

United States Department of Commerce
National Institute of Standards and Technology



Certificate of Accreditation to ISO/IEC 17025:2005

NVLAP LAB CODE: 101424-0

TRC Environmental Corporation
Windsor, CT

*is accredited by the National Voluntary Laboratory Accreditation Program for specific services,
listed on the Scope of Accreditation, for:*

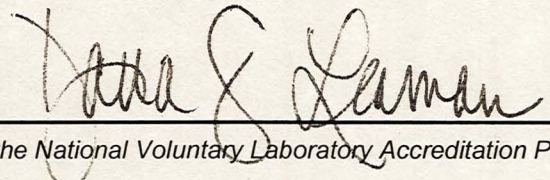
Asbestos Fiber Analysis

*This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005.
This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality
management system (refer to joint ISO-ILAC-IAF Communique dated January 2009).*

2017-07-01 through 2018-06-30

Effective Dates




For the National Voluntary Laboratory Accreditation Program

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

TRC Environmental Corporation

21 Griffin Road North

Windsor, CT 06095

Ms. Kathleen Williamson

Phone: 860-298-6392 Fax: 860-298-6214

Email: kwilliamson@trcsolutions.com

<http://www.trcsolutions.com>

ASBESTOS FIBER ANALYSIS

NVLAP LAB CODE 101424-0

Bulk Asbestos Analysis

Code

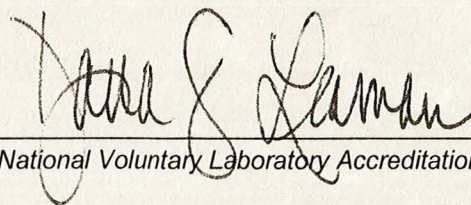
18/A01

Description

EPA -- Appendix E to Subpart E of Part 763 -- Interim Method of the Determination of Asbestos in Bulk Insulation Samples

18/A03

EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials



For the National Voluntary Laboratory Accreditation Program

United States Department of Commerce
National Institute of Standards and Technology



Certificate of Accreditation to ISO/IEC 17025:2005

NVLAP LAB CODE: 101424-0

TRC Environmental Corporation
Windsor, CT

*is accredited by the National Voluntary Laboratory Accreditation Program for specific services,
listed on the Scope of Accreditation, for:*

Asbestos Fiber Analysis

*This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005.
This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality
management system (refer to joint ISO-ILAC-IAF Communiqué dated January 2009).*

2018-07-01 through 2019-06-30

Effective Dates



A handwritten signature in black ink, reading "Dana S. Laman". The signature is fluid and cursive. Below the signature is a horizontal line.

For the National Voluntary Laboratory Accreditation Program

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

TRC Environmental Corporation

21 Griffin Road North

Windsor, CT 06095

Ms. Kathleen Williamson

Phone: 860-298-6392 Fax: 860-298-6214

Email: kwilliamson@trcsolutions.com

<http://www.trcsolutions.com>

ASBESTOS FIBER ANALYSIS

NVLAP LAB CODE 101424-0

Bulk Asbestos Analysis

Code

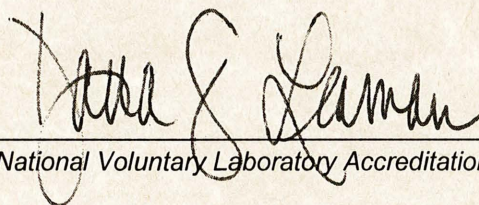
Description

18/A01

EPA -- 40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples

18/A03

EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials



For the National Voluntary Laboratory Accreditation Program

State of Connecticut, Department of Public Health

Approved Environmental Laboratory

THIS IS TO CERTIFY THAT THE LABORATORY DESCRIBED BELOW HAS BEEN APPROVED BY THE STATE DEPARTMENT OF PUBLIC HEALTH PURSUANT TO APPLICABLE PROVISIONS OF THE PUBLIC HEALTH CODE AND GENERAL STATUTES OF CONNECTICUT, FOR MAKING THE EXAMINATIONS, DETERMINATIONS OR TESTS SPECIFIED BELOW WHICH HAVE BEEN AUTHORIZED IN WRITING BY THAT DEPARTMENT.

CON-TEST ANALYTICAL LABORATORY

LOCATED AT 39 SPRUCE STREET IN EAST LONGMEADOW, MA 01028

AND REGISTERED IN THE NAME OF Thomas Veratti, Jr.

THIS CERTIFICATE IS ISSUED IN THE NAME OF TOD KOPYSCINSKI (CHEMISTRY)
KATHERINE ALLEN (MICROBIOLOGY) WHO HAS BEEN DESIGNATED
BY THE REGISTERED OWNER/AUTHORIZED AGENT TO BE IN CHARGE OF THE LABORATORY WORK COVERED BY THIS CERTIFICATE OF
APPROVAL AS FOLLOWS:

DRINKING WATER, NON-POTABLE WATER/ WASTEWATER,
SOLID WASTE\SOIL

Examination For:
BACTERIA
INORGANIC CHEMICALS
ORGANIC CHEMICALS

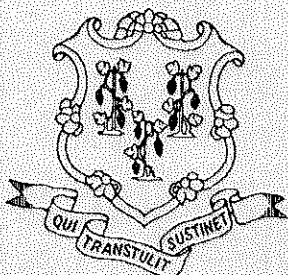
SEE COMPUTER PRINT-OUT FOR SPECIFIC TESTS APPROVED

ENVIRONMENTAL HEALTH & HOUSING

Examination For:
LEAD in PAINT
LEAD in DUST WIPES
LEAD in SOIL

THIS CERTIFICATE EXPIRES SEPTEMBER 30, 2019 AND IS REVOCABLE FOR CAUSE BY THE STATE DEPARTMENT OF PUBLIC HEALTH

DATED AT HARTFORD, CONNECTICUT, THIS 19th DAY OF SEPTEMBER 2017



Registration No.

PH-0567

SUZANNE BLANCAFLOR, MS
CHIEF, ENVIRONMENTAL HEALTH SECTION



STATE OF CONNECTICUT

DEPARTMENT OF PUBLIC HEALTH ENVIRONMENTAL HEALTH SECTION



ENVIRONMENTAL LABORATORY CERTIFICATION PROGRAM CERTIFIED ANALYTES REPORT FOR ALL MATRICES

Con-Test Analytical Laboratory

39 SPRUCE STREET
EAST LONGMEADOW, MA 01028

CT REGISTRATION NUMBER : PH-0567

REGISTERED OWNER / AUTHORIZED AGENT : Thomas Veratti, Jr.

DIRECTOR : Tod Kopyscinski (Chemistry)

CO DIRECTOR(S) : Katherine Allen (Microbiology)

PHONE : (413) 525-2332

LABORATORY REGISTRATION EFFECTIVE DATE : 10/01/2017

LABORATORY REGISTRATION EXPIRATION DATE : 09/30/2019

LABORATORY STATUS : APPROVED

APPROVED BY

SUZANNE BLANCAFLOR, MS, MPH
CHIEF, ENVIRONMENTAL HEALTH SECTION

REVIEWED BY

PHILIP SCHLOSSBERG

9/20/2017 11:48:53 AM

ANY QUESTIONS CONCERNING THIS DOCUMENT SHOULD BE ADDRESSED TO THE
ENVIRONMENTAL LABORATORY CERTIFICATION PROGRAM AT (860) 509-7389

DRINKING WATER (SDWA)

STATUS REPORTED ON 9/20/2017

ANALYTE NAME

MICROBIOLOGY/BACTERIA

E. COLI - COLISURE (SM9223 P/A)	ENTEROCOCCUS - ENTEROLERT
TOT COLIFORM - COLISURE (SM9223)	

PHYSICALS

COLOR	
ODOR	pH
TURBIDITY	

MINERALS

ALKALINITY	
CHLORIDE	CHLORINE, FREE RESIDUAL
FLUORIDE	HARDNESS, CALCIUM
SULFATE	

NUTRIENTS

NITRATE	NITRITE
O-PHOSPHATE	

METALS

ALUMINUM	ANTIMONY
ARSENIC	BARIUM
BERYLLIUM	BORON
CADMIUM	CALCIUM
CHROMIUM	COPPER
IRON	LEAD
MAGNESIUM	MANGANESE
MERCURY	MOLYBDENUM
NICKEL	POTASSIUM
SELENIUM	SILVER
SODIUM	THALLIUM
VANADIUM	ZINC

RESIDUE

TOTAL DISSOLVED SOLIDS

DEMANDS

TOTAL ORGANIC CARBON

MISCELLANEOUS

CYANIDE (TOTAL)

INORGANIC DISINFECTION BY-PRODUCTS

BROMIDE

VOLATILE ORGANICS

1,2-DIBROMO-3-CHLOROPROPANE 504.1 (DBCP) (SOC) ETHYLENE DIBROMIDE 504.1 (EDB) (SOC)

TOTAL TRIHALOMETHANES 524.2 (SOC) VINYL CHLORIDE - 524.2

VOLATILE ORGANICS - 524.2 (SOCs)

NON-POTABLE WATER/ WASTEWATER (CWA)

STATUS REPORTED ON 9/20/2017

ANALYTE NAME

MICROBIOLOGY/BACTERIA

FECAL COLIFORM - MF m-FC (SM9222D)

PHYSICALS

COLOR

CONDUCTIVITY

pH

MINERALS

ALKALINITY

CHLORIDE

CHLORINE, TOTAL RESIDUAL

FLUORIDE

HARDNESS, CALCIUM

HARDNESS, TOTAL

SULFATE

SULFIDE

NUTRIENTS

AMMONIA

KJELDAHL NITROGEN

NITRATE

NITRITE

O-PHOSPHATE

TOTAL PHOSPHOROUS

METALS

ALUMINUM

ANTIMONY

ARSENIC

BARIUM

BERYLLIUM

BORON

CADMIUM

CALCIUM

CHROMIUM

CHROMIUM - Hexavalent

COBALT

COPPER

IRON

LEAD

MAGNESIUM

MANGANESE

MERCURY

MOLYBDENUM

NICKEL

POTASSIUM

SELENIUM

SILVER

SODIUM

THALLIUM

TIN

TITANIUM

VANADIUM

ZINC

RESIDUE

TOTAL DISSOLVED SOLIDS

TOTAL RESIDUE (SOLIDS)

TOTAL SUSPENDED SOLIDS

DEMANDS

BOD

CARBONACEOUS BOD

COD

TOTAL ORGANIC CARBON

MISCELLANEOUS

CYANIDE (TOTAL)

FOAMING AGENTS (MBAS)

PHENOLICS

DISINFECTANT RESIDUALS

TOTAL CHLORINE

INORGANIC DISINFECTION BY-PRODUCTS

BROMIDE

PESTICIDES/ PCB'S

CHLORDANE (TECHNICAL)

ORGANOCHLORINE PESTICIDES (Single
Response)

PCB IN OIL

POLYCHLORINATED BIPHENYLS

TOXAPHENE

SOLVENTS

CT Extractable Petroleum Hydrocarbons (ETPH)

MA Extractable Petroleum Hydrocarbons (EPH)

MA Volatile Petroleum Hydrocarbons (VPH)

OIL & GREASE

HERBICIDES

2,4,5-T

2,4,5-TP (SILVEX)

2,4-D

2,4-DB

DALAPON

DICAMBA

DICHLOROPROP

DINOSEB

HERBICIDES (ALL)

ORGANICS

ACID EXTRACTABLES (PHENOLS)

BENZIDINES

CHLORINATED HYDROCARBONS

HALOETHERS

NITROAROMATICS & ISOPHORONE

NITROSAMINES

PHTHALATE ESTERS

POLYNUCLEAR AROMATIC HYDROCARBONS

VOLATILE ORGANICS

SOLID WASTE/SOIL (RCRA)

STATUS REPORTED ON 9/20/2017

ANALYTE NAME

METALS

ALUMINUM	
ANTIMONY	ARSENIC
BARIUM	BERYLLIUM
BORON	CADMIUM
CALCIUM	CHROMIUM
CHROMIUM - Hexavalent	COBALT
COPPER	IRON
LEAD	MAGNESIUM
MANGANESE	MERCURY
MOLYBDENUM	NICKEL
POTASSIUM	SELENIUM
SILVER	SODIUM
THALLIUM	TIN
VANADIUM	ZINC

DEMANDS

TOTAL ORGANIC CARBON

MISCELLANEOUS

CYANIDE (TOTAL)	IGNITABILITY
TCLP LEACH (1311)	

PESTICIDES/ PCB'S

CHLORDANE (TECHNICAL)	
ORGANOCHLORINE PESTICIDES (Single Response)	PCB IN OIL
POLYCHLORINATED BIPHENYLS	TOXAPHENE

SOLVENTS

CT Extractable Petroleum Hydrocarbons (ETPH)	
MA Extractable Petroleum Hydrocarbons (EPH)	MA Volatile Petroleum Hydrocarbons (VPH)

HERBICIDES

2,4,5-T	2,4,5-TP (SILVEX)
2,4,5-TP (SILVEX) (SOC)	2,4-DB
DALAPON	DICAMBA
DICHLOROPROP	DINOSEB
HERBICIDES (ALL)	MCPA
MCP	

RCRA (SW-846) ORGANICS

ACID EXTRACTABLES (PHENOLS) (SW 8270)	BENZIDINES (SW 8270)
CHLORINATED HYDROCARBONS (SW 8270)	HALOETHERS (SW 8270)
NITROAROMATICS & CYCLIC KETONES (SW 8270)	NITROSOAMINES (SW 8270)
PAH's (SW 8270)	PHTHALATES (SW 8270)
VOLATILE ORGANICS (SW 8260)	

ENVIRONMENTAL HEALTH & HOUSING

LEAD (PAINT) IN SOIL

LEAD IN DUST WIPES

LEAD IN PAINT

Report Profile: Lab Name : Con-Test Analytical Laboratory
Test Name : *
Matrix Name : *
Matrix Selection = ALL OR SOME MATRICES SELECTED
Certifications approved or provisional on 9/20/2017

THIS IS THE LAST PAGE OF THE REPORT

APPENDIX B
INSPECTOR ACCREDITATIONS

STATE OF CONNECTICUT
DEPARTMENT OF PUBLIC HEALTH

PURSUANT TO THE PROVISIONS OF THE GENERAL STATUTES OF CONNECTICUT

THE INDIVIDUAL NAMED BELOW IS CERTIFIED
BY THIS DEPARTMENT AS A
ASBESTOS CONSULTANT-INSPECTOR

MARK S. KEARNEY

CERTIFICATE NO.

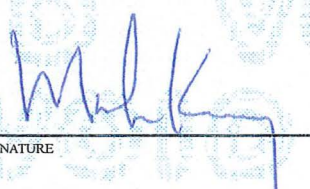
000147

CURRENT THROUGH

04/30/18

VALIDATION NO.

03-594078


SIGNATURE


COMMISSIONER

STATE OF CONNECTICUT
DEPARTMENT OF PUBLIC HEALTH

PURSUANT TO THE PROVISIONS OF THE GENERAL STATUTES OF CONNECTICUT

THE INDIVIDUAL NAMED BELOW IS CERTIFIED
BY THIS DEPARTMENT AS A
ASBESTOS CONSULTANT-INSPECTOR

MARK S. KEARNEY

CERTIFICATE NO.
000147

CURRENT THROUGH
04/30/19

VALIDATION NO.
03-675706


SIGNATURE


COMMISSIONER



Certificate of Training

Awarded to

MARK KEARNEY

*For successful completion of a 4 Hour, 1/2 Day
Asbestos Building Inspector
Annual Refresher Training
APRIL 5, 2018*

This training was approved and given in accordance with the
Regulations for Connecticut State Agencies
RCSA 20 - 440 - 1-9 and RCSA 20 - 441 and meets the
requirements of the EPA Revised MAP under TSCA Title II of 4/4/94.

Presented by

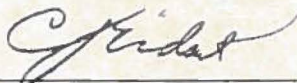
**Mystic Air Quality Consultants, Inc.
1204 North Road, Groton, CT 06340 (800) 247-7746**

Certificate Number: ABIRF26677

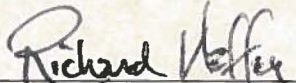
Exam Grade: 90

Expiration Date: 04/05/2019

Exam Date: 04/05/2018



Christopher J. Eident, CIH, CSP, RS



George Williamson, Training Director

Richard Haffey, Training Director



CERTIFICATE OF ACHIEVEMENT

This certifies that

Gregory Kaczynski

has successfully completed the
Asbestos Site Inspector Refresher Training
Asbestos Accreditation Under TSCA Title II
40 CFR Part 763

conducted by

ATC Group Services LLC
73 William Franks Drive
West Springfield, MA 01089
(413) 781-0070

Gregory Morsch

Principal Instructor: Gregory Morsch

October 12, 2017

Date of Course

October 12, 2018

Expiration Date

Gregory Morsch

Regional Training Manager: Gregory Morsch

SIAR - 5859

Certificate Number

October 12, 2017

Examination Date

100146001 AB 0.400 **AUTO T4 0 1264 06095-151221 C01-P01463 I



GREGORY A KACZYNSKI
21 GRIFFIN RD N
TRC ENVIRONMENTAL CORP.
WINDSOR CT 06095-1512

Dear GREGORY A KACZYNSKI,

Attached you will find your validated certificate for the coming year. Should you have any questions about your certificate renewal, please do not hesitate to write or call:

Department of Public Health
P.O. Box 340308
M.S.#12MQA
Hartford, CT 06134-0308

(860) 509-7603
oplc.dph@ct.gov
www.ct.gov/dph/license

Sincerely,

RAUL PINO, MD, MPH, COMMISSIONER
DEPARTMENT OF PUBLIC HEALTH

EMPLOYER'S COPY

STATE OF CONNECTICUT
DEPARTMENT OF PUBLIC HEALTH

NAME

GREGORY A KACZYNSKI

VALIDATION NO.
03-615243

CERTIFICATE NO.
000329

CURRENT THROUGH
07/31/18

PROFESSION

ASBESTOS CONSULTANT-INSP/MGMT PLANNER

SIGNATURE
COMMISSIONER

STATE OF CONNECTICUT
DEPARTMENT OF PUBLIC HEALTH

PURSUANT TO THE PROVISIONS OF THE GENERAL STATUTES OF CONNECTICUT

THE INDIVIDUAL NAMED BELOW IS CERTIFIED
BY THIS DEPARTMENT AS A

ASBESTOS CONSULTANT-INSP/MGMT PLANNER

GREGORY A KACZYNSKI

CERTIFICATE NO.
000329

CURRENT THROUGH
07/31/18

VALIDATION NO.
03-615243

SIGNATURE
COMMISSIONER

INSTRUCTIONS:

1. Detach and sign each of the cards on this form
2. Display the large card in a prominent place in your office or place of business.
3. The wallet card is for you to carry on your person. If you do not wish to carry the wallet card, place it in a secure place.
4. The employer's copy is for persons who must demonstrate current licensure/certification in order to retain employment or privileges. The employer's card is to be presented to the employer and kept by them as a part of your personnel file. Only one copy of this card can be supplied to you.

1001013 01 AB 0.400 **AUTO T3 0 1774 06095-15122 I -C01-P01016-I



GREGORY A. KACZYNSKI
21 GRIFFIN RD N
TRC ENVIRONMENTAL CORP.
WINDSOR CT 06095-1512

Dear GREGORY A. KACZYNSKI,

Attached you will find your validated certificate for the coming year. Should you have any questions about your certificate renewal, please do not hesitate to write or call:

Department of Public Health
P.O. Box 340308
M.S.#12MQA
Hartford, CT 06134-0308

(860) 509-7603
opl.c.dph@ct.gov
www.ct.gov/dph/license

Sincerely,

RAUL PINO, MD, MPH, COMMISSIONER
DEPARTMENT OF PUBLIC HEALTH

EMPLOYER'S COPY		
STATE OF CONNECTICUT DEPARTMENT OF PUBLIC HEALTH		
NAME		
GREGORY A. KACZYNSKI		
VALIDATION NO.	CERTIFICATE NO.	CURRENT THROUGH
03-628867	002158	07/31/18
PROFESSION		
LEAD INSPECTOR RISK ASSESSOR		
 SIGNATURE	 COMMISSIONER	

STATE OF CONNECTICUT
DEPARTMENT OF PUBLIC HEALTH

PURSUANT TO THE PROVISIONS OF THE GENERAL STATUTES OF CONNECTICUT

THE INDIVIDUAL NAMED BELOW IS CERTIFIED
BY THIS DEPARTMENT AS A
LEAD INSPECTOR RISK ASSESSOR

GREGORY A. KACZYNSKI

CERTIFICATE NO.
002158

CURRENT THROUGH
07/31/18

VALIDATION NO.
03-628867

SIGNATURE
COMMISSIONER

INSTRUCTIONS:

1. Detach and sign each of the cards on this form
2. Display the large card in a prominent place in your office or place of business.
3. The wallet card is for you to carry on your person. If you do not wish to carry the wallet card, place it in a secure place.
4. The employer's copy is for persons who must demonstrate current licensure/certification in order to retain employment or privileges. The employer's card is to be presented to the employer and kept by them as a part of your personnel file. Only one copy of this card can be supplied to you.

CERTIFICATE OF ACHIEVEMENT

This certifies that

Greg Kaczynski

21 Lake Drive, Harwinton, CT 06771

has successfully completed the
EPA Model Lead Risk Assessor Refresher Training
745.225 (c) (8) (i)

conducted by
ATC Group Services LLC
73 William Franks Drive
West Springfield, MA 01089
(413) 781-0070



Edward Kolodziej

Principal Instructor: Edward Kolodziej

August 4, 2017

Date of Course

August 4, 2017

Exam Date

Gregory Morsch

Regional Training Director: Gregory Morsch

ELIRAR-733

Certificate Number

CERTIFICATE OF ACHIEVEMENT

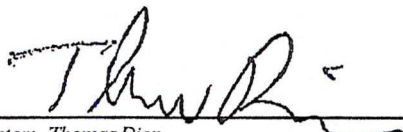
This certifies that

Carmen Jacko

has successfully completed the
**Asbestos Site Inspector Refresher Training
Asbestos Accreditation Under TSCA Title II
40 CFR Part 763**

conducted by

*ATC Group Services LLC
73 William Franks Drive
West Springfield, MA 01089
(413) 781-0070*

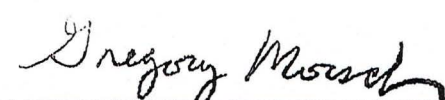

Principal Instructor: Thomas Dion

April 13, 2017

Date of Course

April 13, 2018

Expiration Date


Regional Training Manager: Gregory Morsch

SIAR - 5720

Certificate Number

April 13, 2017

Examination Date

1003136 01 AB 0.400 **AUTO T7 0 1464 06704-304039 -C01-P03141-I



CARMEN J JACKO
139 PLATT ST
WATERBURY CT 06704-3040



Dear CARMEN J JACKO,

Attached you will find your validated certificate for the coming year. Should you have any questions about your certificate renewal, please do not hesitate to write or call:

Department of Public Health
P.O. Box 340308
M.S.#12MQA
Hartford, CT 06134-0308

(860) 509-7603
oplc.dph@ct.gov
www.ct.gov/dph/license

Sincerely,

RAUL PINO, MD, MPH, COMMISSIONER
DEPARTMENT OF PUBLIC HEALTH

EMPLOYER'S COPY		
STATE OF CONNECTICUT DEPARTMENT OF PUBLIC HEALTH		
NAME		
CARMEN J JACKO		
VALIDATION NO.	CERTIFICATE NO.	CURRENT THROUGH
03-633521	000812	09/30/18
PROFESSION		
ASBESTOS CONSULTANT-INSPECTOR		
SIGNATURE		 COMMISSIONER

STATE OF CONNECTICUT
DEPARTMENT OF PUBLIC HEALTH

PURSUANT TO THE PROVISIONS OF THE GENERAL STATUTES OF CONNECTICUT

THE INDIVIDUAL NAMED BELOW IS CERTIFIED
BY THIS DEPARTMENT AS A
ASBESTOS CONSULTANT-INSPECTOR

CARMEN J JACKO

CERTIFICATE NO.
000812
CURRENT THROUGH
09/30/18
VALIDATION NO.
03-633521

SIGNATURE

COMMISSIONER

INSTRUCTIONS:

1. Detach and sign each of the cards on this form.
2. Display the large card in a prominent place in your office or place of business.
3. The wallet card is for you to carry on your person. If you do not wish to carry the wallet card, place it in a secure place.
4. The employer's copy is for persons who must demonstrate current licensure/certification in order to retain employment or privileges. The employer's card is to be presented to the employer and kept by them as a part of your personnel file. Only one copy of this card can be supplied to you.

WALLET CARD		
STATE OF CONNECTICUT DEPARTMENT OF PUBLIC HEALTH		
NAME		
CARMEN J JACKO		
VALIDATION NO.	CERTIFICATE NO.	CURRENT THROUGH
03-633521	000812	09/30/18
PROFESSION		
ASBESTOS CONSULTANT-INSPECTOR		
SIGNATURE		 COMMISSIONER

CERTIFICATE OF ACHIEVEMENT

This certifies that

Carmen Jacko

has successfully completed the
**Asbestos Site Inspector Refresher Training
Asbestos Accreditation Under TSCA Title II
40 CFR Part 763**

conducted by

*ATC Group Services LLC
73 William Franks Drive
West Springfield, MA 01089
(413) 781-0070*



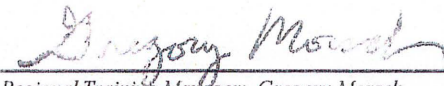
Principal Instructor: Thomas Dion

April 12, 2018

Date of Course

April 12, 2019

Expiration Date



Regional Training Manager: Gregory Morsch

SIAR-6010

Certificate Number

April 12, 2018

Examination Date

STATE OF CONNECTICUT

DEPARTMENT OF PUBLIC HEALTH

PURSUANT TO THE PROVISIONS OF THE GENERAL STATUTES OF CONNECTICUT

THE INDIVIDUAL NAMED BELOW IS CERTIFIED
BY THIS DEPARTMENT AS A
ASBESTOS CONSULTANT-INSPECTOR

DAVID S WEBSTER

CERTIFICATE NO.

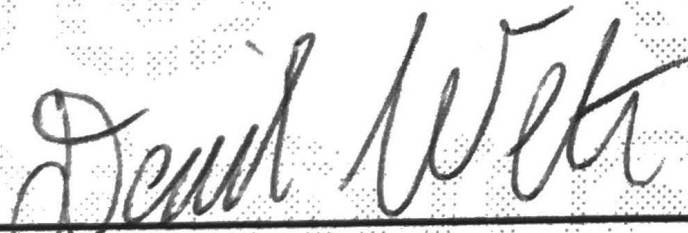
000960

CURRENT THROUGH

10/31/18

VALIDATION NO.

03-634479



SIGNATURE



COMMISSIONER



Certificate of Training

Awarded to

DAVID WEBSTER

For successful completion of a 4 Hour, 1/2 Day
Asbestos Building Inspector
Annual Refresher Training
SEPTEMBER 7, 2017

This training was approved and given in accordance with the
Regulations for Connecticut State Agencies
RCSA 20 - 440 - 1-9 and RCSA 20 - 441 and meets the
requirements of the EPA Revised MAP under TSCA Title II of 4/4/94.

Presented by

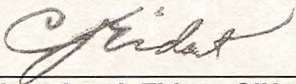
Mystic Air Quality Consultants, Inc.
1204 North Road, Groton, CT 06340 (800) 247-7746

Certificate Number: ABIRF26141

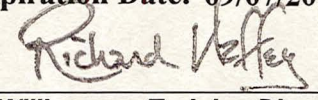
Exam Grade: 100

Expiration Date: 09/07/2018

Exam Date: 09/07/2017



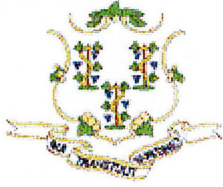
Christopher J. Eident, CIH, CSP, RS



George Williamson, Training Director

Richard Haffey, Training Director





State of Connecticut

Lookup Detail View

Name

Name
ZACHARY W SMITH

License Information

lookup

License Type	License Number	Expiration Date	Granted Date	License Name	License Status		Licensure Actions or Pending Charges
Asbestos Consultant-Inspector	985	02/28/2019	09/11/2017	ZACHARY W SMITH	ACTIVE	CURRENT	None

Generated on: 8/13/2018 2:41:08 PM



This is to certify that
Zachary W Smith

has completed the requisite training, and has passed an examination for accreditation
as:

Asbestos Inspector

pursuant to Title II of the Toxic Substance Control Act, 15 U.S.C. 2646

Course Location

Institute for Environmental Education, Inc.
16 Upton Drive Wilmington, MA 01887

June 19-21, 2017

Course Dates

17-0302-102-401150

Certificate Number

June 21, 2017

Examination Date

June 21, 2018

Expiration Date

Training Director

16 Upton Drive, Wilmington, MA 01887

Telephone 978.658.5272

www.ieetrains.com

INSTITUTE FOR ENVIRONMENTAL EDUCATION

APPENDIX C
ASBESTOS BULK SAMPLE
ANALYSIS DATA & CHAIN OF CUSTODY FORMS



BULK ASBESTOS ANALYSIS REPORT

CLIENT: UIL Holdings Corporation

Lab Log #: 0052451
Project #: 263951.0014.0002
Date Received: 06/27/2018
Date Analyzed: 06/27/2018

Site: English Station, Boiler 1-12, 458 Grand Avenue, New Haven, CT

POLARIZED LIGHT MICROSCOPY by EPA 600/R-93/116

Sample No.	Color	Homogenous	Multi-Layered	Layer No.	Other Matrix Materials	Asbestos %	Asbestos Type
1	Dark Grey (caulk)	Yes	No	--	---	ND	None
2	Dark Grey (caulk)	Yes	No	--	---	ND	None
3	Light Grey (glaze)	Yes	No	--	---	ND	None
4	Light Grey (glaze)	Yes	No	--	---	ND	None
5	Dark Grey (glaze)	Yes	No	--	---	ND	None
6	Dark Grey (glaze)	Yes	No	--	---	ND	None
7	Dark Grey (glaze)	Yes	No	--	---	ND	None
8	Dark Grey (glaze)	Yes	No	--	---	ND	None
9	Beige (glaze)	Yes	No	--	---	ND	None
10	Tan/Cream (glaze)	Yes	No	--	---	ND	None
11	Tan/Cream (glaze)	Yes	No	--	---	ND	None
12	Tan (glaze)	Yes	No	--	---	ND	None
13	Tan (glaze)	Yes	No	--	---	ND	None

TRC LABORATORY ASBESTOS ANALYTICAL ACCREDITATIONS

NVLAP Lab Code 101424-0	AHHA-LAP,LLC #100122	CT #PH-0426	ME LA-0075, LB-0071	MA #AA000052	NY #10980	WV#LT000411
RI #AAL-007	TX #300354	VT #AL014538	LA#05011	VA #3333 000283	AZ #A20944	HI #L-09-004
CO# AL-15020	PHIL# 461	PA#68-03387			NJ #CT004	CA #2907



POLARIZED LIGHT MICROSCOPY by EPA 600/R-93/116

Sample No.	Color	Homogenous	Multi-Layered	Layer No.	Other Matrix Materials	Asbestos %	Asbestos Type
------------	-------	------------	---------------	-----------	------------------------	------------	---------------

Reporting limit- asbestos present at 1%

ND - asbestos was not detected

Trace - asbestos was observed at level of less than 1%

NA/PS - Not Analyzed / Positive Stop

SNA- Sample Not Analyzed- See Chain of Custody for details

Note: Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. In those cases, EPA recommends, and certain states (e.g. NY) require, that negative results be confirmed by quantitative transmission electron microscopy.

The Laboratory at TRC follows the EPA's Interim Method for the Determination of Asbestos in Bulk Insulation 1982 (EPA 600/M4-82-020) Bulk Analysis Code 18/A01 and the EPA recommended Method for the Determination of Asbestos in Bulk Building Materials July 1993, R.L. Perkins and B.W. Harvey, (EPA/600/R-93/116) Bulk Analysis Code 18/A03, which utilize polarized light microscopy (PLM). Our analysts have completed an accredited course in asbestos identification. TRC's Laboratory is accredited under the National Voluntary Laboratory Accreditation Program (NVLAP), for Bulk Asbestos Fiber Analysis, NVLAP Code 18/A01, effective through June 30, 2018. TRC is accredited by the AIHA Laboratory Accreditation Programs (AIHA-LAP), LLC in the Industrial Hygiene Program (IHLAP) for PLM effective through October 1, 2018. Asbestos content is determined by visual estimate unless otherwise indicated. Quality Control is performed in-house on at least 10% of samples and QC data related to the samples is available upon written request from client.

This report shall not be reproduced, except in full, without the written approval of TRC. This report must not be used by the client to claim product endorsement by NVLAP or any agency of the U.S. Government. This report relates only to the items tested.

Analyzed by: K. Williamson
Kathleen Williamson, Laboratory Manager

Reviewed by: Cathryn Lemire
Cathryn Lemire, Approved Signatory

Date Issued
06/28/2018

TRC LABORATORY ASBESTOS ANALYTICAL ACCREDITATIONS

NVLAP Lab Code 101424-0	AIHA-LAP,LLC #100122	CT #PH-0426	ME LA-0075, LB-0071	MA #AA000052	NY #10980	WV# LT000411
RI #AAL-007 TX #300354	VT #AL014538 LA#05011	VA #3333 000283	AZ #A20944	HI #L-09-004	NJ #CT004	CA #2907
CO# AL-15020	PHIL# 461	PA#68-03387				



21 GRIFFIN ROAD NORTH
WINDSOR, CONNECTICUT 06095
TELEPHONE (860) 298-9692
FAX (860) 298-6380

ASBESTOS BULK SAMPLING CHAIN OF CUSTODY

Edition: October 2009
Supersede Previous Edition

LAB ID #. 52451

PROJECT NUMBER		PROJECT NAME		PARAMETERS		TURNAROUND TIME					
263951.0014.0002		United illuminating English station - Boiler 1-12 interior, 458 Grand Ave, New Haven, CT				PLM:	8hr	24hr	X	48hr	3day
						TEM:	24hr	48hr	3day	5day	
SIGNATURE		INSPECTOR		MATERIAL							
		Greg Kaczynski									
FIELD SAMPLE NUMBER	DATE	TIME	TYPE		SAMPLE LOCATION	PLM EPA 600/R93/116 (POSITIVE STOP)	PLM EPA 600/R93/116 (w/ gravimetric reduction) (POSITIVE STOP)	ANALYZE BY LAYER	POINT COUNT (IF >1% & <10%)	TEM NY NOB 198.4 (IF PLM SERIES NEG)	
			COMP	GRAB							
1	6/26/18	14:26		X	Second floor – West mezzanine	X					C1 – Caulk at seam of tanks
2	6/26/18	14:27		X	Second floor – West mezzanine	X					C1 – Caulk at seam of tanks
3	6/26/18	13:55		X	SW hall	X					DWG1 – Light gray hard door window glaze
4	6/26/18	13:55		X	SW hall	X					DWG1 – Light gray hard door window glaze
5	6/26/18	13:58		X	First floor – storage room	X					WG1 – Hard glaze and interior window
6	6/26/18	13:59		X	First floor – storage room	X					WG1 – Hard glaze and interior window
7	6/26/18	13:53		X	First floor – BF pump area center area	X					WG2 – Window glaze on interior metal frame windows
8	6/26/18	13:54		X	First floor – BF pump area center area	X					WG2 – Window glaze on interior metal frame windows
9	6/26/18	14:28		X	Second floor – restroom	X					WG3 – Interior glazing on interior metal frame windows (Note: One sample previously taken by GEI)

Relinquished by: (Signature) 	Date: 6/27/18	Received by: (Signature) 6/27/18	Relinquished by: (Signature)	Date:	Received by: (Signature)
(Printed) Greg Kaczynski	Time: 1130	(Printed) 1130 	(Printed)	Time:	(Printed)
Remarks:			Condition of Samples: Acceptable: Yes ☒ No ☐ Comments:		Page 1 of 2



21 GRIFFIN ROAD NORTH
WINDSOR, CONNECTICUT 06095
TELEPHONE (860) 298-9692
FAX (860) 298-6380

ASBESTOS BULK SAMPLING CHAIN OF CUSTODY

Edition: October 2009
Supersede Previous Edition

LAB ID #. 52451

PROJECT NUMBER		PROJECT NAME		PARAMETERS		TURNAROUND TIME					
263951.0014.0002		United illuminating English station - Boiler 1-12 interior, 458 Grand Ave, New Haven, CT				PLM:	8hr	24hr	X	48hr	3day
						TEM:	24hr	48hr	3day	5day	
SIGNATURE		INSPECTOR				MATERIAL					
		Greg Kaczynski									
FIELD SAMPLE NUMBER	DATE	TIME	TYPE	SAMPLE LOCATION	PLM EPA 600/R93/116 (POSITIVE STOP)	PLM EPA 600/R93/116 (w/ gravimetric reduction) (POSITIVE STOP)	ANALYZE BY LAYER	POINT COUNT (IF >1% & <10%)	TEM NY NOB 198.4 (IF PLM SERIES NEG)		
	COMP	GRAB									
10	6/26/18	13:51		X	First floor – BF pump area north end	X					WG5 – Tan/cream Window glaze on interior metal window
11	6/26/18	13:52		X	First floor – BF pump area north end	X					WG5 – Tan/cream Window glaze on interior metal window
12	6/26/18	14:44		X	Coal conveyor level – North	X					WG6 – Hard tan window glaze on interior window
13	6/26/18	14:44		X	Coal conveyor level – north	X					WG6 – Hard tan window glaze on interior window

Relinquished by: (Signature)	Date:	Received by: (Signature)	Relinquished by: (Signature)	Date:	Received by: (Signature)
	6/27/18				
(Printed)	Time:	(Printed)	(Printed)	Time:	(Printed)
Greg Kaczynski	1130	1130			
Remarks:			Condition of Samples: Acceptable: Yes ☒ No ☐ Comments:		Page 2 of 2



BULK ASBESTOS ANALYSIS REPORT

CLIENT: UIL Holdings Corporation

Lab Log #: 0052573
Project #: 263951.0018.0001
Date Received: 07/30/2018
Date Analyzed: 07/30/2018

Site: English Station, New Haven, CT

POLARIZED LIGHT MICROSCOPY by EPA 600/R-93/116

Sample No.	Color	Homogenous	Multi-Layered	Layer No.	Other Matrix Materials	Asbestos %	Asbestos Type
01	Red (terracotta block)	Yes	No	--	---	ND	None
02	Red (terracotta block)	Yes	No	--	---	ND	None
03	Red (terracotta block)	Yes	No	--	---	ND	None

Reporting limit- asbestos present at 1%

ND - asbestos was not detected

Trace - asbestos was observed at level of less than 1%

NA/PS - Not Analyzed / Positive Stop

SNA- Sample Not Analyzed- See Chain of Custody for details

Note: Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. In those cases, EPA recommends, and certain states (e.g. NY) require, that negative results be confirmed by quantitative transmission electron microscopy.

