

**Matrix Spike Analysis**  
Batch Quality Control

**Project Name:** 266-270 W. 96TH STREET

**Lab Number:** L1817937

**Project Number:** 170432001

**Report Date:** 05/23/18

<b>Parameter</b>	<b>Native Sample</b>	<b>MS Added</b>	<b>MS Found</b>	<b>MS %Recovery</b>	<b>MSD Found</b>	<b>MSD %Recovery</b>	<b>Recovery Limits</b>	<b>RPD</b>	<b>RPD Limits</b>
Total Metals - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1117547-3 QC Sample: L1817937-01 Client ID: SB-03_0-2									
Zinc, Total	50.4	43	86.4	84	-	-	75-125	-	20

## Lab Duplicate Analysis

Batch Quality Control

Project Name: 266-270 W. 96TH STREET

Project Number: 170432001

Lab Number: L1817937

Report Date: 05/23/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
<b>Total Metals - Mansfield Lab Associated sample(s): 07 QC Batch ID: WG1116782-4 QC Sample: L1817508-02 Client ID: DUP Sample</b>						
Mercury, Total	ND	ND	mg/l	NC		20
<b>Total Metals - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1117044-4 QC Sample: L1817807-01 Client ID: DUP Sample</b>						
Mercury, Total	ND	0.016J	mg/kg	NC		20
<b>Total Metals - Mansfield Lab Associated sample(s): 07 QC Batch ID: WG1117498-4 QC Sample: L1817941-01 Client ID: DUP Sample</b>						
Arsenic, Total	ND	ND	mg/l	NC		20
Iron, Total	0.582	0.543	mg/l	7		20
Manganese, Total	1.07	1.02	mg/l	5		20
Sodium, Total	20.5	19.8	mg/l	3		20

## Lab Duplicate Analysis

### Batch Quality Control

Project Name: 266-270 W. 96TH STREET

Project Number: 170432001

Lab Number: L1817937

Report Date: 05/23/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1117547-4 QC Sample: L1817937-01 Client ID: SB-03_0-2					
Aluminum, Total	10600	10500	mg/kg	1	20
Antimony, Total	ND	ND	mg/kg	NC	20
Arsenic, Total	2.70	2.93	mg/kg	8	20
Barium, Total	65.8	64.1	mg/kg	3	20
Beryllium, Total	0.299J	0.289J	mg/kg	NC	20
Cadmium, Total	ND	ND	mg/kg	NC	20
Calcium, Total	4980	4510	mg/kg	10	20
Chromium, Total	16.8	17.2	mg/kg	2	20
Cobalt, Total	9.22	9.42	mg/kg	2	20
Copper, Total	21.0	22.5	mg/kg	7	20
Iron, Total	16000	16300	mg/kg	2	20
Lead, Total	92.6	106	mg/kg	13	20
Magnesium, Total	3460	3400	mg/kg	2	20
Manganese, Total	253.	316	mg/kg	22	Q 20
Nickel, Total	16.6	17.3	mg/kg	4	20
Potassium, Total	2500	2310	mg/kg	8	20
Selenium, Total	0.633J	0.903J	mg/kg	NC	20
Silver, Total	ND	ND	mg/kg	NC	20
Sodium, Total	191.	180	mg/kg	6	20

## Lab Duplicate Analysis

Batch Quality Control

**Project Name:** 266-270 W. 96TH STREET

**Project Number:** 170432001

**Lab Number:** L1817937

**Report Date:** 05/23/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1117547-4 QC Sample: L1817937-01 Client ID: SB-03_0-2					
Thallium, Total	ND	ND	mg/kg	NC	20
Vanadium, Total	21.4	22.2	mg/kg	4	20
Zinc, Total	50.4	53.3	mg/kg	6	20



# **INORGANICS & MISCELLANEOUS**

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L1817937  
**Report Date:** 05/23/18

**SAMPLE RESULTS**

**Lab ID:** L1817937-01  
**Client ID:** SB-03\_0-2  
**Sample Location:** MANHATTAN, NY

**Date Collected:** 05/16/18 11:00  
**Date Received:** 05/16/18  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	87.6		%	0.100	NA	1	-	05/18/18 12:34	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.1	0.24	1	05/17/18 13:10	05/17/18 15:59	1,9010C/9012B	LH
Chromium, Hexavalent	ND		mg/kg	0.913	0.183	1	05/17/18 07:05	05/17/18 23:15	1,7196A	JD



