QuES&T

Quality Environmental Solutions & Technologies, Inc.

PRE-DEMOLITION INSPECTION FOR PCB CONTAINING CAULKS

For

PVE, LLC
48 Springside Ave
Poughkeepsie, New York 12603

At

164 Garden Street
Poughkeepsie, New York 12601

Project #Q20-3106

1376 Route 9, Wappingers Falls, NY 12590 Phone (845) 298-6031 Fax (845) 298-6251
NYS MWBD MBE Cert # 4992-2006 NYSUCP DBE Certified www.Qualityenv.com

QuES&T

Quality Environmental Solutions & Technologies, Inc.

January 29, 2020

PVE, LLC
48 Springside Ave
Poughkeepsie, NY 12603

ATTN: Conor Tarbell

Via Email: ctarbell@pve-llc.com

Re.: PCB Bulk Sampling @ 164 Garden Street
Poughkeepsie, New York 12601
QuES&T Project #Q20-3106

Dear Mr. Tarbell,

Attached is the Pre-Demolition Inspection Report for the presence of Polychlorinated Biphenyls (PCBs). **Qu**ality **E**nvironmental **S**olutions **& T**echnologies Inc. **(QuES&T)** was retained by the PVE, LLC to collect representative, homogenous exterior Window Caulk(s). Sampling was limited to specific materials potentially affected by planned renovation/demolition/remodeling within the Unoccupied Building located at 164 Garden Street, Poughkeepsie NY 12601. The attached report summarizes the inspection protocol and sample results for your review.

Should you wish to discuss this matter further or require additional information concerning this transmittal, feel free to contact us at (845) 298-6031. **QuES&T** greatly appreciates the opportunity to assist PVE, LLC in the environmental remediation services area.

Sincerely,

James Klemm
Field & Technical Services
NYS/AHERA Inspector
Cert. #AH 13-11486
NYS Mold Assessor #MA01616

➢ SUMMARY OF INSPECTION ACTIVITES & FINDINGS

Mr. James Klemm (Cert #13-11486), of **QuES&T**, performed collection of a total of two **(2)** bulk samples on January 9th, 2020. All samples consisted of caulks potentially affected by future renovations. Sampling was performed in compliance with EPA protocols. Bulk samples were properly packaged and forwarded to York Analytical Laboratories, Inc., in Stratford, CT for analysis using method SW846-8082A. Copies of the analytical results are contained within attached appendices for review. A summation of samples collected and associated results are as follows:

Sample #	Location/Description	Material Matrix	Color	Substrate	Applicable Regulatory Standards (Most Stringent)	Classification Result Upon Lab analysis
3106-PCB-04	Exterior, Door, Case, Metal to CMU	Caulk	Gray	Metal/CMU	USEPA 40 CFR 761	**Not Detected** at The Reporting Limit (RL) or above.
3106-PCB-05	Exterior, Window, Metal Frame to Glass	Caulk	Black	Metal/Glass	USEPA 40 CFR 761	**Not Detected** at The Reporting Limit (RL) or above.

Appendix A:
ANALYTICAL DATA

Technical Report

prepared for:

QuES & T
1376 Rt. 9
Wappingers Falls NY, 12590
Attention: James Klemm

Report Date: 01/17/2020
Client Project ID: Q20-3106
York Project (SDG) No.: 20A0423

CT Cert. No. PH-0723 New Jersey Cert. No. CT005 and NY037 New York Cert. Nos. 10854 and 12058 PA Cert. No. 68-04440

120 RESEARCH DRIVE STRATFORD, CT 06615 ■ 132-02 89th AVENUE RICHMOND HILL, NY 11418
www.YORKLAB.com (203) 325-1371 FAX (203) 357-0166 ClientServices@yorklab.com

Report Date: 01/17/2020
Client Project ID: Q20-3106
York Project (SDG) No.: 20A0423

QuES & T
1376 Rt. 9
Wappingers Falls NY, 12590
Attention: James Klemm

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on January 13, 2020 and listed below. The project was identified as your project: **Q20-3106**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Sample and Analysis Qualifiers section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
20A0423-01	3106-PCB-04	Caulk	01/09/2020	01/13/2020
20A0423-02	3106-PCB-05	Caulk	01/09/2020	01/13/2020

General Notes for York Project (SDG) No.: 20A0423

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
8. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058.