The Laboratory at TRC follows the EPA's Interim Method for the Determination of Asbestos in Bulk Insulation 1982 (EPA 600/M4-82-020) Bulk Analysis Code 18/A01 and the EPA recommended Method for the Determination of Asbestos in Bulk Building Materials July 1993, R.L. Perkins and B.W. Harvey, (EPA/600/R-93/116) Bulk Analysis Code 18/A03, which utilize polarized light microscopy (PLM). Our analysts have completed an accredited course in asbestos identification. TRC's Laboratory is accredited under the National Voluntary Laboratory Accreditation Program (NVLAP), for Bulk Asbestos Fiber Analysis, NVLAP Code 18/A01, effective through June 30, 2018. TRC is accredited by the AIHA Laboratory Accreditation Programs (AIHA-LAP), LLC in the Industrial Hygiene Program (IHLAP) for PLM effective through October 1, 2018. Asbestos content is determined by visual estimate unless otherwise indicated. Quality Control is performed in-house on at least 10% of samples and QC data related to the samples is available upon written request from client.

This report shall not be reproduced, except in full, without the written approval of TRC. This report must not be used by the client to claim product endorsement by NVLAP or any agency of the U.S. Government. This report relates only to the items tested.

Analyzed by:

Kathleen Williamson, Laboratory Manager

Reviewed by:

Cathryn Lemire, Approved Signatory

Date Issued

07/30/2018

TRC LABORATORY ASBESTOS ANALYTICAL ACCREDITATIONS

NVLAP Lab Code 101424-0
RI #AAL-007 TX #300354
CO# AL-15020

AIHA-LAP, LLC #100122 CT #PH-0426
VT #AL014538 LA#05011 VA #3333 000283
PHIL# 461 PA#68-03387

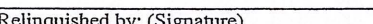
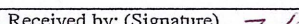
ME LA-0075, LB-0071 MA #AA000052 NY #10980 WV# LT000411
AZ #A20944 HI #L-09-004 NJ #CT004 CA #2907

**21 GRIFFIN ROAD NORTH
WINDSOR, CONNECTICUT 06095
TELEPHONE (860) 298-9692
FAX (860) 298-6380**

ASBESTOS BULK SAMPLING CHAIN OF CUSTODY

LAB ID #. 52573

[illegible]

Relinquished by: (Signature) 	Date: 7/30/18	Received by: (Signature) 7/30/18 	Relinquished by: (Signature)	Date:	Received by: (Signature)
(Printed) Gary Kaczor	Time: 1200	(Printed) 1210 Kees Williams	(Printed)	Time:	(Printed)
Remarks: 			Condition of Samples: Acceptable: Yes ☒ No ☐ Comments:		Page 1 of 7

APPENDIX D
PCB LABORATORY ANALYSIS DATA
& CHAIN OF CUSTODY FORMS

March 5, 2018

Chris Mocciaie
United Illuminating Company
180 Marsh Hill Road
Orange, CT 06477

Project Location: English Station-Boiler 1-12 Area, New Haven, CT
Client Job Number:
Project Number: 263951
Laboratory Work Order Number: 18B1048

Enclosed are results of analyses for samples received by the laboratory on February 26, 2018. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jessica L. Hoffman
Project Manager

Table of Contents

Sample Summary	4
Case Narrative	5
Sample Results	6
18B1048-01	6
18B1048-02	7
18B1048-03	8
18B1048-04	9
18B1048-05	10
18B1048-06	11
18B1048-07	12
18B1048-08	13
18B1048-09	14
18B1048-10	15
18B1048-11	16
18B1048-12	17
18B1048-13	18
18B1048-14	19
18B1048-15	20
18B1048-16	21
18B1048-17	22
18B1048-18	23
18B1048-19	24
18B1048-20	25
18B1048-21	26
18B1048-22	27

Table of Contents (continued)

Sample Preparation Information	28
QC Data	29
Polychlorinated Biphenyls with 3540 Soxhlet Extraction	29
B197750	29
B197751	30
B198085	31
Dual Column RPD Report	32
Flag/Qualifier Summary	55
Certifications	56
Chain of Custody/Sample Receipt	57

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

United Illuminating Company
180 Marsh Hill Road
Orange, CT 06477
ATTN: Chris Moccia

REPORT DATE: 3/5/2018

PURCHASE ORDER NUMBER: 4500446141

PROJECT NUMBER: 263951

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 18B1048

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

PROJECT LOCATION: English Station-Boiler 1-12 Area, New Haven, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
FT1A	18B1048-01	Product/Solid	1st Fl; SW Hall-Office	SW-846 8082A	
FT1B	18B1048-02	Product/Solid	1st Fl; SW Hall-Office	SW-846 8082A	
FTM1A	18B1048-03	Product/Solid	1st Fl; SW Hall-Office	SW-846 8082A	
FTM1B	18B1048-04	Product/Solid	1st Fl; SW Hall-Office	SW-846 8082A	
P1A	18B1048-05	Paint	1st Fl;NW Hall-North	SW-846 8082A	
P1B	18B1048-06	Paint	1st Fl;NW Hall-Center	SW-846 8082A	
P1C	18B1048-07	Paint	1st Fl;NW Hall-South	SW-846 8082A	
P2A	18B1048-08	Paint	1st Fl;NW Hall-North	SW-846 8082A	
P2B	18B1048-09	Paint	1st Fl;NW Hall-Center	SW-846 8082A	
P2C	18B1048-10	Paint	1st Fl;NW Hall-South	SW-846 8082A	
P2D	18B1048-11	Paint	1st Fl;NE Hall-North	SW-846 8082A	
P3A	18B1048-12	Paint	1st Fl;NW Hall-South	SW-846 8082A	
P3B	18B1048-13	Paint	1st Fl;NW Hall-North	SW-846 8082A	
P3C	18B1048-14	Paint	1st Fl;NW Hall-Center	SW-846 8082A	
P5A	18B1048-15	Paint	1st Fl;NW Hall-Center	SW-846 8082A	
P5B	18B1048-16	Paint	1st Fl;NW Hall-South	SW-846 8082A	
P5C	18B1048-17	Paint	1st Fl;NE Hall-South	SW-846 8082A	
P5D	18B1048-18	Paint	1st Fl;Bathroom	SW-846 8082A	
P5E	18B1048-19	Paint	1st Fl;NE Hall-South	SW-846 8082A	
P5F	18B1048-20	Paint	1st Fl;Fan Room	SW-846 8082A	
P6A	18B1048-21	Paint	1st Fl;NW Hall-North	SW-846 8082A	
P7A	18B1048-22	Paint	1st Fl;NW Hall-Center	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.

SW-846 8082A**Qualifications:****P-01**

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

Analyte & Samples(s) Qualified:**Aroclor-1254**

18B1048-05[P1A], 18B1048-06[P1B], 18B1048-07[P1C], 18B1048-09[P2B], 18B1048-15[P5A], 18B1048-18[P5D]

Aroclor-1254 [2C]

18B1048-22[P7A]

Aroclor-1260

18B1048-05[P1A], 18B1048-21[P6A]

P-02

Sample RPD between primary and confirmatory analysis exceeded 40%. Per EPA method 8000, the lower value was reported due to obvious chromatographic interference on the column with the higher result.

Analyte & Samples(s) Qualified:**Aroclor-1254**

18B1048-02[FT1B], 18B1048-03[FTM1A], 18B1048-04[FTM1B]

S-19

Surrogate recovery is outside of control limits, matrix interference suspected. Reanalysis yielded similar surrogate non-conformance.

Analyte & Samples(s) Qualified:**Decachlorobiphenyl**

18B1048-02[FT1B], 18B1048-02RE1[FT1B]

Decachlorobiphenyl [2C]

18B1048-02[FT1B], 18B1048-02RE1[FT1B]

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

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



Lisa A. Worthington
Project Manager

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

Project Location: English Station-Boiler 1-12 Area,

Sample Description: 1st Fl; SW Hall-Office

Work Order: 18B1048

Date Received: 2/26/2018

Field Sample #: FT1A

Sampled: 2/21/2018 12:15

Sample ID: 18B1048-01

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	3/2/18	3/4/18 21:06	KAL
Aroclor-1221 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	3/2/18	3/4/18 21:06	KAL
Aroclor-1232 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	3/2/18	3/4/18 21:06	KAL
Aroclor-1242 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	3/2/18	3/4/18 21:06	KAL
Aroclor-1248 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	3/2/18	3/4/18 21:06	KAL
Aroclor-1254 [2]	1.3	0.50	mg/Kg	5		SW-846 8082A	3/2/18	3/4/18 21:06	KAL
Aroclor-1260 [2]	1.4	0.50	mg/Kg	5		SW-846 8082A	3/2/18	3/4/18 21:06	KAL
Aroclor-1262 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	3/2/18	3/4/18 21:06	KAL
Aroclor-1268 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	3/2/18	3/4/18 21:06	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	130	30-150							
Decachlorobiphenyl [2]	145	30-150							
Tetrachloro-m-xylene [1]	65.1	30-150							
Tetrachloro-m-xylene [2]	65.9	30-150							

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

Project Location: English Station-Boiler 1-12 Area,

Sample Description: 1st Fl; SW Hall-Office

Work Order: 18B1048

Date Received: 2/26/2018

Field Sample #: FT1B

Sampled: 2/21/2018 12:25

Sample ID: 18B1048-02

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	2/27/18	3/2/18 1:08	KAL
Aroclor-1016 [1]	ND	0.35	mg/Kg	5		SW-846 8082A	3/2/18	3/4/18 21:23	KAL
Aroclor-1221 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	2/27/18	3/2/18 1:08	KAL
Aroclor-1221 [1]	ND	0.35	mg/Kg	5		SW-846 8082A	3/2/18	3/4/18 21:23	KAL
Aroclor-1232 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	2/27/18	3/2/18 1:08	KAL
Aroclor-1232 [1]	ND	0.35	mg/Kg	5		SW-846 8082A	3/2/18	3/4/18 21:23	KAL
Aroclor-1242 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	2/27/18	3/2/18 1:08	KAL
Aroclor-1242 [1]	ND	0.35	mg/Kg	5		SW-846 8082A	3/2/18	3/4/18 21:23	KAL
Aroclor-1248 [1]	0.57	0.48	mg/Kg	5		SW-846 8082A	2/27/18	3/2/18 1:08	KAL
Aroclor-1248 [1]	0.45	0.35	mg/Kg	5		SW-846 8082A	3/2/18	3/4/18 21:23	KAL
Aroclor-1254 [1]	0.82	0.48	mg/Kg	5	P-02	SW-846 8082A	2/27/18	3/2/18 1:08	KAL
Aroclor-1254 [2]	1.4	0.35	mg/Kg	5		SW-846 8082A	3/2/18	3/4/18 21:23	KAL
Aroclor-1260 [2]	1.8	0.48	mg/Kg	5		SW-846 8082A	2/27/18	3/2/18 1:08	KAL
Aroclor-1260 [2]	1.5	0.35	mg/Kg	5		SW-846 8082A	3/2/18	3/4/18 21:23	KAL
Aroclor-1262 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	2/27/18	3/2/18 1:08	KAL
Aroclor-1262 [1]	ND	0.35	mg/Kg	5		SW-846 8082A	3/2/18	3/4/18 21:23	KAL
Aroclor-1268 [1]	ND	0.35	mg/Kg	5		SW-846 8082A	3/2/18	3/4/18 21:23	KAL
Aroclor-1268 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	2/27/18	3/2/18 1:08	KAL
Surrogates	% Recovery	Recovery Limits			Flag/Qual				
Decachlorobiphenyl [1]	201 *	30-150			S-19			3/2/18 1:08	
Decachlorobiphenyl [1]	178 *	30-150			S-19			3/4/18 21:23	
Decachlorobiphenyl [2]	234 *	30-150			S-19			3/2/18 1:08	
Decachlorobiphenyl [2]	203 *	30-150			S-19			3/4/18 21:23	
Tetrachloro-m-xylene [1]	85.7	30-150						3/2/18 1:08	
Tetrachloro-m-xylene [1]	67.6	30-150						3/4/18 21:23	
Tetrachloro-m-xylene [2]	68.0	30-150						3/4/18 21:23	
Tetrachloro-m-xylene [2]	87.7	30-150						3/2/18 1:08	

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

Project Location: English Station-Boiler 1-12 Area,

Sample Description: 1st Fl; SW Hall-Office

Work Order: 18B1048

Date Received: 2/26/2018

Field Sample #: FTM1A

Sampled: 2/21/2018 12:10

Sample ID: 18B1048-03

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.47	mg/Kg	5		SW-846 8082A	2/27/18	3/2/18 1:26	KAL
Aroclor-1221 [1]	ND	0.47	mg/Kg	5		SW-846 8082A	2/27/18	3/2/18 1:26	KAL
Aroclor-1232 [1]	ND	0.47	mg/Kg	5		SW-846 8082A	2/27/18	3/2/18 1:26	KAL
Aroclor-1242 [1]	ND	0.47	mg/Kg	5		SW-846 8082A	2/27/18	3/2/18 1:26	KAL
Aroclor-1248 [2]	0.63	0.47	mg/Kg	5		SW-846 8082A	2/27/18	3/2/18 1:26	KAL
Aroclor-1254 [1]	1.6	0.47	mg/Kg	5	P-02	SW-846 8082A	2/27/18	3/2/18 1:26	KAL
Aroclor-1260 [1]	4.7	0.47	mg/Kg	5		SW-846 8082A	2/27/18	3/2/18 1:26	KAL
Aroclor-1262 [1]	ND	0.47	mg/Kg	5		SW-846 8082A	2/27/18	3/2/18 1:26	KAL
Aroclor-1268 [1]	ND	0.47	mg/Kg	5		SW-846 8082A	2/27/18	3/2/18 1:26	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	97.8	30-150						3/2/18 1:26	
Decachlorobiphenyl [2]	115	30-150						3/2/18 1:26	
Tetrachloro-m-xylene [1]	89.2	30-150						3/2/18 1:26	
Tetrachloro-m-xylene [2]	92.6	30-150						3/2/18 1:26	

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

Project Location: English Station-Boiler 1-12 Area,

Sample Description: 1st Fl; SW Hall-Office

Work Order: 18B1048

Date Received: 2/26/2018

Field Sample #: FTM1B

Sampled: 2/21/2018 12:28

Sample ID: 18B1048-04

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	2/27/18	3/2/18 1:43	KAL
Aroclor-1221 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	2/27/18	3/2/18 1:43	KAL
Aroclor-1232 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	2/27/18	3/2/18 1:43	KAL
Aroclor-1242 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	2/27/18	3/2/18 1:43	KAL
Aroclor-1248 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	2/27/18	3/2/18 1:43	KAL
Aroclor-1254 [1]	1.1	0.48	mg/Kg	5	P-02	SW-846 8082A	2/27/18	3/2/18 1:43	KAL
Aroclor-1260 [1]	4.4	0.48	mg/Kg	5		SW-846 8082A	2/27/18	3/2/18 1:43	KAL
Aroclor-1262 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	2/27/18	3/2/18 1:43	KAL
Aroclor-1268 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	2/27/18	3/2/18 1:43	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	91.1	30-150						3/2/18 1:43	
Decachlorobiphenyl [2]	104	30-150						3/2/18 1:43	
Tetrachloro-m-xylene [1]	83.2	30-150						3/2/18 1:43	
Tetrachloro-m-xylene [2]	88.7	30-150						3/2/18 1:43	

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

Project Location: English Station-Boiler 1-12 Area,

Sample Description: 1st Fl;NW Hall-North

Work Order: 18B1048

Date Received: 2/26/2018

Field Sample #: P1A

Sampled: 2/16/2018 10:20

Sample ID: 18B1048-05

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.45	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 16:05	KAL
Aroclor-1221 [1]	ND	0.45	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 16:05	KAL
Aroclor-1232 [1]	ND	0.45	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 16:05	KAL
Aroclor-1242 [1]	ND	0.45	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 16:05	KAL
Aroclor-1248 [1]	ND	0.45	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 16:05	KAL
Aroclor-1254 [1]	2.2	0.45	mg/Kg	1	P-01	SW-846 8082A	2/27/18	3/2/18 16:05	KAL
Aroclor-1260 [1]	3.1	0.45	mg/Kg	1	P-01	SW-846 8082A	2/27/18	3/2/18 16:05	KAL
Aroclor-1262 [2]	ND	0.45	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 16:05	KAL
Aroclor-1268 [2]	1.1	0.45	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 16:05	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	83.6	30-150							
Decachlorobiphenyl [2]	84.5	30-150							
Tetrachloro-m-xylene [1]	89.1	30-150							
Tetrachloro-m-xylene [2]	89.7	30-150							

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

Project Location: English Station-Boiler 1-12 Area,

Sample Description: 1st Fl;NW Hall-Center

Work Order: 18B1048

Date Received: 2/26/2018

Field Sample #: P1B

Sampled: 2/16/2018 10:30

Sample ID: 18B1048-06

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.44	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 16:23	KAL
Aroclor-1221 [1]	ND	0.44	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 16:23	KAL
Aroclor-1232 [1]	ND	0.44	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 16:23	KAL
Aroclor-1242 [1]	ND	0.44	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 16:23	KAL
Aroclor-1248 [1]	ND	0.44	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 16:23	KAL
Aroclor-1254 [1]	1.8	0.44	mg/Kg	1	P-01	SW-846 8082A	2/27/18	3/2/18 16:23	KAL
Aroclor-1260 [1]	3.6	0.44	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 16:23	KAL
Aroclor-1262 [2]	ND	0.44	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 16:23	KAL
Aroclor-1268 [1]	ND	0.44	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 16:23	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	86.9	30-150							
Decachlorobiphenyl [2]	86.4	30-150							
Tetrachloro-m-xylene [1]	96.8	30-150							
Tetrachloro-m-xylene [2]	95.2	30-150							

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

Project Location: English Station-Boiler 1-12 Area,

Sample Description: 1st Fl;NW Hall-South

Work Order: 18B1048

Date Received: 2/26/2018

Field Sample #: P1C

Sampled: 2/16/2018 10:40

Sample ID: 18B1048-07

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 16:40	KAL
Aroclor-1221 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 16:40	KAL
Aroclor-1232 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 16:40	KAL
Aroclor-1242 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 16:40	KAL
Aroclor-1248 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 16:40	KAL
Aroclor-1254 [1]	2.7	0.48	mg/Kg	1	P-01	SW-846 8082A	2/27/18	3/2/18 16:40	KAL
Aroclor-1260 [1]	3.4	0.48	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 16:40	KAL
Aroclor-1262 [2]	ND	0.48	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 16:40	KAL
Aroclor-1268 [2]	0.75	0.48	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 16:40	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	81.2	30-150						3/2/18 16:40	
Decachlorobiphenyl [2]	80.6	30-150						3/2/18 16:40	
Tetrachloro-m-xylene [1]	90.5	30-150						3/2/18 16:40	
Tetrachloro-m-xylene [2]	90.7	30-150						3/2/18 16:40	

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

Project Location: English Station-Boiler 1-12 Area,

Sample Description: 1st Fl;NW Hall-North

Work Order: 18B1048

Date Received: 2/26/2018

Field Sample #: P2A

Sampled: 2/16/2018 10:50

Sample ID: 18B1048-08

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.37	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 16:58	KAL
Aroclor-1221 [1]	ND	0.37	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 16:58	KAL
Aroclor-1232 [1]	ND	0.37	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 16:58	KAL
Aroclor-1242 [1]	ND	0.37	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 16:58	KAL
Aroclor-1248 [1]	ND	0.37	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 16:58	KAL
Aroclor-1254 [1]	1.1	0.37	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 16:58	KAL
Aroclor-1260 [1]	1.5	0.37	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 16:58	KAL
Aroclor-1262 [2]	ND	0.37	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 16:58	KAL
Aroclor-1268 [1]	0.59	0.37	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 16:58	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	84.7	30-150						3/2/18 16:58	
Decachlorobiphenyl [2]	84.8	30-150						3/2/18 16:58	
Tetrachloro-m-xylene [1]	87.4	30-150						3/2/18 16:58	
Tetrachloro-m-xylene [2]	87.2	30-150						3/2/18 16:58	

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

Project Location: English Station-Boiler 1-12 Area,

Sample Description: 1st Fl;NW Hall-Center

Work Order: 18B1048

Date Received: 2/26/2018

Field Sample #: P2B

Sampled: 2/16/2018 11:20

Sample ID: 18B1048-09

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.41	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 17:16	KAL
Aroclor-1221 [1]	ND	0.41	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 17:16	KAL
Aroclor-1232 [1]	ND	0.41	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 17:16	KAL
Aroclor-1242 [1]	ND	0.41	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 17:16	KAL
Aroclor-1248 [1]	ND	0.41	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 17:16	KAL
Aroclor-1254 [1]	1.8	0.41	mg/Kg	1	P-01	SW-846 8082A	2/27/18	3/2/18 17:16	KAL
Aroclor-1260 [1]	2.0	0.41	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 17:16	KAL
Aroclor-1262 [2]	ND	0.41	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 17:16	KAL
Aroclor-1268 [2]	1.0	0.41	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 17:16	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	89.8	30-150							
Decachlorobiphenyl [2]	89.2	30-150							
Tetrachloro-m-xylene [1]	89.7	30-150							
Tetrachloro-m-xylene [2]	89.1	30-150							

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

Project Location: English Station-Boiler 1-12 Area,

Sample Description: 1st Fl;NW Hall-South

Work Order: 18B1048

Date Received: 2/26/2018

Field Sample #: P2C

Sampled: 2/16/2018 11:30

Sample ID: 18B1048-10

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 17:34	KAL
Aroclor-1221 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 17:34	KAL
Aroclor-1232 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 17:34	KAL
Aroclor-1242 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 17:34	KAL
Aroclor-1248 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 17:34	KAL
Aroclor-1254 [1]	3.6	0.48	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 17:34	KAL
Aroclor-1260 [1]	4.1	0.48	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 17:34	KAL
Aroclor-1262 [2]	ND	0.48	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 17:34	KAL
Aroclor-1268 [2]	1.1	0.48	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 17:34	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	75.6	30-150						3/2/18 17:34	
Decachlorobiphenyl [2]	75.9	30-150						3/2/18 17:34	
Tetrachloro-m-xylene [1]	83.5	30-150						3/2/18 17:34	
Tetrachloro-m-xylene [2]	83.4	30-150						3/2/18 17:34	

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

Project Location: English Station-Boiler 1-12 Area,

Sample Description: 1st Fl;NE Hall-North

Work Order: 18B1048

Date Received: 2/26/2018

Field Sample #: P2D

Sampled: 2/16/2018 15:00

Sample ID: 18B1048-11

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 17:52	KAL
Aroclor-1221 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 17:52	KAL
Aroclor-1232 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 17:52	KAL
Aroclor-1242 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 17:52	KAL
Aroclor-1248 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 17:52	KAL
Aroclor-1254 [1]	1.2	0.49	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 17:52	KAL
Aroclor-1260 [1]	1.9	0.49	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 17:52	KAL
Aroclor-1262 [2]	ND	0.49	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 17:52	KAL
Aroclor-1268 [1]	0.64	0.49	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 17:52	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	89.8	30-150							
Decachlorobiphenyl [2]	88.2	30-150							
Tetrachloro-m-xylene [1]	88.7	30-150							
Tetrachloro-m-xylene [2]	87.8	30-150							

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

Project Location: English Station-Boiler 1-12 Area,

Sample Description: 1st Fl;NW Hall-South

Work Order: 18B1048

Date Received: 2/26/2018

Field Sample #: P3A

Sampled: 2/19/2018 09:20

Sample ID: 18B1048-12

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.37	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 18:10	KAL
Aroclor-1221 [1]	ND	0.37	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 18:10	KAL
Aroclor-1232 [1]	ND	0.37	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 18:10	KAL
Aroclor-1242 [1]	ND	0.37	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 18:10	KAL
Aroclor-1248 [1]	ND	0.37	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 18:10	KAL
Aroclor-1254 [1]	1.0	0.37	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 18:10	KAL
Aroclor-1260 [1]	1.3	0.37	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 18:10	KAL
Aroclor-1262 [2]	ND	0.37	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 18:10	KAL
Aroclor-1268 [1]	0.57	0.37	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 18:10	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	80.3	30-150							
Decachlorobiphenyl [2]	80.6	30-150							
Tetrachloro-m-xylene [1]	86.6	30-150							
Tetrachloro-m-xylene [2]	86.7	30-150							

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

Project Location: English Station-Boiler 1-12 Area,

Sample Description: 1st Fl;NW Hall-North

Work Order: 18B1048

Date Received: 2/26/2018

Field Sample #: P3B

Sampled: 2/19/2018 09:30

Sample ID: 18B1048-13

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.43	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 18:28	KAL
Aroclor-1221 [1]	ND	0.43	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 18:28	KAL
Aroclor-1232 [1]	ND	0.43	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 18:28	KAL
Aroclor-1242 [1]	ND	0.43	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 18:28	KAL
Aroclor-1248 [1]	ND	0.43	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 18:28	KAL
Aroclor-1254 [1]	1.1	0.43	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 18:28	KAL
Aroclor-1260 [1]	1.3	0.43	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 18:28	KAL
Aroclor-1262 [2]	ND	0.43	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 18:28	KAL
Aroclor-1268 [2]	0.64	0.43	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 18:28	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	82.4	30-150							
Decachlorobiphenyl [2]	84.8	30-150							
Tetrachloro-m-xylene [1]	90.6	30-150							
Tetrachloro-m-xylene [2]	88.2	30-150							

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

Project Location: English Station-Boiler 1-12 Area,

Sample Description: 1st Fl;NW Hall-Center

Work Order: 18B1048

Date Received: 2/26/2018

Field Sample #: P3C

Sampled: 2/19/2018 10:20

Sample ID: 18B1048-14

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.41	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 18:46	KAL
Aroclor-1221 [1]	ND	0.41	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 18:46	KAL
Aroclor-1232 [1]	ND	0.41	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 18:46	KAL
Aroclor-1242 [1]	ND	0.41	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 18:46	KAL
Aroclor-1248 [1]	ND	0.41	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 18:46	KAL
Aroclor-1254 [1]	0.69	0.41	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 18:46	KAL
Aroclor-1260 [1]	1.1	0.41	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 18:46	KAL
Aroclor-1262 [2]	ND	0.41	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 18:46	KAL
Aroclor-1268 [1]	ND	0.41	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 18:46	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	91.0	30-150							
Decachlorobiphenyl [2]	89.8	30-150							
Tetrachloro-m-xylene [1]	87.2	30-150							
Tetrachloro-m-xylene [2]	86.0	30-150							

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

Project Location: English Station-Boiler 1-12 Area,

Sample Description: 1st Fl;NW Hall-Center

Work Order: 18B1048

Date Received: 2/26/2018

Field Sample #: P5A

Sampled: 2/16/2018 11:40

Sample ID: 18B1048-15

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.36	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 19:04	KAL
Aroclor-1221 [1]	ND	0.36	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 19:04	KAL
Aroclor-1232 [1]	ND	0.36	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 19:04	KAL
Aroclor-1242 [1]	ND	0.36	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 19:04	KAL
Aroclor-1248 [1]	ND	0.36	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 19:04	KAL
Aroclor-1254 [1]	2.4	0.36	mg/Kg	1	P-01	SW-846 8082A	2/27/18	3/2/18 19:04	KAL
Aroclor-1260 [1]	3.4	0.36	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 19:04	KAL
Aroclor-1262 [2]	ND	0.36	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 19:04	KAL
Aroclor-1268 [2]	1.2	0.36	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 19:04	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	80.3	30-150						3/2/18 19:04	
Decachlorobiphenyl [2]	79.8	30-150						3/2/18 19:04	
Tetrachloro-m-xylene [1]	88.2	30-150						3/2/18 19:04	
Tetrachloro-m-xylene [2]	87.4	30-150						3/2/18 19:04	

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

Project Location: English Station-Boiler 1-12 Area,

Sample Description: 1st Fl;NW Hall-South

Work Order: 18B1048

Date Received: 2/26/2018

Field Sample #: P5B

Sampled: 2/16/2018 11:50

Sample ID: 18B1048-16

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.45	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 20:02	KAL
Aroclor-1221 [1]	ND	0.45	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 20:02	KAL
Aroclor-1232 [1]	ND	0.45	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 20:02	KAL
Aroclor-1242 [1]	ND	0.45	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 20:02	KAL
Aroclor-1248 [1]	ND	0.45	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 20:02	KAL
Aroclor-1254 [1]	4.2	0.45	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 20:02	KAL
Aroclor-1260 [2]	6.7	0.45	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 20:02	KAL
Aroclor-1262 [2]	ND	0.45	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 20:02	KAL
Aroclor-1268 [1]	ND	0.45	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 20:02	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	67.2	30-150							
Decachlorobiphenyl [2]	67.7	30-150							
Tetrachloro-m-xylene [1]	86.9	30-150							
Tetrachloro-m-xylene [2]	86.4	30-150							

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

Project Location: English Station-Boiler 1-12 Area,

Sample Description: 1st Fl;NE Hall-South

Work Order: 18B1048

Date Received: 2/26/2018

Field Sample #: P5C

Sampled: 2/16/2018 14:55

Sample ID: 18B1048-17

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.36	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 20:20	KAL
Aroclor-1221 [1]	ND	0.36	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 20:20	KAL
Aroclor-1232 [1]	ND	0.36	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 20:20	KAL
Aroclor-1242 [1]	ND	0.36	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 20:20	KAL
Aroclor-1248 [1]	ND	0.36	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 20:20	KAL
Aroclor-1254 [1]	1.7	0.36	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 20:20	KAL
Aroclor-1260 [1]	2.7	0.36	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 20:20	KAL
Aroclor-1262 [2]	ND	0.36	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 20:20	KAL
Aroclor-1268 [2]	0.74	0.36	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 20:20	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	79.4	30-150						3/2/18 20:20	
Decachlorobiphenyl [2]	79.4	30-150						3/2/18 20:20	
Tetrachloro-m-xylene [1]	87.3	30-150						3/2/18 20:20	
Tetrachloro-m-xylene [2]	86.2	30-150						3/2/18 20:20	

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

Project Location: English Station-Boiler 1-12 Area,

Sample Description: 1st Fl;Bathroom

Work Order: 18B1048

Date Received: 2/26/2018

Field Sample #: P5D

Sampled: 2/16/2018 16:00

Sample ID: 18B1048-18

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.39	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 20:38	KAL
Aroclor-1221 [1]	ND	0.39	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 20:38	KAL
Aroclor-1232 [1]	ND	0.39	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 20:38	KAL
Aroclor-1242 [1]	ND	0.39	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 20:38	KAL
Aroclor-1248 [1]	ND	0.39	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 20:38	KAL
Aroclor-1254 [1]	1.7	0.39	mg/Kg	1	P-01	SW-846 8082A	2/27/18	3/2/18 20:38	KAL
Aroclor-1260 [1]	1.6	0.39	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 20:38	KAL
Aroclor-1262 [2]	ND	0.39	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 20:38	KAL
Aroclor-1268 [2]	0.48	0.39	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 20:38	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	90.7	30-150							
Decachlorobiphenyl [2]	89.9	30-150							
Tetrachloro-m-xylene [1]	99.9	30-150							
Tetrachloro-m-xylene [2]	97.7	30-150							

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

Project Location: English Station-Boiler 1-12 Area,

Sample Description: 1st Fl;NE Hall-South

Work Order: 18B1048

Date Received: 2/26/2018

Field Sample #: P5E

Sampled: 2/19/2018 10:00

Sample ID: 18B1048-19

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 20:55	KAL
Aroclor-1221 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 20:55	KAL
Aroclor-1232 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 20:55	KAL
Aroclor-1242 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 20:55	KAL
Aroclor-1248 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 20:55	KAL
Aroclor-1254 [1]	5.7	0.48	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 20:55	KAL
Aroclor-1260 [2]	2.4	0.48	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 20:55	KAL
Aroclor-1262 [2]	ND	0.48	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 20:55	KAL
Aroclor-1268 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 20:55	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	61.1	30-150							
Decachlorobiphenyl [2]	61.1	30-150							
Tetrachloro-m-xylene [1]	66.6	30-150							
Tetrachloro-m-xylene [2]	67.0	30-150							

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

Project Location: English Station-Boiler 1-12 Area,

Sample Description: 1st Fl,Fan Room

Work Order: 18B1048

Date Received: 2/26/2018

Field Sample #: P5F

Sampled: 2/21/2018 11:30

Sample ID: 18B1048-20

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	4.8	mg/Kg	10		SW-846 8082A	2/27/18	3/2/18 21:13	KAL
Aroclor-1221 [1]	ND	4.8	mg/Kg	10		SW-846 8082A	2/27/18	3/2/18 21:13	KAL
Aroclor-1232 [1]	ND	4.8	mg/Kg	10		SW-846 8082A	2/27/18	3/2/18 21:13	KAL
Aroclor-1242 [1]	ND	4.8	mg/Kg	10		SW-846 8082A	2/27/18	3/2/18 21:13	KAL
Aroclor-1248 [1]	ND	4.8	mg/Kg	10		SW-846 8082A	2/27/18	3/2/18 21:13	KAL
Aroclor-1254 [1]	51	4.8	mg/Kg	10		SW-846 8082A	2/27/18	3/2/18 21:13	KAL
Aroclor-1260 [1]	42	4.8	mg/Kg	10		SW-846 8082A	2/27/18	3/2/18 21:13	KAL
Aroclor-1262 [2]	ND	4.8	mg/Kg	10		SW-846 8082A	2/27/18	3/2/18 21:13	KAL
Aroclor-1268 [2]	20	4.8	mg/Kg	10		SW-846 8082A	2/27/18	3/2/18 21:13	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	90.0	30-150							
Decachlorobiphenyl [2]	92.5	30-150							
Tetrachloro-m-xylene [1]	90.8	30-150							
Tetrachloro-m-xylene [2]	100	30-150							

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

Project Location: English Station-Boiler 1-12 Area,

Sample Description: 1st Fl;NW Hall-North

Work Order: 18B1048

Date Received: 2/26/2018

Field Sample #: P6A

Sampled: 2/16/2018 12:00

Sample ID: 18B1048-21

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 21:31	KAL
Aroclor-1221 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 21:31	KAL
Aroclor-1232 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 21:31	KAL
Aroclor-1242 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 21:31	KAL
Aroclor-1248 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 21:31	KAL
Aroclor-1254 [1]	2.2	0.49	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 21:31	KAL
Aroclor-1260 [1]	5.3	0.49	mg/Kg	1	P-01	SW-846 8082A	2/27/18	3/2/18 21:31	KAL
Aroclor-1262 [2]	ND	0.49	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 21:31	KAL
Aroclor-1268 [2]	1.4	0.49	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 21:31	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	55.7	30-150						3/2/18 21:31	
Decachlorobiphenyl [2]	56.9	30-150						3/2/18 21:31	
Tetrachloro-m-xylene [1]	64.2	30-150						3/2/18 21:31	
Tetrachloro-m-xylene [2]	65.1	30-150						3/2/18 21:31	

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

Project Location: English Station-Boiler 1-12 Area,

Sample Description: 1st Fl;NW Hall-Center

Work Order: 18B1048

Date Received: 2/26/2018

Field Sample #: P7A

Sampled: 2/16/2018 12:10

Sample ID: 18B1048-22

Sample Matrix: Paint

Polychlorinated 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	1		SW-846 8082A	2/27/18	3/2/18 21:49	KAL
Aroclor-1221 [1]	ND	0.50	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 21:49	KAL
Aroclor-1232 [1]	ND	0.50	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 21:49	KAL
Aroclor-1242 [1]	ND	0.50	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 21:49	KAL
Aroclor-1248 [1]	ND	0.50	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 21:49	KAL
Aroclor-1254 [2]	1.9	0.50	mg/Kg	1	P-01	SW-846 8082A	2/27/18	3/2/18 21:49	KAL
Aroclor-1260 [2]	1.5	0.50	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 21:49	KAL
Aroclor-1262 [2]	ND	0.50	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 21:49	KAL
Aroclor-1268 [2]	0.52	0.50	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 21:49	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	55.4	30-150							
Decachlorobiphenyl [2]	37.7	30-150							
Tetrachloro-m-xylene [1]	41.1	30-150							
Tetrachloro-m-xylene [2]	41.4	30-150							

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
18B1048-05 [P1A]	B197751	0.222	10.0	02/27/18
18B1048-06 [P1B]	B197751	0.230	10.0	02/27/18
18B1048-07 [P1C]	B197751	0.210	10.0	02/27/18
18B1048-08 [P2A]	B197751	0.269	10.0	02/27/18
18B1048-09 [P2B]	B197751	0.247	10.0	02/27/18
18B1048-10 [P2C]	B197751	0.209	10.0	02/27/18
18B1048-11 [P2D]	B197751	0.204	10.0	02/27/18
18B1048-12 [P3A]	B197751	0.272	10.0	02/27/18
18B1048-13 [P3B]	B197751	0.233	10.0	02/27/18
18B1048-14 [P3C]	B197751	0.242	10.0	02/27/18
18B1048-15 [P5A]	B197751	0.280	10.0	02/27/18
18B1048-16 [P5B]	B197751	0.220	10.0	02/27/18
18B1048-17 [P5C]	B197751	0.278	10.0	02/27/18
18B1048-18 [P5D]	B197751	0.256	10.0	02/27/18
18B1048-19 [P5E]	B197751	0.207	10.0	02/27/18
18B1048-20 [P5F]	B197751	0.209	10.0	02/27/18
18B1048-21 [P6A]	B197751	0.205	10.0	02/27/18
18B1048-22 [P7A]	B197751	0.202	10.0	02/27/18

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18B1048-02 [FT1B]	B197750	2.08	10.0	02/27/18
18B1048-03 [FTM1A]	B197750	2.14	10.0	02/27/18
18B1048-04 [FTM1B]	B197750	2.09	10.0	02/27/18

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18B1048-01RE1 [FT1A]	B198085	2.01	10.0	03/02/18
18B1048-02RE1 [FT1B]	B198085	2.88	10.0	03/02/18

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

QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B197750 - SW-846 3540C

Blank (B197750-BLK1)