**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L1817937  
**Report Date:** 05/23/18

**SAMPLE RESULTS**

**Lab ID:** L1817937-02  
**Client ID:** SB-03\_5-5.5  
**Sample Location:** MANHATTAN, NY

**Date Collected:** 05/16/18 11:15  
**Date Received:** 05/16/18  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	86.8		%	0.100	NA	1	-	05/18/18 12:34	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.1	0.23	1	05/17/18 13:10	05/17/18 16:00	1,9010C/9012B	LH
Chromium, Hexavalent	ND		mg/kg	0.922	0.184	1	05/17/18 07:05	05/17/18 23:15	1,7196A	JD



**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L1817937  
**Report Date:** 05/23/18

**SAMPLE RESULTS**

**Lab ID:** L1817937-03  
**Client ID:** SB-04\_0-2  
**Sample Location:** MANHATTAN, NY

**Date Collected:** 05/16/18 10:00  
**Date Received:** 05/16/18  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	84.0		%	0.100	NA	1	-	05/18/18 12:34	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.1	0.24	1	05/17/18 13:10	05/17/18 16:01	1,9010C/9012B	LH
Chromium, Hexavalent	ND		mg/kg	0.952	0.190	1	05/17/18 07:05	05/17/18 23:15	1,7196A	JD



**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L1817937  
**Report Date:** 05/23/18

**SAMPLE RESULTS**

**Lab ID:** L1817937-04  
**Client ID:** SB-07\_0-2  
**Sample Location:** MANHATTAN, NY

**Date Collected:** 05/16/18 10:25  
**Date Received:** 05/16/18  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	86.6		%	0.100	NA	1	-	05/18/18 12:34	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.1	0.24	1	05/17/18 13:10	05/17/18 16:02	1,9010C/9012B	LH
Chromium, Hexavalent	ND		mg/kg	0.924	0.185	1	05/17/18 07:05	05/17/18 23:15	1,7196A	JD



**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L1817937  
**Report Date:** 05/23/18

**SAMPLE RESULTS**

**Lab ID:** L1817937-05  
**Client ID:** SB-08\_0-2  
**Sample Location:** MANHATTAN, NY

**Date Collected:** 05/16/18 10:45  
**Date Received:** 05/16/18  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	88.2		%	0.100	NA	1	-	05/18/18 12:34	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.1	0.24	1	05/17/18 13:10	05/17/18 16:03	1,9010C/9012B	LH
Chromium, Hexavalent	ND		mg/kg	0.907	0.181	1	05/17/18 07:05	05/17/18 23:15	1,7196A	JD



**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L1817937  
**Report Date:** 05/23/18

**SAMPLE RESULTS**

**Lab ID:** L1817937-06  
**Client ID:** DUP01\_051618  
**Sample Location:** MANHATTAN, NY

**Date Collected:** 05/16/18 10:35  
**Date Received:** 05/16/18  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	85.6		%	0.100	NA	1	-	05/18/18 12:34	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.1	0.24	1	05/17/18 13:10	05/17/18 16:04	1,9010C/9012B	LH
Chromium, Hexavalent	ND		mg/kg	0.934	0.187	1	05/17/18 07:05	05/17/18 23:15	1,7196A	JD



**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L1817937  
**Report Date:** 05/23/18

**SAMPLE RESULTS**

**Lab ID:** L1817937-07  
**Client ID:** FIELD BLANK  
**Sample Location:** MANHATTAN, NY

**Date Collected:** 05/16/18 15:00  
**Date Received:** 05/16/18  
**Field Prep:** None

**Sample Depth:**  
**Matrix:** Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Cyanide, Total	ND		mg/l	0.005	0.001	1	05/17/18 10:30	05/17/18 13:26	1,9010C/9012B	LH
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	05/17/18 04:03	05/17/18 05:08	1,7196A	MA