Approved By: 

Date: 01/17/2020

Benjamin Gulizia
Laboratory Director

Sample Information

Client Sample ID: 3106-PCB-04 **York Sample ID:** 20A0423-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20A0423	Q20-3106	Caulk	January 9, 2020 12:00 am	01/13/2020

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg	0.397	1	EPA 8082A Certifications:	01/14/2020 13:51 NELAC-NY10854,CTDOH,NJDEP	01/16/2020 15:41	SR
11104-28-2	Aroclor 1221	ND		mg/kg	0.397	1	EPA 8082A Certifications:	01/14/2020 13:51 NELAC-NY10854,CTDOH,NJDEP	01/16/2020 15:41	SR
11141-16-5	Aroclor 1232	ND		mg/kg	0.397	1	EPA 8082A Certifications:	01/14/2020 13:51 NELAC-NY10854,CTDOH,NJDEP	01/16/2020 15:41	SR
53469-21-9	Aroclor 1242	ND		mg/kg	0.397	1	EPA 8082A Certifications:	01/14/2020 13:51 NELAC-NY10854,CTDOH,NJDEP	01/16/2020 15:41	SR
12672-29-6	Aroclor 1248	ND		mg/kg	0.397	1	EPA 8082A Certifications:	01/14/2020 13:51 NELAC-NY10854,CTDOH,NJDEP	01/16/2020 15:41	SR
11097-69-1	Aroclor 1254	ND		mg/kg	0.397	1	EPA 8082A Certifications:	01/14/2020 13:51 NELAC-NY10854,CTDOH,NJDEP	01/16/2020 15:41	SR
11096-82-5	Aroclor 1260	ND		mg/kg	0.397	1	EPA 8082A Certifications:	01/14/2020 13:51 NELAC-NY10854,CTDOH,NJDEP	01/16/2020 15:41	SR
1336-36-3	* Total PCBs	ND		mg/kg	0.397	1	EPA 8082A Certifications:	01/14/2020 13:51	01/16/2020 15:41	SR

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*90.5 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*90.0 %*	*30-140*

Sample Information

Client Sample ID: 3106-PCB-05 **York Sample ID:** 20A0423-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20A0423	Q20-3106	Caulk	January 9, 2020 12:00 am	01/13/2020

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg	0.403	1	EPA 8082A Certifications:	01/14/2020 13:51 NELAC-NY10854,CTDOH,NJDEP	01/16/2020 15:55	SR
11104-28-2	Aroclor 1221	ND		mg/kg	0.403	1	EPA 8082A Certifications:	01/14/2020 13:51 NELAC-NY10854,CTDOH,NJDEP	01/16/2020 15:55	SR
11141-16-5	Aroclor 1232	ND		mg/kg	0.403	1	EPA 8082A Certifications:	01/14/2020 13:51 NELAC-NY10854,CTDOH,NJDEP	01/16/2020 15:55	SR
53469-21-9	Aroclor 1242	ND		mg/kg	0.403	1	EPA 8082A Certifications:	01/14/2020 13:51 NELAC-NY10854,CTDOH,NJDEP	01/16/2020 15:55	SR
12672-29-6	Aroclor 1248	ND		mg/kg	0.403	1	EPA 8082A Certifications:	01/14/2020 13:51 NELAC-NY10854,CTDOH,NJDEP	01/16/2020 15:55	SR

Sample Information

Client Sample ID: 3106-PCB-05 **York Sample ID:** 20A0423-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20A0423	Q20-3106	Caulk	January 9, 2020 12:00 am	01/13/2020

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
11097-69-1	Aroclor 1254	ND		mg/kg	0.403	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP	01/14/2020 13:51	01/16/2020 15:55	SR
11096-82-5	Aroclor 1260	ND		mg/kg	0.403	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP	01/14/2020 13:51	01/16/2020 15:55	SR
1336-36-3	* Total PCBs	ND		mg/kg	0.403	1	EPA 8082A Certifications:	01/14/2020 13:51	01/16/2020 15:55	SR