Prepared: 02/27/18 Analyzed: 03/02/18

Aroclor-1016	ND	0.10	mg/Kg							
Aroclor-1016 [2C]	ND	0.10	mg/Kg							
Aroclor-1221	ND	0.10	mg/Kg							
Aroclor-1221 [2C]	ND	0.10	mg/Kg							
Aroclor-1232	ND	0.10	mg/Kg							
Aroclor-1232 [2C]	ND	0.10	mg/Kg							
Aroclor-1242	ND	0.10	mg/Kg							
Aroclor-1242 [2C]	ND	0.10	mg/Kg							
Aroclor-1248	ND	0.10	mg/Kg							
Aroclor-1248 [2C]	ND	0.10	mg/Kg							
Aroclor-1254	ND	0.10	mg/Kg							
Aroclor-1254 [2C]	ND	0.10	mg/Kg							
Aroclor-1260	ND	0.10	mg/Kg							
Aroclor-1260 [2C]	ND	0.10	mg/Kg							
Aroclor-1262	ND	0.10	mg/Kg							
Aroclor-1262 [2C]	ND	0.10	mg/Kg							
Aroclor-1268	ND	0.10	mg/Kg							
Aroclor-1268 [2C]	ND	0.10	mg/Kg							
Surrogate: Decachlorobiphenyl	0.950		mg/Kg	1.00		95.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.10		mg/Kg	1.00		110	30-150			
Surrogate: Tetrachloro-m-xylene	0.914		mg/Kg	1.00		91.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.986		mg/Kg	1.00		98.6	30-150			

LCS (B197750-BS1)

Prepared: 02/27/18 Analyzed: 03/02/18

Aroclor-1016	0.95	0.10	mg/Kg	1.00		95.4	40-140			
Aroclor-1016 [2C]	1.0	0.10	mg/Kg	1.00		99.6	40-140			
Aroclor-1260	0.96	0.10	mg/Kg	1.00		95.9	40-140			
Aroclor-1260 [2C]	0.95	0.10	mg/Kg	1.00		95.1	40-140			
Surrogate: Decachlorobiphenyl	0.986		mg/Kg	1.00		98.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.14		mg/Kg	1.00		114	30-150			
Surrogate: Tetrachloro-m-xylene	0.909		mg/Kg	1.00		90.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.976		mg/Kg	1.00		97.6	30-150			

LCS Dup (B197750-BSD1)

Prepared: 02/27/18 Analyzed: 03/02/18

Aroclor-1016	0.97	0.10	mg/Kg	1.00		97.1	40-140	1.76	30	
Aroclor-1016 [2C]	1.0	0.10	mg/Kg	1.00		103	40-140	3.13	30	
Aroclor-1260	0.99	0.10	mg/Kg	1.00		98.8	40-140	2.97	30	
Aroclor-1260 [2C]	0.95	0.10	mg/Kg	1.00		95.0	40-140	0.0436	30	
Surrogate: Decachlorobiphenyl	1.02		mg/Kg	1.00		102	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.17		mg/Kg	1.00		117	30-150			
Surrogate: Tetrachloro-m-xylene	0.964		mg/Kg	1.00		96.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.04		mg/Kg	1.00		104	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
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B197751 - SW-846 3540C
Blank (B197751-BLK1)

Prepared: 02/27/18 Analyzed: 03/02/18

Aroclor-1016	ND	0.50	mg/Kg							
Aroclor-1016 [2C]	ND	0.50	mg/Kg							
Aroclor-1221	ND	0.50	mg/Kg							
Aroclor-1221 [2C]	ND	0.50	mg/Kg							
Aroclor-1232	ND	0.50	mg/Kg							
Aroclor-1232 [2C]	ND	0.50	mg/Kg							
Aroclor-1242	ND	0.50	mg/Kg							
Aroclor-1242 [2C]	ND	0.50	mg/Kg							
Aroclor-1248	ND	0.50	mg/Kg							
Aroclor-1248 [2C]	ND	0.50	mg/Kg							
Aroclor-1254	ND	0.50	mg/Kg							
Aroclor-1254 [2C]	ND	0.50	mg/Kg							
Aroclor-1260	ND	0.50	mg/Kg							
Aroclor-1260 [2C]	ND	0.50	mg/Kg							
Aroclor-1262	ND	0.50	mg/Kg							
Aroclor-1262 [2C]	ND	0.50	mg/Kg							
Aroclor-1268	ND	0.50	mg/Kg							
Aroclor-1268 [2C]	ND	0.50	mg/Kg							
Surrogate: Decachlorobiphenyl	9.92		mg/Kg	10.0		99.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	9.53		mg/Kg	10.0		95.3	30-150			
Surrogate: Tetrachloro-m-xylene	9.82		mg/Kg	10.0		98.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	9.57		mg/Kg	10.0		95.7	30-150			

LCS (B197751-BS1)

Prepared: 02/27/18 Analyzed: 03/02/18

Aroclor-1016	3.0	0.50	mg/Kg	2.50		120	40-140			
Aroclor-1016 [2C]	2.8	0.50	mg/Kg	2.50		114	40-140			
Aroclor-1260	2.6	0.50	mg/Kg	2.50		102	40-140			
Aroclor-1260 [2C]	2.5	0.50	mg/Kg	2.50		99.6	40-140			
Surrogate: Decachlorobiphenyl	10.6		mg/Kg	10.0		106	30-150			
Surrogate: Decachlorobiphenyl [2C]	10.3		mg/Kg	10.0		103	30-150			
Surrogate: Tetrachloro-m-xylene	10.6		mg/Kg	10.0		106	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	10.3		mg/Kg	10.0		103	30-150			

LCS Dup (B197751-BSD1)

Prepared: 02/27/18 Analyzed: 03/02/18

Aroclor-1016	2.7	0.50	mg/Kg	2.50		109	40-140	9.42	30	
Aroclor-1016 [2C]	2.8	0.50	mg/Kg	2.50		113	40-140	0.844	30	
Aroclor-1260	2.5	0.50	mg/Kg	2.50		101	40-140	0.977	30	
Aroclor-1260 [2C]	2.5	0.50	mg/Kg	2.50		102	40-140	2.32	30	
Surrogate: Decachlorobiphenyl	9.95		mg/Kg	10.0		99.5	30-150			
Surrogate: Decachlorobiphenyl [2C]	9.69		mg/Kg	10.0		96.9	30-150			
Surrogate: Tetrachloro-m-xylene	9.92		mg/Kg	10.0		99.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	9.66		mg/Kg	10.0		96.6	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
---------	--------	--------------------	-------	----------------	------------------	------	----------------	-----	--------------	-------

Batch B198085 - SW-846 3540C
Blank (B198085-BLK1)

Prepared: 03/02/18 Analyzed: 03/04/18

Aroclor-1016	ND	0.10	mg/Kg							
Aroclor-1016 [2C]	ND	0.10	mg/Kg							
Aroclor-1221	ND	0.10	mg/Kg							
Aroclor-1221 [2C]	ND	0.10	mg/Kg							
Aroclor-1232	ND	0.10	mg/Kg							
Aroclor-1232 [2C]	ND	0.10	mg/Kg							
Aroclor-1242	ND	0.10	mg/Kg							
Aroclor-1242 [2C]	ND	0.10	mg/Kg							
Aroclor-1248	ND	0.10	mg/Kg							
Aroclor-1248 [2C]	ND	0.10	mg/Kg							
Aroclor-1254	ND	0.10	mg/Kg							
Aroclor-1254 [2C]	ND	0.10	mg/Kg							
Aroclor-1260	ND	0.10	mg/Kg							
Aroclor-1260 [2C]	ND	0.10	mg/Kg							
Aroclor-1262	ND	0.10	mg/Kg							
Aroclor-1262 [2C]	ND	0.10	mg/Kg							
Aroclor-1268	ND	0.10	mg/Kg							
Aroclor-1268 [2C]	ND	0.10	mg/Kg							
Surrogate: Decachlorobiphenyl	0.932		mg/Kg	1.00		93.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.06		mg/Kg	1.00		106	30-150			
Surrogate: Tetrachloro-m-xylene	0.921		mg/Kg	1.00		92.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.995		mg/Kg	1.00		99.5	30-150			

LCS (B198085-BS1)

Prepared: 03/02/18 Analyzed: 03/04/18

Aroclor-1016	0.82	0.10	mg/Kg	1.00		81.7	40-140			
Aroclor-1016 [2C]	0.95	0.10	mg/Kg	1.00		94.8	40-140			
Aroclor-1260	0.82	0.10	mg/Kg	1.00		82.1	40-140			
Aroclor-1260 [2C]	0.81	0.10	mg/Kg	1.00		80.6	40-140			
Surrogate: Decachlorobiphenyl	0.899		mg/Kg	1.00		89.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.03		mg/Kg	1.00		103	30-150			
Surrogate: Tetrachloro-m-xylene	0.901		mg/Kg	1.00		90.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.964		mg/Kg	1.00		96.4	30-150			

LCS Dup (B198085-BSD1)

Prepared: 03/02/18 Analyzed: 03/04/18

Aroclor-1016	0.88	0.10	mg/Kg	1.00		88.3	40-140	7.76	30	
Aroclor-1016 [2C]	0.98	0.10	mg/Kg	1.00		97.9	40-140	3.13	30	
Aroclor-1260	0.83	0.10	mg/Kg	1.00		82.6	40-140	0.641	30	
Aroclor-1260 [2C]	0.81	0.10	mg/Kg	1.00		81.4	40-140	1.03	30	
Surrogate: Decachlorobiphenyl	0.927		mg/Kg	1.00		92.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.03		mg/Kg	1.00		103	30-150			
Surrogate: Tetrachloro-m-xylene	0.916		mg/Kg	1.00		91.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.982		mg/Kg	1.00		98.2	30-150			

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

FT1A

Lab Sample ID: 18B1048-01RE1 Date(s) Analyzed: 03/04/2018 03/04/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	1.1	
	2	0.000	0.000	0.000	1.3	16.7
Aroclor-1260	1	0.000	0.000	0.000	1.2	
	2	0.000	0.000	0.000	1.4	15.4

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

FT1B

Lab Sample ID: 18B1048-02 Date(s) Analyzed: 03/02/2018 03/02/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1248	1	0.000	0.000	0.000	0.57	
	2	0.000	0.000	0.000	0.48	17.1
Aroclor-1254	1	0.000	0.000	0.000	0.82	
	2	0.000	0.000	0.000	1.7	69.8
Aroclor-1260	1	0.000	0.000	0.000	1.6	
	2	0.000	0.000	0.000	1.8	11.8

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

FT1B

Lab Sample ID: 18B1048-02RE1 Date(s) Analyzed: 03/04/2018 03/04/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1248	1	0.000	0.000	0.000	0.45	
	2	0.000	0.000	0.000	0.43	4.6
Aroclor-1254	1	0.000	0.000	0.000	1.2	
	2	0.000	0.000	0.000	1.4	15.4
Aroclor-1260	1	0.000	0.000	0.000	1.3	
	2	0.000	0.000	0.000	1.5	14.3

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

FTM1A

Lab Sample ID: 18B1048-03 Date(s) Analyzed: 03/02/2018 03/02/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1248	1	0.000	0.000	0.000	0.59	
	2	0.000	0.000	0.000	0.63	6.6
Aroclor-1254	1	0.000	0.000	0.000	1.6	
	2	0.000	0.000	0.000	3.8	81.5
Aroclor-1260	1	0.000	0.000	0.000	4.7	
	2	0.000	0.000	0.000	4.5	4.4

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES***SW-846 8082A***FTM1B**Lab Sample ID: 18B1048-04 Date(s) Analyzed: 03/02/2018 03/02/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	1.1	
	2	0.000	0.000	0.000	3.0	92.7
Aroclor-1260	1	0.000	0.000	0.000	4.4	
	2	0.000	0.000	0.000	4.1	7.1

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

P1A

Lab Sample ID: 18B1048-05 Date(s) Analyzed: 03/02/2018 03/02/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	2.2	
	2	0.000	0.000	0.000	1.2	58.8
Aroclor-1260	1	0.000	0.000	0.000	3.1	
	2	0.000	0.000	0.000	2.0	43.1
Aroclor-1268	1	0.000	0.000	0.000	1.1	
	2	0.000	0.000	0.000	1.1	0.0

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

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

P1B

Lab Sample ID: 18B1048-06 Date(s) Analyzed: 03/02/2018 03/02/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	1.8	
	2	0.000	0.000	0.000	1.1	48.3
Aroclor-1260	1	0.000	0.000	0.000	3.6	
	2	0.000	0.000	0.000	2.8	25.0

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

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

P1C

Lab Sample ID: 18B1048-07 Date(s) Analyzed: 03/02/2018 03/02/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	2.7	
	2	0.000	0.000	0.000	1.7	45.5
Aroclor-1260	1	0.000	0.000	0.000	3.4	
	2	0.000	0.000	0.000	2.6	26.7
Aroclor-1268	1	0.000	0.000	0.000	0.70	
	2	0.000	0.000	0.000	0.75	6.9

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

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

P2A

Lab Sample ID: 18B1048-08 Date(s) Analyzed: 03/02/2018 03/02/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	1.1	
	2	0.000	0.000	0.000	0.77	35.3
Aroclor-1260	1	0.000	0.000	0.000	1.5	
	2	0.000	0.000	0.000	1.1	30.8
Aroclor-1268	1	0.000	0.000	0.000	0.59	
	2	0.000	0.000	0.000	0.59	0.0

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

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

P2B

Lab Sample ID: 18B1048-09 Date(s) Analyzed: 03/02/2018 03/02/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	1.8	
	2	0.000	0.000	0.000	1.1	48.3
Aroclor-1260	1	0.000	0.000	0.000	2.0	
	2	0.000	0.000	0.000	1.4	35.3
Aroclor-1268	1	0.000	0.000	0.000	0.77	
	2	0.000	0.000	0.000	1.0	26.0

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

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

P2C

Lab Sample ID: 18B1048-10 Date(s) Analyzed: 03/02/2018 03/02/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	3.6	
	2	0.000	0.000	0.000	2.4	40.0
Aroclor-1260	1	0.000	0.000	0.000	4.1	
	2	0.000	0.000	0.000	3.4	18.7
Aroclor-1268	1	0.000	0.000	0.000	1.1	
	2	0.000	0.000	0.000	1.1	0.0

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

P2D

Lab Sample ID: 18B1048-11 Date(s) Analyzed: 03/02/2018 03/02/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	1.2	
	2	0.000	0.000	0.000	0.93	25.4
Aroclor-1260	1	0.000	0.000	0.000	1.9	
	2	0.000	0.000	0.000	1.5	23.5
Aroclor-1268	1	0.000	0.000	0.000	0.64	
	2	0.000	0.000	0.000	0.61	4.8

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

P3A

Lab Sample ID: 18B1048-12 Date(s) Analyzed: 03/02/2018 03/02/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	1.0	
	2	0.000	0.000	0.000	0.85	16.2
Aroclor-1260	1	0.000	0.000	0.000	1.3	
	2	0.000	0.000	0.000	0.98	28.1
Aroclor-1268	1	0.000	0.000	0.000	0.57	
	2	0.000	0.000	0.000	0.56	1.8

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

P3B

Lab Sample ID: 18B1048-13 Date(s) Analyzed: 03/02/2018 03/02/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	1.1	
	2	0.000	0.000	0.000	0.87	23.4
Aroclor-1260	1	0.000	0.000	0.000	1.3	
	2	0.000	0.000	0.000	1.2	15.4
Aroclor-1268	1	0.000	0.000	0.000	0.50	
	2	0.000	0.000	0.000	0.64	24.6

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

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

P3C

Lab Sample ID: 18B1048-14 Date(s) Analyzed: 03/02/2018 03/02/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	0.69	
	2	0.000	0.000	0.000	0.60	14.0
Aroclor-1260	1	0.000	0.000	0.000	1.1	
	2	0.000	0.000	0.000	1.1	0.0

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

P5A

Lab Sample ID: 18B1048-15 Date(s) Analyzed: 03/02/2018 03/02/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	2.4	
	2	0.000	0.000	0.000	1.4	52.6
Aroclor-1260	1	0.000	0.000	0.000	3.4	
	2	0.000	0.000	0.000	2.4	34.5
Aroclor-1268	1	0.000	0.000	0.000	1.2	
	2	0.000	0.000	0.000	1.2	0.0

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

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

P5B

Lab Sample ID: 18B1048-16 Date(s) Analyzed: 03/02/2018 03/02/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	4.2	
	2	0.000	0.000	0.000	4.0	4.9
Aroclor-1260	1	0.000	0.000	0.000	5.8	
	2	0.000	0.000	0.000	6.7	14.4

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

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

P5C

Lab Sample ID: 18B1048-17 Date(s) Analyzed: 03/02/2018 03/02/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	1.7	
	2	0.000	0.000	0.000	1.3	26.7
Aroclor-1260	1	0.000	0.000	0.000	2.7	
	2	0.000	0.000	0.000	1.9	34.8
Aroclor-1268	1	0.000	0.000	0.000	0.62	
	2	0.000	0.000	0.000	0.74	17.6

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

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

P5D

Lab Sample ID: 18B1048-18 Date(s) Analyzed: 03/02/2018 03/02/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	1.7	
	2	0.000	0.000	0.000	0.97	54.7
Aroclor-1260	1	0.000	0.000	0.000	1.6	
	2	0.000	0.000	0.000	1.3	20.7
Aroclor-1268	1	0.000	0.000	0.000	0.41	
	2	0.000	0.000	0.000	0.48	15.7

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

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

P5E

Lab Sample ID: 18B1048-19 Date(s) Analyzed: 03/02/2018 03/02/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	5.7	
	2	0.000	0.000	0.000	4.4	25.7
Aroclor-1260	1	0.000	0.000	0.000	1.9	
	2	0.000	0.000	0.000	2.4	23.3

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

P5F

Lab Sample ID: 18B1048-20 Date(s) Analyzed: 03/02/2018 03/02/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	51	
	2	0.000	0.000	0.000	46	10.3
Aroclor-1260	1	0.000	0.000	0.000	42	
	2	0.000	0.000	0.000	36	15.4
Aroclor-1268	1	0.000	0.000	0.000	18	
	2	0.000	0.000	0.000	20	10.5

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

P6A

Lab Sample ID: 18B1048-21 Date(s) Analyzed: 03/02/2018 03/02/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	2.2	
	2	0.000	0.000	0.000	1.5	37.8
Aroclor-1260	1	0.000	0.000	0.000	5.3	
	2	0.000	0.000	0.000	3.5	40.9
Aroclor-1268	1	0.000	0.000	0.000	1.3	
	2	0.000	0.000	0.000	1.4	7.4

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

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

P7A

Lab Sample ID: 18B1048-22 Date(s) Analyzed: 03/02/2018 03/02/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	1.0	
	2	0.000	0.000	0.000	1.9	62.1
Aroclor-1260	1	0.000	0.000	0.000	1.6	
	2	0.000	0.000	0.000	1.5	6.5

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.
P-01	Result was confirmed using a dissimilar column. Relative percent difference between the two results was >40%. In accordance with the method, the higher result was reported.
P-02	Sample RPD between primary and confirmatory analysis exceeded 40%. Per EPA method 8000, the lower value was reported due to obvious chromatographic interference on the column with the higher result.
S-19	Surrogate recovery is outside of control limits, matrix interference suspected. Reanalysis yielded similar surrogate non-conformance.

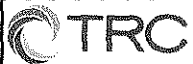
CERTIFICATIONS
Certified Analyses included in this Report

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

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

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

BILL DIRECT TO U/ PO #



21 GRIFFIN ROAD NORTH
WINDSOR, CONNECTICUT 06095
TELEPHONE (860) 298-9692
FAX (860) 298-6380

18B1048

CHAIN OF CUSTODY

Edition: September 2007
Supersede Previous Edition

PROJECT NUMBER		PROJECT NAME		PARAMETERS		CONTAINERS		LAB ID #.			
263951		English Station - Boiler 1-12 Area New Haven, CT						TURNAROUND TIME			
								x Standard TAT 7-10 Days			
								Rush TAT Date Needed:			
SIGNATURE		INSPECTOR									
		Mark Kearney/Gregory Kaczynski									
Lab ID:	SAMPLE ID:	DATE	TIME	TYPE		EPA 8082 (3540)	# of Amber Glass	# of Clear Glass	Matrix (X1= caulk/glaze X2= paint, X3=other solid)	Preservative	NOTES
				COMP	GRAB						
01	FTIA	2/21/18	1215		X	1ST FL; SW HALL - OFFICE	X	X	X 3	---	
02	FTIB		1225		X	1ST FL; SW HALL - OFFICE	X		X 3	---	
03	FTMIA		1210		X	1ST FL; SW HALL - OFFICE	X		X 3	---	
04	FTMIB		1228		X	1ST FL; SW HALL - OFFICE	X		X 3	---	
05	PIA	2/16/18	1020		X	1ST FL; NW HALL - NORTH	X		X 2	---	
06	PIB		1030		X	1ST FL; NW HALL - CENTER	X			---	
07	PIC		1040		X	1ST FL; NW HALL - SOUTH	X			---	
08	P2A	2/16/18	1050		X	1ST FL; NW HALL - NORTH	X			---	
09	P2B		1120		X	1ST FL; NW HALL - CENTER	X			---	
10	P2C		1130		X	1ST FL; NW HALL - SOUTH	X			---	
11	P2D		1500		X	1ST FL; NE HALL - NORTH	X			---	

Relinquished by: (Signature)	Date:	Received by: (Signature)	Date:	Relinquished by: (Signature)	Date:	Received by: (Signature)	Date:
	2/23/18		2/24/18		2/24/18		2/24/18
(Printed)	Time:	(Printed)	Time:	(Printed)	Time:	(Printed)	Time:
Gregory Kaczynski	1630						
Remarks:						Condition upon Receipt:	
Report to:						Page 1 of 8	
Include CT DPH RCP Report							



21 GRIFFIN ROAD NORTH
WINDSOR, CONNECTICUT 06095
TELEPHONE (860) 298-9692
FAX (860) 298-6380

Edition: September 2007
Supersede Previous Edition

18B1048 CHAIN OF CUSTODY

PROJECT NUMBER		PROJECT NAME		PARAMETERS		CONTAINERS		LAB ID #.		TURNAROUND TIME		
263951		English Station - Boiler 1-12 Area New Haven, CT								x Standard TAT 7-10 Days		
SIGNATURE		INSPECTOR								Rush TAT Date Needed:		
		Mark Kearney/Gregory Kaczynski										
Lab ID:	SAMPLE ID:	DATE	TIME	TYPE		SAMPLE LOCATION	EPA 8082 (3540)	# of Amber Glass	# of Clear Glass	Matrix (X1= caulk/glaze X2= paint, X3=other solid)	Preservative	NOTES
				COMP	GRAB							
12	P3A	2/19/18	0920		X	1ST FL; NW HALL - SOUTH	X		X	X2	---	
13	P3B	2	0930		X	1ST FL; NW HALL - NORTH	X				---	
14	P3C	2	1020		X	1ST FL; NW HALL - CENTER	X				---	
15	P5A	2/16/18	1140		X	1ST FL; NW HALL - CENTER	X				---	
16	P5B	2	1150		X	1ST FL; NW HALL - SOUTH	X				---	
17	P5C	2	1455		X	1ST FL; NE HALL - SOUTH	X				---	
18	P5D	2	1600		X	1ST FL; BATHROOM	X				---	
19	P5E	2/19/18	1000		X	1ST FL; NE HALL - SOUTH	X				---	
20	P5F	2/21/18	1130		X	1ST FL; FAN ROOM	X				---	
21	P6A	2/16/18	1200		X	1ST FL; NW HALL - NORTH	X				---	
22	P7A	2	1210		X	1ST FL; NW HALL - CENTER	X				---	

Relinquished by: (Signature)	Date:	Received by: (Signature)	Date:	Relinquished by: (Signature)	Date:	Received by: (Signature)
	2/23/18		2/24/18 12		2/24/18 1200	
(Printed)	Time:	(Printed)	Time:	(Printed)	Time:	(Printed)
Gregory Kaczynski	1630					
Remarks: Report to:				Condition upon Receipt:		Page 2 of 8
Include CT DPH RCP Report						


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 TJC

Received By NAP Date 2/26/18 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 # 577 Actual Temp - 4.2

By Blank # Actual Temp -

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

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

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

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

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

Project T ID's T Collection Dates/Times T

Are Sample labels filled out and legible? T

Are there Lab to Filters? F Who was notified?

Are there Rushes? F Who was notified?

Are there Short Holds? F Who was notified?

Is there enough Volume? T

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

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

Were trip blanks received? F On COC? F

Do all samples have the proper pH? NA Acid Base

Vials	#	Containers:	#				#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	22
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Unused Media

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

Comments:



REASONABLE CONFIDENCE PROTOCOL LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory

Client: United Illuminating Company

Project Location: English Station-Boiler 1-12 Area, New Haven, CT

Project Number: 18B1048

Laboratory Sample ID(s):
18B1048-01 thru 18B1048-22

Sample Date(s):

02/16/2018,
02/19/2018,
02/21/2018

List RCP Methods Used:

SW-846 8082A

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

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

This form may not be altered and all questions must be answered.

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: Project Manager
Printed Name: Lisa A. Worthington
Date: 03/05/18
Name of Laboratory: Con-Test Analytical Laboratory

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

March 5, 2018

Chris Mocciaie
United Illuminating Company
180 Marsh Hill Road
Orange, CT 06477

Project Location: English Station-Boiler 1-12 Area, New Haven, CT
Client Job Number:
Project Number: 263951
Laboratory Work Order Number: 18B1049

Enclosed are results of analyses for samples received by the laboratory on February 26, 2018. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jessica L. Hoffman
Project Manager

Table of Contents

Sample Summary	4
Case Narrative	5
Sample Results	6
18B1049-01	6
18B1049-02	7
18B1049-03	8
18B1049-04	9
18B1049-05	10
18B1049-06	11
18B1049-07	12
18B1049-08	13
18B1049-09	14
18B1049-10	15
18B1049-11	16
18B1049-12	17
18B1049-13	18
18B1049-14	19
18B1049-15	20
18B1049-16	21
18B1049-17	22
18B1049-18	23
18B1049-19	24
18B1049-20	25
18B1049-21	26
18B1049-22	27

Table of Contents (continued)

Sample Preparation Information	28
QC Data	29
Polychlorinated Biphenyls with 3540 Soxhlet Extraction	29
B197751	29
B197752	30
Dual Column RPD Report	31
Flag/Qualifier Summary	53
Certifications	54
Chain of Custody/Sample Receipt	55

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

United Illuminating Company
180 Marsh Hill Road
Orange, CT 06477
ATTN: Chris Moccia

REPORT DATE: 3/5/2018

PURCHASE ORDER NUMBER: 4500446141

PROJECT NUMBER: 263951

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 18B1049

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

PROJECT LOCATION: English Station-Boiler 1-12 Area, New Haven, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
P8A	18B1049-01	Paint	1st Fl;North Hall-East	SW-846 8082A	
P8B	18B1049-02	Paint	1st Fl;North Hall-East	SW-846 8082A	
P9A	18B1049-03	Paint	1st Fl;North Hall-Center	SW-846 8082A	
P9B	18B1049-04	Paint	1st Fl;North Hall-Center	SW-846 8082A	
P10A	18B1049-05	Paint	1st Fl;Temp 012 St.Rm.	SW-846 8082A	
P10B	18B1049-06	Paint	1st Fl;Fan Room	SW-846 8082A	
P10C	18B1049-07	Paint	1st Fl;Fan Rm.	SW-846 8082A	
P11A	18B1049-08	Paint	1st Fl;North Hall	SW-846 8082A	
P12A	18B1049-09	Paint	1st Fl;NE Hall-North	SW-846 8082A	
P12B	18B1049-10	Paint	1st Fl;NE Hall-Center	SW-846 8082A	
P12C	18B1049-11	Paint	1st Fl;NE Hall-South	SW-846 8082A	
P13A	18B1049-12	Paint	1st Fl;NE Hall	SW-846 8082A	
P14A	18B1049-13	Paint	1st Fl;Bath (North)	SW-846 8082A	
P14B	18B1049-14	Paint	1st Fl;Bath (Center)	SW-846 8082A	
P14C	18B1049-15	Paint	1st Fl;Bath (South)	SW-846 8082A	
P15A	18B1049-16	Paint	1st Fl;Bath (South)	SW-846 8082A	
P15B	18B1049-17	Paint	1st Fl;Bath (South)	SW-846 8082A	
P15C	18B1049-18	Paint	1st Fl;Bath (South)	SW-846 8082A	
P16A	18B1049-19	Paint	1st Fl;Bath Ceiling	SW-846 8082A	
P16B	18B1049-20	Paint	1st Fl;Bath Ceiling	SW-846 8082A	
P16C	18B1049-21	Paint	1st Fl;Bath Ceiling	SW-846 8082A	
P17A	18B1049-22	Paint	1st Fl;Bath Ceiling	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.

SW-846 8082A**Qualifications:****P-01**

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

Analyte & Samples(s) Qualified:**Aroclor-1254**

18B1049-01[P8A], 18B1049-02[P8B], 18B1049-03[P9A], 18B1049-04[P9B], 18B1049-08[P11A], 18B1049-09[P12A], 18B1049-12[P13A], 18B1049-14[P14B], 18B1049-18[P15C], 18B1049-20[P16B]

Aroclor-1254 [2C]

18B1049-05[P10A]

Aroclor-1260

18B1049-01[P8A], 18B1049-02[P8B], 18B1049-03[P9A], 18B1049-04[P9B], 18B1049-12[P13A], 18B1049-18[P15C]

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

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



Lisa A. Worthington
Project Manager

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

Project Location: English Station-Boiler 1-12 Area,

Sample Description: 1st Fl;North Hall-East

Work Order: 18B1049

Date Received: 2/26/2018

Field Sample #: P8A

Sampled: 2/16/2018 12:20

Sample ID: 18B1049-01

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.40	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 23:22	KAL
Aroclor-1221 [1]	ND	0.40	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 23:22	KAL
Aroclor-1232 [1]	ND	0.40	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 23:22	KAL
Aroclor-1242 [1]	ND	0.40	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 23:22	KAL
Aroclor-1248 [1]	ND	0.40	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 23:22	KAL
Aroclor-1254 [1]	1.6	0.40	mg/Kg	1	P-01	SW-846 8082A	2/27/18	3/2/18 23:22	KAL
Aroclor-1260 [1]	3.7	0.40	mg/Kg	1	P-01	SW-846 8082A	2/27/18	3/2/18 23:22	KAL
Aroclor-1262 [1]	ND	0.40	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 23:22	KAL
Aroclor-1268 [1]	1.1	0.40	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 23:22	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	87.1	30-150							
Decachlorobiphenyl [2]	87.7	30-150							
Tetrachloro-m-xylene [1]	99.2	30-150							
Tetrachloro-m-xylene [2]	98.4	30-150							

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

Project Location: English Station-Boiler 1-12 Area,

Sample Description: 1st Fl;North Hall-East

Work Order: 18B1049

Date Received: 2/26/2018

Field Sample #: P8B

Sampled: 2/16/2018 12:15

Sample ID: 18B1049-02

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.42	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 23:40	KAL
Aroclor-1221 [1]	ND	0.42	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 23:40	KAL
Aroclor-1232 [1]	ND	0.42	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 23:40	KAL
Aroclor-1242 [1]	ND	0.42	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 23:40	KAL
Aroclor-1248 [1]	ND	0.42	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 23:40	KAL
Aroclor-1254 [1]	2.0	0.42	mg/Kg	1	P-01	SW-846 8082A	2/27/18	3/2/18 23:40	KAL
Aroclor-1260 [1]	3.3	0.42	mg/Kg	1	P-01	SW-846 8082A	2/27/18	3/2/18 23:40	KAL
Aroclor-1262 [1]	ND	0.42	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 23:40	KAL
Aroclor-1268 [2]	1.5	0.42	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 23:40	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	89.3	30-150						3/2/18 23:40	
Decachlorobiphenyl [2]	88.6	30-150						3/2/18 23:40	
Tetrachloro-m-xylene [1]	96.0	30-150						3/2/18 23:40	
Tetrachloro-m-xylene [2]	93.8	30-150						3/2/18 23:40	

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

Project Location: English Station-Boiler 1-12 Area,

Sample Description: 1st Fl;North Hall-Center

Work Order: 18B1049

Date Received: 2/26/2018

Field Sample #: P9A

Sampled: 2/16/2018 14:05

Sample ID: 18B1049-03

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.41	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 23:58	KAL
Aroclor-1221 [1]	ND	0.41	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 23:58	KAL
Aroclor-1232 [1]	ND	0.41	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 23:58	KAL
Aroclor-1242 [1]	ND	0.41	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 23:58	KAL
Aroclor-1248 [1]	ND	0.41	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 23:58	KAL
Aroclor-1254 [1]	3.3	0.41	mg/Kg	1	P-01	SW-846 8082A	2/27/18	3/2/18 23:58	KAL
Aroclor-1260 [1]	4.1	0.41	mg/Kg	1	P-01	SW-846 8082A	2/27/18	3/2/18 23:58	KAL
Aroclor-1262 [1]	ND	0.41	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 23:58	KAL
Aroclor-1268 [1]	2.0	0.41	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 23:58	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	95.6	30-150							
Decachlorobiphenyl [2]	94.1	30-150							
Tetrachloro-m-xylene [1]	101	30-150							
Tetrachloro-m-xylene [2]	98.4	30-150							

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

Project Location: English Station-Boiler 1-12 Area,

Sample Description: 1st Fl;North Hall-Center

Work Order: 18B1049

Date Received: 2/26/2018

Field Sample #: P9B

Sampled: 2/16/2018 14:10

Sample ID: 18B1049-04

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.46	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 0:16	KAL
Aroclor-1221 [1]	ND	0.46	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 0:16	KAL
Aroclor-1232 [1]	ND	0.46	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 0:16	KAL
Aroclor-1242 [1]	ND	0.46	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 0:16	KAL
Aroclor-1248 [1]	ND	0.46	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 0:16	KAL
Aroclor-1254 [1]	2.7	0.46	mg/Kg	1	P-01	SW-846 8082A	2/27/18	3/3/18 0:16	KAL
Aroclor-1260 [1]	3.9	0.46	mg/Kg	1	P-01	SW-846 8082A	2/27/18	3/3/18 0:16	KAL
Aroclor-1262 [1]	ND	0.46	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 0:16	KAL
Aroclor-1268 [2]	1.2	0.46	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 0:16	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	87.0	30-150						3/3/18 0:16	
Decachlorobiphenyl [2]	86.4	30-150						3/3/18 0:16	
Tetrachloro-m-xylene [1]	92.5	30-150						3/3/18 0:16	
Tetrachloro-m-xylene [2]	91.4	30-150						3/3/18 0:16	

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

Project Location: English Station-Boiler 1-12 Area,

Sample Description: 1st Fl;Temp 012 St.Rm.

Work Order: 18B1049

Date Received: 2/26/2018

Field Sample #: P10A

Sampled: 2/19/2018 13:25

Sample ID: 18B1049-05

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.46	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 0:34	KAL
Aroclor-1221 [1]	ND	0.46	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 0:34	KAL
Aroclor-1232 [1]	ND	0.46	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 0:34	KAL
Aroclor-1242 [1]	ND	0.46	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 0:34	KAL
Aroclor-1248 [1]	ND	0.46	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 0:34	KAL
Aroclor-1254 [2]	2.2	0.46	mg/Kg	1	P-01	SW-846 8082A	2/27/18	3/3/18 0:34	KAL
Aroclor-1260 [1]	2.7	0.46	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 0:34	KAL
Aroclor-1262 [1]	ND	0.46	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 0:34	KAL
Aroclor-1268 [2]	1.1	0.46	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 0:34	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	66.1	30-150							
Decachlorobiphenyl [2]	68.8	30-150							
Tetrachloro-m-xylene [1]	68.3	30-150							
Tetrachloro-m-xylene [2]	73.9	30-150							

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

Project Location: English Station-Boiler 1-12 Area,

Sample Description: 1st Fl,Fan Room

Work Order: 18B1049

Date Received: 2/26/2018

Field Sample #: P10B

Sampled: 2/19/2018 13:30

Sample ID: 18B1049-06

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.45	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 0:52	KAL
Aroclor-1221 [1]	ND	0.45	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 0:52	KAL
Aroclor-1232 [1]	ND	0.45	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 0:52	KAL
Aroclor-1242 [1]	ND	0.45	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 0:52	KAL
Aroclor-1248 [1]	ND	0.45	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 0:52	KAL
Aroclor-1254 [1]	3.4	0.45	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 0:52	KAL
Aroclor-1260 [1]	2.0	0.45	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 0:52	KAL
Aroclor-1262 [1]	ND	0.45	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 0:52	KAL
Aroclor-1268 [2]	0.92	0.45	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 0:52	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	41.3	30-150						3/3/18 0:52	
Decachlorobiphenyl [2]	43.2	30-150						3/3/18 0:52	
Tetrachloro-m-xylene [1]	42.6	30-150						3/3/18 0:52	
Tetrachloro-m-xylene [2]	47.0	30-150						3/3/18 0:52	

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

Project Location: English Station-Boiler 1-12 Area,

Sample Description: 1st Fl; Fan Rm.