Project Name: 266-270 W. 96TH STREET

Lab Number: L1817937

Project Number: 170432001

Report Date: 05/23/18

**Method Blank Analysis**  
**Batch Quality Control**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 07 Batch: WG1116602-1										
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	05/17/18 04:03	05/17/18 05:06	1,7196A	MA
General Chemistry - Westborough Lab for sample(s): 01-06 Batch: WG1116653-1										
Chromium, Hexavalent	ND		mg/kg	0.800	0.160	1	05/17/18 07:05	05/17/18 23:15	1,7196A	JD
General Chemistry - Westborough Lab for sample(s): 07 Batch: WG1116738-1										
Cyanide, Total	ND		mg/l	0.005	0.001	1	05/17/18 10:30	05/17/18 13:12	1,9010C/9012B	LH
General Chemistry - Westborough Lab for sample(s): 01-06 Batch: WG1116794-1										
Cyanide, Total	ND		mg/kg	0.88	0.19	1	05/17/18 13:10	05/17/18 15:44	1,9010C/9012B	LH

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 266-270 W. 96TH STREET

**Project Number:** 170432001

**Lab Number:** L1817937

**Report Date:** 05/23/18

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
General Chemistry - Westborough Lab Associated sample(s): 07 Batch: WG1116602-2								
Chromium, Hexavalent	90		-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 01-06 Batch: WG1116653-2								
Chromium, Hexavalent	87		-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 07 Batch: WG1116738-2 WG1116738-3								
Cyanide, Total	89		88		85-115	1		20
General Chemistry - Westborough Lab Associated sample(s): 01-06 Batch: WG1116794-2 WG1116794-3								
Cyanide, Total	73	Q	77	Q	80-120	2		35

### Matrix Spike Analysis Batch Quality Control

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L1817937  
**Report Date:** 05/23/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Qual	MSD Found	MSD %Recovery	MSD Qual	Recovery Limits	RPD	RPD Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 07 QC Batch ID: WG1116602-4 QC Sample: L1817937-07 Client ID: FIELD BLANK												
Chromium, Hexavalent	ND	0.1	0.100	100	-	-	-	-	85-115	-	-	20
General Chemistry - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG1116653-4 QC Sample: L1817937-04 Client ID: SB-07_0-2												
Chromium, Hexavalent	ND	1070	1110	103	-	-	-	-	75-125	-	-	20
General Chemistry - Westborough Lab Associated sample(s): 07 QC Batch ID: WG1116738-4 WG1116738-5 QC Sample: L1817909-01 Client ID: MS Sample												
Cyanide, Total	ND	0.2	0.177	88	0.181	0.181	90	-	80-120	2	-	20
General Chemistry - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG1116794-4 WG1116794-5 QC Sample: L1817648-02 Client ID: MS Sample												
Cyanide, Total	0.31J	13	13	96	12	12	92	-	75-125	8	-	35



## Lab Duplicate Analysis

Batch Quality Control

**Project Name:** 266-270 W. 96TH STREET

**Project Number:** 170432001

**Lab Number:** L1817937

**Report Date:** 05/23/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 07 QC Batch ID: WG1116602-3 QC Sample: L1817937-07 Client ID: FIELD BLANK						
Chromium, Hexavalent	ND	ND	mg/l	NC		20
General Chemistry - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG1116653-6 QC Sample: L1817937-04 Client ID: SB-07_0-2						
Chromium, Hexavalent	ND	ND	mg/kg	NC		20
General Chemistry - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG1117262-1 QC Sample: L1817937-01 Client ID: SB-03_0-2						
Solids, Total	87.6	88.9	%	1		20

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Serial\_No:**05231814:44  
**Lab Number:** L1817937  
**Report Date:** 05/23/18