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*66.5 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*60.5 %*	*30-140*

Analytical Batch Summary

Batch ID: BA00566 **Preparation Method:** EPA 3550C **Prepared By:** CLS2

YORK Sample ID	Client Sample ID	Preparation Date
20A0423-01	3106-PCB-04	01/14/20
20A0423-02	3106-PCB-05	01/14/20
BA00566-BLK1	Blank	01/14/20
BA00566-BS1	LCS	01/14/20
BA00566-BSD1	LCS Dup	01/14/20

Polychlorinated Biphenyls by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BA00566 - EPA 3550C											
Blank (BA00566-BLK1)									Prepared: 01/14/2020 Analyzed: 01/15/2020		
Aroclor 1016	ND	0.450	mg/kg								
Aroclor 1221	ND	0.450	"								
Aroclor 1232	ND	0.450	"								
Aroclor 1242	ND	0.450	"								
Aroclor 1248	ND	0.450	"								
Aroclor 1254	ND	0.450	"								
Aroclor 1260	ND	0.450	"								
Total PCBs	ND	0.450	"								
Surrogate: Tetrachloro-m-xylene	*1.60*		*"*	*1.80*		*89.0*	*30-140*				
Surrogate: Decachlorobiphenyl	*1.83*		*"*	*1.80*		*102*	*30-140*				
LCS (BA00566-BS1)									Prepared: 01/14/2020 Analyzed: 01/15/2020		
Aroclor 1016	8.35	0.450	mg/kg	9.01		92.7	40-130				
Aroclor 1260	8.83	0.450	"	9.01		98.0	40-130				
Surrogate: Tetrachloro-m-xylene	*1.56*		*"*	*1.80*		*86.5*	*30-140*				
Surrogate: Decachlorobiphenyl	*1.90*		*"*	*1.80*		*106*	*30-140*				
LCS Dup (BA00566-BSD1)									Prepared: 01/14/2020 Analyzed: 01/15/2020		
Aroclor 1016	7.05	0.450	mg/kg	9.01		78.3	40-130		16.8	25	
Aroclor 1260	7.90	0.450	"	9.01		87.6	40-130		11.1	25	
Surrogate: Tetrachloro-m-xylene	*1.36*		*"*	*1.80*		*75.5*	*30-140*				
Surrogate: Decachlorobiphenyl	*1.52*		*"*	*1.80*		*84.5*	*30-140*				

Sample and Data Qualifiers Relating to This Work Order

S-08 The recovery of this surrogate was outside of QC limits.

Definitions and Other Explanations

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.

QUALITY ENVIRONMENTAL SOLUTIONS & TECHNOLOGIES, INC.

20A0423

BULK SAMPLE FORM

York Analytical Laboratories, Inc.
120 Research Drive
Stratford, CT 06615
ph. (203) 325-1371
fx. (203) 357-0166

Field Chain-of-Custody Record

Rec'd Chain 1-13-20 9:30

Released Chain 1-13-20 1505

Company: QuES&T

1376 Route 9

Wappingers Falls, NY 12590

Collected By (Print): James Klemm

Collected By (Sign.):

Results Send Via: jklemm@qualityenv.com

Invoice to: Angela Holzapfel

Project ID: 164 Garden St, Poughkeepsie, NY

Project #: Q20-3106

SAMPLE #	LOCATION	SAMPLE DATE	MATRIX	ANALYSIS REQUESTED	CONTAINER
3106-PCB-04	Exterior, Door, Case, Metal to CMU	1/9/2020	Caulk (Gray)	PCB	4 OZ Glass Container
3106-PCB-05	Exterior, Window, Metal Frame to Glass	1/9/2020	Caulk (Black)	PCB	4 OZ Glass Container

YORK LAB: TC Parker 1/13/20 1505 2.4°C

ANALYSIS TURNAROUND: Standard 1-Week TAT

PAGE 1 OF 1

Appendix B:
PERSONNEL CERTIFICATIONS

NEW YORK STATE

MINORITY- AND WOMEN-OWNED BUSINESS ENTERPRISE ("MWBE")

CERTIFICATION

Empire State Development's Division of Minority and Women's Business Development grants a

Women Business Enterprise (WBE)

pursuant to New York State Executive Law, Article 15-A to:

Quality Environmental Solutions & Technologies Inc.