Work Order: 18B1049

Date Received: 2/26/2018

Field Sample #: P10C

Sampled: 2/19/2018 13:35

Sample ID: 18B1049-07

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.47	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 1:09	KAL
Aroclor-1221 [1]	ND	0.47	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 1:09	KAL
Aroclor-1232 [1]	ND	0.47	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 1:09	KAL
Aroclor-1242 [1]	ND	0.47	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 1:09	KAL
Aroclor-1248 [1]	ND	0.47	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 1:09	KAL
Aroclor-1254 [2]	2.1	0.47	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 1:09	KAL
Aroclor-1260 [1]	2.8	0.47	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 1:09	KAL
Aroclor-1262 [1]	ND	0.47	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 1:09	KAL
Aroclor-1268 [2]	1.2	0.47	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 1:09	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	73.6	30-150							
Decachlorobiphenyl [2]	56.7	30-150							
Tetrachloro-m-xylene [1]	57.0	30-150							
Tetrachloro-m-xylene [2]	61.4	30-150							

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

Project Location: English Station-Boiler 1-12 Area,

Sample Description: 1st Fl;North Hall

Work Order: 18B1049

Date Received: 2/26/2018

Field Sample #: P11A

Sampled: 2/16/2018 14:20

Sample ID: 18B1049-08

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 1:27	KAL
Aroclor-1221 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 1:27	KAL
Aroclor-1232 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 1:27	KAL
Aroclor-1242 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 1:27	KAL
Aroclor-1248 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 1:27	KAL
Aroclor-1254 [1]	1.5	0.48	mg/Kg	1	P-01	SW-846 8082A	2/27/18	3/3/18 1:27	KAL
Aroclor-1260 [1]	2.8	0.48	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 1:27	KAL
Aroclor-1262 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 1:27	KAL
Aroclor-1268 [1]	0.73	0.48	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 1:27	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	86.7	30-150						3/3/18 1:27	
Decachlorobiphenyl [2]	88.1	30-150						3/3/18 1:27	
Tetrachloro-m-xylene [1]	93.6	30-150						3/3/18 1:27	
Tetrachloro-m-xylene [2]	94.2	30-150						3/3/18 1:27	

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

Project Location: English Station-Boiler 1-12 Area,

Sample Description: 1st Fl;NE Hall-North

Work Order: 18B1049

Date Received: 2/26/2018

Field Sample #: P12A

Sampled: 2/16/2018 14:25

Sample ID: 18B1049-09

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.38	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 1:45	KAL
Aroclor-1221 [1]	ND	0.38	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 1:45	KAL
Aroclor-1232 [1]	ND	0.38	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 1:45	KAL
Aroclor-1242 [1]	ND	0.38	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 1:45	KAL
Aroclor-1248 [1]	ND	0.38	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 1:45	KAL
Aroclor-1254 [1]	2.2	0.38	mg/Kg	1	P-01	SW-846 8082A	2/27/18	3/3/18 1:45	KAL
Aroclor-1260 [1]	3.3	0.38	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 1:45	KAL
Aroclor-1262 [1]	ND	0.38	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 1:45	KAL
Aroclor-1268 [2]	1.2	0.38	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 1:45	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	84.9	30-150						3/3/18 1:45	
Decachlorobiphenyl [2]	85.8	30-150						3/3/18 1:45	
Tetrachloro-m-xylene [1]	94.1	30-150						3/3/18 1:45	
Tetrachloro-m-xylene [2]	95.2	30-150						3/3/18 1:45	

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

Project Location: English Station-Boiler 1-12 Area,

Sample Description: 1st Fl;NE Hall-Center

Work Order: 18B1049

Date Received: 2/26/2018

Field Sample #: P12B

Sampled: 2/16/2018 14:30

Sample ID: 18B1049-10

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.40	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 2:03	KAL
Aroclor-1221 [1]	ND	0.40	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 2:03	KAL
Aroclor-1232 [1]	ND	0.40	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 2:03	KAL
Aroclor-1242 [1]	ND	0.40	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 2:03	KAL
Aroclor-1248 [1]	ND	0.40	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 2:03	KAL
Aroclor-1254 [1]	1.5	0.40	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 2:03	KAL
Aroclor-1260 [1]	2.3	0.40	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 2:03	KAL
Aroclor-1262 [1]	ND	0.40	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 2:03	KAL
Aroclor-1268 [1]	0.75	0.40	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 2:03	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	94.8	30-150						3/3/18 2:03	
Decachlorobiphenyl [2]	94.8	30-150						3/3/18 2:03	
Tetrachloro-m-xylene [1]	91.8	30-150						3/3/18 2:03	
Tetrachloro-m-xylene [2]	93.0	30-150						3/3/18 2:03	

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

Project Location: English Station-Boiler 1-12 Area,

Sample Description: 1st Fl;NE Hall-South

Work Order: 18B1049

Date Received: 2/26/2018

Field Sample #: P12C

Sampled: 2/16/2018 14:35

Sample ID: 18B1049-11

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.42	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 4:06	KAL
Aroclor-1221 [1]	ND	0.42	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 4:06	KAL
Aroclor-1232 [1]	ND	0.42	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 4:06	KAL
Aroclor-1242 [1]	ND	0.42	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 4:06	KAL
Aroclor-1248 [1]	ND	0.42	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 4:06	KAL
Aroclor-1254 [1]	2.3	0.42	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 4:06	KAL
Aroclor-1260 [1]	3.0	0.42	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 4:06	KAL
Aroclor-1262 [1]	ND	0.42	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 4:06	KAL
Aroclor-1268 [1]	0.62	0.42	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 4:06	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	87.1	30-150						3/3/18 4:06	
Decachlorobiphenyl [2]	86.6	30-150						3/3/18 4:06	
Tetrachloro-m-xylene [1]	96.6	30-150						3/3/18 4:06	
Tetrachloro-m-xylene [2]	95.7	30-150						3/3/18 4:06	

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

Project Location: English Station-Boiler 1-12 Area,

Sample Description: 1st Fl;NE Hall

Work Order: 18B1049

Date Received: 2/26/2018

Field Sample #: P13A

Sampled: 2/16/2018 15:10

Sample ID: 18B1049-12

Sample Matrix: Paint

Polychlorinated 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	1		SW-846 8082A	2/27/18	3/3/18 4:24	KAL
Aroclor-1221 [1]	ND	0.50	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 4:24	KAL
Aroclor-1232 [1]	ND	0.50	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 4:24	KAL
Aroclor-1242 [1]	ND	0.50	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 4:24	KAL
Aroclor-1248 [1]	ND	0.50	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 4:24	KAL
Aroclor-1254 [1]	2.5	0.50	mg/Kg	1	P-01	SW-846 8082A	2/27/18	3/3/18 4:24	KAL
Aroclor-1260 [1]	5.0	0.50	mg/Kg	1	P-01	SW-846 8082A	2/27/18	3/3/18 4:24	KAL
Aroclor-1262 [1]	ND	0.50	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 4:24	KAL
Aroclor-1268 [1]	1.5	0.50	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 4:24	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	89.9	30-150						3/3/18 4:24	
Decachlorobiphenyl [2]	89.6	30-150						3/3/18 4:24	
Tetrachloro-m-xylene [1]	94.5	30-150						3/3/18 4:24	
Tetrachloro-m-xylene [2]	92.9	30-150						3/3/18 4:24	

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

Project Location: English Station-Boiler 1-12 Area,

Sample Description: 1st Fl;Bath (North)

Work Order: 18B1049

Date Received: 2/26/2018

Field Sample #: P14A

Sampled: 2/16/2018 15:10

Sample ID: 18B1049-13

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 4:42	KAL
Aroclor-1221 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 4:42	KAL
Aroclor-1232 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 4:42	KAL
Aroclor-1242 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 4:42	KAL
Aroclor-1248 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 4:42	KAL
Aroclor-1254 [2]	2.3	0.49	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 4:42	KAL
Aroclor-1260 [1]	1.7	0.49	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 4:42	KAL
Aroclor-1262 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 4:42	KAL
Aroclor-1268 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 4:42	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	98.1	30-150							
Decachlorobiphenyl [2]	96.3	30-150							
Tetrachloro-m-xylene [1]	95.7	30-150							
Tetrachloro-m-xylene [2]	94.4	30-150							

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

Project Location: English Station-Boiler 1-12 Area,

Sample Description: 1st Fl;Bath (Center)

Work Order: 18B1049

Date Received: 2/26/2018

Field Sample #: P14B

Sampled: 2/16/2018 15:15

Sample ID: 18B1049-14

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.41	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 5:00	KAL
Aroclor-1221 [1]	ND	0.41	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 5:00	KAL
Aroclor-1232 [1]	ND	0.41	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 5:00	KAL
Aroclor-1242 [1]	ND	0.41	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 5:00	KAL
Aroclor-1248 [1]	ND	0.41	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 5:00	KAL
Aroclor-1254 [1]	2.4	0.41	mg/Kg	1	P-01	SW-846 8082A	2/27/18	3/3/18 5:00	KAL
Aroclor-1260 [1]	1.3	0.41	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 5:00	KAL
Aroclor-1262 [1]	ND	0.41	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 5:00	KAL
Aroclor-1268 [1]	ND	0.41	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 5:00	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	90.9	30-150							
Decachlorobiphenyl [2]	90.5	30-150							
Tetrachloro-m-xylene [1]	101	30-150							
Tetrachloro-m-xylene [2]	98.4	30-150							

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

Project Location: English Station-Boiler 1-12 Area,

Sample Description: 1st Fl;Bath (South)

Work Order: 18B1049

Date Received: 2/26/2018

Field Sample #: P14C

Sampled: 2/16/2018 15:20

Sample ID: 18B1049-15

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.43	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 5:18	KAL
Aroclor-1221 [1]	ND	0.43	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 5:18	KAL
Aroclor-1232 [1]	ND	0.43	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 5:18	KAL
Aroclor-1242 [1]	ND	0.43	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 5:18	KAL
Aroclor-1248 [1]	ND	0.43	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 5:18	KAL
Aroclor-1254 [1]	3.6	0.43	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 5:18	KAL
Aroclor-1260 [1]	3.7	0.43	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 5:18	KAL
Aroclor-1262 [1]	ND	0.43	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 5:18	KAL
Aroclor-1268 [1]	0.60	0.43	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 5:18	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	88.8	30-150						3/3/18 5:18	
Decachlorobiphenyl [2]	91.8	30-150						3/3/18 5:18	
Tetrachloro-m-xylene [1]	93.1	30-150						3/3/18 5:18	
Tetrachloro-m-xylene [2]	98.4	30-150						3/3/18 5:18	

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

Project Location: English Station-Boiler 1-12 Area,

Sample Description: 1st Fl;Bath (South)

Work Order: 18B1049

Date Received: 2/26/2018

Field Sample #: P15A

Sampled: 2/16/2018 15:25

Sample ID: 18B1049-16

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.46	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 5:35	KAL
Aroclor-1221 [1]	ND	0.46	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 5:35	KAL
Aroclor-1232 [1]	ND	0.46	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 5:35	KAL
Aroclor-1242 [1]	ND	0.46	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 5:35	KAL
Aroclor-1248 [1]	ND	0.46	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 5:35	KAL
Aroclor-1254 [1]	0.62	0.46	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 5:35	KAL
Aroclor-1260 [2]	0.67	0.46	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 5:35	KAL
Aroclor-1262 [1]	ND	0.46	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 5:35	KAL
Aroclor-1268 [1]	ND	0.46	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 5:35	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	99.9	30-150							
Decachlorobiphenyl [2]	99.4	30-150							
Tetrachloro-m-xylene [1]	96.6	30-150							
Tetrachloro-m-xylene [2]	96.4	30-150							

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

Project Location: English Station-Boiler 1-12 Area,

Sample Description: 1st Fl;Bath (South)

Work Order: 18B1049

Date Received: 2/26/2018

Field Sample #: P15B

Sampled: 2/16/2018 15:30

Sample ID: 18B1049-17

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.41	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 5:53	KAL
Aroclor-1221 [1]	ND	0.41	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 5:53	KAL
Aroclor-1232 [1]	ND	0.41	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 5:53	KAL
Aroclor-1242 [1]	ND	0.41	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 5:53	KAL
Aroclor-1248 [1]	ND	0.41	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 5:53	KAL
Aroclor-1254 [2]	0.63	0.41	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 5:53	KAL
Aroclor-1260 [1]	0.48	0.41	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 5:53	KAL
Aroclor-1262 [1]	ND	0.41	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 5:53	KAL
Aroclor-1268 [1]	ND	0.41	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 5:53	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	53.6	30-150							
Decachlorobiphenyl [2]	55.2	30-150							
Tetrachloro-m-xylene [1]	57.5	30-150							
Tetrachloro-m-xylene [2]	58.6	30-150							

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

Project Location: English Station-Boiler 1-12 Area,

Sample Description: 1st Fl;Bath (South)

Work Order: 18B1049

Date Received: 2/26/2018

Field Sample #: P15C

Sampled: 2/16/2018 15:35

Sample ID: 18B1049-18

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.39	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 6:11	KAL
Aroclor-1221 [1]	ND	0.39	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 6:11	KAL
Aroclor-1232 [1]	ND	0.39	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 6:11	KAL
Aroclor-1242 [1]	ND	0.39	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 6:11	KAL
Aroclor-1248 [1]	ND	0.39	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 6:11	KAL
Aroclor-1254 [1]	1.1	0.39	mg/Kg	1	P-01	SW-846 8082A	2/27/18	3/3/18 6:11	KAL
Aroclor-1260 [1]	0.92	0.39	mg/Kg	1	P-01	SW-846 8082A	2/27/18	3/3/18 6:11	KAL
Aroclor-1262 [1]	ND	0.39	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 6:11	KAL
Aroclor-1268 [1]	ND	0.39	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 6:11	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	89.0	30-150						3/3/18 6:11	
Decachlorobiphenyl [2]	89.3	30-150						3/3/18 6:11	
Tetrachloro-m-xylene [1]	96.6	30-150						3/3/18 6:11	
Tetrachloro-m-xylene [2]	95.1	30-150						3/3/18 6:11	

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

Project Location: English Station-Boiler 1-12 Area,

Sample Description: 1st Fl;Bath Ceiling

Work Order: 18B1049

Date Received: 2/26/2018

Field Sample #: P16A

Sampled: 2/19/2018 10:45

Sample ID: 18B1049-19

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.41	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 6:29	KAL
Aroclor-1221 [1]	ND	0.41	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 6:29	KAL
Aroclor-1232 [1]	ND	0.41	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 6:29	KAL
Aroclor-1242 [1]	ND	0.41	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 6:29	KAL
Aroclor-1248 [1]	ND	0.41	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 6:29	KAL
Aroclor-1254 [1]	1.3	0.41	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 6:29	KAL
Aroclor-1260 [1]	1.5	0.41	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 6:29	KAL
Aroclor-1262 [1]	ND	0.41	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 6:29	KAL
Aroclor-1268 [1]	ND	0.41	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 6:29	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	89.3	30-150						3/3/18 6:29	
Decachlorobiphenyl [2]	87.6	30-150						3/3/18 6:29	
Tetrachloro-m-xylene [1]	95.3	30-150						3/3/18 6:29	
Tetrachloro-m-xylene [2]	93.7	30-150						3/3/18 6:29	

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

Project Location: English Station-Boiler 1-12 Area,

Sample Description: 1st Fl;Bath Ceiling

Work Order: 18B1049

Date Received: 2/26/2018

Field Sample #: P16B

Sampled: 2/19/2018 10:55

Sample ID: 18B1049-20

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.43	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 6:47	KAL
Aroclor-1221 [1]	ND	0.43	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 6:47	KAL
Aroclor-1232 [1]	ND	0.43	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 6:47	KAL
Aroclor-1242 [1]	ND	0.43	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 6:47	KAL
Aroclor-1248 [1]	ND	0.43	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 6:47	KAL
Aroclor-1254 [1]	1.5	0.43	mg/Kg	1	P-01	SW-846 8082A	2/27/18	3/3/18 6:47	KAL
Aroclor-1260 [1]	1.1	0.43	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 6:47	KAL
Aroclor-1262 [1]	ND	0.43	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 6:47	KAL
Aroclor-1268 [1]	ND	0.43	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 6:47	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	99.1	30-150							
Decachlorobiphenyl [2]	96.8	30-150							
Tetrachloro-m-xylene [1]	107	30-150							
Tetrachloro-m-xylene [2]	105	30-150							

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

Project Location: English Station-Boiler 1-12 Area,

Sample Description: 1st Fl;Bath Ceiling

Work Order: 18B1049

Date Received: 2/26/2018

Field Sample #: P16C

Sampled: 2/19/2018 11:05

Sample ID: 18B1049-21

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 22:07	KAL
Aroclor-1221 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 22:07	KAL
Aroclor-1232 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 22:07	KAL
Aroclor-1242 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 22:07	KAL
Aroclor-1248 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 22:07	KAL
Aroclor-1254 [2]	1.6	0.49	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 22:07	KAL
Aroclor-1260 [1]	1.5	0.49	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 22:07	KAL
Aroclor-1262 [2]	ND	0.49	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 22:07	KAL
Aroclor-1268 [2]	ND	0.49	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 22:07	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	89.2	30-150							
Decachlorobiphenyl [2]	88.8	30-150							
Tetrachloro-m-xylene [1]	92.0	30-150							
Tetrachloro-m-xylene [2]	91.4	30-150							

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

Project Location: English Station-Boiler 1-12 Area,

Sample Description: 1st Fl;Bath Ceiling

Work Order: 18B1049

Date Received: 2/26/2018

Field Sample #: P17A

Sampled: 2/16/2018 15:45

Sample ID: 18B1049-22

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	4.9	mg/Kg	10		SW-846 8082A	2/27/18	3/2/18 22:25	KAL
Aroclor-1221 [1]	ND	4.9	mg/Kg	10		SW-846 8082A	2/27/18	3/2/18 22:25	KAL
Aroclor-1232 [1]	ND	4.9	mg/Kg	10		SW-846 8082A	2/27/18	3/2/18 22:25	KAL
Aroclor-1242 [1]	ND	4.9	mg/Kg	10		SW-846 8082A	2/27/18	3/2/18 22:25	KAL
Aroclor-1248 [1]	ND	4.9	mg/Kg	10		SW-846 8082A	2/27/18	3/2/18 22:25	KAL
Aroclor-1254 [1]	14	4.9	mg/Kg	10		SW-846 8082A	2/27/18	3/2/18 22:25	KAL
Aroclor-1260 [2]	17	4.9	mg/Kg	10		SW-846 8082A	2/27/18	3/2/18 22:25	KAL
Aroclor-1262 [2]	ND	4.9	mg/Kg	10		SW-846 8082A	2/27/18	3/2/18 22:25	KAL
Aroclor-1268 [1]	ND	4.9	mg/Kg	10		SW-846 8082A	2/27/18	3/2/18 22:25	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	87.6	30-150						3/2/18 22:25	
Decachlorobiphenyl [2]	92.9	30-150						3/2/18 22:25	
Tetrachloro-m-xylene [1]	77.9	30-150						3/2/18 22:25	
Tetrachloro-m-xylene [2]	91.6	30-150						3/2/18 22:25	

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
18B1049-21 [P16C]	B197751	0.206	10.0	02/27/18
18B1049-22 [P17A]	B197751	0.204	10.0	02/27/18

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18B1049-01 [P8A]	B197752	0.252	10.0	02/27/18
18B1049-02 [P8B]	B197752	0.236	10.0	02/27/18
18B1049-03 [P9A]	B197752	0.243	10.0	02/27/18
18B1049-04 [P9B]	B197752	0.215	10.0	02/27/18
18B1049-05 [P10A]	B197752	0.219	10.0	02/27/18
18B1049-06 [P10B]	B197752	0.223	10.0	02/27/18
18B1049-07 [P10C]	B197752	0.211	10.0	02/27/18
18B1049-08 [P11A]	B197752	0.209	10.0	02/27/18
18B1049-09 [P12A]	B197752	0.266	10.0	02/27/18
18B1049-10 [P12B]	B197752	0.250	10.0	02/27/18
18B1049-11 [P12C]	B197752	0.240	10.0	02/27/18
18B1049-12 [P13A]	B197752	0.201	10.0	02/27/18
18B1049-13 [P14A]	B197752	0.204	10.0	02/27/18
18B1049-14 [P14B]	B197752	0.247	10.0	02/27/18
18B1049-15 [P14C]	B197752	0.233	10.0	02/27/18
18B1049-16 [P15A]	B197752	0.218	10.0	02/27/18
18B1049-17 [P15B]	B197752	0.245	10.0	02/27/18
18B1049-18 [P15C]	B197752	0.255	10.0	02/27/18
18B1049-19 [P16A]	B197752	0.242	10.0	02/27/18
18B1049-20 [P16B]	B197752	0.232	10.0	02/27/18

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

QUALITY CONTROL
Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B197751 - SW-846 3540C
Blank (B197751-BLK1)

Prepared: 02/27/18 Analyzed: 03/02/18

Aroclor-1016	ND	0.50	mg/Kg							
Aroclor-1016 [2C]	ND	0.50	mg/Kg							
Aroclor-1221	ND	0.50	mg/Kg							
Aroclor-1221 [2C]	ND	0.50	mg/Kg							
Aroclor-1232	ND	0.50	mg/Kg							
Aroclor-1232 [2C]	ND	0.50	mg/Kg							
Aroclor-1242	ND	0.50	mg/Kg							
Aroclor-1242 [2C]	ND	0.50	mg/Kg							
Aroclor-1248	ND	0.50	mg/Kg							
Aroclor-1248 [2C]	ND	0.50	mg/Kg							
Aroclor-1254	ND	0.50	mg/Kg							
Aroclor-1254 [2C]	ND	0.50	mg/Kg							
Aroclor-1260	ND	0.50	mg/Kg							
Aroclor-1260 [2C]	ND	0.50	mg/Kg							
Aroclor-1262	ND	0.50	mg/Kg							
Aroclor-1262 [2C]	ND	0.50	mg/Kg							
Aroclor-1268	ND	0.50	mg/Kg							
Aroclor-1268 [2C]	ND	0.50	mg/Kg							
Surrogate: Decachlorobiphenyl	9.92		mg/Kg	10.0		99.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	9.53		mg/Kg	10.0		95.3	30-150			
Surrogate: Tetrachloro-m-xylene	9.82		mg/Kg	10.0		98.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	9.57		mg/Kg	10.0		95.7	30-150			

LCS (B197751-BS1)

Prepared: 02/27/18 Analyzed: 03/02/18

Aroclor-1016	3.0	0.50	mg/Kg	2.50		120	40-140			
Aroclor-1016 [2C]	2.8	0.50	mg/Kg	2.50		114	40-140			
Aroclor-1260	2.6	0.50	mg/Kg	2.50		102	40-140			
Aroclor-1260 [2C]	2.5	0.50	mg/Kg	2.50		99.6	40-140			
Surrogate: Decachlorobiphenyl	10.6		mg/Kg	10.0		106	30-150			
Surrogate: Decachlorobiphenyl [2C]	10.3		mg/Kg	10.0		103	30-150			
Surrogate: Tetrachloro-m-xylene	10.6		mg/Kg	10.0		106	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	10.3		mg/Kg	10.0		103	30-150			

LCS Dup (B197751-BSD1)

Prepared: 02/27/18 Analyzed: 03/02/18

Aroclor-1016	2.7	0.50	mg/Kg	2.50		109	40-140	9.42	30	
Aroclor-1016 [2C]	2.8	0.50	mg/Kg	2.50		113	40-140	0.844	30	
Aroclor-1260	2.5	0.50	mg/Kg	2.50		101	40-140	0.977	30	
Aroclor-1260 [2C]	2.5	0.50	mg/Kg	2.50		102	40-140	2.32	30	
Surrogate: Decachlorobiphenyl	9.95		mg/Kg	10.0		99.5	30-150			
Surrogate: Decachlorobiphenyl [2C]	9.69		mg/Kg	10.0		96.9	30-150			
Surrogate: Tetrachloro-m-xylene	9.92		mg/Kg	10.0		99.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	9.66		mg/Kg	10.0		96.6	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
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B197752 - SW-846 3540C
Blank (B197752-BLK1)

Prepared: 02/27/18 Analyzed: 03/02/18

Aroclor-1016	ND	0.50	mg/Kg							
Aroclor-1016 [2C]	ND	0.50	mg/Kg							
Aroclor-1221	ND	0.50	mg/Kg							
Aroclor-1221 [2C]	ND	0.50	mg/Kg							
Aroclor-1232	ND	0.50	mg/Kg							
Aroclor-1232 [2C]	ND	0.50	mg/Kg							
Aroclor-1242	ND	0.50	mg/Kg							
Aroclor-1242 [2C]	ND	0.50	mg/Kg							
Aroclor-1248	ND	0.50	mg/Kg							
Aroclor-1248 [2C]	ND	0.50	mg/Kg							
Aroclor-1254	ND	0.50	mg/Kg							
Aroclor-1254 [2C]	ND	0.50	mg/Kg							
Aroclor-1260	ND	0.50	mg/Kg							
Aroclor-1260 [2C]	ND	0.50	mg/Kg							
Aroclor-1262	ND	0.50	mg/Kg							
Aroclor-1262 [2C]	ND	0.50	mg/Kg							
Aroclor-1268	ND	0.50	mg/Kg							
Aroclor-1268 [2C]	ND	0.50	mg/Kg							
Surrogate: Decachlorobiphenyl	10.3		mg/Kg	10.0		103	30-150			
Surrogate: Decachlorobiphenyl [2C]	10.1		mg/Kg	10.0		101	30-150			
Surrogate: Tetrachloro-m-xylene	10.3		mg/Kg	10.0		103	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	10.2		mg/Kg	10.0		102	30-150			

LCS (B197752-BS1)

Prepared: 02/27/18 Analyzed: 03/02/18

Aroclor-1016	1.4	0.50	mg/Kg	2.50		54.8	40-140			
Aroclor-1016 [2C]	1.7	0.50	mg/Kg	2.50		67.4	40-140			
Aroclor-1260	1.9	0.50	mg/Kg	2.50		77.7	40-140			
Aroclor-1260 [2C]	1.9	0.50	mg/Kg	2.50		75.6	40-140			
Surrogate: Decachlorobiphenyl	8.96		mg/Kg	10.0		89.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	8.78		mg/Kg	10.0		87.8	30-150			
Surrogate: Tetrachloro-m-xylene	4.22		mg/Kg	10.0		42.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	4.23		mg/Kg	10.0		42.3	30-150			

LCS Dup (B197752-BSD1)

Prepared: 02/27/18 Analyzed: 03/02/18

Aroclor-1016	1.6	0.50	mg/Kg	2.50		62.9	40-140	13.7	30	
Aroclor-1016 [2C]	1.7	0.50	mg/Kg	2.50		69.7	40-140	3.39	30	
Aroclor-1260	2.1	0.50	mg/Kg	2.50		83.9	40-140	7.68	30	
Aroclor-1260 [2C]	2.0	0.50	mg/Kg	2.50		81.5	40-140	7.55	30	
Surrogate: Decachlorobiphenyl	9.20		mg/Kg	10.0		92.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	9.16		mg/Kg	10.0		91.6	30-150			
Surrogate: Tetrachloro-m-xylene	3.68		mg/Kg	10.0		36.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	3.78		mg/Kg	10.0		37.8	30-150			

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

P8A

Lab Sample ID: 18B1049-01 Date(s) Analyzed: 03/02/2018 03/02/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	1.6	
	2	0.000	0.000	0.000	0.92	54.0
Aroclor-1260	1	0.000	0.000	0.000	3.7	
	2	0.000	0.000	0.000	2.2	50.8
Aroclor-1268	1	0.000	0.000	0.000	1.1	
	2	0.000	0.000	0.000	1.1	0.0

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

P8B

Lab Sample ID: 18B1049-02 Date(s) Analyzed: 03/02/2018 03/02/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	2.0	
	2	0.000	0.000	0.000	1.2	50.0
Aroclor-1260	1	0.000	0.000	0.000	3.3	
	2	0.000	0.000	0.000	2.0	49.1
Aroclor-1268	1	0.000	0.000	0.000	1.3	
	2	0.000	0.000	0.000	1.5	14.3

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

P9A

Lab Sample ID: 18B1049-03 Date(s) Analyzed: 03/02/2018 03/02/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	3.3	
	2	0.000	0.000	0.000	1.8	58.8
Aroclor-1260	1	0.000	0.000	0.000	4.1	
	2	0.000	0.000	0.000	2.2	60.3
Aroclor-1268	1	0.000	0.000	0.000	2.0	
	2	0.000	0.000	0.000	1.9	5.1

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

P9B

Lab Sample ID: 18B1049-04 Date(s) Analyzed: 03/03/2018 03/03/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	2.7	
	2	0.000	0.000	0.000	1.7	45.5
Aroclor-1260	1	0.000	0.000	0.000	3.9	
	2	0.000	0.000	0.000	2.4	47.6
Aroclor-1268	1	0.000	0.000	0.000	1.1	
	2	0.000	0.000	0.000	1.2	8.7

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

P10A

Lab Sample ID: 18B1049-05 Date(s) Analyzed: 03/03/2018 03/03/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	1.4	
	2	0.000	0.000	0.000	2.2	44.4
Aroclor-1260	1	0.000	0.000	0.000	2.7	
	2	0.000	0.000	0.000	1.9	34.8
Aroclor-1268	1	0.000	0.000	0.000	0.91	
	2	0.000	0.000	0.000	1.1	18.9

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

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

P10B

Lab Sample ID: 18B1049-06 Date(s) Analyzed: 03/03/2018 03/03/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	3.4	
	2	0.000	0.000	0.000	2.9	15.9
Aroclor-1260	1	0.000	0.000	0.000	2.0	
	2	0.000	0.000	0.000	1.5	28.6
Aroclor-1268	1	0.000	0.000	0.000	0.69	
	2	0.000	0.000	0.000	0.92	28.6

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

P10C

Lab Sample ID: 18B1049-07 Date(s) Analyzed: 03/03/2018 03/03/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	1.8	
	2	0.000	0.000	0.000	2.1	15.4
Aroclor-1260	1	0.000	0.000	0.000	2.8	
	2	0.000	0.000	0.000	2.1	28.6
Aroclor-1268	1	0.000	0.000	0.000	1.1	
	2	0.000	0.000	0.000	1.2	8.7

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

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

P11A

Lab Sample ID: 18B1049-08 Date(s) Analyzed: 03/03/2018 03/03/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	1.5	
	2	0.000	0.000	0.000	0.90	50.0
Aroclor-1260	1	0.000	0.000	0.000	2.8	
	2	0.000	0.000	0.000	2.2	24.0
Aroclor-1268	1	0.000	0.000	0.000	0.73	
	2	0.000	0.000	0.000	0.72	1.4

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

P12A

Lab Sample ID: 18B1049-09 Date(s) Analyzed: 03/03/2018 03/03/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	2.2	
	2	0.000	0.000	0.000	1.4	44.4
Aroclor-1260	1	0.000	0.000	0.000	3.3	
	2	0.000	0.000	0.000	2.3	35.7
Aroclor-1268	1	0.000	0.000	0.000	1.1	
	2	0.000	0.000	0.000	1.2	8.7

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

P12B

Lab Sample ID: 18B1049-10 Date(s) Analyzed: 03/03/2018 03/03/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	1.5	
	2	0.000	0.000	0.000	1.4	6.9
Aroclor-1260	1	0.000	0.000	0.000	2.3	
	2	0.000	0.000	0.000	1.6	35.9
Aroclor-1268	1	0.000	0.000	0.000	0.75	
	2	0.000	0.000	0.000	0.73	2.7

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

P12C

Lab Sample ID: 18B1049-11 Date(s) Analyzed: 03/03/2018 03/03/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	2.3	
	2	0.000	0.000	0.000	2.1	9.1
Aroclor-1260	1	0.000	0.000	0.000	3.0	
	2	0.000	0.000	0.000	2.2	30.8
Aroclor-1268	1	0.000	0.000	0.000	0.62	
	2	0.000	0.000	0.000	0.59	5.0

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

P13A

Lab Sample ID: 18B1049-12 Date(s) Analyzed: 03/03/2018 03/03/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	2.5	
	2	0.000	0.000	0.000	1.7	41.9
Aroclor-1260	1	0.000	0.000	0.000	5.0	
	2	0.000	0.000	0.000	3.1	46.9
Aroclor-1268	1	0.000	0.000	0.000	1.5	
	2	0.000	0.000	0.000	1.4	6.9

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

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

P14A

Lab Sample ID: 18B1049-13 Date(s) Analyzed: 03/03/2018 03/03/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	2.3	
	2	0.000	0.000	0.000	2.3	0.0
Aroclor-1260	1	0.000	0.000	0.000	1.7	
	2	0.000	0.000	0.000	1.4	19.4

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES***SW-846 8082A***P14B**Lab Sample ID: 18B1049-14 Date(s) Analyzed: 03/03/2018 03/03/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	2.4	
	2	0.000	0.000	0.000	1.4	52.6
Aroclor-1260	1	0.000	0.000	0.000	1.3	
	2	0.000	0.000	0.000	0.98	28.1

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

P14C

Lab Sample ID: 18B1049-15 Date(s) Analyzed: 03/03/2018 03/03/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	3.6	
	2	0.000	0.000	0.000	2.4	40.0
Aroclor-1260	1	0.000	0.000	0.000	3.7	
	2	0.000	0.000	0.000	2.5	38.7
Aroclor-1268	1	0.000	0.000	0.000	0.60	
	2	0.000	0.000	0.000	0.59	1.7

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

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

P15A

Lab Sample ID: 18B1049-16 Date(s) Analyzed: 03/03/2018 03/03/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	0.62	
	2	0.000	0.000	0.000	0.52	17.5
Aroclor-1260	1	0.000	0.000	0.000	0.66	
	2	0.000	0.000	0.000	0.67	1.5

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES***SW-846 8082A***P15B**Lab Sample ID: 18B1049-17 Date(s) Analyzed: 03/03/2018 03/03/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	0.54	
	2	0.000	0.000	0.000	0.63	15.4

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

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

P15C

Lab Sample ID: 18B1049-18 Date(s) Analyzed: 03/03/2018 03/03/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	1.1	
	2	0.000	0.000	0.000	0.71	43.1
Aroclor-1260	1	0.000	0.000	0.000	0.92	
	2	0.000	0.000	0.000	0.61	40.5

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES***SW-846 8082A***P16A**Lab Sample ID: 18B1049-19 Date(s) Analyzed: 03/03/2018 03/03/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	1.3	
	2	0.000	0.000	0.000	1.1	24.0
Aroclor-1260	1	0.000	0.000	0.000	1.5	
	2	0.000	0.000	0.000	1.2	22.2

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

P16B

Lab Sample ID: 18B1049-20 Date(s) Analyzed: 03/03/2018 03/03/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	1.5	
	2	0.000	0.000	0.000	0.97	42.9
Aroclor-1260	1	0.000	0.000	0.000	1.1	
	2	0.000	0.000	0.000	1.1	8.7

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

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

P16C

Lab Sample ID: 18B1049-21 Date(s) Analyzed: 03/02/2018 03/02/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	1.4	
	2	0.000	0.000	0.000	1.6	13.3
Aroclor-1260	1	0.000	0.000	0.000	1.5	
	2	0.000	0.000	0.000	1.3	14.3

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

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

P17A

Lab Sample ID: 18B1049-22 Date(s) Analyzed: 03/02/2018 03/02/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	14	
	2	0.000	0.000	0.000	6.4	74.5
Aroclor-1260	1	0.000	0.000	0.000	16	
	2	0.000	0.000	0.000	17	6.1

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.
P-01	Result was confirmed using a dissimilar column. Relative percent difference between the two results was >40%. In accordance with the method, the higher result was reported.

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

CERTIFICATIONS

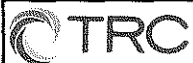
Certified Analyses included in this Report

Analyte	Certifications
---------	----------------

No certified Analyses included in this Report

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

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



21 GRIFFIN ROAD NORTH
WINDSOR, CONNECTICUT 06095
TELEPHONE (860) 298-9692
FAX (860) 298-6380

Edition: September 2007
Supersede Previous Edition

18B1049

CHAIN OF CUSTODY

PROJECT NUMBER		PROJECT NAME		PARAMETERS		CONTAINERS		LAB ID #.				
263951		English Station - Boiler 1-12 Area New Haven, CT						TURNAROUND TIME				
								x	Standard TAT 7-10 Days			
								Rush TAT	Date Needed:			
SIGNATURE		INSPECTOR										
		Mark Kearney/Gregory Kaczynski										
Lab ID:	SAMPLE ID:	DATE	TIME	TYPE		SAMPLE LOCATION	EPA 8082 (3540)	# of Amber Glass	# of Clear Glass	Matrix (X1=caulk/glaze X2=paint, X3=other solid)	Preservative	NOTES
				COMP	GRAB							
01	P8A	2/16/18	1220		X	1ST FL; NORTH HALL EAST	X		X	X2	---	
02	P8B	↓	1215		X	1ST FL; NORTH HALL EAST	X				---	
03	P9A	2/16/18	1405		X	1ST FL; NORTH HALL-CENTER	X				---	
04	P9B	↓	1410		X	1ST FL; NORTH HALL-CENTER	X				---	
05	P10A	2/19/18	1325		X	1ST FL; TEMP OIL ST. RM.	X				---	
06	P10B	↓	1330		X	1ST FL; FAN ROOM	X				---	
07	P10C	↓	1335		X	1ST FL; FAN ROOM	X				---	
08	P11A	2/16/18	1420		X	1ST FL; NORTH HALL	X				---	
09	P12A	2/16/18	1425		X	1ST FL; NE HALL-NORTH	X				---	
10	P12B	↓	1430		X	1ST FL; NE HALL-CENTER	X				---	
11	P12C	↓	1435		X	1ST FL; NE HALL-SOUTH	X		↓	↓	---	

Relinquished by: (Signature)	Date:	Received by: (Signature)	Relinquished by: (Signature)	Date:	Received by: (Signature)
	2/23/18			2/26/18 1700	
(Printed)	Time:	(Printed)	(Printed)	Time:	(Printed)
Gregory Kaczynski	1630				
Remarks: Report to: Include CT DPH RCP Report				Condition upon Receipt:	
				Page 3 of 8	



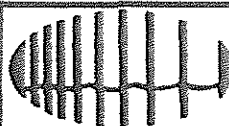
21 GRIFFIN ROAD NORTH
WINDSOR, CONNECTICUT 06095
TELEPHONE (860) 298-9692
FAX (860) 298-6380

Edition: September 2007
Supersede Previous Edition

18B1049
CHAIN OF CUSTODY

PROJECT NUMBER				PROJECT NAME				PARAMETERS	CONTAINERS				TURNAROUND TIME	
263951				English Station - Boiler 1-12 Area New Haven, CT									x Standard TAT 7-10 Days	
													Rush TAT	
SIGNATURE				INSPECTOR								NOTES		
				Mark Kearney/Gregory Kaczynski										
Lab ID:	SAMPLE ID:	DATE	TIME	TYPE		SAMPLE LOCATION	EPA 8082 (3540)	# of Amber Glass	# of Clear Glass	Matrix (X1= caulk/glaze X2= paint, X3=other solid)	Preservative			
				COMP	GRAB									
12	P13A	2/16/18	1510		X	1st flr - NE Hall	X		X	X2	---			
13	P14A		1510		X	- Bath (North)	X				---			
14	P14B		1515		X	- bath (center)	X				---			
15	P14C		1520		X	- " (south)	X				---			
16	P15A		1525		X	- "	X				---			
17	P15B		1530		X	- "	X				---			
18	P15C		1535		X	- "	X				---			
19	P16A	2/19/18	1045		X	- bath ceiling	X				---			
20	P16B		1055		X	- "	X				---			
21	P16C		1105		X	- "	X				---			
22	P17A	2/16/18	1545		X	- "	X				---			

Relinquished by: (Signature)	Date:	Received by: (Signature)	Relinquished by: (Signature)	Date:	Received by: (Signature)
	2/23/18	2/24/18 12	2/24/18 1700		2/26/18 1700 4.2
(Printed)	Time:	(Printed)	(Printed)	Time:	(Printed)
Gregory Kaczynski	1630				
Remarks: Report to: Include CT DPH RCP Report				Condition upon Receipt:	
				Page 4 of 9	


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 TJC
 Received By NAP Date 2/26/18 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 # 577 Actual Temp - 4.2
 By Blank # Actual Temp -

Was Custody Seal Intact? NA Were Samples Tampered with? NA
 Was COC Relinquished? T Does Chain Agree With Samples? T

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

Is COC in ink/ Legible? T Were samples received within holding time? T
 Did COC include all pertinent Information? Client T Analysis T Sampler Name T
 Project T ID's T Collection Dates/Times T

Are Sample labels filled out and legible? T
 Are there Lab to Filters? F Who was notified?
 Are there Rushes? F Who was notified?
 Are there Short Holds? F Who was notified?