**Sample Receipt and Container Information**

Were project specific reporting limits specified? YES

**Cooler Information**

<b>Cooler</b>	<b>Custody Seal</b>
A	Absent
B	Absent

**Container Information**

<b>Container ID</b>	<b>Container Type</b>	<b>Cooler</b>	<b>Initial pH</b>	<b>Final pH</b>	<b>Temp deg C</b>	<b>Pres</b>	<b>Seal</b>	<b>Frozen Date/Time</b>	<b>Analysis(*)</b>
L1817937-01A	5 gram Encore Sampler	B	NA		2.6	Y	Absent		NYTCL-8260HLW(14)
L1817937-01B	5 gram Encore Sampler	B	NA		2.6	Y	Absent		NYTCL-8260HLW(14)
L1817937-01C	5 gram Encore Sampler	B	NA		2.6	Y	Absent		NYTCL-8260HLW(14)
L1817937-01D	Plastic 2oz unpreserved for TS	B	NA		2.6	Y	Absent		TS(7)
L1817937-01E	Metals Only-Glass 60mL/2oz unpreserved	B	NA		2.6	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1817937-01F	Glass 120ml/4oz unpreserved	B	NA		2.6	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30)
L1817937-01G	Glass 250ml/8oz unpreserved	B	NA		2.6	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30)
L1817937-01X	Vial MeOH preserved split	B	NA		2.6	Y	Absent		NYTCL-8260HLW(14)
L1817937-01Y	Vial Water preserved split	B	NA		2.6	Y	Absent	17-MAY-18 10:15	NYTCL-8260HLW(14)
L1817937-01Z	Vial Water preserved split	B	NA		2.6	Y	Absent	17-MAY-18 10:15	NYTCL-8260HLW(14)
L1817937-02A	5 gram Encore Sampler	B	NA		2.6	Y	Absent		NYTCL-8260HLW(14)
L1817937-02B	5 gram Encore Sampler	B	NA		2.6	Y	Absent		NYTCL-8260HLW(14)
L1817937-02C	5 gram Encore Sampler	B	NA		2.6	Y	Absent		NYTCL-8260HLW(14)
L1817937-02D	Plastic 2oz unpreserved for TS	B	NA		2.6	Y	Absent		TS(7)
L1817937-02E	Metals Only-Glass 60mL/2oz unpreserved	B	NA		2.6	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1817937-02F	Glass 120ml/4oz unpreserved	B	NA		2.6	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30)

\*Values in parentheses indicate holding time in days



Project Name: 266-270 W. 96TH STREET

Lab Number: L1817937

Project Number: 170432001

Report Date: 05/23/18

**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1817937-02G	Glass 250ml/8oz unpreserved	B	NA		2.6	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30)
L1817937-02X	Vial MeOH preserved split	B	NA		2.6	Y	Absent		NYTCL-8260HLW(14)
L1817937-02Y	Vial Water preserved split	B	NA		2.6	Y	Absent	17-MAY-18 10:15	NYTCL-8260HLW(14)
L1817937-02Z	Vial Water preserved split	B	NA		2.6	Y	Absent	17-MAY-18 10:15	NYTCL-8260HLW(14)
L1817937-03A	5 gram Encore Sampler	B	NA		2.6	Y	Absent		NYTCL-8260HLW(14)
L1817937-03B	5 gram Encore Sampler	B	NA		2.6	Y	Absent		NYTCL-8260HLW(14)
L1817937-03C	5 gram Encore Sampler	B	NA		2.6	Y	Absent		NYTCL-8260HLW(14)
L1817937-03D	Plastic 2oz unpreserved for TS	B	NA		2.6	Y	Absent		TS(7)
L1817937-03E	Metals Only-Glass 60mL/2oz unpreserved	B	NA		2.6	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1817937-03F	Glass 120ml/4oz unpreserved	B	NA		2.6	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30)
L1817937-03G	Glass 250ml/8oz unpreserved	B	NA		2.6	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30)
L1817937-03X	Vial MeOH preserved split	B	NA		2.6	Y	Absent		NYTCL-8260HLW(14)
L1817937-03Y	Vial Water preserved split	B	NA		2.6	Y	Absent	17-MAY-18 10:15	NYTCL-8260HLW(14)
L1817937-03Z	Vial Water preserved split	B	NA		2.6	Y	Absent	17-MAY-18 10:15	NYTCL-8260HLW(14)
L1817937-04A	5 gram Encore Sampler	B	NA		2.6	Y	Absent		NYTCL-8260HLW(14)
L1817937-04B	5 gram Encore Sampler	B	NA		2.6	Y	Absent		NYTCL-8260HLW(14)
L1817937-04C	5 gram Encore Sampler	B	NA		2.6	Y	Absent		NYTCL-8260HLW(14)
L1817937-04D	Plastic 2oz unpreserved for TS	B	NA		2.6	Y	Absent		TS(7)
L1817937-04E	Metals Only-Glass 60mL/2oz unpreserved	B	NA		2.6	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1817937-04F	Glass 120ml/4oz unpreserved	B	NA		2.6	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30)
L1817937-04G	Glass 250ml/8oz unpreserved	B	NA		2.6	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30)
L1817937-04X	Vial MeOH preserved split	B	NA		2.6	Y	Absent		NYTCL-8260HLW(14)