Certification Awarded on: March 28, 2019
Expiration Date: March 28, 2022
File ID#: WBE- 49952

NEW YORK STATE OF OPPORTUNITY. | Division of Minority and Women's Business Development

A Division of Empire State Development

NEW YORK STATE OF OPPORTUNITY | Division of Minority and Women's Business Development

New York State Department of Economic Development
633 Third Avenue New York New York 10017 Tel 212 803 2414
Web Site: www.esd.ny.gov/MWBE/html

March 28, 2019

File ID: 49952

Quality Environmental Solutions & Technologies Inc. will be listed in New York State's Directory of Certified Businesses with the following list of codes for products and services:

NAICS 541620: ENVIRONMENTAL CONSULTING SERVICES
NIGP 91843: ENVIRONMENTAL CONSULTING

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER

Expires 12:01 AM April 01, 2020
Issued April 01, 2019
Revised June 05, 2019

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. ROBERT Q. BRADLEY
YORK ANALYTICAL LABORATORIES INC
120 RESEARCH DRIVE
STRATFORD, CT 06615

NY Lab Id No: 10854

is hereby APPROVED as an Environmental Laboratory in conformance with the National Environmental Laboratory Accreditation Conference Standards (2003) for the category ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved analytes are listed below:

Acrylates	
Acrolein (Propenal)	EPA 8260C
Acrylonitrile	EPA 8260C
Methyl methacrylate	EPA 8260C
Amines	
1,2-Diphenylhydrazine	EPA 8270D
2-Nitroaniline	EPA 8270D
3-Nitroaniline	EPA 8270D
4-Chloroaniline	EPA 8270D
4-Nitroaniline	EPA 8270D
Aniline	EPA 8270D
Carbazole	EPA 8270D
Diphenylamine	EPA 8270D
Benzidines	
3,3'-Dichlorobenzidine	EPA 8270D
Benzidine	EPA 8270D
Characteristic Testing	
Corrosivity	EPA 9045D
Free Liquids	EPA 9095B
Ignitability	EPA 1010A
Synthetic Precipitation Leaching Proc.	EPA 1312
TCLP	EPA 1311
Chlorinated Hydrocarbon Pesticides	
4,4'-DDD	EPA 8081B
4,4'-DDE	EPA 8081B

Chlorinated Hydrocarbon Pesticides	
4,4'-DDT	EPA 8081B
Aldrin	EPA 8081B
alpha-BHC	EPA 8081B
alpha-Chlordane	EPA 8081B
Atrazine	EPA 8270D
beta-BHC	EPA 8081B
Chlordane Total	EPA 8081B
delta-BHC	EPA 8081B
Dieldrin	EPA 8081B
Endosulfan I	EPA 8081B
Endosulfan II	EPA 8081B
Endosulfan sulfate	EPA 8081B
Endrin	EPA 8081B
Endrin aldehyde	EPA 8081B
Endrin Ketone	EPA 8081B
gamma-Chlordane	EPA 8081B
Heptachlor	EPA 8081B
Heptachlor epoxide	EPA 8081B
Lindane	EPA 8081B
Methoxychlor	EPA 8081B
Mirex	EPA 8081B
Toxaphene	EPA 8081B
Chlorinated Hydrocarbons	
1,2,3-Trichlorobenzene	EPA 8260C
1,2,4,5-Tetrachlorobenzene	EPA 8270D

Serial No.: 60300

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER

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All approved analytes are listed below:

Chlorinated Hydrocarbons	
1,2,4-Trichlorobenzene	EPA 8270D
2-Chloronaphthalene	EPA 8270D
Hexachlorobenzene	EPA 8270D
Hexachlorobutadiene	EPA 8270D
Hexachlorocyclopentadiene	EPA 8270D
Hexachloroethane	EPA 8270D
Chlorophenoxy Acid Pesticides	
2,4,5-T	EPA 8151A
2,4,5-TP (Silvex)	EPA 8151A
2,4-D	EPA 8151A
Dicamba	EPA 8151A
Haloethers	
2,2'-Oxybis(1-chloropropane)	EPA 8270D
4-Bromophenylphenyl ether	EPA 8270D
4-Chlorophenylphenyl ether	EPA 8270D
Bis(2-chloroethoxy)methane	EPA 8270D
Bis(2-chloroethyl)ether	EPA 8270D
Metals I	
Barium, Total	EPA 6010C
	EPA 6010D
	EPA 6020A
	EPA 6020B
Cadmium, Total	EPA 6010C
	EPA 6010D

Metals I	
Cadmium, Total	EPA 6020A
	EPA 6020B
Calcium, Total	EPA 6010C
	EPA 6010D
Chromium, Total	EPA 6010C
	EPA 6010D
	EPA 6020A
	EPA 6020B
Copper, Total	EPA 6010C
	EPA 6010D
	EPA 6020A
	EPA 6020B
Iron, Total	EPA 6010C
	EPA 6010D
Lead, Total	EPA 6010C
	EPA 6010D
	EPA 6020A
	EPA 6020B
Magnesium, Total	EPA 6010C
	EPA 6010D
Manganese, Total	EPA 6010C
	EPA 6010D
	EPA 6020A
	EPA 6020B
Nickel, Total	EPA 6010C
	EPA 6010D

Serial No.: 60300

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WADSWORTH CENTER

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NY Lab Id No: 10854

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All approved analytes are listed below:

Metals I	
Nickel, Total	EPA 6020A
	EPA 6020B
Potassium, Total	EPA 6010C
	EPA 6010D
Silver, Total	EPA 6010C
	EPA 6010D
Sodium, Total	EPA 6010C
	EPA 6010D
Metals II	
Aluminum, Total	EPA 6010C
	EPA 6010D
	EPA 6020A
	EPA 6020B
Antimony, Total	EPA 6010C
	EPA 6010D
	EPA 6020A
	EPA 6020B
Arsenic, Total	EPA 6010C
	EPA 6010D
	EPA 6020A
	EPA 6020B
Beryllium, Total	EPA 6010C
	EPA 6010D
	EPA 6020A
	EPA 6020B
Metals II	
Chromium VI	EPA 7196A
Mercury, Total	EPA 7471B
	EPA 7473
Selenium, Total	EPA 6010C
	EPA 6010D
	EPA 6020A
	EPA 6020B
Vanadium, Total	EPA 6010C
	EPA 6010D
	EPA 6020A
	EPA 6020B
Zinc, Total	EPA 6010C
	EPA 6010D
	EPA 6020A
	EPA 6020B
Metals III	
Cobalt, Total	EPA 6010C
	EPA 6010D
	EPA 6020A
	EPA 6020B
Molybdenum, Total	EPA 6020A
Thallium, Total	EPA 6010C
	EPA 6010D
	EPA 6020A
	EPA 6020B

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NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER

Expires 12:01 AM April 01, 2020
Issued April 01, 2019
Revised June 05, 2019

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. ROBERT Q. BRADLEY
YORK ANALYTICAL LABORATORIES INC
120 RESEARCH DRIVE
STRATFORD, CT 06615

NY Lab Id No: 10854

is hereby APPROVED as an Environmental Laboratory in conformance with the National Environmental Laboratory Accreditation Conference Standards (2003) for the category ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved analytes are listed below:

Metals III	
Tin, Total	EPA 6020A
	EPA 6020B
Titanium, Total	EPA 6020A
Miscellaneous	
Boron, Total	EPA 6020A
	EPA 6020B
Cyanide, Total	EPA 9014
Extractable Organic Halides	EPA 9023
Lead in Dust Wipes	EPA 6010C
Lead in Paint	EPA 6010C
Nitroaromatics and Isophorone	
2,4-Dinitrotoluene	EPA 8270D
2,6-Dinitrotoluene	EPA 8270D
Isophorone	EPA 8270D
Nitrobenzene	EPA 8270D
Pyridine	EPA 8270D
Nitrosoamines	
N-Nitrosodimethylamine	EPA 8270D
N-Nitrosodi-n-propylamine	EPA 8270D
N-Nitrosodiphenylamine	EPA 8270D
Organophosphate Pesticides	
Parathion ethyl	EPA 8270D