Is there enough Volume? T
 Is there Headspace where applicable? F MS/MSD? F
 Proper Media/Containers Used? T Is splitting samples required? F
 Were trip blanks received? F On COC? F
 Do all samples have the proper pH? N/A Acid Base

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

Unused Media

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

Comments:



REASONABLE CONFIDENCE PROTOCOL LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory

Client: United Illuminating Company

Project Location: English Station-Boiler 1-12 Area, New Haven, CT

Project Number: 18B1049

Laboratory Sample ID(s):
18B1049-01 thru 18B1049-22

Sample Date(s):

02/16/2018,

02/19/2018

List RCP Methods Used:

SW-846 8082A

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

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

This form may not be altered and all questions must be answered.

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: Project Manager
Printed Name: Lisa A. Worthington
Date: 03/05/18
Name of Laboratory: Con-Test Analytical Laboratory

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

March 5, 2018

Chris Mocciae
United Illuminating Company
180 Marsh Hill Road
Orange, CT 06477

Project Location: English Station-Boiler 1-12 Area, New Haven, CT
Client Job Number:
Project Number: 263951
Laboratory Work Order Number: 18B1050

Enclosed are results of analyses for samples received by the laboratory on February 26, 2018. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jessica L. Hoffman
Project Manager

Table of Contents

Sample Summary	4
Case Narrative	5
Sample Results	6
18B1050-01	6
18B1050-02	7
18B1050-03	8
18B1050-04	9
18B1050-05	10
18B1050-06	11
18B1050-07	12
18B1050-08	13
18B1050-09	14
18B1050-10	15
18B1050-11	16
18B1050-12	17
18B1050-13	18
18B1050-14	19
18B1050-15	20
18B1050-16	21
18B1050-17	22
18B1050-18	23
18B1050-19	24
18B1050-20	25
18B1050-21	26
18B1050-22	27

Table of Contents (continued)

Sample Preparation Information	28
QC Data	29
Polychlorinated Biphenyls with 3540 Soxhlet Extraction	29
B197814	29
B197815	30
Dual Column RPD Report	31
Flag/Qualifier Summary	53
Certifications	54
Chain of Custody/Sample Receipt	55

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

United Illuminating Company
180 Marsh Hill Road
Orange, CT 06477
ATTN: Chris Moccia

REPORT DATE: 3/5/2018

PURCHASE ORDER NUMBER: 4500446141

PROJECT NUMBER: 263951

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 18B1050

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

PROJECT LOCATION: English Station-Boiler 1-12 Area, New Haven, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
P18A	18B1050-01	Paint	1st Fl;NW Hall	SW-846 8082A	
P19A	18B1050-02	Paint	1st Fl;Bath	SW-846 8082A	
P20A	18B1050-03	Paint	1st Fl;Temp Oil Stomp-West	SW-846 8082A	
P20B	18B1050-04	Paint	1st Fl;Temp Oil Stomp-North	SW-846 8082A	
P20C	18B1050-05	Paint	1st Fl;Temp Oil Stomp-East	SW-846 8082A	
P21A	18B1050-06	Paint	1st Fl;Fan Rm-NE	SW-846 8082A	
P21B	18B1050-07	Paint	1st Fl;Fan Room-East	SW-846 8082A	
P21C	18B1050-08	Paint	1st Fl;Fan Room-West	SW-846 8082A	
P22A	18B1050-09	Paint	1st Fl;Fan Room-Fan Motor	SW-846 8082A	
P22B	18B1050-10	Paint	1st Fl;Fan Room-Fan Motor	SW-846 8082A	
P22C	18B1050-11	Paint	1st Fl;Fan Room-Fan Duet	SW-846 8082A	
P23A	18B1050-12	Paint	1st Fl;Fan Room-N Fan Pad	SW-846 8082A	
P23B	18B1050-13	Paint	1st Fl;Fan Room-A-4 Fan Pad	SW-846 8082A	
P23C	18B1050-14	Paint	1st Fl;Fan Room-A-39 Fan Pad	SW-846 8082A	
P25A	18B1050-15	Paint	1st Fl;S. Fan Room-E Wall Lower	SW-846 8082A	
P25B	18B1050-16	Paint	1st Fl;SW Hall-E. Wall	SW-846 8082A	
P25C	18B1050-17	Paint	1st Fl;SW Hall-Partitiom Hall	SW-846 8082A	
P26A	18B1050-18	Paint	1st Fl;S. Fan Rm-S.Wall Upper	SW-846 8082A	
P26B	18B1050-19	Paint	1st Fl;SW Hall-NE Corner	SW-846 8082A	
P26C	18B1050-20	Paint	1st Fl;SW Hall-S Wall	SW-846 8082A	
P27A	18B1050-21	Paint	1st Fl;SW Hall	SW-846 8082A	
P27B	18B1050-22	Paint	1st Fl;SW Hall	SW-846 8082A	

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

CASE NARRATIVE SUMMARY

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

SW-846 8082A

Qualifications:

P-02

Sample RPD between primary and confirmatory analysis exceeded 40%. Per EPA method 8000, the lower value was reported due to obvious chromatographic interference on the column with the higher result.

Analyte & Samples(s) Qualified:

Aroclor-1242

18B1050-01[P18A], 18B1050-11[P22C], 18B1050-12[P23A], 18B1050-14[P23C]

Aroclor-1268 [2C]

18B1050-03[P20A], 18B1050-12[P23A]

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
Project Manager

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

Project Location: English Station-Boiler 1-12 Area,

Sample Description: 1st Fl;NW Hall

Work Order: 18B1050

Date Received: 2/26/2018

Field Sample #: P18A

Sampled: 2/19/2018 09:25

Sample ID: 18B1050-01

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.40	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 18:54	TG
Aroclor-1221 [1]	ND	0.40	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 18:54	TG
Aroclor-1232 [1]	ND	0.40	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 18:54	TG
Aroclor-1242 [1]	0.61	0.40	mg/Kg	1	P-02	SW-846 8082A	2/27/18	3/2/18 18:54	TG
Aroclor-1248 [1]	ND	0.40	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 18:54	TG
Aroclor-1254 [2]	3.0	0.40	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 18:54	TG
Aroclor-1260 [1]	3.4	0.40	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 18:54	TG
Aroclor-1262 [1]	ND	0.40	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 18:54	TG
Aroclor-1268 [1]	1.8	0.40	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 18:54	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	51.9	30-150							
Decachlorobiphenyl [2]	55.5	30-150							
Tetrachloro-m-xylene [1]	54.6	30-150							
Tetrachloro-m-xylene [2]	53.8	30-150							

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

Project Location: English Station-Boiler 1-12 Area,

Sample Description: 1st Fl;Bath

Work Order: 18B1050

Date Received: 2/26/2018

Field Sample #: P19A

Sampled: 2/19/2018 11:30

Sample ID: 18B1050-02

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.38	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 19:11	TG
Aroclor-1221 [1]	ND	0.38	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 19:11	TG
Aroclor-1232 [1]	ND	0.38	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 19:11	TG
Aroclor-1242 [2]	1.4	0.38	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 19:11	TG
Aroclor-1248 [1]	ND	0.38	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 19:11	TG
Aroclor-1254 [1]	0.80	0.38	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 19:11	TG
Aroclor-1260 [1]	1.0	0.38	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 19:11	TG
Aroclor-1262 [1]	ND	0.38	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 19:11	TG
Aroclor-1268 [2]	0.48	0.38	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 19:11	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	71.9	30-150							
Decachlorobiphenyl [2]	80.6	30-150							
Tetrachloro-m-xylene [1]	88.0	30-150							
Tetrachloro-m-xylene [2]	86.5	30-150							

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

Project Location: English Station-Boiler 1-12 Area,

Sample Description: 1st Fl;Temp Oil Stomp-West

Work Order: 18B1050

Date Received: 2/26/2018

Field Sample #: P20A

Sampled: 2/21/2018 11:40

Sample ID: 18B1050-03

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.39	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 19:29	TG
Aroclor-1221 [1]	ND	0.39	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 19:29	TG
Aroclor-1232 [1]	ND	0.39	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 19:29	TG
Aroclor-1242 [2]	0.51	0.39	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 19:29	TG
Aroclor-1248 [1]	ND	0.39	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 19:29	TG
Aroclor-1254 [2]	1.0	0.39	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 19:29	TG
Aroclor-1260 [2]	1.3	0.39	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 19:29	TG
Aroclor-1262 [1]	ND	0.39	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 19:29	TG
Aroclor-1268 [2]	0.66	0.39	mg/Kg	1	P-02	SW-846 8082A	2/27/18	3/2/18 19:29	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	83.3	30-150							
Decachlorobiphenyl [2]	88.1	30-150							
Tetrachloro-m-xylene [1]	80.8	30-150							
Tetrachloro-m-xylene [2]	81.3	30-150							

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

Project Location: English Station-Boiler 1-12 Area,

Sample Description: 1st Fl;Temp Oil Stomp-North

Work Order: 18B1050

Date Received: 2/26/2018

Field Sample #: P20B

Sampled: 2/21/2018 11:45

Sample ID: 18B1050-04

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.34	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 19:47	TG
Aroclor-1221 [1]	ND	0.34	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 19:47	TG
Aroclor-1232 [1]	ND	0.34	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 19:47	TG
Aroclor-1242 [2]	0.62	0.34	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 19:47	TG
Aroclor-1248 [1]	ND	0.34	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 19:47	TG
Aroclor-1254 [2]	0.82	0.34	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 19:47	TG
Aroclor-1260 [1]	0.96	0.34	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 19:47	TG
Aroclor-1262 [1]	ND	0.34	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 19:47	TG
Aroclor-1268 [1]	0.57	0.34	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 19:47	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	80.2	30-150							
Decachlorobiphenyl [2]	89.3	30-150							
Tetrachloro-m-xylene [1]	82.9	30-150							
Tetrachloro-m-xylene [2]	78.9	30-150							

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

Project Location: English Station-Boiler 1-12 Area,

Sample Description: 1st Fl;Temp Oil Stomp-East

Work Order: 18B1050

Date Received: 2/26/2018

Field Sample #: P20C

Sampled: 2/21/2018 11:50

Sample ID: 18B1050-05

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.45	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 20:04	TG
Aroclor-1221 [1]	ND	0.45	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 20:04	TG
Aroclor-1232 [1]	ND	0.45	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 20:04	TG
Aroclor-1242 [2]	1.0	0.45	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 20:04	TG
Aroclor-1248 [1]	ND	0.45	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 20:04	TG
Aroclor-1254 [2]	0.88	0.45	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 20:04	TG
Aroclor-1260 [2]	1.2	0.45	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 20:04	TG
Aroclor-1262 [1]	ND	0.45	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 20:04	TG
Aroclor-1268 [1]	0.56	0.45	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 20:04	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	75.0	30-150							
Decachlorobiphenyl [2]	83.6	30-150							
Tetrachloro-m-xylene [1]	77.4	30-150							
Tetrachloro-m-xylene [2]	75.9	30-150							

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

Project Location: English Station-Boiler 1-12 Area,

Sample Description: 1st Fl; Fan Rm-NE

Work Order: 18B1050

Date Received: 2/26/2018

Field Sample #: P21A

Sampled: 2/21/2018 10:00

Sample ID: 18B1050-06

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.36	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 20:22	TG
Aroclor-1221 [1]	ND	0.36	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 20:22	TG
Aroclor-1232 [1]	ND	0.36	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 20:22	TG
Aroclor-1242 [2]	2.0	0.36	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 20:22	TG
Aroclor-1248 [1]	ND	0.36	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 20:22	TG
Aroclor-1254 [2]	1.5	0.36	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 20:22	TG
Aroclor-1260 [2]	2.4	0.36	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 20:22	TG
Aroclor-1262 [1]	ND	0.36	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 20:22	TG
Aroclor-1268 [1]	1.3	0.36	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 20:22	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	83.0	30-150							
Decachlorobiphenyl [2]	92.5	30-150							
Tetrachloro-m-xylene [1]	86.0	30-150							
Tetrachloro-m-xylene [2]	85.3	30-150							

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

Project Location: English Station-Boiler 1-12 Area,

Sample Description: 1st Fl;Fan Room-East

Work Order: 18B1050

Date Received: 2/26/2018

Field Sample #: P21B

Sampled: 2/21/2018 10:10

Sample ID: 18B1050-07

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.39	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 20:40	TG
Aroclor-1221 [1]	ND	0.39	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 20:40	TG
Aroclor-1232 [1]	ND	0.39	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 20:40	TG
Aroclor-1242 [2]	0.96	0.39	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 20:40	TG
Aroclor-1248 [1]	ND	0.39	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 20:40	TG
Aroclor-1254 [2]	1.4	0.39	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 20:40	TG
Aroclor-1260 [2]	1.9	0.39	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 20:40	TG
Aroclor-1262 [1]	ND	0.39	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 20:40	TG
Aroclor-1268 [1]	1.6	0.39	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 20:40	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	69.4	30-150							
Decachlorobiphenyl [2]	77.2	30-150							
Tetrachloro-m-xylene [1]	83.6	30-150							
Tetrachloro-m-xylene [2]	81.3	30-150							

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

Project Location: English Station-Boiler 1-12 Area,

Sample Description: 1st Fl;Fan Room-West

Work Order: 18B1050

Date Received: 2/26/2018

Field Sample #: P21C

Sampled: 2/21/2018 09:50

Sample ID: 18B1050-08

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.38	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 20:58	TG
Aroclor-1221 [1]	ND	0.38	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 20:58	TG
Aroclor-1232 [1]	ND	0.38	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 20:58	TG
Aroclor-1242 [2]	0.67	0.38	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 20:58	TG
Aroclor-1248 [1]	ND	0.38	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 20:58	TG
Aroclor-1254 [1]	1.6	0.38	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 20:58	TG
Aroclor-1260 [1]	1.6	0.38	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 20:58	TG
Aroclor-1262 [1]	ND	0.38	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 20:58	TG
Aroclor-1268 [1]	ND	0.38	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 20:58	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	76.0	30-150							
Decachlorobiphenyl [2]	85.9	30-150							
Tetrachloro-m-xylene [1]	66.1	30-150							
Tetrachloro-m-xylene [2]	79.3	30-150							

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

Project Location: English Station-Boiler 1-12 Area,

Sample Description: 1st Fl;Fan Room-Fan Motor

Work Order: 18B1050

Date Received: 2/26/2018

Field Sample #: P22A

Sampled: 2/21/2018 11:00

Sample ID: 18B1050-09

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.45	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 21:15	TG
Aroclor-1221 [1]	ND	0.45	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 21:15	TG
Aroclor-1232 [1]	ND	0.45	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 21:15	TG
Aroclor-1242 [2]	2.2	0.45	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 21:15	TG
Aroclor-1248 [1]	ND	0.45	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 21:15	TG
Aroclor-1254 [2]	2.6	0.45	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 21:15	TG
Aroclor-1260 [1]	1.6	0.45	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 21:15	TG
Aroclor-1262 [1]	ND	0.45	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 21:15	TG
Aroclor-1268 [1]	ND	0.45	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 21:15	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	73.3	30-150							
Decachlorobiphenyl [2]	78.9	30-150							
Tetrachloro-m-xylene [1]	82.8	30-150							
Tetrachloro-m-xylene [2]	81.7	30-150							

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

Project Location: English Station-Boiler 1-12 Area,

Sample Description: 1st Fl;Fan Room-Fan Motor

Work Order: 18B1050

Date Received: 2/26/2018

Field Sample #: P22B

Sampled: 2/21/2018 10:50

Sample ID: 18B1050-10

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.42	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 21:33	TG
Aroclor-1221 [1]	ND	0.42	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 21:33	TG
Aroclor-1232 [1]	ND	0.42	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 21:33	TG
Aroclor-1242 [2]	3.2	0.42	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 21:33	TG
Aroclor-1248 [1]	ND	0.42	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 21:33	TG
Aroclor-1254 [2]	3.3	0.42	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 21:33	TG
Aroclor-1260 [1]	1.9	0.42	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 21:33	TG
Aroclor-1262 [1]	ND	0.42	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 21:33	TG
Aroclor-1268 [1]	ND	0.42	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 21:33	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	75.5	30-150							
Decachlorobiphenyl [2]	81.2	30-150							
Tetrachloro-m-xylene [1]	89.5	30-150							
Tetrachloro-m-xylene [2]	88.7	30-150							

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

Project Location: English Station-Boiler 1-12 Area,

Sample Description: 1st Fl;Fan Room-Fan Duet

Work Order: 18B1050

Date Received: 2/26/2018

Field Sample #: P22C

Sampled: 2/21/2018 11:15

Sample ID: 18B1050-11

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 22:39	TG
Aroclor-1221 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 22:39	TG
Aroclor-1232 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 22:39	TG
Aroclor-1242 [1]	0.65	0.48	mg/Kg	1	P-02	SW-846 8082A	2/27/18	3/2/18 22:39	TG
Aroclor-1248 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 22:39	TG
Aroclor-1254 [2]	2.0	0.48	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 22:39	TG
Aroclor-1260 [1]	1.9	0.48	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 22:39	TG
Aroclor-1262 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 22:39	TG
Aroclor-1268 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 22:39	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	40.5	30-150							
Decachlorobiphenyl [2]	33.1	30-150							
Tetrachloro-m-xylene [1]	60.2	30-150							
Tetrachloro-m-xylene [2]	54.6	30-150							

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

Project Location: English Station-Boiler 1-12 Area,

Sample Description: 1st Fl;Fan Room-N Fan Pad

Work Order: 18B1050

Date Received: 2/26/2018

Field Sample #: P23A

Sampled: 2/21/2018 10:20

Sample ID: 18B1050-12

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.46	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 22:56	TG
Aroclor-1221 [1]	ND	0.46	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 22:56	TG
Aroclor-1232 [1]	ND	0.46	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 22:56	TG
Aroclor-1242 [1]	1.2	0.46	mg/Kg	1	P-02	SW-846 8082A	2/27/18	3/2/18 22:56	TG
Aroclor-1248 [1]	ND	0.46	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 22:56	TG
Aroclor-1254 [1]	4.1	0.46	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 22:56	TG
Aroclor-1260 [1]	3.0	0.46	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 22:56	TG
Aroclor-1262 [1]	ND	0.46	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 22:56	TG
Aroclor-1268 [2]	0.47	0.46	mg/Kg	1	P-02	SW-846 8082A	2/27/18	3/2/18 22:56	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	83.3	30-150							
Decachlorobiphenyl [2]	62.4	30-150							
Tetrachloro-m-xylene [1]	88.0	30-150							
Tetrachloro-m-xylene [2]	81.5	30-150							

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

Project Location: English Station-Boiler 1-12 Area,

Sample Description: 1st Fl;Fan Room-A-4 Fan Pad

Work Order: 18B1050

Date Received: 2/26/2018

Field Sample #: P23B

Sampled: 2/21/2018 10:20

Sample ID: 18B1050-13

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	2.4	mg/Kg	5		SW-846 8082A	2/27/18	3/3/18 11:30	TG
Aroclor-1221 [1]	ND	2.4	mg/Kg	5		SW-846 8082A	2/27/18	3/3/18 11:30	TG
Aroclor-1232 [1]	ND	2.4	mg/Kg	5		SW-846 8082A	2/27/18	3/3/18 11:30	TG
Aroclor-1242 [1]	ND	2.4	mg/Kg	5		SW-846 8082A	2/27/18	3/3/18 11:30	TG
Aroclor-1248 [1]	ND	2.4	mg/Kg	5		SW-846 8082A	2/27/18	3/3/18 11:30	TG
Aroclor-1254 [1]	11	2.4	mg/Kg	5		SW-846 8082A	2/27/18	3/3/18 11:30	TG
Aroclor-1260 [2]	14	2.4	mg/Kg	5		SW-846 8082A	2/27/18	3/3/18 11:30	TG
Aroclor-1262 [1]	ND	2.4	mg/Kg	5		SW-846 8082A	2/27/18	3/3/18 11:30	TG
Aroclor-1268 [2]	7.5	2.4	mg/Kg	5		SW-846 8082A	2/27/18	3/3/18 11:30	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	49.7	30-150							
Decachlorobiphenyl [2]	94.6	30-150							
Tetrachloro-m-xylene [1]	87.3	30-150							
Tetrachloro-m-xylene [2]	86.9	30-150							

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

Project Location: English Station-Boiler 1-12 Area,

Sample Description: 1st Fl;Fan Room-A-39 Fan Pad

Work Order: 18B1050

Date Received: 2/26/2018

Field Sample #: P23C

Sampled: 2/21/2018 10:40

Sample ID: 18B1050-14

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.42	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 23:32	TG
Aroclor-1221 [1]	ND	0.42	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 23:32	TG
Aroclor-1232 [1]	ND	0.42	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 23:32	TG
Aroclor-1242 [1]	0.90	0.42	mg/Kg	1	P-02	SW-846 8082A	2/27/18	3/2/18 23:32	TG
Aroclor-1248 [1]	ND	0.42	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 23:32	TG
Aroclor-1254 [1]	3.9	0.42	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 23:32	TG
Aroclor-1260 [1]	1.7	0.42	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 23:32	TG
Aroclor-1262 [1]	ND	0.42	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 23:32	TG
Aroclor-1268 [1]	ND	0.42	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 23:32	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	57.2	30-150							
Decachlorobiphenyl [2]	90.1	30-150							
Tetrachloro-m-xylene [1]	86.8	30-150							
Tetrachloro-m-xylene [2]	80.9	30-150							

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

Project Location: English Station-Boiler 1-12 Area,

Sample Description: 1st Fl;S. Fan Room-E Wall Lower

Work Order: 18B1050

Date Received: 2/26/2018

Field Sample #: P25A

Sampled: 2/21/2018 11:55

Sample ID: 18B1050-15

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.44	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 23:49	TG
Aroclor-1221 [1]	ND	0.44	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 23:49	TG
Aroclor-1232 [1]	ND	0.44	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 23:49	TG
Aroclor-1242 [1]	0.63	0.44	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 23:49	TG
Aroclor-1248 [1]	ND	0.44	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 23:49	TG
Aroclor-1254 [1]	1.4	0.44	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 23:49	TG
Aroclor-1260 [1]	0.78	0.44	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 23:49	TG
Aroclor-1262 [1]	ND	0.44	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 23:49	TG
Aroclor-1268 [1]	ND	0.44	mg/Kg	1		SW-846 8082A	2/27/18	3/2/18 23:49	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	65.3	30-150							
Decachlorobiphenyl [2]	70.6	30-150							
Tetrachloro-m-xylene [1]	79.4	30-150							
Tetrachloro-m-xylene [2]	77.4	30-150							

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

Project Location: English Station-Boiler 1-12 Area,

Sample Description: 1st Fl;SW Hall-E. Wall

Work Order: 18B1050

Date Received: 2/26/2018

Field Sample #: P25B

Sampled: 2/21/2018 12:03

Sample ID: 18B1050-16

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.37	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 0:07	TG
Aroclor-1221 [1]	ND	0.37	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 0:07	TG
Aroclor-1232 [1]	ND	0.37	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 0:07	TG
Aroclor-1242 [2]	0.98	0.37	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 0:07	TG
Aroclor-1248 [1]	ND	0.37	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 0:07	TG
Aroclor-1254 [2]	1.2	0.37	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 0:07	TG
Aroclor-1260 [2]	1.7	0.37	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 0:07	TG
Aroclor-1262 [1]	ND	0.37	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 0:07	TG
Aroclor-1268 [1]	1.3	0.37	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 0:07	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	70.9	30-150							
Decachlorobiphenyl [2]	73.2	30-150							
Tetrachloro-m-xylene [1]	73.1	30-150							
Tetrachloro-m-xylene [2]	71.5	30-150							

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

Project Location: English Station-Boiler 1-12 Area,

Sample Description: 1st Fl;SW Hall-Partitiom Hall

Work Order: 18B1050

Date Received: 2/26/2018

Field Sample #: P25C

Sampled: 2/21/2018 12:05

Sample ID: 18B1050-17

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.42	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 0:25	TG
Aroclor-1221 [1]	ND	0.42	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 0:25	TG
Aroclor-1232 [1]	ND	0.42	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 0:25	TG
Aroclor-1242 [2]	0.90	0.42	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 0:25	TG
Aroclor-1248 [1]	ND	0.42	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 0:25	TG
Aroclor-1254 [1]	2.6	0.42	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 0:25	TG
Aroclor-1260 [2]	4.2	0.42	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 0:25	TG
Aroclor-1262 [1]	ND	0.42	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 0:25	TG
Aroclor-1268 [2]	0.75	0.42	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 0:25	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	44.0	30-150							
Decachlorobiphenyl [2]	72.2	30-150							
Tetrachloro-m-xylene [1]	81.8	30-150							
Tetrachloro-m-xylene [2]	77.4	30-150							

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

Project Location: English Station-Boiler 1-12 Area,

Sample Description: 1st Fl;S. Fan Rm-S.Wall Upper

Work Order: 18B1050

Date Received: 2/26/2018

Field Sample #: P26A

Sampled: 2/21/2018 11:58

Sample ID: 18B1050-18

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.34	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 0:42	TG
Aroclor-1221 [1]	ND	0.34	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 0:42	TG
Aroclor-1232 [1]	ND	0.34	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 0:42	TG
Aroclor-1242 [2]	0.46	0.34	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 0:42	TG
Aroclor-1248 [1]	ND	0.34	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 0:42	TG
Aroclor-1254 [2]	1.8	0.34	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 0:42	TG
Aroclor-1260 [2]	3.6	0.34	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 0:42	TG
Aroclor-1262 [1]	ND	0.34	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 0:42	TG
Aroclor-1268 [2]	0.73	0.34	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 0:42	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	56.4	30-150							
Decachlorobiphenyl [2]	82.9	30-150							
Tetrachloro-m-xylene [1]	81.4	30-150							
Tetrachloro-m-xylene [2]	88.9	30-150							

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

Project Location: English Station-Boiler 1-12 Area,

Sample Description: 1st Fl;SW Hall-NE Corner

Work Order: 18B1050

Date Received: 2/26/2018

Field Sample #: P26B

Sampled: 2/21/2018 12:10

Sample ID: 18B1050-19

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 1:00	TG
Aroclor-1221 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 1:00	TG
Aroclor-1232 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 1:00	TG
Aroclor-1242 [2]	0.67	0.48	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 1:00	TG
Aroclor-1248 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 1:00	TG
Aroclor-1254 [1]	2.5	0.48	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 1:00	TG
Aroclor-1260 [2]	5.1	0.48	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 1:00	TG
Aroclor-1262 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 1:00	TG
Aroclor-1268 [1]	0.55	0.48	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 1:00	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	80.7	30-150						3/3/18 1:00	
Decachlorobiphenyl [2]	88.3	30-150						3/3/18 1:00	
Tetrachloro-m-xylene [1]	83.8	30-150						3/3/18 1:00	
Tetrachloro-m-xylene [2]	82.0	30-150						3/3/18 1:00	

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

Project Location: English Station-Boiler 1-12 Area,

Sample Description: 1st Fl;SW Hall-S Wall

Work Order: 18B1050

Date Received: 2/26/2018

Field Sample #: P26C

Sampled: 2/21/2018 12:13

Sample ID: 18B1050-20

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.39	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 1:18	TG
Aroclor-1221 [1]	ND	0.39	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 1:18	TG
Aroclor-1232 [1]	ND	0.39	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 1:18	TG
Aroclor-1242 [1]	ND	0.39	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 1:18	TG
Aroclor-1248 [1]	ND	0.39	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 1:18	TG
Aroclor-1254 [2]	1.6	0.39	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 1:18	TG
Aroclor-1260 [1]	3.7	0.39	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 1:18	TG
Aroclor-1262 [1]	ND	0.39	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 1:18	TG
Aroclor-1268 [2]	0.72	0.39	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 1:18	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	58.5	30-150							
Decachlorobiphenyl [2]	96.2	30-150							
Tetrachloro-m-xylene [1]	94.5	30-150							
Tetrachloro-m-xylene [2]	91.1	30-150							

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

Project Location: English Station-Boiler 1-12 Area,

Sample Description: 1st Fl;SW Hall

Work Order: 18B1050

Date Received: 2/26/2018

Field Sample #: P27A

Sampled: 2/19/2018 13:50

Sample ID: 18B1050-21

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.36	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 4:32	TG
Aroclor-1221 [1]	ND	0.36	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 4:32	TG
Aroclor-1232 [1]	ND	0.36	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 4:32	TG
Aroclor-1242 [1]	ND	0.36	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 4:32	TG
Aroclor-1248 [1]	ND	0.36	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 4:32	TG
Aroclor-1254 [2]	0.67	0.36	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 4:32	TG
Aroclor-1260 [2]	1.0	0.36	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 4:32	TG
Aroclor-1262 [1]	ND	0.36	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 4:32	TG
Aroclor-1268 [1]	ND	0.36	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 4:32	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	86.6	30-150						3/3/18 4:32	
Decachlorobiphenyl [2]	96.3	30-150						3/3/18 4:32	
Tetrachloro-m-xylene [1]	94.2	30-150						3/3/18 4:32	
Tetrachloro-m-xylene [2]	92.0	30-150						3/3/18 4:32	

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

Project Location: English Station-Boiler 1-12 Area,

Sample Description: 1st Fl;SW Hall

Work Order: 18B1050

Date Received: 2/26/2018

Field Sample #: P27B

Sampled: 2/19/2018 13:55

Sample ID: 18B1050-22

Sample Matrix: Paint

Polychlorinated 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	1		SW-846 8082A	2/27/18	3/3/18 4:50	TG
Aroclor-1221 [1]	ND	0.50	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 4:50	TG
Aroclor-1232 [1]	ND	0.50	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 4:50	TG
Aroclor-1242 [1]	ND	0.50	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 4:50	TG
Aroclor-1248 [1]	ND	0.50	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 4:50	TG
Aroclor-1254 [2]	0.87	0.50	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 4:50	TG
Aroclor-1260 [2]	2.1	0.50	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 4:50	TG
Aroclor-1262 [1]	ND	0.50	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 4:50	TG
Aroclor-1268 [2]	0.53	0.50	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 4:50	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	52.7	30-150						3/3/18 4:50	
Decachlorobiphenyl [2]	89.6	30-150						3/3/18 4:50	
Tetrachloro-m-xylene [1]	91.2	30-150						3/3/18 4:50	
Tetrachloro-m-xylene [2]	88.5	30-150						3/3/18 4:50	

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
18B1050-21 [P27A]	B197814	0.280	10.0	02/27/18
18B1050-22 [P27B]	B197814	0.202	10.0	02/27/18

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18B1050-01 [P18A]	B197815	0.248	10.0	02/27/18
18B1050-02 [P19A]	B197815	0.267	10.0	02/27/18
18B1050-03 [P20A]	B197815	0.256	10.0	02/27/18
18B1050-04 [P20B]	B197815	0.293	10.0	02/27/18
18B1050-05 [P20C]	B197815	0.225	10.0	02/27/18
18B1050-06 [P21A]	B197815	0.277	10.0	02/27/18
18B1050-07 [P21B]	B197815	0.256	10.0	02/27/18
18B1050-08 [P21C]	B197815	0.266	10.0	02/27/18
18B1050-09 [P22A]	B197815	0.223	10.0	02/27/18
18B1050-10 [P22B]	B197815	0.240	10.0	02/27/18
18B1050-11 [P22C]	B197815	0.210	10.0	02/27/18
18B1050-12 [P23A]	B197815	0.216	10.0	02/27/18
18B1050-13 [P23B]	B197815	0.211	10.0	02/27/18
18B1050-14 [P23C]	B197815	0.236	10.0	02/27/18
18B1050-15 [P25A]	B197815	0.227	10.0	02/27/18
18B1050-16 [P25B]	B197815	0.273	10.0	02/27/18
18B1050-17 [P25C]	B197815	0.239	10.0	02/27/18
18B1050-18 [P26A]	B197815	0.298	10.0	02/27/18
18B1050-19 [P26B]	B197815	0.210	10.0	02/27/18
18B1050-20 [P26C]	B197815	0.257	10.0	02/27/18

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

QUALITY CONTROL
Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B197814 - SW-846 3540C
Blank (B197814-BLK1)

Prepared: 02/27/18 Analyzed: 03/03/18

Aroclor-1016	ND	0.50	mg/Kg							
Aroclor-1016 [2C]	ND	0.50	mg/Kg							
Aroclor-1221	ND	0.50	mg/Kg							
Aroclor-1221 [2C]	ND	0.50	mg/Kg							
Aroclor-1232	ND	0.50	mg/Kg							
Aroclor-1232 [2C]	ND	0.50	mg/Kg							
Aroclor-1242	ND	0.50	mg/Kg							
Aroclor-1242 [2C]	ND	0.50	mg/Kg							
Aroclor-1248	ND	0.50	mg/Kg							
Aroclor-1248 [2C]	ND	0.50	mg/Kg							
Aroclor-1254	ND	0.50	mg/Kg							
Aroclor-1254 [2C]	ND	0.50	mg/Kg							
Aroclor-1260	ND	0.50	mg/Kg							
Aroclor-1260 [2C]	ND	0.50	mg/Kg							
Aroclor-1262	ND	0.50	mg/Kg							
Aroclor-1262 [2C]	ND	0.50	mg/Kg							
Aroclor-1268	ND	0.50	mg/Kg							
Aroclor-1268 [2C]	ND	0.50	mg/Kg							
Surrogate: Decachlorobiphenyl	8.36		mg/Kg	10.0		83.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	9.29		mg/Kg	10.0		92.9	30-150			
Surrogate: Tetrachloro-m-xylene	9.78		mg/Kg	10.0		97.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	9.27		mg/Kg	10.0		92.7	30-150			

LCS (B197814-BS1)

Prepared: 02/27/18 Analyzed: 03/03/18

Aroclor-1016	2.7	0.50	mg/Kg	2.50		107	40-140			
Aroclor-1016 [2C]	2.6	0.50	mg/Kg	2.50		104	40-140			
Aroclor-1260	2.3	0.50	mg/Kg	2.50		92.1	40-140			
Aroclor-1260 [2C]	2.3	0.50	mg/Kg	2.50		91.9	40-140			
Surrogate: Decachlorobiphenyl	9.35		mg/Kg	10.0		93.5	30-150			
Surrogate: Decachlorobiphenyl [2C]	10.4		mg/Kg	10.0		104	30-150			
Surrogate: Tetrachloro-m-xylene	9.94		mg/Kg	10.0		99.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	9.50		mg/Kg	10.0		95.0	30-150			

LCS Dup (B197814-BSD1)

Prepared: 02/27/18 Analyzed: 03/03/18

Aroclor-1016	2.4	0.50	mg/Kg	2.50		97.7	40-140	9.50	30	
Aroclor-1016 [2C]	2.3	0.50	mg/Kg	2.50		92.4	40-140	11.5	30	
Aroclor-1260	1.9	0.50	mg/Kg	2.50		77.0	40-140	17.8	30	
Aroclor-1260 [2C]	1.9	0.50	mg/Kg	2.50		77.6	40-140	16.8	30	
Surrogate: Decachlorobiphenyl	7.68		mg/Kg	10.0		76.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	8.46		mg/Kg	10.0		84.6	30-150			
Surrogate: Tetrachloro-m-xylene	9.46		mg/Kg	10.0		94.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	8.96		mg/Kg	10.0		89.6	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
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B197815 - SW-846 3540C
Blank (B197815-BLK1)

Prepared: 02/27/18 Analyzed: 03/02/18

Aroclor-1016	ND	0.50	mg/Kg							
Aroclor-1016 [2C]	ND	0.50	mg/Kg							
Aroclor-1221	ND	0.50	mg/Kg							
Aroclor-1221 [2C]	ND	0.50	mg/Kg							
Aroclor-1232	ND	0.50	mg/Kg							
Aroclor-1232 [2C]	ND	0.50	mg/Kg							
Aroclor-1242	ND	0.50	mg/Kg							
Aroclor-1242 [2C]	ND	0.50	mg/Kg							
Aroclor-1248	ND	0.50	mg/Kg							
Aroclor-1248 [2C]	ND	0.50	mg/Kg							
Aroclor-1254	ND	0.50	mg/Kg							
Aroclor-1254 [2C]	ND	0.50	mg/Kg							
Aroclor-1260	ND	0.50	mg/Kg							
Aroclor-1260 [2C]	ND	0.50	mg/Kg							
Aroclor-1262	ND	0.50	mg/Kg							
Aroclor-1262 [2C]	ND	0.50	mg/Kg							
Aroclor-1268	ND	0.50	mg/Kg							
Aroclor-1268 [2C]	ND	0.50	mg/Kg							
Surrogate: Decachlorobiphenyl	7.51		mg/Kg	10.0		75.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	8.44		mg/Kg	10.0		84.4	30-150			
Surrogate: Tetrachloro-m-xylene	9.35		mg/Kg	10.0		93.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	9.12		mg/Kg	10.0		91.2	30-150			

LCS (B197815-BS1)

Prepared: 02/27/18 Analyzed: 03/02/18

Aroclor-1016	2.4	0.50	mg/Kg	2.50		96.7	40-140			
Aroclor-1016 [2C]	2.2	0.50	mg/Kg	2.50		89.9	40-140			
Aroclor-1260	2.0	0.50	mg/Kg	2.50		78.6	40-140			
Aroclor-1260 [2C]	2.0	0.50	mg/Kg	2.50		80.6	40-140			
Surrogate: Decachlorobiphenyl	7.95		mg/Kg	10.0		79.5	30-150			
Surrogate: Decachlorobiphenyl [2C]	8.89		mg/Kg	10.0		88.9	30-150			
Surrogate: Tetrachloro-m-xylene	9.39		mg/Kg	10.0		93.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	9.23		mg/Kg	10.0		92.3	30-150			

LCS Dup (B197815-BSD1)