Project Name: 266-270 W. 96TH STREET

Lab Number: L1817937

Project Number: 170432001

Report Date: 05/23/18

**Container Information**

<b>Container ID</b>	<b>Container Type</b>	<b>Cooler</b>	<b>Initial pH</b>	<b>Final pH</b>	<b>Temp deg C</b>	<b>Pres</b>	<b>Seal</b>	<b>Frozen Date/Time</b>	<b>Analysis(*)</b>
L1817937-04Y	Vial Water preserved split	B	NA		2.6	Y	Absent	17-MAY-18 10:15	NYTCL-8260HLW(14)
L1817937-04Z	Vial Water preserved split	B	NA		2.6	Y	Absent	17-MAY-18 10:15	NYTCL-8260HLW(14)
L1817937-05A	5 gram Encore Sampler	B	NA		2.6	Y	Absent		NYTCL-8260HLW(14)
L1817937-05B	5 gram Encore Sampler	B	NA		2.6	Y	Absent		NYTCL-8260HLW(14)
L1817937-05C	5 gram Encore Sampler	B	NA		2.6	Y	Absent		NYTCL-8260HLW(14)
L1817937-05D	Plastic 2oz unpreserved for TS	B	NA		2.6	Y	Absent		TS(7)
L1817937-05E	Metals Only-Glass 60mL/2oz unpreserved	B	NA		2.6	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1817937-05F	Glass 120ml/4oz unpreserved	B	NA		2.6	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30)
L1817937-05G	Glass 250ml/8oz unpreserved	B	NA		2.6	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30)
L1817937-05X	Vial MeOH preserved split	B	NA		2.6	Y	Absent		NYTCL-8260HLW(14)
L1817937-05Y	Vial Water preserved split	B	NA		2.6	Y	Absent	17-MAY-18 10:15	NYTCL-8260HLW(14)
L1817937-05Z	Vial Water preserved split	B	NA		2.6	Y	Absent	17-MAY-18 10:15	NYTCL-8260HLW(14)
L1817937-06A	5 gram Encore Sampler	B	NA		2.6	Y	Absent		NYTCL-8260HLW(14)
L1817937-06B	5 gram Encore Sampler	B	NA		2.6	Y	Absent		NYTCL-8260HLW(14)
L1817937-06C	5 gram Encore Sampler	B	NA		2.6	Y	Absent		NYTCL-8260HLW(14)
L1817937-06D	Plastic 2oz unpreserved for TS	B	NA		2.6	Y	Absent		TS(7)
L1817937-06E	Metals Only-Glass 60mL/2oz unpreserved	B	NA		2.6	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1817937-06F	Glass 120ml/4oz unpreserved	B	NA		2.6	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30)
L1817937-06G	Glass 250ml/8oz unpreserved	B	NA		2.6	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30)
L1817937-06X	Vial MeOH preserved split	B	NA		2.6	Y	Absent		NYTCL-8260HLW(14)
L1817937-06Y	Vial Water preserved split	B	NA		2.6	Y	Absent	17-MAY-18 10:15	NYTCL-8260HLW(14)
L1817937-06Z	Vial Water preserved split	B	NA		2.6	Y	Absent	17-MAY-18 10:15	NYTCL-8260HLW(14)

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Serial\_No:**05231814:44  
**Lab Number:** L1817937  
**Report Date:** 05/23/18