Petroleum Hydrocarbons	
Diesel Range Organics	EPA 8015D
Gasoline Range Organics	EPA 8015D
Phthalate Esters	
Benzyl butyl phthalate	EPA 8270D
Bis(2-ethylhexyl) phthalate	EPA 8270D
Diethyl phthalate	EPA 8270D
Dimethyl phthalate	EPA 8270D
Di-n-butyl phthalate	EPA 8270D
Di-n-octyl phthalate	EPA 8270D
Polychlorinated Biphenyls	
Aroclor 1016 (PCB-1016)	EPA 8082A
Aroclor 1016 (PCB-1016) in Oil	EPA 8082A
Aroclor 1221 (PCB-1221)	EPA 8082A
Aroclor 1221 (PCB-1221) in Oil	EPA 8082A
Aroclor 1232 (PCB-1232)	EPA 8082A
Aroclor 1232 (PCB-1232) in Oil	EPA 8082A
Aroclor 1242 (PCB-1242)	EPA 8082A
Aroclor 1242 (PCB-1242) in Oil	EPA 8082A
Aroclor 1248 (PCB-1248)	EPA 8082A
Aroclor 1248 (PCB-1248) in Oil	EPA 8082A
Aroclor 1254 (PCB-1254)	EPA 8082A
Aroclor 1254 (PCB-1254) in Oil	EPA 8082A
Aroclor 1260 (PCB-1260)	EPA 8082A
Aroclor 1260 (PCB-1260) in Oil	EPA 8082A
Aroclor 1262 (PCB-1262)	EPA 8082A

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Polychlorinated Biphenyls

Aroclor 1262 (PCB-1262) in Oil	EPA 8082A
Aroclor 1268 (PCB-1268)	EPA 8082A
Aroclor 1268 (PCB-1268) in Oil	EPA 8082A

Polynuclear Aromatic Hydrocarbons

Acenaphthene	EPA 8270D
Acenaphthylene	EPA 8270D
Anthracene	EPA 8270D
Benzo(a)anthracene	EPA 8270D
Benzo(a)pyrene	EPA 8270D
Benzo(b)fluoranthene	EPA 8270D
Benzo(g,h,i)perylene	EPA 8270D
Benzo(k)fluoranthene	EPA 8270D
Chrysene	EPA 8270D
Dibenzo(a,h)anthracene	EPA 8270D
Fluoranthene	EPA 8270D
Fluorene	EPA 8270D
Indeno(1,2,3-cd)pyrene	EPA 8270D
Naphthalene	EPA 8270D
Phenanthrene	EPA 8270D
Pyrene	EPA 8270D

Priority Pollutant Phenols

2,3,4,6 Tetrachlorophenol	EPA 8270D
2,4,5-Trichlorophenol	EPA 8270D
2,4,6-Trichlorophenol	EPA 8270D
2,4-Dichlorophenol	EPA 8270D

Priority Pollutant Phenols

2,4-Dimethylphenol	EPA 8270D
2,4-Dinitrophenol	EPA 8270D
2-Chlorophenol	EPA 8270D
2-Methyl-4,6-dinitrophenol	EPA 8270D
2-Methylphenol	EPA 8270D
2-Nitrophenol	EPA 8270D
4-Chloro-3-methylphenol	EPA 8270D
4-Methylphenol	EPA 8270D
4-Nitrophenol	EPA 8270D
Pentachlorophenol	EPA 8270D
Phenol	EPA 8270D

Semi-Volatile Organics

1,1'-Biphenyl	EPA 8270D
1,2-Dichlorobenzene, Semi-volatile	EPA 8270D
1,3-Dichlorobenzene, Semi-volatile	EPA 8270D
1,4-Dichlorobenzene, Semi-volatile	EPA 8270D
2-Methylnaphthalene	EPA 8270D
Acetophenone	EPA 8270D
Benzaldehyde	EPA 8270D
Benzoic Acid	EPA 8270D
Benzyl alcohol	EPA 8270D
Caprolactam	EPA 8270D
Dibenzofuran	EPA 8270D