Prepared: 02/27/18 Analyzed: 03/02/18

Aroclor-1016	2.3	0.50	mg/Kg	2.50		92.9	40-140	3.99	30	
Aroclor-1016 [2C]	2.3	0.50	mg/Kg	2.50		91.1	40-140	1.36	30	
Aroclor-1260	2.0	0.50	mg/Kg	2.50		80.9	40-140	2.98	30	
Aroclor-1260 [2C]	2.1	0.50	mg/Kg	2.50		84.1	40-140	4.24	30	
Surrogate: Decachlorobiphenyl	8.21		mg/Kg	10.0		82.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	9.25		mg/Kg	10.0		92.5	30-150			
Surrogate: Tetrachloro-m-xylene	9.21		mg/Kg	10.0		92.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	8.99		mg/Kg	10.0		89.9	30-150			

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

P18A

Lab Sample ID: 18B1050-01 Date(s) Analyzed: 03/02/2018 03/02/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1242	1	0.000	0.000	0.000	0.61	
	2	0.000	0.000	0.000	1.1	57.3
Aroclor-1254	1	0.000	0.000	0.000	2.2	
	2	0.000	0.000	0.000	3.0	30.8
Aroclor-1260	1	0.000	0.000	0.000	3.4	
	2	0.000	0.000	0.000	2.9	15.9
Aroclor-1268	1	0.000	0.000	0.000	1.8	
	2	0.000	0.000	0.000	1.7	5.7

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

P19A

Lab Sample ID: 18B1050-02 Date(s) Analyzed: 03/02/2018 03/02/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1242	1	0.000	0.000	0.000	1.1	
	2	0.000	0.000	0.000	1.4	24.0
Aroclor-1254	1	0.000	0.000	0.000	0.80	
	2	0.000	0.000	0.000	0.70	14.6
Aroclor-1260	1	0.000	0.000	0.000	1.0	
	2	0.000	0.000	0.000	0.98	2.0
Aroclor-1268	1	0.000	0.000	0.000	0.46	
	2	0.000	0.000	0.000	0.48	4.3

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

P20A

Lab Sample ID: 18B1050-03 Date(s) Analyzed: 03/02/2018 03/02/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1242	1	0.000	0.000	0.000	0.41	
	2	0.000	0.000	0.000	0.51	19.4
Aroclor-1254	1	0.000	0.000	0.000	0.81	
	2	0.000	0.000	0.000	1.0	21.0
Aroclor-1260	1	0.000	0.000	0.000	1.2	
	2	0.000	0.000	0.000	1.3	0.0
Aroclor-1268	1	0.000	0.000	0.000	1.0	
	2	0.000	0.000	0.000	0.66	41.0

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

P20B

Lab Sample ID: 18B1050-04 Date(s) Analyzed: 03/02/2018 03/02/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1242	1	0.000	0.000	0.000	0.56	
	2	0.000	0.000	0.000	0.62	10.2
Aroclor-1254	1	0.000	0.000	0.000	0.69	
	2	0.000	0.000	0.000	0.82	17.2
Aroclor-1260	1	0.000	0.000	0.000	0.96	
	2	0.000	0.000	0.000	0.95	1.1
Aroclor-1268	1	0.000	0.000	0.000	0.57	
	2	0.000	0.000	0.000	0.42	30.3

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

P20C

Lab Sample ID: 18B1050-05 Date(s) Analyzed: 03/02/2018 03/02/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1242	1	0.000	0.000	0.000	0.84	
	2	0.000	0.000	0.000	1.0	17.4
Aroclor-1254	1	0.000	0.000	0.000	0.74	
	2	0.000	0.000	0.000	0.88	17.3
Aroclor-1260	1	0.000	0.000	0.000	1.1	
	2	0.000	0.000	0.000	1.2	8.7
Aroclor-1268	1	0.000	0.000	0.000	0.56	
	2	0.000	0.000	0.000	0.49	13.3

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

P21A

Lab Sample ID: 18B1050-06 Date(s) Analyzed: 03/02/2018 03/02/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1242	1	0.000	0.000	0.000	1.7	
	2	0.000	0.000	0.000	2.0	10.5
Aroclor-1254	1	0.000	0.000	0.000	1.3	
	2	0.000	0.000	0.000	1.5	14.3
Aroclor-1260	1	0.000	0.000	0.000	2.0	
	2	0.000	0.000	0.000	2.4	18.2
Aroclor-1268	1	0.000	0.000	0.000	1.3	
	2	0.000	0.000	0.000	0.96	30.1

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

P21B

Lab Sample ID: 18B1050-07 Date(s) Analyzed: 03/02/2018 03/02/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1242	1	0.000	0.000	0.000	0.84	
	2	0.000	0.000	0.000	0.96	13.3
Aroclor-1254	1	0.000	0.000	0.000	1.3	
	2	0.000	0.000	0.000	1.4	7.4
Aroclor-1260	1	0.000	0.000	0.000	1.8	
	2	0.000	0.000	0.000	1.9	5.4
Aroclor-1268	1	0.000	0.000	0.000	1.6	
	2	0.000	0.000	0.000	1.3	20.7

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

P21C

Lab Sample ID: 18B1050-08 Date(s) Analyzed: 03/02/2018 03/02/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1242	1	0.000	0.000	0.000	0.51	
	2	0.000	0.000	0.000	0.67	27.1
Aroclor-1254	1	0.000	0.000	0.000	1.6	
	2	0.000	0.000	0.000	1.5	6.5
Aroclor-1260	1	0.000	0.000	0.000	1.6	
	2	0.000	0.000	0.000	1.5	6.5

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

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

P22A

Lab Sample ID: 18B1050-09 Date(s) Analyzed: 03/02/2018 03/02/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1242	1	0.000	0.000	0.000	1.8	
	2	0.000	0.000	0.000	2.2	20.0
Aroclor-1254	1	0.000	0.000	0.000	2.5	
	2	0.000	0.000	0.000	2.6	3.9
Aroclor-1260	1	0.000	0.000	0.000	1.6	
	2	0.000	0.000	0.000	1.5	6.5

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

P22B

Lab Sample ID: 18B1050-10 Date(s) Analyzed: 03/02/2018 03/02/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1242	1	0.000	0.000	0.000	2.6	
	2	0.000	0.000	0.000	3.2	20.7
Aroclor-1254	1	0.000	0.000	0.000	3.1	
	2	0.000	0.000	0.000	3.3	6.3
Aroclor-1260	1	0.000	0.000	0.000	1.9	
	2	0.000	0.000	0.000	1.6	17.1

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

P22C

Lab Sample ID: 18B1050-11 Date(s) Analyzed: 03/02/2018 03/02/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1242	1	0.000	0.000	0.000	0.65	
	2	0.000	0.000	0.000	1.2	59.5
Aroclor-1254	1	0.000	0.000	0.000	1.5	
	2	0.000	0.000	0.000	2.0	22.2
Aroclor-1260	1	0.000	0.000	0.000	1.9	
	2	0.000	0.000	0.000	1.5	23.5

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

P23A

Lab Sample ID: 18B1050-12 Date(s) Analyzed: 03/02/2018 03/02/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1242	1	0.000	0.000	0.000	1.2	
	2	0.000	0.000	0.000	2.4	66.7
Aroclor-1254	1	0.000	0.000	0.000	4.1	
	2	0.000	0.000	0.000	3.8	7.6
Aroclor-1260	1	0.000	0.000	0.000	3.0	
	2	0.000	0.000	0.000	2.5	18.2
Aroclor-1268	1	0.000	0.000	0.000	0.94	
	2	0.000	0.000	0.000	0.47	66.7

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

P23B

Lab Sample ID: 18B1050-13 Date(s) Analyzed: 03/03/2018 03/03/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	11	
	2	0.000	0.000	0.000	10	9.5
Aroclor-1260	1	0.000	0.000	0.000	13	
	2	0.000	0.000	0.000	14	0.0
Aroclor-1268	1	0.000	0.000	0.000	7.0	
	2	0.000	0.000	0.000	7.5	6.9

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

P23C

Lab Sample ID: 18B1050-14 Date(s) Analyzed: 03/02/2018 03/02/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1242	1	0.000	0.000	0.000	0.90	
	2	0.000	0.000	0.000	1.8	66.7
Aroclor-1254	1	0.000	0.000	0.000	3.9	
	2	0.000	0.000	0.000	2.7	36.4
Aroclor-1260	1	0.000	0.000	0.000	1.7	
	2	0.000	0.000	0.000	1.2	34.5

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

P25A

Lab Sample ID: 18B1050-15 Date(s) Analyzed: 03/02/2018 03/02/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1242	1	0.000	0.000	0.000	0.63	
	2	0.000	0.000	0.000	0.53	17.2
Aroclor-1254	1	0.000	0.000	0.000	1.4	
	2	0.000	0.000	0.000	1.3	7.4
Aroclor-1260	1	0.000	0.000	0.000	0.78	
	2	0.000	0.000	0.000	0.71	9.4

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

P25B

Lab Sample ID: 18B1050-16 Date(s) Analyzed: 03/03/2018 03/03/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1242	1	0.000	0.000	0.000	0.68	
	2	0.000	0.000	0.000	0.98	36.1
Aroclor-1254	1	0.000	0.000	0.000	1.1	
	2	0.000	0.000	0.000	1.2	8.7
Aroclor-1260	1	0.000	0.000	0.000	1.7	
	2	0.000	0.000	0.000	1.7	0.0
Aroclor-1268	1	0.000	0.000	0.000	1.3	
	2	0.000	0.000	0.000	0.91	35.3

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

P25C

Lab Sample ID: 18B1050-17 Date(s) Analyzed: 03/03/2018 03/03/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1242	1	0.000	0.000	0.000	0.63	
	2	0.000	0.000	0.000	0.90	35.3
Aroclor-1254	1	0.000	0.000	0.000	2.6	
	2	0.000	0.000	0.000	2.5	3.9
Aroclor-1260	1	0.000	0.000	0.000	3.8	
	2	0.000	0.000	0.000	4.2	10.0
Aroclor-1268	1	0.000	0.000	0.000	0.60	
	2	0.000	0.000	0.000	0.75	22.2

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

P26A

Lab Sample ID: 18B1050-18 Date(s) Analyzed: 03/03/2018 03/03/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1242	1	0.000	0.000	0.000	0.34	
	2	0.000	0.000	0.000	0.46	30.0
Aroclor-1254	1	0.000	0.000	0.000	1.6	
	2	0.000	0.000	0.000	1.8	11.8
Aroclor-1260	1	0.000	0.000	0.000	3.5	
	2	0.000	0.000	0.000	3.6	2.8
Aroclor-1268	1	0.000	0.000	0.000	0.57	
	2	0.000	0.000	0.000	0.73	22.9

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

P26B

Lab Sample ID: 18B1050-19 Date(s) Analyzed: 03/03/2018 03/03/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	2.5	
	2	0.000	0.000	0.000	2.4	4.1
Aroclor-1260	1	0.000	0.000	0.000	4.9	
	2	0.000	0.000	0.000	5.1	4.0
Aroclor-1268	1	0.000	0.000	0.000	0.55	
	2	0.000	0.000	0.000	0.55	0.0

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

P26C

Lab Sample ID: 18B1050-20 Date(s) Analyzed: 03/03/2018 03/03/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	1.6	
	2	0.000	0.000	0.000	1.6	0.0
Aroclor-1260	1	0.000	0.000	0.000	3.7	
	2	0.000	0.000	0.000	3.5	5.6
Aroclor-1268	1	0.000	0.000	0.000	0.54	
	2	0.000	0.000	0.000	0.72	28.6

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES***SW-846 8082A***P27A**Lab Sample ID: 18B1050-21 Date(s) Analyzed: 03/03/2018 03/03/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	0.65	
	2	0.000	0.000	0.000	0.67	3.0
Aroclor-1260	1	0.000	0.000	0.000	0.92	
	2	0.000	0.000	0.000	1.0	8.3

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES***SW-846 8082A***P27B**Lab Sample ID: 18B1050-22 Date(s) Analyzed: 03/03/2018 03/03/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	0.85	
	2	0.000	0.000	0.000	0.87	2.3
Aroclor-1260	1	0.000	0.000	0.000	1.9	
	2	0.000	0.000	0.000	2.1	10.0

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.
P-02	Sample RPD between primary and confirmatory analysis exceeded 40%. Per EPA method 8000, the lower value was reported due to obvious chromatographic interference on the column with the higher result.

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

CERTIFICATIONS

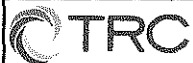
Certified Analyses included in this Report

Analyte	Certifications
---------	----------------

No certified Analyses included in this Report

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

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



21 GRIFFIN ROAD NORTH
WINDSOR, CONNECTICUT 06095
TELEPHONE (860) 298-9692
FAX (860) 298-6380

18B1050

CHAIN OF CUSTODY

Edition: September 2007
Supersede Previous Edition

PROJECT NUMBER		PROJECT NAME		PARAMETERS		CONTAINERS		LAB ID #.		TURNAROUND TIME	
263951		English Station - Boiler 1-12 Area New Haven, CT								x Standard TAT 7-10 Days	
SIGNATURE		INSPECTOR								Rush TAT Date Needed:	
		Mark Kearney/Gregory Kaczynski								NOTES	
Lab ID:	SAMPLE ID:	DATE	TIME	TYPE		SAMPLE LOCATION	EPA 8082 (3540)	# of Amber Glass	# of Clear Glass	Matrix (X1= caulk/glaze X2= paint, X3=other solid)	Preservative
				COMP	GRAB						
01	P18A	2/19/18	0925		X	1st floor - NW Hall	X		X	X2	---
02	P19A	2/19/18	1130		X	- bath	X				---
03	P20A	2/21/18	1140		X	- Temp oil storage - west	X				---
	P20B		1145		X	- " " - North	X				---
	P20C		1150		X	- " " - East	X				---
	P21A		1000		X	- Fan Room - NE	X				---
	P21B		1010		X	- " " - East	X				---
	P21C		0950		X	- " " - West	X				---
	P22A		1100		X	- fan motor	X				---
	P22B		1050		X	- " " - " "	X				---
	P22C		1115		X	- fan duct	X				---

Relinquished by: (Signature) 	Date: 2/23/18	Received by: (Signature) 	Date: 2/24/18	Relinquished by: (Signature) 	Date: 2/24/18	Received by: (Signature) 	Date: 2/20/18
(Printed) Gregory Kaczynski	Time: 1630	(Printed)		(Printed)		(Printed)	
Remarks: Report to: Include CT DPH RCP Report				Condition upon Receipt:			



21 GRIFFIN ROAD NORTH
WINDSOR, CONNECTICUT 06095
TELEPHONE (860) 298-9692
FAX (860) 298-6380

18B1050

CHAIN OF CUSTODY

Edition: September 2007
Supersede Previous Edition

PROJECT NUMBER		PROJECT NAME		PARAMETERS		CONTAINERS		LAB ID #.				
263951		English Station - Boiler 1-12 Area New Haven, CT						TURNAROUND TIME				
								x	Standard TAT 7-10 Days			
								Rush TAT	Date Needed:			
SIGNATURE		INSPECTOR										
		Mark Kearney/Gregory Kaczynski										
Lab ID:	SAMPLE ID:	DATE	TIME	TYPE		SAMPLE LOCATION	EPA 8082 (3540)	# of Amber Glass	# of Clear Glass	Matrix (X1= caulk/glaze X2= paint, X3=other solid)	Preservative	NOTES
				COMP	GRAB							
12	P23A	2/21/18	1020		X	1st Flr-Fan Rm-N Fan Pack	X		X	X2	---	
13	P23B		1020		X	- A-4 Fan Pack	X				---	
14	P23C		1040		X	- A-39 Fan Pack	X				---	
15	P25A		1155		X	- 6 Fan Rm - E. Wall/lower	X				---	
16	P25B		1203		X	- SW Hall - E. Wall	X				---	
17	P25C		1205		X	- SW Hall - Protection Hall	X				---	
18	P26A		1158		X	- 6 Fan Rm - S. Wall upper	X				---	
19	P26B		1210		X	- SW Hall - NE corner	X				---	
20	P26C		1213		X	- SW Hall - S Wall	X				---	
21	P27A	2/19/18	1350		X	- SW Hall	X				---	
22	P27B		1355		X	-	X				---	

Relinquished by: (Signature)	Date:	Received by: (Signature)	Relinquished by: (Signature)	Date:	Received by: (Signature)
	2/23/18			2/24/18	
(Printed)	Time:	(Printed)	(Printed)	Time:	(Printed)
Gregory Kaczynski	1630				
Remarks: Report to:			Condition upon Receipt:		
Include CT DPH RCP Report			Page 6 of 10		


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 NAP Date 2/26/18 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 # 577 Actual Temp - 4.2

By Blank # Actual Temp -

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

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

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

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

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

Project T ID's T Collection Dates/Times T

Are Sample labels filled out and legible? T

Are there Lab to Filters? F Who was notified?

Are there Rushes? F Who was notified?

Are there Short Holds? F Who was notified?

Is there enough Volume? T

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

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

Were trip blanks received? F On COC? F

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

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

Unused Media

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

Comments:



REASONABLE CONFIDENCE PROTOCOL LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory

Client: United Illuminating Company

Project Location: English Station-Boiler 1-12 Area, New Haven, CT

Project Number: 18B1050

Laboratory Sample ID(s):
18B1050-01 thru 18B1050-22

Sample Date(s):

02/19/2018,

02/21/2018

List RCP Methods Used:

SW-846 8082A

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

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

This form may not be altered and all questions must be answered.

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: Project Manager
Printed Name: Lisa A. Worthington
Date: 03/05/18
Name of Laboratory: Con-Test Analytical Laboratory

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

March 5, 2018

Chris Mocciaie
United Illuminating Company
180 Marsh Hill Road
Orange, CT 06477

Project Location: English Station-Boiler 1-12 Area, New Haven, CT
Client Job Number:
Project Number: 263951
Laboratory Work Order Number: 18B1051

Enclosed are results of analyses for samples received by the laboratory on February 26, 2018. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jessica L. Hoffman
Project Manager

Table of Contents

Sample Summary	4
Case Narrative	5
Sample Results	6
18B1051-01	6
18B1051-02	7
18B1051-03	8
18B1051-04	9
18B1051-05	10
18B1051-06	11
18B1051-07	12
18B1051-08	13
18B1051-09	14
18B1051-10	15
18B1051-11	16
18B1051-12	17
18B1051-13	18
18B1051-14	19
18B1051-15	20
18B1051-16	21
18B1051-17	22
18B1051-18	23
Sample Preparation Information	24
QC Data	25
Polychlorinated Biphenyls with 3540 Soxhlet Extraction	25
B197814	25

Table of Contents (continued)

Dual Column RPD Report	26
Flag/Qualifier Summary	43
Certifications	44
Chain of Custody/Sample Receipt	45

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

United Illuminating Company
180 Marsh Hill Road
Orange, CT 06477
ATTN: Chris Moccia

REPORT DATE: 3/5/2018

PURCHASE ORDER NUMBER: 4500446141

PROJECT NUMBER: 263951

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 18B1051

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

PROJECT LOCATION: English Station-Boiler 1-12 Area, New Haven, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
P27C	18B1051-01	Paint	1st Fl;SW Hall	SW-846 8082A	
P28A	18B1051-02	Paint	1st Fl;SW Hall (North)	SW-846 8082A	
P28B	18B1051-03	Paint	1st Fl;SW Hall (South)	SW-846 8082A	
P29A	18B1051-04	Paint	1st Fl;SW Hall-Office Area East	SW-846 8082A	
P29B	18B1051-05	Paint	1st Fl;SW Hall-Office Area South	SW-846 8082A	
P29C	18B1051-06	Paint	1st Fl;SW Hall-Office Area West	SW-846 8082A	
P30A	18B1051-07	Paint	1st Fl;SW Hall Office Area Esat	SW-846 8082A	
P30B	18B1051-08	Paint	1st Fl;SW Hall-Office Area North	SW-846 8082A	
P30C	18B1051-09	Paint	1st Fl;SW Hall-Office Area South	SW-846 8082A	
P33A	18B1051-10	Paint	1st Fl;Storage	SW-846 8082A	
P33B	18B1051-11	Paint	1st Fl;Storage	SW-846 8082A	
P33C	18B1051-12	Paint	1st Fl;FOPR2	SW-846 8082A	
P34A	18B1051-13	Paint	1st Fl;FOPR2	SW-846 8082A	
P34B	18B1051-14	Paint	1st Fl;Gas Cylinder	SW-846 8082A	
P34C	18B1051-15	Paint	1st Fl;Gas Cylinder	SW-846 8082A	
P35A	18B1051-16	Paint	1st Fl;Gas Cylinder	SW-846 8082A	
P35B	18B1051-17	Paint	1st Fl;Gas Cylinder	SW-846 8082A	
P35C	18B1051-18	Paint	1st Fl;FOPR2	SW-846 8082A	

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

CASE NARRATIVE SUMMARY

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

SW-846 8082A

Qualifications:

P-02

Sample RPD between primary and confirmatory analysis exceeded 40%. Per EPA method 8000, the lower value was reported due to obvious chromatographic interference on the column with the higher result.

Analyte & Samples(s) Qualified:

Aroclor-1242

18B1051-03[P28B], 18B1051-04[P29A]

Aroclor-1254

18B1051-02[P28A]

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
Project Manager

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

Project Location: English Station-Boiler 1-12 Area,

Sample Description: 1st Fl;SW Hall

Work Order: 18B1051

Date Received: 2/26/2018

Field Sample #: P27C

Sampled: 2/19/2018 13:45

Sample ID: 18B1051-01

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.36	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 5:08	TG
Aroclor-1221 [1]	ND	0.36	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 5:08	TG
Aroclor-1232 [1]	ND	0.36	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 5:08	TG
Aroclor-1242 [1]	ND	0.36	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 5:08	TG
Aroclor-1248 [1]	ND	0.36	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 5:08	TG
Aroclor-1254 [2]	0.64	0.36	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 5:08	TG
Aroclor-1260 [1]	1.0	0.36	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 5:08	TG
Aroclor-1262 [1]	ND	0.36	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 5:08	TG
Aroclor-1268 [1]	ND	0.36	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 5:08	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	58.7	30-150							
Decachlorobiphenyl [2]	85.8	30-150							
Tetrachloro-m-xylene [1]	87.8	30-150							
Tetrachloro-m-xylene [2]	86.2	30-150							

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

Project Location: English Station-Boiler 1-12 Area,

Sample Description: 1st Fl;SW Hall (North)

Work Order: 18B1051

Date Received: 2/26/2018

Field Sample #: P28A

Sampled: 2/19/2018 14:16

Sample ID: 18B1051-02

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.43	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 5:26	TG
Aroclor-1221 [1]	ND	0.43	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 5:26	TG
Aroclor-1232 [1]	ND	0.43	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 5:26	TG
Aroclor-1242 [1]	ND	0.43	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 5:26	TG
Aroclor-1248 [1]	ND	0.43	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 5:26	TG
Aroclor-1254 [1]	1.6	0.43	mg/Kg	1	P-02	SW-846 8082A	2/27/18	3/3/18 5:26	TG
Aroclor-1260 [1]	3.0	0.43	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 5:26	TG
Aroclor-1262 [1]	ND	0.43	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 5:26	TG
Aroclor-1268 [2]	0.45	0.43	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 5:26	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	86.1	30-150						3/3/18 5:26	
Decachlorobiphenyl [2]	94.5	30-150						3/3/18 5:26	
Tetrachloro-m-xylene [1]	96.6	30-150						3/3/18 5:26	
Tetrachloro-m-xylene [2]	93.2	30-150						3/3/18 5:26	

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

Project Location: English Station-Boiler 1-12 Area,

Sample Description: 1st Fl;SW Hall (South)

Work Order: 18B1051

Date Received: 2/26/2018

Field Sample #: P28B

Sampled: 2/19/2018 14:11

Sample ID: 18B1051-03

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.38	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 5:43	TG
Aroclor-1221 [1]	ND	0.38	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 5:43	TG
Aroclor-1232 [1]	ND	0.38	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 5:43	TG
Aroclor-1242 [1]	0.49	0.38	mg/Kg	1	P-02	SW-846 8082A	2/27/18	3/3/18 5:43	TG
Aroclor-1248 [1]	ND	0.38	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 5:43	TG
Aroclor-1254 [2]	1.6	0.38	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 5:43	TG
Aroclor-1260 [1]	2.5	0.38	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 5:43	TG
Aroclor-1262 [1]	ND	0.38	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 5:43	TG
Aroclor-1268 [2]	0.40	0.38	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 5:43	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	51.1	30-150							
Decachlorobiphenyl [2]	84.8	30-150							
Tetrachloro-m-xylene [1]	85.6	30-150							
Tetrachloro-m-xylene [2]	83.4	30-150							

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

Project Location: English Station-Boiler 1-12 Area,

Sample Description: 1st Fl;SW Hall-Office Area East

Work Order: 18B1051

Date Received: 2/26/2018

Field Sample #: P29A

Sampled: 2/21/2018 12:20

Sample ID: 18B1051-04

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.46	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 6:01	TG
Aroclor-1221 [1]	ND	0.46	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 6:01	TG
Aroclor-1232 [1]	ND	0.46	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 6:01	TG
Aroclor-1242 [1]	0.73	0.46	mg/Kg	1	P-02	SW-846 8082A	2/27/18	3/3/18 6:01	TG
Aroclor-1248 [1]	ND	0.46	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 6:01	TG
Aroclor-1254 [1]	6.2	0.46	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 6:01	TG
Aroclor-1260 [1]	3.2	0.46	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 6:01	TG
Aroclor-1262 [1]	ND	0.46	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 6:01	TG
Aroclor-1268 [1]	ND	0.46	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 6:01	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	65.2	30-150						3/3/18 6:01	
Decachlorobiphenyl [2]	72.3	30-150						3/3/18 6:01	
Tetrachloro-m-xylene [1]	73.8	30-150						3/3/18 6:01	
Tetrachloro-m-xylene [2]	71.1	30-150						3/3/18 6:01	

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

Project Location: English Station-Boiler 1-12 Area,

Sample Description: 1st Fl;SW Hall-Office Area South

Work Order: 18B1051

Date Received: 2/26/2018

Field Sample #: P29B

Sampled: 2/21/2018 12:22

Sample ID: 18B1051-05

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.46	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 6:19	TG
Aroclor-1221 [1]	ND	0.46	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 6:19	TG
Aroclor-1232 [1]	ND	0.46	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 6:19	TG
Aroclor-1242 [2]	0.89	0.46	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 6:19	TG
Aroclor-1248 [1]	ND	0.46	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 6:19	TG
Aroclor-1254 [1]	6.7	0.46	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 6:19	TG
Aroclor-1260 [2]	1.9	0.46	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 6:19	TG
Aroclor-1262 [1]	ND	0.46	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 6:19	TG
Aroclor-1268 [1]	ND	0.46	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 6:19	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	51.6	30-150							
Decachlorobiphenyl [2]	85.7	30-150							
Tetrachloro-m-xylene [1]	85.1	30-150							
Tetrachloro-m-xylene [2]	83.0	30-150							

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

Project Location: English Station-Boiler 1-12 Area,

Sample Description: 1st Fl;SW Hall-Office Area West

Work Order: 18B1051

Date Received: 2/26/2018

Field Sample #: P29C

Sampled: 2/21/2018 12:21

Sample ID: 18B1051-06

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.43	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 6:36	TG
Aroclor-1221 [1]	ND	0.43	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 6:36	TG
Aroclor-1232 [1]	ND	0.43	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 6:36	TG
Aroclor-1242 [2]	0.54	0.43	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 6:36	TG
Aroclor-1248 [1]	ND	0.43	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 6:36	TG
Aroclor-1254 [1]	3.8	0.43	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 6:36	TG
Aroclor-1260 [1]	0.80	0.43	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 6:36	TG
Aroclor-1262 [1]	ND	0.43	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 6:36	TG
Aroclor-1268 [1]	ND	0.43	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 6:36	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	56.2	30-150							
Decachlorobiphenyl [2]	84.5	30-150							
Tetrachloro-m-xylene [1]	81.9	30-150							
Tetrachloro-m-xylene [2]	78.7	30-150							

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

Project Location: English Station-Boiler 1-12 Area,

Sample Description: 1st Fl;SW Hall Office Area Esat

Work Order: 18B1051

Date Received: 2/26/2018

Field Sample #: P30A

Sampled: 2/21/2018 12:16

Sample ID: 18B1051-07

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.38	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 6:54	TG
Aroclor-1221 [1]	ND	0.38	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 6:54	TG
Aroclor-1232 [1]	ND	0.38	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 6:54	TG
Aroclor-1242 [1]	ND	0.38	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 6:54	TG
Aroclor-1248 [1]	ND	0.38	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 6:54	TG
Aroclor-1254 [2]	2.6	0.38	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 6:54	TG
Aroclor-1260 [1]	3.6	0.38	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 6:54	TG
Aroclor-1262 [1]	ND	0.38	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 6:54	TG
Aroclor-1268 [1]	ND	0.38	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 6:54	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	62.0	30-150						3/3/18 6:54	
Decachlorobiphenyl [2]	68.9	30-150						3/3/18 6:54	
Tetrachloro-m-xylene [1]	67.7	30-150						3/3/18 6:54	
Tetrachloro-m-xylene [2]	65.7	30-150						3/3/18 6:54	

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

Project Location: English Station-Boiler 1-12 Area,

Sample Description: 1st Fl;SW Hall-Office Area North

Work Order: 18B1051

Date Received: 2/26/2018

Field Sample #: P30B

Sampled: 2/21/2018 12:18

Sample ID: 18B1051-08

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.36	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 7:12	TG
Aroclor-1221 [1]	ND	0.36	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 7:12	TG
Aroclor-1232 [1]	ND	0.36	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 7:12	TG
Aroclor-1242 [1]	ND	0.36	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 7:12	TG
Aroclor-1248 [1]	ND	0.36	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 7:12	TG
Aroclor-1254 [2]	2.0	0.36	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 7:12	TG
Aroclor-1260 [2]	2.4	0.36	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 7:12	TG
Aroclor-1262 [1]	ND	0.36	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 7:12	TG
Aroclor-1268 [1]	ND	0.36	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 7:12	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	38.5	30-150							
Decachlorobiphenyl [2]	64.2	30-150							
Tetrachloro-m-xylene [1]	65.7	30-150							
Tetrachloro-m-xylene [2]	63.4	30-150							

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

Project Location: English Station-Boiler 1-12 Area,

Sample Description: 1st Fl;SW Hall-Office Area South

Work Order: 18B1051

Date Received: 2/26/2018

Field Sample #: P30C

Sampled: 2/21/2018 12:26

Sample ID: 18B1051-09

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 8:33	TG
Aroclor-1221 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 8:33	TG
Aroclor-1232 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 8:33	TG
Aroclor-1242 [2]	1.6	0.49	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 8:33	TG
Aroclor-1248 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 8:33	TG
Aroclor-1254 [2]	5.3	0.49	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 8:33	TG
Aroclor-1260 [1]	4.5	0.49	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 8:33	TG
Aroclor-1262 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 8:33	TG
Aroclor-1268 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 8:33	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	60.1	30-150							
Decachlorobiphenyl [2]	67.2	30-150							
Tetrachloro-m-xylene [1]	71.3	30-150							
Tetrachloro-m-xylene [2]	68.8	30-150							

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

Project Location: English Station-Boiler 1-12 Area,

Sample Description: 1st Fl;Storage

Work Order: 18B1051

Date Received: 2/26/2018

Field Sample #: P33A

Sampled: 2/19/2018 14:45

Sample ID: 18B1051-10

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.43	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 8:51	TG
Aroclor-1221 [1]	ND	0.43	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 8:51	TG
Aroclor-1232 [1]	ND	0.43	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 8:51	TG
Aroclor-1242 [1]	1.4	0.43	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 8:51	TG
Aroclor-1248 [1]	ND	0.43	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 8:51	TG
Aroclor-1254 [2]	1.4	0.43	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 8:51	TG
Aroclor-1260 [2]	1.1	0.43	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 8:51	TG
Aroclor-1262 [1]	ND	0.43	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 8:51	TG
Aroclor-1268 [1]	ND	0.43	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 8:51	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	42.6	30-150							
Decachlorobiphenyl [2]	72.0	30-150							
Tetrachloro-m-xylene [1]	72.2	30-150							
Tetrachloro-m-xylene [2]	69.3	30-150							

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

Project Location: English Station-Boiler 1-12 Area,

Sample Description: 1st Fl;Storage

Work Order: 18B1051

Date Received: 2/26/2018

Field Sample #: P33B

Sampled: 2/19/2018 15:00

Sample ID: 18B1051-11

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.41	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 9:08	TG
Aroclor-1221 [1]	ND	0.41	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 9:08	TG
Aroclor-1232 [1]	ND	0.41	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 9:08	TG
Aroclor-1242 [2]	2.6	0.41	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 9:08	TG
Aroclor-1248 [1]	ND	0.41	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 9:08	TG
Aroclor-1254 [2]	3.0	0.41	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 9:08	TG
Aroclor-1260 [1]	2.0	0.41	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 9:08	TG
Aroclor-1262 [1]	ND	0.41	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 9:08	TG
Aroclor-1268 [1]	ND	0.41	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 9:08	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	50.8	30-150						3/3/18 9:08	
Decachlorobiphenyl [2]	76.4	30-150						3/3/18 9:08	
Tetrachloro-m-xylene [1]	77.7	30-150						3/3/18 9:08	
Tetrachloro-m-xylene [2]	73.9	30-150						3/3/18 9:08	

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

Project Location: English Station-Boiler 1-12 Area,

Sample Description: 1st FI,FOPR2

Work Order: 18B1051

Date Received: 2/26/2018

Field Sample #: P33C

Sampled: 2/19/2018 15:40

Sample ID: 18B1051-12

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.43	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 9:26	TG
Aroclor-1221 [1]	ND	0.43	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 9:26	TG
Aroclor-1232 [1]	ND	0.43	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 9:26	TG
Aroclor-1242 [1]	ND	0.43	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 9:26	TG
Aroclor-1248 [1]	ND	0.43	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 9:26	TG
Aroclor-1254 [1]	ND	0.43	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 9:26	TG
Aroclor-1260 [1]	ND	0.43	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 9:26	TG
Aroclor-1262 [1]	ND	0.43	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 9:26	TG
Aroclor-1268 [1]	ND	0.43	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 9:26	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	49.5	30-150						3/3/18 9:26	
Decachlorobiphenyl [2]	55.8	30-150						3/3/18 9:26	
Tetrachloro-m-xylene [1]	62.8	30-150						3/3/18 9:26	
Tetrachloro-m-xylene [2]	60.8	30-150						3/3/18 9:26	

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

Project Location: English Station-Boiler 1-12 Area,

Sample Description: 1st FI,FOPR2

Work Order: 18B1051

Date Received: 2/26/2018

Field Sample #: P34A

Sampled: 2/19/2018 15:20

Sample ID: 18B1051-13

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.39	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 9:44	TG
Aroclor-1221 [1]	ND	0.39	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 9:44	TG
Aroclor-1232 [1]	ND	0.39	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 9:44	TG
Aroclor-1242 [1]	8.0	0.39	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 9:44	TG
Aroclor-1248 [1]	ND	0.39	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 9:44	TG
Aroclor-1254 [2]	2.0	0.39	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 9:44	TG
Aroclor-1260 [2]	2.7	0.39	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 9:44	TG
Aroclor-1262 [1]	ND	0.39	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 9:44	TG
Aroclor-1268 [2]	0.44	0.39	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 9:44	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	52.4	30-150							
Decachlorobiphenyl [2]	86.0	30-150							
Tetrachloro-m-xylene [1]	86.5	30-150							
Tetrachloro-m-xylene [2]	82.8	30-150							

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

Project Location: English Station-Boiler 1-12 Area,

Sample Description: 1st Fl;Gas Cylinder

Work Order: 18B1051

Date Received: 2/26/2018

Field Sample #: P34B

Sampled: 2/19/2018 15:09

Sample ID: 18B1051-14

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1.7	mg/Kg	5		SW-846 8082A	2/27/18	3/3/18 11:47	TG
Aroclor-1221 [1]	ND	1.7	mg/Kg	5		SW-846 8082A	2/27/18	3/3/18 11:47	TG
Aroclor-1232 [1]	ND	1.7	mg/Kg	5		SW-846 8082A	2/27/18	3/3/18 11:47	TG
Aroclor-1242 [2]	3.7	1.7	mg/Kg	5		SW-846 8082A	2/27/18	3/3/18 11:47	TG
Aroclor-1248 [1]	ND	1.7	mg/Kg	5		SW-846 8082A	2/27/18	3/3/18 11:47	TG
Aroclor-1254 [1]	6.9	1.7	mg/Kg	5		SW-846 8082A	2/27/18	3/3/18 11:47	TG
Aroclor-1260 [1]	14	1.7	mg/Kg	5		SW-846 8082A	2/27/18	3/3/18 11:47	TG
Aroclor-1262 [1]	ND	1.7	mg/Kg	5		SW-846 8082A	2/27/18	3/3/18 11:47	TG
Aroclor-1268 [1]	ND	1.7	mg/Kg	5		SW-846 8082A	2/27/18	3/3/18 11:47	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	54.5	30-150							
Decachlorobiphenyl [2]	82.8	30-150							
Tetrachloro-m-xylene [1]	85.7	30-150							
Tetrachloro-m-xylene [2]	85.8	30-150							

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

Project Location: English Station-Boiler 1-12 Area,

Sample Description: 1st Fl; Gas Cylinder

Work Order: 18B1051

Date Received: 2/26/2018

Field Sample #: P34C

Sampled: 2/19/2018 14:52

Sample ID: 18B1051-15

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.42	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 10:19	TG
Aroclor-1221 [1]	ND	0.42	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 10:19	TG
Aroclor-1232 [1]	ND	0.42	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 10:19	TG
Aroclor-1242 [2]	2.0	0.42	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 10:19	TG
Aroclor-1248 [1]	ND	0.42	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 10:19	TG
Aroclor-1254 [2]	4.9	0.42	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 10:19	TG
Aroclor-1260 [1]	5.8	0.42	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 10:19	TG
Aroclor-1262 [1]	ND	0.42	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 10:19	TG
Aroclor-1268 [1]	0.71	0.42	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 10:19	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	93.3	30-150							
Decachlorobiphenyl [2]	103	30-150							
Tetrachloro-m-xylene [1]	98.2	30-150							
Tetrachloro-m-xylene [2]	93.0	30-150							

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

Project Location: English Station-Boiler 1-12 Area,

Sample Description: 1st Fl;Gas Cylinder

Work Order: 18B1051

Date Received: 2/26/2018

Field Sample #: P35A

Sampled: 2/19/2018 14:50

Sample ID: 18B1051-16

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.38	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 10:37	TG
Aroclor-1221 [1]	ND	0.38	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 10:37	TG
Aroclor-1232 [1]	ND	0.38	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 10:37	TG
Aroclor-1242 [2]	2.9	0.38	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 10:37	TG
Aroclor-1248 [1]	ND	0.38	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 10:37	TG
Aroclor-1254 [2]	5.4	0.38	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 10:37	TG
Aroclor-1260 [1]	3.6	0.38	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 10:37	TG
Aroclor-1262 [1]	ND	0.38	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 10:37	TG
Aroclor-1268 [2]	0.47	0.38	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 10:37	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	58.7	30-150							
Decachlorobiphenyl [2]	97.1	30-150							
Tetrachloro-m-xylene [1]	95.3	30-150							
Tetrachloro-m-xylene [2]	90.8	30-150							

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

Project Location: English Station-Boiler 1-12 Area,

Sample Description: 1st Fl;Gas Cylinder

Work Order: 18B1051

Date Received: 2/26/2018

Field Sample #: P35B

Sampled: 2/19/2018 14:45

Sample ID: 18B1051-17

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 10:54	TG
Aroclor-1221 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 10:54	TG
Aroclor-1232 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 10:54	TG
Aroclor-1242 [1]	2.4	0.48	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 10:54	TG
Aroclor-1248 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 10:54	TG
Aroclor-1254 [1]	5.7	0.48	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 10:54	TG
Aroclor-1260 [1]	6.1	0.48	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 10:54	TG
Aroclor-1262 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 10:54	TG
Aroclor-1268 [2]	0.79	0.48	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 10:54	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	65.5	30-150							
Decachlorobiphenyl [2]	98.9	30-150							
Tetrachloro-m-xylene [1]	100	30-150							
Tetrachloro-m-xylene [2]	94.5	30-150							

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

Project Location: English Station-Boiler 1-12 Area,

Sample Description: 1st FI,FOPR2

Work Order: 18B1051

Date Received: 2/26/2018

Field Sample #: P35C

Sampled: 2/19/2018 15:03

Sample ID: 18B1051-18

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.46	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 11:12	TG
Aroclor-1221 [1]	ND	0.46	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 11:12	TG
Aroclor-1232 [1]	ND	0.46	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 11:12	TG
Aroclor-1242 [1]	ND	0.46	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 11:12	TG
Aroclor-1248 [1]	ND	0.46	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 11:12	TG
Aroclor-1254 [2]	0.62	0.46	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 11:12	TG
Aroclor-1260 [1]	0.94	0.46	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 11:12	TG
Aroclor-1262 [1]	ND	0.46	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 11:12	TG
Aroclor-1268 [1]	ND	0.46	mg/Kg	1		SW-846 8082A	2/27/18	3/3/18 11:12	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	81.5	30-150							
Decachlorobiphenyl [2]	90.9	30-150							
Tetrachloro-m-xylene [1]	94.7	30-150							
Tetrachloro-m-xylene [2]	92.3	30-150							

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
18B1051-01 [P27C]	B197814	0.274	10.0	02/27/18
18B1051-02 [P28A]	B197814	0.233	10.0	02/27/18
18B1051-03 [P28B]	B197814	0.260	10.0	02/27/18
18B1051-04 [P29A]	B197814	0.216	10.0	02/27/18
18B1051-05 [P29B]	B197814	0.217	10.0	02/27/18
18B1051-06 [P29C]	B197814	0.232	10.0	02/27/18
18B1051-07 [P30A]	B197814	0.266	10.0	02/27/18
18B1051-08 [P30B]	B197814	0.277	10.0	02/27/18
18B1051-09 [P30C]	B197814	0.206	10.0	02/27/18
18B1051-10 [P33A]	B197814	0.231	10.0	02/27/18
18B1051-11 [P33B]	B197814	0.246	10.0	02/27/18
18B1051-12 [P33C]	B197814	0.235	10.0	02/27/18
18B1051-13 [P34A]	B197814	0.260	10.0	02/27/18
18B1051-14 [P34B]	B197814	0.294	10.0	02/27/18
18B1051-15 [P34C]	B197814	0.241	10.0	02/27/18
18B1051-16 [P35A]	B197814	0.262	10.0	02/27/18
18B1051-17 [P35B]	B197814	0.208	10.0	02/27/18
18B1051-18 [P35C]	B197814	0.216	10.0	02/27/18

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

QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B197814 - SW-846 3540C

Blank (B197814-BLK1)

Prepared: 02/27/18 Analyzed: 03/03/18

Aroclor-1016	ND	0.50	mg/Kg							
Aroclor-1016 [2C]	ND	0.50	mg/Kg							
Aroclor-1221	ND	0.50	mg/Kg							
Aroclor-1221 [2C]	ND	0.50	mg/Kg							
Aroclor-1232	ND	0.50	mg/Kg							
Aroclor-1232 [2C]	ND	0.50	mg/Kg							
Aroclor-1242	ND	0.50	mg/Kg							
Aroclor-1242 [2C]	ND	0.50	mg/Kg							
Aroclor-1248	ND	0.50	mg/Kg							
Aroclor-1248 [2C]	ND	0.50	mg/Kg							
Aroclor-1254	ND	0.50	mg/Kg							
Aroclor-1254 [2C]	ND	0.50	mg/Kg							
Aroclor-1260	ND	0.50	mg/Kg							
Aroclor-1260 [2C]	ND	0.50	mg/Kg							
Aroclor-1262	ND	0.50	mg/Kg							
Aroclor-1262 [2C]	ND	0.50	mg/Kg							
Aroclor-1268	ND	0.50	mg/Kg							
Aroclor-1268 [2C]	ND	0.50	mg/Kg							
Surrogate: Decachlorobiphenyl	8.36		mg/Kg	10.0		83.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	9.29		mg/Kg	10.0		92.9	30-150			
Surrogate: Tetrachloro-m-xylene	9.78		mg/Kg	10.0		97.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	9.27		mg/Kg	10.0		92.7	30-150			

LCS (B197814-BS1)

Prepared: 02/27/18 Analyzed: 03/03/18

Aroclor-1016	2.7	0.50	mg/Kg	2.50		107	40-140			
Aroclor-1016 [2C]	2.6	0.50	mg/Kg	2.50		104	40-140			
Aroclor-1260	2.3	0.50	mg/Kg	2.50		92.1	40-140			
Aroclor-1260 [2C]	2.3	0.50	mg/Kg	2.50		91.9	40-140			
Surrogate: Decachlorobiphenyl	9.35		mg/Kg	10.0		93.5	30-150			
Surrogate: Decachlorobiphenyl [2C]	10.4		mg/Kg	10.0		104	30-150			
Surrogate: Tetrachloro-m-xylene	9.94		mg/Kg	10.0		99.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	9.50		mg/Kg	10.0		95.0	30-150			

LCS Dup (B197814-BSD1)

Prepared: 02/27/18 Analyzed: 03/03/18

Aroclor-1016	2.4	0.50	mg/Kg	2.50		97.7	40-140	9.50	30	
Aroclor-1016 [2C]	2.3	0.50	mg/Kg	2.50		92.4	40-140	11.5	30	
Aroclor-1260	1.9	0.50	mg/Kg	2.50		77.0	40-140	17.8	30	
Aroclor-1260 [2C]	1.9	0.50	mg/Kg	2.50		77.6	40-140	16.8	30	
Surrogate: Decachlorobiphenyl	7.68		mg/Kg	10.0		76.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	8.46		mg/Kg	10.0		84.6	30-150			
Surrogate: Tetrachloro-m-xylene	9.46		mg/Kg	10.0		94.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	8.96		mg/Kg	10.0		89.6	30-150			

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

P27C

Lab Sample ID: 18B1051-01 Date(s) Analyzed: 03/03/2018 03/03/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	0.52	
	2	0.000	0.000	0.000	0.64	20.7
Aroclor-1260	1	0.000	0.000	0.000	1.0	
	2	0.000	0.000	0.000	0.98	2.0

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

P28A

Lab Sample ID: 18B1051-02 Date(s) Analyzed: 03/03/2018 03/03/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	1.6	
	2	0.000	0.000	0.000	2.9	57.8
Aroclor-1260	1	0.000	0.000	0.000	3.0	
	2	0.000	0.000	0.000	2.6	14.3
Aroclor-1268	1	0.000	0.000	0.000	0.44	
	2	0.000	0.000	0.000	0.45	2.3

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

P28B

Lab Sample ID: 18B1051-03 Date(s) Analyzed: 03/03/2018 03/03/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1242	1	0.000	0.000	0.000	0.49	
	2	0.000	0.000	0.000	0.86	54.8
Aroclor-1254	1	0.000	0.000	0.000	1.5	
	2	0.000	0.000	0.000	1.6	6.5
Aroclor-1260	1	0.000	0.000	0.000	2.5	
	2	0.000	0.000	0.000	2.3	8.3

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

P29A

Lab Sample ID: 18B1051-04 Date(s) Analyzed: 03/03/2018 03/03/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1242	1	0.000	0.000	0.000	0.73	
	2	0.000	0.000	0.000	1.2	47.4
Aroclor-1254	1	0.000	0.000	0.000	6.2	
	2	0.000	0.000	0.000	5.6	10.2
Aroclor-1260	1	0.000	0.000	0.000	3.2	
	2	0.000	0.000	0.000	2.7	16.9

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

P29B

Lab Sample ID: 18B1051-05 Date(s) Analyzed: 03/03/2018 03/03/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1242	1	0.000	0.000	0.000	0.75	
	2	0.000	0.000	0.000	0.89	17.1
Aroclor-1254	1	0.000	0.000	0.000	6.7	
	2	0.000	0.000	0.000	6.0	11.0
Aroclor-1260	1	0.000	0.000	0.000	1.9	
	2	0.000	0.000	0.000	1.9	0.0

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

P29C

Lab Sample ID: 18B1051-06 Date(s) Analyzed: 03/03/2018 03/03/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1242	1	0.000	0.000	0.000	0.53	
	2	0.000	0.000	0.000	0.54	1.9
Aroclor-1254	1	0.000	0.000	0.000	3.8	
	2	0.000	0.000	0.000	3.5	8.2
Aroclor-1260	1	0.000	0.000	0.000	0.80	
	2	0.000	0.000	0.000	0.78	2.5

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

P30A

Lab Sample ID: 18B1051-07 Date(s) Analyzed: 03/03/2018 03/03/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	2.4	
	2	0.000	0.000	0.000	2.6	8.0
Aroclor-1260	1	0.000	0.000	0.000	3.6	
	2	0.000	0.000	0.000	3.1	14.9

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

P30B

Lab Sample ID: 18B1051-08 Date(s) Analyzed: 03/03/2018 03/03/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	1.8	
	2	0.000	0.000	0.000	2.0	10.5
Aroclor-1260	1	0.000	0.000	0.000	2.3	
	2	0.000	0.000	0.000	2.4	4.3

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

P30C

Lab Sample ID: 18B1051-09 Date(s) Analyzed: 03/03/2018 03/03/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1242	1	0.000	0.000	0.000	1.1	
	2	0.000	0.000	0.000	1.6	37.0
Aroclor-1254	1	0.000	0.000	0.000	4.5	
	2	0.000	0.000	0.000	5.3	16.3
Aroclor-1260	1	0.000	0.000	0.000	4.5	
	2	0.000	0.000	0.000	4.1	9.3

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

P33A

Lab Sample ID: 18B1051-10 Date(s) Analyzed: 03/03/2018 03/03/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1242	1	0.000	0.000	0.000	1.4	
	2	0.000	0.000	0.000	1.4	0.0
Aroclor-1254	1	0.000	0.000	0.000	1.1	
	2	0.000	0.000	0.000	1.4	24.0
Aroclor-1260	1	0.000	0.000	0.000	0.90	
	2	0.000	0.000	0.000	1.1	20.0

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

P33B

Lab Sample ID: 18B1051-11 Date(s) Analyzed: 03/03/2018 03/03/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1242	1	0.000	0.000	0.000	2.6	
	2	0.000	0.000	0.000	2.6	0.0
Aroclor-1254	1	0.000	0.000	0.000	2.4	
	2	0.000	0.000	0.000	3.0	22.2
Aroclor-1260	1	0.000	0.000	0.000	2.0	
	2	0.000	0.000	0.000	2.0	0.0

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

P34A

Lab Sample ID: 18B1051-13 Date(s) Analyzed: 03/03/2018 03/03/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1242	1	0.000	0.000	0.000	8.0	
	2	0.000	0.000	0.000	7.2	10.5
Aroclor-1254	1	0.000	0.000	0.000	1.7	
	2	0.000	0.000	0.000	2.0	16.2
Aroclor-1260	1	0.000	0.000	0.000	2.4	
	2	0.000	0.000	0.000	2.7	11.8

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

P34B

Lab Sample ID: 18B1051-14 Date(s) Analyzed: 03/03/2018 03/03/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1242	1	0.000	0.000	0.000	3.2	
	2	0.000	0.000	0.000	3.7	14.5
Aroclor-1254	1	0.000	0.000	0.000	6.9	
	2	0.000	0.000	0.000	5.0	31.9
Aroclor-1260	1	0.000	0.000	0.000	14	
	2	0.000	0.000	0.000	14	0.0

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

P34C

Lab Sample ID: 18B1051-15 Date(s) Analyzed: 03/03/2018 03/03/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1242	1	0.000	0.000	0.000	1.8	
	2	0.000	0.000	0.000	2.0	10.5
Aroclor-1254	1	0.000	0.000	0.000	4.6	
	2	0.000	0.000	0.000	4.9	6.3
Aroclor-1260	1	0.000	0.000	0.000	5.8	
	2	0.000	0.000	0.000	4.7	21.0
Aroclor-1268	1	0.000	0.000	0.000	0.71	
	2	0.000	0.000	0.000	0.64	10.4

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

P35A

Lab Sample ID: 18B1051-16 Date(s) Analyzed: 03/03/2018 03/03/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1242	1	0.000	0.000	0.000	2.5	
	2	0.000	0.000	0.000	2.9	14.8
Aroclor-1254	1	0.000	0.000	0.000	4.5	
	2	0.000	0.000	0.000	5.4	18.2
Aroclor-1260	1	0.000	0.000	0.000	3.6	
	2	0.000	0.000	0.000	3.5	2.8

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

P35B

Lab Sample ID: 18B1051-17 Date(s) Analyzed: 03/03/2018 03/03/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1242	1	0.000	0.000	0.000	2.4	
	2	0.000	0.000	0.000	2.4	0.0
Aroclor-1254	1	0.000	0.000	0.000	5.7	
	2	0.000	0.000	0.000	6.1	6.8
Aroclor-1260	1	0.000	0.000	0.000	6.1	
	2	0.000	0.000	0.000	5.1	17.9
Aroclor-1268	1	0.000	0.000	0.000	0.70	
	2	0.000	0.000	0.000	0.79	12.1

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES***SW-846 8082A***P35C**Lab Sample ID: 18B1051-18 Date(s) Analyzed: 03/03/2018 03/03/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	0.52	
	2	0.000	0.000	0.000	0.62	17.5
Aroclor-1260	1	0.000	0.000	0.000	0.94	
	2	0.000	0.000	0.000	0.91	3.2

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.
P-02	Sample RPD between primary and confirmatory analysis exceeded 40%. Per EPA method 8000, the lower value was reported due to obvious chromatographic interference on the column with the higher result.

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

CERTIFICATIONS

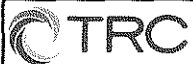
Certified Analyses included in this Report

Analyte	Certifications
---------	----------------

No certified Analyses included in this Report

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

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



21 GRIFFIN ROAD NORTH
WINDSOR, CONNECTICUT 06095
TELEPHONE (860) 298-9692
FAX (860) 298-6380

Edition: September 2007
Supersede Previous Edition

18B1051
CHAIN OF CUSTODY

PROJECT NUMBER		PROJECT NAME		PARAMETERS		CONTAINERS		LAB ID #.				
263951		English Station - Boiler 1-12 Area New Haven, CT						TURNAROUND TIME				
SIGNATURE		INSPECTOR						x Standard TAT 7-10 Days				
		Mark Kearney/Gregory Kaczynski						Rush TAT Date Needed:				
Lab ID:	SAMPLE ID:	DATE	TIME	TYPE	SAMPLE LOCATION	EPA 8082 (3540)	# of Amber Glass	# of Clear Glass	Matrix (X1= caulk/glaze X2= paint, X3=other solid)	Preservative	NOTES	
				COMP	GRAB							
01	P27C	2/19/18	1345		X	1st flr - SW Hall	X		X	X2	---	
02	P28A		1416		X	- SW Hall (North)	X				---	
03	P28B		1411		X	- (South)	X				---	
04	P29A	2/21/18	1220		X	- office area East	X				---	
05	P29B		1222		X	- " " South	X				---	
06	P29C		1224		X	- " " West	X				---	
07	P30A		1216		X	- " " East	X				---	
08	P30B		1218		X	- " " North	X				---	
09	P30C		1226		X	- " " South	X				---	
10	P33A	2/19/18	1445		X	- storage	X				---	
11	P33B		1500		X	- storage	X				---	

Relinquished by: (Signature)	Date:	Received by: (Signature)	Relinquished by: (Signature)	Date:	Received by: (Signature)
	2/23/18			2/26/18 1700	
(Printed)	Time:	(Printed)	(Printed)	Time:	(Printed)
Gregory Kaczynski	1630				
Remarks: Report to: Include CT DPH RCP Report				Condition upon Receipt: Page 7 of 8	



21 GRIFFIN ROAD NORTH
WINDSOR, CONNECTICUT 06095
TELEPHONE (860) 298-9692
FAX (860) 298-6380

18 B1051
CHAIN OF CUSTODY

Edition: September 2007
Supersede Previous Edition

PROJECT NUMBER		PROJECT NAME		PARAMETERS		CONTAINERS		LAB ID #.		TURNAROUND TIME	
263951		English Station - Boiler 1-12 Area New Haven, CT								x Standard TAT 7-10 Days	
SIGNATURE		INSPECTOR								Rush TAT Date Needed:	
		Mark Kearney/Gregory Kaczynski								NOTES	
Lab ID:	SAMPLE ID:	DATE	TIME	TYPE		SAMPLE LOCATION	EPA 8082 (3540)	# of Amber Glass	# of Clear Glass	Matrix (X1= caulk/glaze X2= paint, X3=other solid)	Preservative
				COMP	GRAB						
12	P33C	2/19/18	1540		X	1st flr - FOPR2	X		X	X2	---
13	P34A		1520		X	- FOPR2	X				---
14	P34B		1509		X	- gas cylinder	X				---
15	P34C		1452		X	" "	X				---
16	P35A		1450		X	" "	X				---
17	P35B		1445		X	" "	X				---
18	P35C		1503		X	- FOPR2	X				---
					X		X				---
					X		X				---
					X		X				---
					X		X				---

Relinquished by: (Signature)	Date:	Received by: (Signature)	Date:	Relinquished by: (Signature)	Date:	Received by: (Signature)
	2/23/18		2/24/18 12		2/24/18 1700	
(Printed)	Time:	(Printed)	Time:	(Printed)	Time:	(Printed)
Gregory Kaczynski	1630					
Remarks: Report to: Include CT DPH RCP Report				Condition upon Receipt:		Page 8 of 8


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 TJC

Received By NAP Date 2/20/18 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 # 577 Actual Temp - 4.2

By Blank # Actual Temp -

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

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

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

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

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

Project T ID's T Collection Dates/Times T

Are Sample labels filled out and legible? T

Are there Lab to Filters? F Who was notified?

Are there Rushes? F Who was notified?

Are there Short Holds? F Who was notified?

Is there enough Volume? T

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

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

Were trip blanks received? F On COC? F

Do all samples have the proper pH? NA Acid Base

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

Unused Media

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

Comments:



REASONABLE CONFIDENCE PROTOCOL LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory

Client: United Illuminating Company

Project Location: English Station-Boiler 1-12 Area, New Haven, CT

Project Number: 18B1051

Laboratory Sample ID(s):
18B1051-01 thru 18B1051-18

Sample Date(s):

02/19/2018,
02/21/2018

List RCP Methods Used:

SW-846 8082A

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

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

This form may not be altered and all questions must be answered.

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: Project Manager
Printed Name: Lisa A. Worthington
Date: 03/05/18
Name of Laboratory: Con-Test Analytical Laboratory

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

March 19, 2018

Chris Mocciae
United Illuminating Company
180 Marsh Hill Road
Orange, CT 06477

Project Location: English Station
Client Job Number:
Project Number: 263951
Laboratory Work Order Number: 18C0251

Enclosed are results of analyses for samples received by the laboratory on March 6, 2018. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jessica L. Hoffman
Project Manager

Table of Contents

Sample Summary	4
Case Narrative	5
Sample Results	6
18C0251-01	6
18C0251-02	7
18C0251-03	8
18C0251-04	9
18C0251-05	10
18C0251-06	11
18C0251-07	12
18C0251-08	13
18C0251-09	14
18C0251-10	15
18C0251-11	16
18C0251-12	17
18C0251-13	18
18C0251-14	19
18C0251-15	20
18C0251-16	21
18C0251-17	22
18C0251-18	23
18C0251-19	24
18C0251-20	25
Sample Preparation Information	26
QC Data	27

Table of Contents (continued)

Polychlorinated Biphenyls with 3540 Soxhlet Extraction	27
B198311	27
B198503	28
B198804	29
Dual Column RPD Report	30
Flag/Qualifier Summary	49
Certifications	50
Chain of Custody/Sample Receipt	51

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

United Illuminating Company
180 Marsh Hill Road
Orange, CT 06477
ATTN: Chris Moccia

REPORT DATE: 3/19/2018

PURCHASE ORDER NUMBER: 4500446141

PROJECT NUMBER: 263951

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 18C0251

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

PROJECT LOCATION: English Station

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
FT2B	18C0251-01	Product/Solid	2nd fl rest rm	SW-846 8082A	
FT2C	18C0251-02	Product/Solid	2nd fl rest rm	SW-846 8082A	
P5G/P33	18C0251-03	Paint	1st fl fuel oil pump rm #2	SW-846 8082A	
P5H	18C0251-04	Paint	1st fl storage room	SW-846 8082A	
P6B	18C0251-05	Paint	1st fl SW hall; S door	SW-846 8082A	
P6C	18C0251-06	Paint	1st fl BF pump hall (S)	SW-846 8082A	
P7B	18C0251-07	Paint	1st fl storage room	SW-846 8082A	
P7C	18C0251-08	Paint	1st fl fuel oil pump rm #2	SW-846 8082A	
P11B	18C0251-09	Paint	1st fl stairs S of F.O.P.R	SW-846 8082A	
P11C	18C0251-10	Paint	1st fl stairs S of F.O.P.R	SW-846 8082A	
P13B	18C0251-11	Paint	1st fl BF pump hall window (west)	SW-846 8082A	
P17B	18C0251-12	Paint	1st fl stairs S of F.O.P.R	SW-846 8082A	
P17C	18C0251-13	Paint	1st fl stairs S of F.O.P.R	SW-846 8082A	
P19B	18C0251-14	Paint	1st fl BF pump rm (N)	SW-846 8082A	
P31A	18C0251-15	Paint	1st SW hall; office door frame	SW-846 8082A	
P31B	18C0251-16	Paint	1st SW hall; office door frame	SW-846 8082A	
P32A	18C0251-17	Paint	1st fl SW hall; cabinet	SW-846 8082A	
P32B	18C0251-18	Paint	1st fl SW hall; cabinet	SW-846 8082A	
P36A	18C0251-19	Paint	1st fl gas cylinder rm	SW-846 8082A	
P36B	18C0251-20	Paint	1st fl gas cylinder rm	SW-846 8082A	

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

CASE NARRATIVE SUMMARY

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

SW-846 8082A

Qualifications:

P-01

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

Analyte & Samples(s) Qualified:

Aroclor-1254 [2C]

18C0251-02[FT2C]

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 "Tod Kopyscinski", written in a cursive style.

Tod E. Kopyscinski
Laboratory Director

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

Project Location: English Station

Sample Description: 2nd fl rest rm

Work Order: 18C0251

Date Received: 3/6/2018

Field Sample #: FT2B

Sampled: 2/28/2018 13:10

Sample ID: 18C0251-01

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	3/14/18	3/15/18 12:16	TG
Aroclor-1221 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	3/14/18	3/15/18 12:16	TG
Aroclor-1232 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	3/14/18	3/15/18 12:16	TG
Aroclor-1242 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	3/14/18	3/15/18 12:16	TG
Aroclor-1248 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	3/14/18	3/15/18 12:16	TG
Aroclor-1254 [2]	0.15	0.090	mg/Kg	1		SW-846 8082A	3/14/18	3/15/18 12:16	TG
Aroclor-1260 [2]	0.29	0.090	mg/Kg	1		SW-846 8082A	3/14/18	3/15/18 12:16	TG
Aroclor-1262 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	3/14/18	3/15/18 12:16	TG
Aroclor-1268 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	3/14/18	3/15/18 12:16	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	41.9	30-150							
Decachlorobiphenyl [2]	43.9	30-150							
Tetrachloro-m-xylene [1]	41.0	30-150							
Tetrachloro-m-xylene [2]	40.6	30-150							

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

Project Location: English Station

Sample Description: 2nd fl rest rm

Work Order: 18C0251

Date Received: 3/6/2018

Field Sample #: FT2C

Sampled: 2/28/2018 15:15

Sample ID: 18C0251-02

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	3/6/18	3/13/18 8:29	PJG
Aroclor-1221 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	3/6/18	3/13/18 8:29	PJG
Aroclor-1232 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	3/6/18	3/13/18 8:29	PJG
Aroclor-1242 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	3/6/18	3/13/18 8:29	PJG
Aroclor-1248 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	3/6/18	3/13/18 8:29	PJG
Aroclor-1254 [2]	0.16	0.095	mg/Kg	1	P-01	SW-846 8082A	3/6/18	3/13/18 8:29	PJG
Aroclor-1260 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	3/6/18	3/13/18 8:29	PJG
Aroclor-1262 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	3/6/18	3/13/18 8:29	PJG
Aroclor-1268 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	3/6/18	3/13/18 8:29	PJG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	31.5	30-150							
Decachlorobiphenyl [2]	32.7	30-150							
Tetrachloro-m-xylene [1]	35.2	30-150							
Tetrachloro-m-xylene [2]	36.9	30-150							

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

Project Location: English Station

Sample Description: 1st fl fuel oil pump rm #2

Work Order: 18C0251

Date Received: 3/6/2018

Field Sample #: P5G/P33

Sampled: 2/26/2018 12:40

Sample ID: 18C0251-03

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.44	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 1:42	KAL
Aroclor-1221 [1]	ND	0.44	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 1:42	KAL
Aroclor-1232 [1]	ND	0.44	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 1:42	KAL
Aroclor-1242 [1]	ND	0.44	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 1:42	KAL
Aroclor-1248 [1]	ND	0.44	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 1:42	KAL
Aroclor-1254 [2]	1.2	0.44	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 1:42	KAL
Aroclor-1260 [2]	2.8	0.44	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 1:42	KAL
Aroclor-1262 [1]	ND	0.44	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 1:42	KAL
Aroclor-1268 [2]	ND	0.44	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 1:42	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	91.4	30-150						3/16/18 1:42	
Decachlorobiphenyl [2]	85.9	30-150						3/16/18 1:42	
Tetrachloro-m-xylene [1]	90.3	30-150						3/16/18 1:42	
Tetrachloro-m-xylene [2]	86.3	30-150						3/16/18 1:42	

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

Project Location: English Station

Sample Description: 1st fl storage room

Work Order: 18C0251

Date Received: 3/6/2018

Field Sample #: P5H

Sampled: 2/26/2018 10:05

Sample ID: 18C0251-04

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 2:00	KAL
Aroclor-1221 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 2:00	KAL
Aroclor-1232 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 2:00	KAL
Aroclor-1242 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 2:00	KAL
Aroclor-1248 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 2:00	KAL
Aroclor-1254 [2]	1.3	0.49	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 2:00	KAL
Aroclor-1260 [1]	3.0	0.49	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 2:00	KAL
Aroclor-1262 [1]	ND	0.49	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 2:00	KAL
Aroclor-1268 [2]	ND	0.49	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 2:00	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	103	30-150						3/16/18 2:00	
Decachlorobiphenyl [2]	97.1	30-150						3/16/18 2:00	
Tetrachloro-m-xylene [1]	96.7	30-150						3/16/18 2:00	
Tetrachloro-m-xylene [2]	91.7	30-150						3/16/18 2:00	

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

Project Location: English Station

Sample Description: 1st fl SW hall; S door

Work Order: 18C0251

Date Received: 3/6/2018

Field Sample #: P6B

Sampled: 2/26/2018 11:30

Sample ID: 18C0251-05

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.47	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 2:18	KAL
Aroclor-1221 [1]	ND	0.47	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 2:18	KAL
Aroclor-1232 [1]	ND	0.47	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 2:18	KAL
Aroclor-1242 [1]	ND	0.47	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 2:18	KAL
Aroclor-1248 [1]	ND	0.47	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 2:18	KAL
Aroclor-1254 [2]	1.7	0.47	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 2:18	KAL
Aroclor-1260 [1]	2.3	0.47	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 2:18	KAL
Aroclor-1262 [1]	ND	0.47	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 2:18	KAL
Aroclor-1268 [2]	ND	0.47	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 2:18	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	99.7	30-150						3/16/18 2:18	
Decachlorobiphenyl [2]	93.5	30-150						3/16/18 2:18	
Tetrachloro-m-xylene [1]	91.9	30-150						3/16/18 2:18	
Tetrachloro-m-xylene [2]	88.4	30-150						3/16/18 2:18	

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

Project Location: English Station

Sample Description: 1st fl BF pump hall (S)

Work Order: 18C0251

Date Received: 3/6/2018

Field Sample #: P6C

Sampled: 2/26/2018 15:05

Sample ID: 18C0251-06

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	4.6	mg/Kg	10		SW-846 8082A	3/9/18	3/16/18 2:35	KAL
Aroclor-1221 [1]	ND	4.6	mg/Kg	10		SW-846 8082A	3/9/18	3/16/18 2:35	KAL
Aroclor-1232 [1]	ND	4.6	mg/Kg	10		SW-846 8082A	3/9/18	3/16/18 2:35	KAL
Aroclor-1242 [1]	ND	4.6	mg/Kg	10		SW-846 8082A	3/9/18	3/16/18 2:35	KAL
Aroclor-1248 [1]	ND	4.6	mg/Kg	10		SW-846 8082A	3/9/18	3/16/18 2:35	KAL
Aroclor-1254 [1]	6.1	4.6	mg/Kg	10		SW-846 8082A	3/9/18	3/16/18 2:35	KAL
Aroclor-1260 [1]	19	4.6	mg/Kg	10		SW-846 8082A	3/9/18	3/16/18 2:35	KAL
Aroclor-1262 [1]	ND	4.6	mg/Kg	10		SW-846 8082A	3/9/18	3/16/18 2:35	KAL
Aroclor-1268 [2]	ND	4.6	mg/Kg	10		SW-846 8082A	3/9/18	3/16/18 2:35	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	121	30-150						3/16/18 2:35	
Decachlorobiphenyl [2]	115	30-150						3/16/18 2:35	
Tetrachloro-m-xylene [1]	104	30-150						3/16/18 2:35	
Tetrachloro-m-xylene [2]	107	30-150						3/16/18 2:35	

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

Project Location: English Station

Sample Description: 1st fl storage room

Work Order: 18C0251

Date Received: 3/6/2018

Field Sample #: P7B

Sampled: 2/26/2018 09:50

Sample ID: 18C0251-07

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.47	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 2:53	KAL
Aroclor-1221 [1]	ND	0.47	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 2:53	KAL
Aroclor-1232 [1]	ND	0.47	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 2:53	KAL
Aroclor-1242 [1]	ND	0.47	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 2:53	KAL
Aroclor-1248 [1]	ND	0.47	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 2:53	KAL
Aroclor-1254 [2]	0.65	0.47	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 2:53	KAL
Aroclor-1260 [2]	0.91	0.47	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 2:53	KAL
Aroclor-1262 [1]	ND	0.47	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 2:53	KAL
Aroclor-1268 [2]	ND	0.47	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 2:53	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	59.6	30-150							
Decachlorobiphenyl [2]	76.8	30-150							
Tetrachloro-m-xylene [1]	60.8	30-150							
Tetrachloro-m-xylene [2]	59.7	30-150							

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

Project Location: English Station

Sample Description: 1st fl fuel oil pump rm #2

Work Order: 18C0251

Date Received: 3/6/2018

Field Sample #: P7C

Sampled: 2/26/2018 10:45

Sample ID: 18C0251-08

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.44	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 3:11	KAL
Aroclor-1221 [1]	ND	0.44	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 3:11	KAL
Aroclor-1232 [1]	ND	0.44	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 3:11	KAL
Aroclor-1242 [1]	ND	0.44	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 3:11	KAL
Aroclor-1248 [1]	ND	0.44	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 3:11	KAL
Aroclor-1254 [2]	2.3	0.44	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 3:11	KAL
Aroclor-1260 [1]	3.3	0.44	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 3:11	KAL
Aroclor-1262 [1]	ND	0.44	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 3:11	KAL
Aroclor-1268 [2]	ND	0.44	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 3:11	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	74.6	30-150							
Decachlorobiphenyl [2]	94.2	30-150							
Tetrachloro-m-xylene [1]	76.5	30-150							
Tetrachloro-m-xylene [2]	72.9	30-150							

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

Project Location: English Station

Sample Description: 1st fl stairs S of F.O.P.R

Work Order: 18C0251

Date Received: 3/6/2018

Field Sample #: P11B

Sampled: 2/26/2018 10:55

Sample ID: 18C0251-09

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 3:29	KAL
Aroclor-1221 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 3:29	KAL
Aroclor-1232 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 3:29	KAL
Aroclor-1242 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 3:29	KAL
Aroclor-1248 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 3:29	KAL
Aroclor-1254 [2]	2.9	0.48	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 3:29	KAL
Aroclor-1260 [1]	7.7	0.48	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 3:29	KAL
Aroclor-1262 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 3:29	KAL
Aroclor-1268 [2]	ND	0.48	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 3:29	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	97.4	30-150						3/16/18 3:29	
Decachlorobiphenyl [2]	93.0	30-150						3/16/18 3:29	
Tetrachloro-m-xylene [1]	93.7	30-150						3/16/18 3:29	
Tetrachloro-m-xylene [2]	88.8	30-150						3/16/18 3:29	

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

Project Location: English Station

Sample Description: 1st fl stairs S of F.O.P.R

Work Order: 18C0251

Date Received: 3/6/2018

Field Sample #: P11C

Sampled: 2/26/2018 11:00

Sample ID: 18C0251-10

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 3:47	KAL
Aroclor-1221 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 3:47	KAL
Aroclor-1232 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 3:47	KAL
Aroclor-1242 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 3:47	KAL
Aroclor-1248 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 3:47	KAL
Aroclor-1254 [2]	1.8	0.48	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 3:47	KAL
Aroclor-1260 [1]	5.1	0.48	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 3:47	KAL
Aroclor-1262 [1]	ND	0.48	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 3:47	KAL
Aroclor-1268 [2]	ND	0.48	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 3:47	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	106	30-150							
Decachlorobiphenyl [2]	98.1	30-150							
Tetrachloro-m-xylene [1]	100	30-150							
Tetrachloro-m-xylene [2]	95.3	30-150							

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

Project Location: English Station

Sample Description: 1st fl BF pump hall window (west)

Work Order: 18C0251

Date Received: 3/6/2018

Field Sample #: P13B

Sampled: 2/26/2018 15:00

Sample ID: 18C0251-11

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.46	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 4:05	KAL
Aroclor-1221 [1]	ND	0.46	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 4:05	KAL
Aroclor-1232 [1]	ND	0.46	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 4:05	KAL
Aroclor-1242 [1]	ND	0.46	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 4:05	KAL
Aroclor-1248 [1]	ND	0.46	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 4:05	KAL
Aroclor-1254 [1]	1.6	0.46	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 4:05	KAL
Aroclor-1260 [2]	2.7	0.46	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 4:05	KAL
Aroclor-1262 [1]	ND	0.46	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 4:05	KAL
Aroclor-1268 [2]	ND	0.46	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 4:05	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	91.6	30-150						3/16/18 4:05	
Decachlorobiphenyl [2]	86.6	30-150						3/16/18 4:05	
Tetrachloro-m-xylene [1]	89.6	30-150						3/16/18 4:05	
Tetrachloro-m-xylene [2]	84.2	30-150						3/16/18 4:05	

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

Project Location: English Station

Sample Description: 1st fl stairs S of F.O.P.R

Work Order: 18C0251

Date Received: 3/6/2018

Field Sample #: P17B

Sampled: 2/26/2018 11:00

Sample ID: 18C0251-12

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	2.3	mg/Kg	5		SW-846 8082A	3/9/18	3/16/18 5:31	KAL
Aroclor-1221 [1]	ND	2.3	mg/Kg	5		SW-846 8082A	3/9/18	3/16/18 5:31	KAL
Aroclor-1232 [1]	ND	2.3	mg/Kg	5		SW-846 8082A	3/9/18	3/16/18 5:31	KAL
Aroclor-1242 [1]	ND	2.3	mg/Kg	5		SW-846 8082A	3/9/18	3/16/18 5:31	KAL
Aroclor-1248 [1]	ND	2.3	mg/Kg	5		SW-846 8082A	3/9/18	3/16/18 5:31	KAL
Aroclor-1254 [2]	5.9	2.3	mg/Kg	5		SW-846 8082A	3/9/18	3/16/18 5:31	KAL
Aroclor-1260 [2]	15	2.3	mg/Kg	5		SW-846 8082A	3/9/18	3/16/18 5:31	KAL
Aroclor-1262 [1]	ND	2.3	mg/Kg	5		SW-846 8082A	3/9/18	3/16/18 5:31	KAL
Aroclor-1268 [2]	ND	2.3	mg/Kg	5		SW-846 8082A	3/9/18	3/16/18 5:31	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	87.8	30-150						3/16/18 5:31	
Decachlorobiphenyl [2]	82.8	30-150						3/16/18 5:31	
Tetrachloro-m-xylene [1]	87.6	30-150						3/16/18 5:31	
Tetrachloro-m-xylene [2]	88.5	30-150						3/16/18 5:31	