Volatile Aromatics

1,2,4-Trichlorobenzene, Volatile	EPA 8260C

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Volatile Aromatics

1,2,4-Trimethylbenzene	EPA 8260C
1,2-Dichlorobenzene	EPA 8260C
1,3,5-Trimethylbenzene	EPA 8260C
1,3-Dichlorobenzene	EPA 8260C
1,4-Dichlorobenzene	EPA 8260C
2-Chlorotoluene	EPA 8260C
4-Chlorotoluene	EPA 8260C
Benzene	EPA 8260C
Bromobenzene	EPA 8260C
Chlorobenzene	EPA 8260C
Ethyl benzene	EPA 8260C
Isopropylbenzene	EPA 8260C
m/p-Xylenes	EPA 8260C
Naphthalene, Volatile	EPA 8260C
n-Butylbenzene	EPA 8260C
n-Propylbenzene	EPA 8260C
o-Xylene	EPA 8260C
p-Isopropyltoluene (P-Cymene)	EPA 8260C
sec-Butylbenzene	EPA 8260C
Styrene	EPA 8260C
tert-Butylbenzene	EPA 8260C
Toluene	EPA 8260C
Total Xylenes	EPA 8260C

Volatile Halocarbons

1,1,1,2-Tetrachloroethane	EPA 8260C

Volatile Halocarbons

1,1,1-Trichloroethane	EPA 8260C
1,1,2,2-Tetrachloroethane	EPA 8260C
1,1,2-Trichloro-1,2,2-Trifluoroethane	EPA 8260C
1,1,2-Trichloroethane	EPA 8260C
1,1-Dichloroethane	EPA 8260C
1,1-Dichloroethene	EPA 8260C
1,1-Dichloropropene	EPA 8260C
1,2,3-Trichloropropane	EPA 8260C
1,2-Dibromo-3-chloropropane	EPA 8260C
1,2-Dibromoethane	EPA 8260C
1,2-Dichloroethane	EPA 8260C
1,2-Dichloropropane	EPA 8260C
1,3-Dichloropropane	EPA 8260C
2,2-Dichloropropane	EPA 8260C
2-Chloroethylvinyl ether	EPA 8260C
Bromochloromethane	EPA 8260C
Bromodichloromethane	EPA 8260C
Bromoform	EPA 8260C
Bromomethane	EPA 8260C
Carbon tetrachloride	EPA 8260C
Chloroethane	EPA 8260C
Chloroform	EPA 8260C
Chloromethane	EPA 8260C
cis-1,2-Dichloroethene	EPA 8260C
cis-1,3-Dichloropropene	EPA 8260C
Dibromochloromethane	EPA 8260C

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Volatile Halocarbons	
Dibromomethane	EPA 8260C
Dichlorodifluoromethane	EPA 8260C
Hexachlorobutadiene, Volatile	EPA 8260C
Methylene chloride	EPA 8260C
Tetrachloroethene	EPA 8260C
trans-1,2-Dichloroethene	EPA 8260C
trans-1,3-Dichloropropene	EPA 8260C
Trichloroethene	EPA 8260C
Trichlorofluoromethane	EPA 8260C
Vinyl chloride	EPA 8260C

Volatile Organics	
1,4-Dioxane	EPA 8260C
2-Butanone (Methylethyl ketone)	EPA 8260C
2-Hexanone	EPA 8260C
4-Methyl-2-Pentanone	EPA 8260C
Acetone	EPA 8260C
Carbon Disulfide	EPA 8260C
Cyclohexane	EPA 8260C
Methyl acetate	EPA 8260C
Methyl cyclohexane	EPA 8260C
Methyl tert-butyl ether	EPA 8260C
tert-butyl alcohol	EPA 8260C
Vinyl acetate	EPA 8260C

Sample Preparation Methods	
	EPA 5035A-L

Sample Preparation Methods	
	EPA 5035A-H
	EPA 3580A
	EPA 3010A
	EPA 3050B
	EPA 3550C
	EPA 3546
	EPA 3545A
	EPA 3060A
	EPA 9010C

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SHA Occupational Safety and Health Administration

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JAMES KLEMM

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