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

Project Location: English Station

Sample Description: 1st fl stairs S of F.O.P.R

Work Order: 18C0251

Date Received: 3/6/2018

Field Sample #: P17C

Sampled: 2/26/2018 14:56

Sample ID: 18C0251-13

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.46	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 5:49	KAL
Aroclor-1221 [1]	ND	0.46	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 5:49	KAL
Aroclor-1232 [1]	ND	0.46	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 5:49	KAL
Aroclor-1242 [1]	ND	0.46	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 5:49	KAL
Aroclor-1248 [1]	ND	0.46	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 5:49	KAL
Aroclor-1254 [2]	4.2	0.46	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 5:49	KAL
Aroclor-1260 [1]	3.6	0.46	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 5:49	KAL
Aroclor-1262 [1]	ND	0.46	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 5:49	KAL
Aroclor-1268 [2]	ND	0.46	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 5:49	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	106	30-150						3/16/18 5:49	
Decachlorobiphenyl [2]	97.2	30-150						3/16/18 5:49	
Tetrachloro-m-xylene [1]	98.9	30-150						3/16/18 5:49	
Tetrachloro-m-xylene [2]	93.8	30-150						3/16/18 5:49	

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

Project Location: English Station

Sample Description: 1st fl BF pump rm (N)

Work Order: 18C0251

Date Received: 3/6/2018

Field Sample #: P19B

Sampled: 2/26/2018 14:53

Sample ID: 18C0251-14

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	2.4	mg/Kg	5		SW-846 8082A	3/9/18	3/16/18 6:07	KAL
Aroclor-1221 [1]	ND	2.4	mg/Kg	5		SW-846 8082A	3/9/18	3/16/18 6:07	KAL
Aroclor-1232 [1]	ND	2.4	mg/Kg	5		SW-846 8082A	3/9/18	3/16/18 6:07	KAL
Aroclor-1242 [1]	ND	2.4	mg/Kg	5		SW-846 8082A	3/9/18	3/16/18 6:07	KAL
Aroclor-1248 [1]	ND	2.4	mg/Kg	5		SW-846 8082A	3/9/18	3/16/18 6:07	KAL
Aroclor-1254 [2]	8.7	2.4	mg/Kg	5		SW-846 8082A	3/9/18	3/16/18 6:07	KAL
Aroclor-1260 [2]	13	2.4	mg/Kg	5		SW-846 8082A	3/9/18	3/16/18 6:07	KAL
Aroclor-1262 [1]	ND	2.4	mg/Kg	5		SW-846 8082A	3/9/18	3/16/18 6:07	KAL
Aroclor-1268 [2]	ND	2.4	mg/Kg	5		SW-846 8082A	3/9/18	3/16/18 6:07	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	126	30-150						3/16/18 6:07	
Decachlorobiphenyl [2]	119	30-150						3/16/18 6:07	
Tetrachloro-m-xylene [1]	109	30-150						3/16/18 6:07	
Tetrachloro-m-xylene [2]	108	30-150						3/16/18 6:07	

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

Project Location: English Station

Sample Description: 1st SW hall; office door frame

Work Order: 18C0251

Date Received: 3/6/2018

Field Sample #: P31A

Sampled: 2/26/2018 09:30

Sample ID: 18C0251-15

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.46	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 6:25	KAL
Aroclor-1221 [1]	ND	0.46	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 6:25	KAL
Aroclor-1232 [1]	ND	0.46	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 6:25	KAL
Aroclor-1242 [1]	ND	0.46	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 6:25	KAL
Aroclor-1248 [2]	2.3	0.46	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 6:25	KAL
Aroclor-1254 [2]	4.3	0.46	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 6:25	KAL
Aroclor-1260 [1]	3.4	0.46	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 6:25	KAL
Aroclor-1262 [1]	ND	0.46	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 6:25	KAL
Aroclor-1268 [2]	ND	0.46	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 6:25	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	87.8	30-150						3/16/18 6:25	
Decachlorobiphenyl [2]	82.0	30-150						3/16/18 6:25	
Tetrachloro-m-xylene [1]	85.9	30-150						3/16/18 6:25	
Tetrachloro-m-xylene [2]	82.2	30-150						3/16/18 6:25	

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

Project Location: English Station

Sample Description: 1st SW hall; office door frame

Work Order: 18C0251

Date Received: 3/6/2018

Field Sample #: P31B

Sampled: 2/26/2018 09:32

Sample ID: 18C0251-16

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.45	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 6:43	KAL
Aroclor-1221 [1]	ND	0.45	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 6:43	KAL
Aroclor-1232 [1]	ND	0.45	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 6:43	KAL
Aroclor-1242 [1]	ND	0.45	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 6:43	KAL
Aroclor-1248 [1]	2.5	0.45	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 6:43	KAL
Aroclor-1254 [2]	4.6	0.45	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 6:43	KAL
Aroclor-1260 [1]	3.0	0.45	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 6:43	KAL
Aroclor-1262 [1]	ND	0.45	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 6:43	KAL
Aroclor-1268 [2]	ND	0.45	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 6:43	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	89.9	30-150						3/16/18 6:43	
Decachlorobiphenyl [2]	84.2	30-150						3/16/18 6:43	
Tetrachloro-m-xylene [1]	85.8	30-150						3/16/18 6:43	
Tetrachloro-m-xylene [2]	81.7	30-150						3/16/18 6:43	

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

Project Location: English Station

Sample Description: 1st fl SW hall; cabinet

Work Order: 18C0251

Date Received: 3/6/2018

Field Sample #: P32A

Sampled: 2/26/2018 09:40

Sample ID: 18C0251-17

Sample Matrix: Paint

Polychlorinated 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	1		SW-846 8082A	3/9/18	3/16/18 7:02	KAL
Aroclor-1221 [1]	ND	0.50	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 7:02	KAL
Aroclor-1232 [1]	ND	0.50	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 7:02	KAL
Aroclor-1242 [1]	ND	0.50	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 7:02	KAL
Aroclor-1248 [2]	1.3	0.50	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 7:02	KAL
Aroclor-1254 [1]	3.7	0.50	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 7:02	KAL
Aroclor-1260 [2]	7.8	0.50	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 7:02	KAL
Aroclor-1262 [1]	ND	0.50	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 7:02	KAL
Aroclor-1268 [2]	ND	0.50	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 7:02	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	75.2	30-150						3/16/18 7:02	
Decachlorobiphenyl [2]	71.1	30-150						3/16/18 7:02	
Tetrachloro-m-xylene [1]	75.3	30-150						3/16/18 7:02	
Tetrachloro-m-xylene [2]	71.9	30-150						3/16/18 7:02	

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

Project Location: English Station

Sample Description: 1st fl SW hall; cabinet

Work Order: 18C0251

Date Received: 3/6/2018

Field Sample #: P32B

Sampled: 2/26/2018 09:45

Sample ID: 18C0251-18

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.47	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 7:20	KAL
Aroclor-1221 [1]	ND	0.47	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 7:20	KAL
Aroclor-1232 [1]	ND	0.47	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 7:20	KAL
Aroclor-1242 [1]	ND	0.47	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 7:20	KAL
Aroclor-1248 [2]	1.5	0.47	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 7:20	KAL
Aroclor-1254 [1]	4.2	0.47	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 7:20	KAL
Aroclor-1260 [2]	7.5	0.47	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 7:20	KAL
Aroclor-1262 [1]	ND	0.47	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 7:20	KAL
Aroclor-1268 [2]	ND	0.47	mg/Kg	1		SW-846 8082A	3/9/18	3/16/18 7:20	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	101	30-150						3/16/18 7:20	
Decachlorobiphenyl [2]	95.6	30-150						3/16/18 7:20	
Tetrachloro-m-xylene [1]	96.7	30-150						3/16/18 7:20	
Tetrachloro-m-xylene [2]	91.3	30-150						3/16/18 7:20	

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

Project Location: English Station

Sample Description: 1st fl gas cylinder rm

Work Order: 18C0251

Date Received: 3/6/2018

Field Sample #: P36A

Sampled: 2/26/2018 10:05

Sample ID: 18C0251-19

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	2.3	mg/Kg	5		SW-846 8082A	3/9/18	3/16/18 7:38	KAL
Aroclor-1221 [1]	ND	2.3	mg/Kg	5		SW-846 8082A	3/9/18	3/16/18 7:38	KAL
Aroclor-1232 [1]	ND	2.3	mg/Kg	5		SW-846 8082A	3/9/18	3/16/18 7:38	KAL
Aroclor-1242 [1]	ND	2.3	mg/Kg	5		SW-846 8082A	3/9/18	3/16/18 7:38	KAL
Aroclor-1248 [2]	8.0	2.3	mg/Kg	5		SW-846 8082A	3/9/18	3/16/18 7:38	KAL
Aroclor-1254 [2]	11	2.3	mg/Kg	5		SW-846 8082A	3/9/18	3/16/18 7:38	KAL
Aroclor-1260 [1]	11	2.3	mg/Kg	5		SW-846 8082A	3/9/18	3/16/18 7:38	KAL
Aroclor-1262 [1]	ND	2.3	mg/Kg	5		SW-846 8082A	3/9/18	3/16/18 7:38	KAL
Aroclor-1268 [2]	ND	2.3	mg/Kg	5		SW-846 8082A	3/9/18	3/16/18 7:38	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	101	30-150						3/16/18 7:38	
Decachlorobiphenyl [2]	95.6	30-150						3/16/18 7:38	
Tetrachloro-m-xylene [1]	101	30-150						3/16/18 7:38	
Tetrachloro-m-xylene [2]	101	30-150						3/16/18 7:38	

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

Project Location: English Station

Sample Description: 1st fl gas cylinder rm

Work Order: 18C0251

Date Received: 3/6/2018

Field Sample #: P36B

Sampled: 2/26/2018 10:07

Sample ID: 18C0251-20

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	4.7	mg/Kg	10		SW-846 8082A	3/9/18	3/16/18 7:56	KAL
Aroclor-1221 [1]	ND	4.7	mg/Kg	10		SW-846 8082A	3/9/18	3/16/18 7:56	KAL
Aroclor-1232 [1]	ND	4.7	mg/Kg	10		SW-846 8082A	3/9/18	3/16/18 7:56	KAL
Aroclor-1242 [1]	ND	4.7	mg/Kg	10		SW-846 8082A	3/9/18	3/16/18 7:56	KAL
Aroclor-1248 [2]	11	4.7	mg/Kg	10		SW-846 8082A	3/9/18	3/16/18 7:56	KAL
Aroclor-1254 [2]	13	4.7	mg/Kg	10		SW-846 8082A	3/9/18	3/16/18 7:56	KAL
Aroclor-1260 [2]	15	4.7	mg/Kg	10		SW-846 8082A	3/9/18	3/16/18 7:56	KAL
Aroclor-1262 [1]	ND	4.7	mg/Kg	10		SW-846 8082A	3/9/18	3/16/18 7:56	KAL
Aroclor-1268 [2]	ND	4.7	mg/Kg	10		SW-846 8082A	3/9/18	3/16/18 7:56	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	111	30-150						3/16/18 7:56	
Decachlorobiphenyl [2]	102	30-150						3/16/18 7:56	
Tetrachloro-m-xylene [1]	107	30-150						3/16/18 7:56	
Tetrachloro-m-xylene [2]	108	30-150						3/16/18 7:56	

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
18C0251-03 [P5G/P33]	B198503	0.226	10.0	03/09/18
18C0251-04 [P5H]	B198503	0.204	10.0	03/09/18
18C0251-05 [P6B]	B198503	0.212	10.0	03/09/18
18C0251-06 [P6C]	B198503	0.217	10.0	03/09/18
18C0251-07 [P7B]	B198503	0.212	10.0	03/09/18
18C0251-08 [P7C]	B198503	0.230	10.0	03/09/18
18C0251-09 [P11B]	B198503	0.206	10.0	03/09/18
18C0251-10 [P11C]	B198503	0.207	10.0	03/09/18
18C0251-11 [P13B]	B198503	0.219	10.0	03/09/18
18C0251-12 [P17B]	B198503	0.213	10.0	03/09/18
18C0251-13 [P17C]	B198503	0.217	10.0	03/09/18
18C0251-14 [P19B]	B198503	0.210	10.0	03/09/18
18C0251-15 [P31A]	B198503	0.216	10.0	03/09/18
18C0251-16 [P31B]	B198503	0.223	10.0	03/09/18
18C0251-17 [P32A]	B198503	0.202	10.0	03/09/18
18C0251-18 [P32B]	B198503	0.212	10.0	03/09/18
18C0251-19 [P36A]	B198503	0.216	10.0	03/09/18
18C0251-20 [P36B]	B198503	0.214	10.0	03/09/18

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18C0251-02 [FT2C]	B198311	2.11	10.0	03/06/18

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18C0251-01RE1 [FT2B]	B198804	2.22	10.0	03/14/18

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

QUALITY CONTROL
Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B198311 - SW-846 3540C
Blank (B198311-BLK1)

Prepared: 03/06/18 Analyzed: 03/13/18

Aroclor-1016	ND	0.10	mg/Kg							
Aroclor-1016 [2C]	ND	0.10	mg/Kg							
Aroclor-1221	ND	0.10	mg/Kg							
Aroclor-1221 [2C]	ND	0.10	mg/Kg							
Aroclor-1232	ND	0.10	mg/Kg							
Aroclor-1232 [2C]	ND	0.10	mg/Kg							
Aroclor-1242	ND	0.10	mg/Kg							
Aroclor-1242 [2C]	ND	0.10	mg/Kg							
Aroclor-1248	ND	0.10	mg/Kg							
Aroclor-1248 [2C]	ND	0.10	mg/Kg							
Aroclor-1254	ND	0.10	mg/Kg							
Aroclor-1254 [2C]	ND	0.10	mg/Kg							
Aroclor-1260	ND	0.10	mg/Kg							
Aroclor-1260 [2C]	ND	0.10	mg/Kg							
Aroclor-1262	ND	0.10	mg/Kg							
Aroclor-1262 [2C]	ND	0.10	mg/Kg							
Aroclor-1268	ND	0.10	mg/Kg							
Aroclor-1268 [2C]	ND	0.10	mg/Kg							
Surrogate: Decachlorobiphenyl	0.853		mg/Kg	1.00		85.3	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.904		mg/Kg	1.00		90.4	30-150			
Surrogate: Tetrachloro-m-xylene	0.742		mg/Kg	1.00		74.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.784		mg/Kg	1.00		78.4	30-150			

LCS (B198311-BS1)

Prepared: 03/06/18 Analyzed: 03/13/18

Aroclor-1016	0.84	0.10	mg/Kg	1.00		83.6	40-140			
Aroclor-1016 [2C]	0.91	0.10	mg/Kg	1.00		91.1	40-140			
Aroclor-1260	0.80	0.10	mg/Kg	1.00		80.2	40-140			
Aroclor-1260 [2C]	0.87	0.10	mg/Kg	1.00		87.3	40-140			
Surrogate: Decachlorobiphenyl	0.893		mg/Kg	1.00		89.3	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.945		mg/Kg	1.00		94.5	30-150			
Surrogate: Tetrachloro-m-xylene	0.717		mg/Kg	1.00		71.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.751		mg/Kg	1.00		75.1	30-150			

LCS Dup (B198311-BSD1)

Prepared: 03/06/18 Analyzed: 03/13/18

Aroclor-1016	0.86	0.10	mg/Kg	1.00		85.8	40-140	2.58	30	
Aroclor-1016 [2C]	0.93	0.10	mg/Kg	1.00		92.7	40-140	1.78	30	
Aroclor-1260	0.79	0.10	mg/Kg	1.00		79.5	40-140	0.947	30	
Aroclor-1260 [2C]	0.86	0.10	mg/Kg	1.00		86.2	40-140	1.24	30	
Surrogate: Decachlorobiphenyl	0.877		mg/Kg	1.00		87.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.928		mg/Kg	1.00		92.8	30-150			
Surrogate: Tetrachloro-m-xylene	0.760		mg/Kg	1.00		76.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.795		mg/Kg	1.00		79.5	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
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B198503 - SW-846 3540C
Blank (B198503-BLK1)

Prepared: 03/09/18 Analyzed: 03/15/18

Aroclor-1016	ND	0.50	mg/Kg							
Aroclor-1016 [2C]	ND	0.50	mg/Kg							
Aroclor-1221	ND	0.50	mg/Kg							
Aroclor-1221 [2C]	ND	0.50	mg/Kg							
Aroclor-1232	ND	0.50	mg/Kg							
Aroclor-1232 [2C]	ND	0.50	mg/Kg							
Aroclor-1242	ND	0.50	mg/Kg							
Aroclor-1242 [2C]	ND	0.50	mg/Kg							
Aroclor-1248	ND	0.50	mg/Kg							
Aroclor-1248 [2C]	ND	0.50	mg/Kg							
Aroclor-1254	ND	0.50	mg/Kg							
Aroclor-1254 [2C]	ND	0.50	mg/Kg							
Aroclor-1260	ND	0.50	mg/Kg							
Aroclor-1260 [2C]	ND	0.50	mg/Kg							
Aroclor-1262	ND	0.50	mg/Kg							
Aroclor-1262 [2C]	ND	0.50	mg/Kg							
Aroclor-1268	ND	0.50	mg/Kg							
Aroclor-1268 [2C]	ND	0.50	mg/Kg							
Surrogate: Decachlorobiphenyl	10.2		mg/Kg	10.0		102	30-150			
Surrogate: Decachlorobiphenyl [2C]	9.88		mg/Kg	10.0		98.8	30-150			
Surrogate: Tetrachloro-m-xylene	9.43		mg/Kg	10.0		94.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	9.71		mg/Kg	10.0		97.1	30-150			

LCS (B198503-BS1)

Prepared: 03/09/18 Analyzed: 03/15/18

Aroclor-1016	2.7	0.50	mg/Kg	2.50		109	40-140			
Aroclor-1016 [2C]	2.8	0.50	mg/Kg	2.50		111	40-140			
Aroclor-1260	2.4	0.50	mg/Kg	2.50		96.9	40-140			
Aroclor-1260 [2C]	2.4	0.50	mg/Kg	2.50		96.2	40-140			
Surrogate: Decachlorobiphenyl	9.61		mg/Kg	10.0		96.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	9.41		mg/Kg	10.0		94.1	30-150			
Surrogate: Tetrachloro-m-xylene	9.32		mg/Kg	10.0		93.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	9.60		mg/Kg	10.0		96.0	30-150			

LCS Dup (B198503-BSD1)

Prepared: 03/09/18 Analyzed: 03/15/18

Aroclor-1016	2.3	0.50	mg/Kg	2.50		93.4	40-140	15.2	30	
Aroclor-1016 [2C]	2.2	0.50	mg/Kg	2.50		86.7	40-140	25.0	30	
Aroclor-1260	1.9	0.50	mg/Kg	2.50		75.4	40-140	24.9	30	
Aroclor-1260 [2C]	1.9	0.50	mg/Kg	2.50		74.8	40-140	25.0	30	
Surrogate: Decachlorobiphenyl	7.04		mg/Kg	10.0		70.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	6.90		mg/Kg	10.0		69.0	30-150			
Surrogate: Tetrachloro-m-xylene	7.14		mg/Kg	10.0		71.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	7.43		mg/Kg	10.0		74.3	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
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B198804 - SW-846 3540C
Blank (B198804-BLK1)

Prepared: 03/14/18 Analyzed: 03/15/18

Aroclor-1016	ND	0.10	mg/Kg							
Aroclor-1016 [2C]	ND	0.10	mg/Kg							
Aroclor-1221	ND	0.10	mg/Kg							
Aroclor-1221 [2C]	ND	0.10	mg/Kg							
Aroclor-1232	ND	0.10	mg/Kg							
Aroclor-1232 [2C]	ND	0.10	mg/Kg							
Aroclor-1242	ND	0.10	mg/Kg							
Aroclor-1242 [2C]	ND	0.10	mg/Kg							
Aroclor-1248	ND	0.10	mg/Kg							
Aroclor-1248 [2C]	ND	0.10	mg/Kg							
Aroclor-1254	ND	0.10	mg/Kg							
Aroclor-1254 [2C]	ND	0.10	mg/Kg							
Aroclor-1260	ND	0.10	mg/Kg							
Aroclor-1260 [2C]	ND	0.10	mg/Kg							
Aroclor-1262	ND	0.10	mg/Kg							
Aroclor-1262 [2C]	ND	0.10	mg/Kg							
Aroclor-1268	ND	0.10	mg/Kg							
Aroclor-1268 [2C]	ND	0.10	mg/Kg							
Surrogate: Decachlorobiphenyl	0.909		mg/Kg	1.00		90.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.933		mg/Kg	1.00		93.3	30-150			
Surrogate: Tetrachloro-m-xylene	0.788		mg/Kg	1.00		78.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.769		mg/Kg	1.00		76.9	30-150			

LCS (B198804-BS1)

Prepared: 03/14/18 Analyzed: 03/15/18

Aroclor-1016	0.94	0.10	mg/Kg	1.00		93.6	40-140			
Aroclor-1016 [2C]	1.0	0.10	mg/Kg	1.00		100	40-140			
Aroclor-1260	0.79	0.10	mg/Kg	1.00		78.7	40-140			
Aroclor-1260 [2C]	0.88	0.10	mg/Kg	1.00		88.3	40-140			
Surrogate: Decachlorobiphenyl	0.940		mg/Kg	1.00		94.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.935		mg/Kg	1.00		93.5	30-150			
Surrogate: Tetrachloro-m-xylene	0.801		mg/Kg	1.00		80.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.790		mg/Kg	1.00		79.0	30-150			

LCS Dup (B198804-BSD1)

Prepared: 03/14/18 Analyzed: 03/15/18

Aroclor-1016	0.95	0.10	mg/Kg	1.00		94.8	40-140	1.27	30	
Aroclor-1016 [2C]	1.0	0.10	mg/Kg	1.00		102	40-140	1.70	30	
Aroclor-1260	0.80	0.10	mg/Kg	1.00		79.8	40-140	1.47	30	
Aroclor-1260 [2C]	0.90	0.10	mg/Kg	1.00		89.8	40-140	1.64	30	
Surrogate: Decachlorobiphenyl	0.936		mg/Kg	1.00		93.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.971		mg/Kg	1.00		97.1	30-150			
Surrogate: Tetrachloro-m-xylene	0.827		mg/Kg	1.00		82.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.806		mg/Kg	1.00		80.6	30-150			

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

FT2B

Lab Sample ID: 18C0251-01RE1 Date(s) Analyzed: 03/15/2018 03/15/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	0.12	
	2	0.000	0.000	0.000	0.15	22.2
Aroclor-1260	1	0.000	0.000	0.000	0.20	
	2	0.000	0.000	0.000	0.29	36.7

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES***SW-846 8082A***P5G/P33**Lab Sample ID: 18C0251-03 Date(s) Analyzed: 03/16/2018 03/16/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	1.1	
	2	0.000	0.000	0.000	1.2	8.7
Aroclor-1260	1	0.000	0.000	0.000	2.7	
	2	0.000	0.000	0.000	2.8	3.6

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

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

P5H

Lab Sample ID: 18C0251-04 Date(s) Analyzed: 03/16/2018 03/16/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	1.3	
	2	0.000	0.000	0.000	1.3	0.0
Aroclor-1260	1	0.000	0.000	0.000	3.0	
	2	0.000	0.000	0.000	3.0	0.0

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES***SW-846 8082A***P6B**Lab Sample ID: 18C0251-05 Date(s) Analyzed: 03/16/2018 03/16/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	1.6	
	2	0.000	0.000	0.000	1.7	6.1
Aroclor-1260	1	0.000	0.000	0.000	2.3	
	2	0.000	0.000	0.000	2.3	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

P6C

Lab Sample ID: 18C0251-06 Date(s) Analyzed: 03/16/2018 03/16/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	6.1	
	2	0.000	0.000	0.000	5.7	6.8
Aroclor-1260	1	0.000	0.000	0.000	19	
	2	0.000	0.000	0.000	18	5.4

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES***SW-846 8082A***P7B**Lab Sample ID: 18C0251-07 Date(s) Analyzed: 03/16/2018 03/16/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	0.54	
	2	0.000	0.000	0.000	0.65	16.7
Aroclor-1260	1	0.000	0.000	0.000	0.91	
	2	0.000	0.000	0.000	0.91	0.0

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

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

P7C

Lab Sample ID: 18C0251-08 Date(s) Analyzed: 03/16/2018 03/16/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	2.0	
	2	0.000	0.000	0.000	2.3	9.1
Aroclor-1260	1	0.000	0.000	0.000	3.3	
	2	0.000	0.000	0.000	3.3	0.0

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

P11B

Lab Sample ID: 18C0251-09 Date(s) Analyzed: 03/16/2018 03/16/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	2.8	
	2	0.000	0.000	0.000	2.9	3.5
Aroclor-1260	1	0.000	0.000	0.000	7.7	
	2	0.000	0.000	0.000	6.8	12.4

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

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

P11C

Lab Sample ID: 18C0251-10 Date(s) Analyzed: 03/16/2018 03/16/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	1.8	
	2	0.000	0.000	0.000	1.8	0.0
Aroclor-1260	1	0.000	0.000	0.000	5.1	
	2	0.000	0.000	0.000	4.5	12.5

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

P13B

Lab Sample ID: 18C0251-11 Date(s) Analyzed: 03/16/2018 03/16/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	1.6	
	2	0.000	0.000	0.000	1.6	0.0
Aroclor-1260	1	0.000	0.000	0.000	2.5	
	2	0.000	0.000	0.000	2.7	3.8

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES***SW-846 8082A***P17B**Lab Sample ID: 18C0251-12 Date(s) Analyzed: 03/16/2018 03/16/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	5.6	
	2	0.000	0.000	0.000	5.9	5.2
Aroclor-1260	1	0.000	0.000	0.000	13	
	2	0.000	0.000	0.000	15	14.3

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

P17C

Lab Sample ID: 18C0251-13 Date(s) Analyzed: 03/16/2018 03/16/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	4.1	
	2	0.000	0.000	0.000	4.2	2.4
Aroclor-1260	1	0.000	0.000	0.000	3.6	
	2	0.000	0.000	0.000	3.1	14.9

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES***SW-846 8082A***P19B**Lab Sample ID: 18C0251-14 Date(s) Analyzed: 03/16/2018 03/16/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	8.6	
	2	0.000	0.000	0.000	8.7	1.2
Aroclor-1260	1	0.000	0.000	0.000	13	
	2	0.000	0.000	0.000	13	0.0

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

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

P31A

Lab Sample ID: 18C0251-15 Date(s) Analyzed: 03/16/2018 03/16/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1248	1	0.000	0.000	0.000	2.3	
	2	0.000	0.000	0.000	2.3	0.0
Aroclor-1254	1	0.000	0.000	0.000	3.7	
	2	0.000	0.000	0.000	4.3	15.0
Aroclor-1260	1	0.000	0.000	0.000	3.4	
	2	0.000	0.000	0.000	2.9	15.9

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

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

P31B

Lab Sample ID: 18C0251-16 Date(s) Analyzed: 03/16/2018 03/16/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1248	1	0.000	0.000	0.000	2.5	
	2	0.000	0.000	0.000	2.4	4.1
Aroclor-1254	1	0.000	0.000	0.000	3.8	
	2	0.000	0.000	0.000	4.6	19.0
Aroclor-1260	1	0.000	0.000	0.000	3.0	
	2	0.000	0.000	0.000	2.9	3.4

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES***SW-846 8082A***P32A**Lab Sample ID: 18C0251-17 Date(s) Analyzed: 03/16/2018 03/16/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1248	1	0.000	0.000	0.000	1.1	
	2	0.000	0.000	0.000	1.3	16.7
Aroclor-1254	1	0.000	0.000	0.000	3.7	
	2	0.000	0.000	0.000	3.5	5.6
Aroclor-1260	1	0.000	0.000	0.000	7.6	
	2	0.000	0.000	0.000	7.8	2.6

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

P32B

Lab Sample ID: 18C0251-18 Date(s) Analyzed: 03/16/2018 03/16/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1248	1	0.000	0.000	0.000	1.3	
	2	0.000	0.000	0.000	1.5	14.3
Aroclor-1254	1	0.000	0.000	0.000	4.2	
	2	0.000	0.000	0.000	4.1	2.4
Aroclor-1260	1	0.000	0.000	0.000	7.3	
	2	0.000	0.000	0.000	7.5	2.7

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

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

P36A

Lab Sample ID: 18C0251-19 Date(s) Analyzed: 03/16/2018 03/16/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1248	1	0.000	0.000	0.000	7.3	
	2	0.000	0.000	0.000	8.0	9.2
Aroclor-1254	1	0.000	0.000	0.000	8.4	
	2	0.000	0.000	0.000	11	26.8
Aroclor-1260	1	0.000	0.000	0.000	11	
	2	0.000	0.000	0.000	11	0.0

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

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

P36B

Lab Sample ID: 18C0251-20 Date(s) Analyzed: 03/16/2018 03/16/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1248	1	0.000	0.000	0.000	10	
	2	0.000	0.000	0.000	11	9.5
Aroclor-1254	1	0.000	0.000	0.000	11	
	2	0.000	0.000	0.000	13	16.7
Aroclor-1260	1	0.000	0.000	0.000	15	
	2	0.000	0.000	0.000	15	0.0

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.
P-01	Result was confirmed using a dissimilar column. Relative percent difference between the two results was >40%. In accordance with the method, the higher result was reported.

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

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

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



21 GRIFFIN ROAD NORTH
WINDSOR, CONNECTICUT 06095
TELEPHONE (860) 298-9692
FAX (860) 298-6380

CHAIN OF CUSTODY

Edition: September 2007
Supersede Previous Edition

18C0051

LAB ID #.

PROJECT NUMBER		PROJECT NAME		PARAMETERS		CONTAINERS		TURNAROUND TIME			
263951		English Station - Boiler 1-12 Area New Haven, CT						x	Standard TAT 7-10 Days		
SIGNATURE		INSPECTOR							Rush TAT		
Mah Kearney		Mark Kearney/Gregory Kaczynski							Date Needed:		
Lab ID:	SAMPLE ID:	DATE	TIME	TYPE	SAMPLE LOCATION	EPA 8082 (3540)	# of Amber Glass	# of Clear Glass	Matrix (X1= caulk/glaze X2= paint, X3=other solid)	Preservative	NOTES
				COMP	GRAB						
	W63A	2/28/18	1452		X	2 nd Fl- Rest Rm.	X		X1	---	W63A
	W63B	2/28/18	1454		X	2 nd Fl- Rest Rm.	X		X1	---	W63B
	W63C	2/28/18	1458		X	2 nd Fl- Rest Rm.	X		X1	---	W63C
	W64A	3/1/18	0945		X	Room above bunkers- int dr.	X		X1	---	W64A
	W64B	3/1/18	0950		X	Room above bunkers- int dr.	X		X1	---	W64B
	W65A	2/26/18	1435		X	1 st Fl-BF pump area	X		X1	---	W65A
	W65B	2/26/18	1427		X	1 st Fl-BF pump area	X		X1	---	W65B
	W65C	2/26/18	1440		X	1 st Fl-BF pump hall	X		X1	---	W65C
	FT2A	2/28/18	1440		X	2 nd Fl- Rest Rm.	X		X3	---	FT2A
01	FT2B	2/28/18	1310		X	2 nd Fl- Rest Rm.	X		X3	---	FT2B
02	FT2C	2/28/18	1515		X	2 nd Fl- Rest Rm.	X		X3	---	FT2C

Relinquished by: (Signature) Mah Kearney	Date: 3/5/18	Received by: (Signature) Fridge	Relinquished by: (Signature) Fridge	Date: 3/6/18 9:13	Received by: (Signature) Paul Rancit
(Printed) Mark Kearney	Time: 1430	(Printed)	(Printed)	Time:	(Printed)
Remarks: Report to: Include CT DPH RCP Report				Condition upon Receipt: Page 2 of 13	

Relinquished by: Paul Rancit
3/6/18 14:00

Time 2:28 3/6/18 21:29
1440



21 GRIFFIN ROAD NORTH
WINDSOR, CONNECTICUT 06095
TELEPHONE (860) 298-9692
FAX (860) 298-6380

Edition: September 2007
Supersede Previous Edition

CHAIN OF CUSTODY

18C0251

LAB ID #.

PROJECT NUMBER		PROJECT NAME		PARAMETERS		CONTAINERS		TURNAROUND TIME							
263951		English Station - Boiler 1-12 Area New Haven, CT						<table border="1"> <tr> <td>x</td> <td>Standard TAT 7-10 Days</td> </tr> <tr> <td></td> <td>Rush TAT</td> </tr> <tr> <td></td> <td>Date Needed:</td> </tr> </table>		x	Standard TAT 7-10 Days		Rush TAT		Date Needed:
x	Standard TAT 7-10 Days														
	Rush TAT														
	Date Needed:														
SIGNATURE		INSPECTOR													
		Mark Kearney/Gregory Kaczynski													
Lab ID:	SAMPLE ID:	DATE	TIME	TYPE	SAMPLE LOCATION	EPA 8082 (3540)	# of Amber Glass	# of Clear Glass	Matrix (X1= caulk/glaze X2= paint, X3=other solid)	Preservative	NOTES				
COMP	GRAB														
03	P5G/P33	2/26/18	1240		X	1ST FL - FUEL OIL PUMP RM #2	X		X	X2	---				
04	P5H	2/26/18	1005		X	1ST FL - STORAGE ROOM	X				---				
05	P6B	2/26/18	1130		X	1ST FL - SW HALL; S DOOR	X				---				
06	P6C		1505		X	1ST FL - BF PUMP HALL (S)	X				---				
07	P7B		0950		X	1ST FL - STORAGE ROOM	X				---				
08	P7C		1045		X	1ST FL - FUEL OIL PUMP RM #2	X				---				
09	P11B		1055		X	1ST FL - Stairs S of F.O.P.R.	X				---				
10	P11C		1100		X	1ST FL - Stairs S of F.O.P.R.	X				---				
11	P13B		1500		X	1ST FL - BF PUMP HALL WINDOW (WEST)	X				---				
12	P17B		1100		X	1ST FL - Stairs S of F.O.P.R.	X				---				
13	P17C		1456		X	1ST FL - Stairs S of F.O.P.R.	X				---				

Relinquished by: (Signature) 	Date: 3/5/18	Received by: (Signature) Fridga	Relinquished by: (Signature) Fridga	Date: 3/6/18 9:15	Received by: (Signature) Paul Racicot
(Printed) Mark Kearney	Time: 1630	(Printed)	(Printed) Time 1630	Time:	(Printed)
Remarks: Report to: Include CT DPH RCP Report				Condition upon Receipt:	
				Page 3 of 13	

Relinquish Paul Racicot
3/6/18 14:40

Am 2st 3/6/18 1440 2:1, 29-2



21 GRIFFIN ROAD NORTH
WINDSOR, CONNECTICUT 06095
TELEPHONE (860) 298-9692
FAX (860) 298-6380

Edition: September 2007
Supersede Previous Edition

CHAIN OF CUSTODY

18CC0251

LAB ID #.

PROJECT NUMBER		PROJECT NAME		PARAMETERS		CONTAINERS		TURNAROUND TIME				
263951		English Station - Boiler 1-12 Area New Haven, CT						☒ Standard TAT 7-10 Days ☐ Rush TAT Date Needed:				
SIGNATURE		INSPECTOR										
		Mark Kearney/Gregory Kaczynski										
Lab ID:	SAMPLE ID:	DATE	TIME	TYPE		EPA 8082 (3540)	# of Amber Glass	# of Clear Glass	Matrix (X1= caulk/glaze X2= paint, X3=other solid)	Preservative	NOTES	
				COMP	GRAB							
14	P19B	2/26/18	1453		X	1ST FL-BF Pump Rm (N)	X		X	X 2	---	
15	P31A		0930		X	1ST FL-SW HALL/OFFICE DOOR FRAME	X				---	
16	P31B		0932		X	1ST FL-SW HALL/OFFICE DOOR FRAME	X				---	
17	P32A		0940		X	1ST FL-SW HALL; CABINET	X				---	
18	P32B		0945		X	1ST FL-SW HALL; CABINET	X				---	
19	P36A		1005		X	1ST FL-GAS CYLINDER RM	X				---	
20	P36B		1007		X	1ST FL-GAS CYLINDER RM	X				---	
	P38A		1010		X	1ST FL-FUEL OIL Pump Rm #2	X				---	
	P38B		1015		X	1ST FL-FUEL OIL Pump Rm #2	X				---	
	P39A		1015		X	1ST FL-FUEL OIL Pump Rm #2	X				---	
	P39B		1025		X	1ST FL-FUEL OIL Pump Rm #2	X				---	

Relinquished by: (Signature) 	Date: 3/5/18	Received by: (Signature) Fridge	Relinquished by: (Signature) Fridge	Date: 3/6/18 9:15	Received by: (Signature)
(Printed) Mark Kearney	Time: 1430	(Printed)	(Printed) Fridge	Time: 10:00	(Printed)
Remarks: Report to: Include CT DPH RCP Report				Condition upon Receipt: Page 4 of 13	

Reling, Paul Rancit
3/6/18 14:40

Ann 2nd 3/6/18 1440 21.29C


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 TRCReceived By SEDate 3/6/18Time 1440

How were the samples received?

In Cooler No Cooler On Ice No Ice Direct from Sampling Ambient Melted Ice Were samples within Temperature? 2-6°C TBy Gun # 577Actual Temp - 2.1, 2.9By Blank # Actual Temp - Was Custody Seal Intact? N/AWere Samples Tampered with? N/AWas COC Relinquished? TDoes Chain Agree With Samples? TAre there broken/leaking/loose caps on any samples? FIs COC in ink/ Legible? TWere samples received within holding time? TDid COC include all pertinent Information? Client T
Project TAnalysis TSampler Name TID's TCollection Dates/Times TAre Sample labels filled out and legible? TAre there Lab to Filters? FAre there Rushes? FAre there Short Holds? FIs there enough Volume? TIs there Headspace where applicable? N/AProper Media/Containers Used? TWere trip blanks received? FDo all samples have the proper pH? N/AWho was notified? Who was notified? Who was notified? MS/MSD? FIs splitting samples required? FOn COC? N/AAcid Base

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	20
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Unused Media

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

Comments:

-Received in 2 coolers



REASONABLE CONFIDENCE PROTOCOL LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory

Client: United Illuminating Company

Project Location: English Station

Project Number: 18C0251

Laboratory Sample ID(s):

18C0251-01 thru 18C0251-20

Sample Date(s):

 02/26/2018,
02/28/2018

List RCP Methods Used:

SW-846 8082A

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

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

This form may not be altered and all questions must be answered.

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

Authorized Signature:
Position: Laboratory Director
Printed Name: Tod E. Kopyscinski
Date: 03/19/18
Name of Laboratory: Con-Test Analytical Laboratory

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