**Container Information**

<b>Container ID</b>	<b>Container Type</b>	<b>Cooler</b>	<b>Initial pH</b>	<b>Final pH</b>	<b>Temp deg C</b>	<b>Pres</b>	<b>Seal</b>	<b>Frozen Date/Time</b>	<b>Analysis(*)</b>
L1817937-07A	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260(14)
L1817937-07B	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260(14)
L1817937-07C	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260(14)
L1817937-07D	Plastic 250ml NaOH preserved	A	>12	>12	3.3	Y	Absent		TCN-9010(14)
L1817937-07E	Plastic 250ml HNO3 preserved	A	<2	<2	3.3	Y	Absent		HOLD-METAL-DISSOLVED(180)
L1817937-07F	Plastic 250ml HNO3 preserved	A	<2	<2	3.3	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1817937-07G	Plastic 500ml unpreserved	A	7	7	3.3	Y	Absent		HEXCR-7196(1)
L1817937-07H	Amber 120ml unpreserved	A	7	7	3.3	Y	Absent		NYTCL-8081(7)
L1817937-07I	Amber 120ml unpreserved	A	7	7	3.3	Y	Absent		NYTCL-8081(7)
L1817937-07J	Amber 1000ml unpreserved	A	7	7	3.3	Y	Absent		NYTCL-8270(7),NYTCL-8270-SIM(7)
L1817937-07K	Amber 1000ml unpreserved	A	7	7	3.3	Y	Absent		NYTCL-8270(7),NYTCL-8270-SIM(7)
L1817937-07L	Amber 1000ml unpreserved	A	7	7	3.3	Y	Absent		NYTCL-8082-1200ML(7)
L1817937-07M	Amber 1000ml unpreserved	A	7	7	3.3	Y	Absent		NYTCL-8082-1200ML(7)



**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L1817937  
**Report Date:** 05/23/18

## GLOSSARY

### Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

### Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

### Terms

**Analytical Method:** Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

**Final pH:** As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

**Frozen Date/Time:** With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

**Initial pH:** As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

**Total:** With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

### Data Qualifiers

- A** - Spectra identified as "Aldol Condensation Product".
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related

**Report Format:** DU Report with 'J' Qualifiers



**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L1817937  
**Report Date:** 05/23/18

#### Data Qualifiers

projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers



**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L1817937  
**Report Date:** 05/23/18

## REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.
- 107 Alpha Analytical - In-house calculation method.
- 121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

## LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



## Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

### Westborough Facility

**EPA 624:** m/p-xylene, o-xylene

**EPA 8260C:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.

**EPA 8270D:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.

**EPA 300:** DW: Bromide

**EPA 6860:** SCM: Perchlorate

**EPA 9010:** NPW and SCM: Amenable Cyanide Distillation

**SM4500:** NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO<sub>2</sub>, NO<sub>3</sub>.

### Mansfield Facility

**SM 2540D:** TSS

**EPA 8082A:** NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.

**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

**Biological Tissue Matrix:** EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

### Westborough Facility:

#### Drinking Water

**EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,**

**EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B**

**EPA 332:** Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.

**Microbiology:** **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.**

#### Non-Potable Water

**SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:**

Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **EPA 351.1, SM4500P-E, SM4500P-B, E,**

**SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D.**

**EPA 624:** Volatile Halocarbons & Aromatics,

**EPA 608:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II,

Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

**EPA 625:** SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.

**Microbiology:** **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, SM9222D.**

### Mansfield Facility:

#### Drinking Water

**EPA 200.7:** Al, Ba, Be, Cd, Cr, Cu, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1 Hg.**

**EPA 522.**

#### Non-Potable Water


**EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.

**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn.

**EPA 245.1 Hg.**

**SM2340B**

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

 <p><b>NEW YORK CHAIN OF CUSTODY</b></p> <p>Westborough, MA 01581 8 Walkup Dr. TEL: 508-898-9220 FAX: 508-898-9193</p>		<p><b>Service Centers</b></p> <p>Mahwah, NJ 07430: 35 Whitney Rd, Suite 5 Albany, NY 12205: 14 Walker Way Tonawanda, NY 14150: 275 Cooper Ave, Suite 105</p>		<p>Page <u>1</u> of <u>1</u></p>		<p>Date Rec'd in Lab <u>5/17/18</u></p>		<p>ALPHA Job # <u>L1817937</u></p>			
<p>Mansfield, MA 02048 320 Forbes Blvd TEL: 508-822-9300 FAX: 508-822-3288</p>		<p><b>Project Information</b></p> <p>Project Name: <u>266-270 W 96th Street</u></p> <p>Project Location: <u>Manhattan, NY</u></p>		<p><b>Deliverables</b></p> <p><input type="checkbox"/> ASP-A <input checked="" type="checkbox"/> ASP-B <input type="checkbox"/> EQUIS (1 File) <input type="checkbox"/> EQUIS (4 File) <input type="checkbox"/> Other</p>		<p><b>Billing Information</b></p> <p><input type="checkbox"/> Same as Client Info PO #</p>					
<p><b>Client Information</b></p> <p>Client: <u>Langan Engineering</u></p> <p>Address: <u>360 W 31st Street, Manhattan, NY</u></p> <p>Phone: <u>212-479-5400</u></p> <p>Fax:</p> <p>Email: <u>bpachenarr@langan.com</u></p>		<p>Project # <u>170432001</u></p> <p>(Use Project name as Project #) <input type="checkbox"/></p> <p>Project Manager: <u>Brian Cachenarr</u></p> <p>ALPHAQuote #:</p> <p>Turn-Around Time</p> <p>Standard <input checked="" type="checkbox"/> Due Date: Rush (only if pre approved) <input type="checkbox"/> # of Days:</p>		<p><b>Regulatory Requirement</b></p> <p><input type="checkbox"/> NY TOGS <input type="checkbox"/> NY Part 375 <input type="checkbox"/> AWQ Standards <input type="checkbox"/> NY CP-51 <input type="checkbox"/> NY Restricted Use <input type="checkbox"/> Other <input checked="" type="checkbox"/> NY Unrestricted Use <input type="checkbox"/> NYC Sewer Discharge</p>		<p><b>Disposal Site Information</b></p> <p>Please identify below location of applicable disposal facilities.</p> <p>Disposal Facility:</p> <p><input type="checkbox"/> NJ <input type="checkbox"/> NY <input type="checkbox"/> Other:</p>					
<p>These samples have been previously analyzed by Alpha <input type="checkbox"/></p> <p>Other project specific requirements/comments:</p> <p>Please specify Metals or TAL.</p>		<p><b>ANALYSIS</b></p> <p>VOCs 6260 SVOCs 6270 Pesticides 808/810 Trivalent/Hex Chromium Metals 6010 Cyanide</p>		<p><b>Sample Filtration</b></p> <p><input type="checkbox"/> Done <input type="checkbox"/> Lab to do <b>Preservation</b> <input type="checkbox"/> Lab to do  (Please Specify below)</p>							
<p>ALPHA Lab ID (Lab Use Only)</p>		<p>Sample ID</p>		<p>Collection</p> <p>Date Time</p>		<p>Sample Matrix</p>		<p>Sampler's Initials</p>		<p>Sample Specific Comments</p>	
<p>17937 - 01</p>		<p>SB-03-0-2</p>		<p>5/16/18 11:00</p>		<p>Soil</p>		<p>KT</p>		<p></p>	
<p>-02</p>		<p>SB-03-5-5.5</p>		<p>11:15</p>		<p>↓</p>		<p>↓</p>		<p></p>	
<p>-03</p>		<p>SB-04-0-2</p>		<p>10:00</p>		<p>↓</p>		<p>↓</p>		<p></p>	
<p>-04</p>		<p>SB-07-0-2</p>		<p>10:25</p>		<p>↓</p>		<p>↓</p>		<p></p>	
<p>-05</p>		<p>SB-08-0-2</p>		<p>10:45</p>		<p>↓</p>		<p>↓</p>		<p></p>	
<p>-06</p>		<p>DIP11-051618</p>		<p>10:35</p>		<p>↓</p>		<p>↓</p>		<p></p>	
<p>-07</p>		<p>Field blank</p>		<p>5/16/18 15:00</p>		<p>Water</p>		<p>↓</p>		<p></p>	
<p>Preservative Code: A = None B = HCl C = HNO<sub>3</sub> D = H<sub>2</sub>SO<sub>4</sub> E = NaOH F = MeOH G = NaHSO<sub>4</sub> H = Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub> K/E = Zn Ac/NaOH O = Other</p>		<p>Container Code P = Plastic A = Amber Glass V = Vial G = Glass B = Bacteria Cup C = Cube O = Other E = Encore D = BOD Bottle</p>		<p>Westboro: Certification No: MA935 Mansfield: Certification No: MA015</p>		<p>Container Type</p>		<p>Preservative</p>		<p>Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS &amp; CONDITIONS. (See reverse side.)</p>	
		<p>Relinquished By: <u>Kyle Twardy</u></p>		<p>Date/Time: <u>5/16/18 15:37</u></p>		<p>Received By: <u>Daniel Santos</u></p>		<p>Date/Time: <u>5/16/18 15:37</u></p>			
		<p><u>Daniel Santos AAC</u></p>		<p><u>5/16/18 18:26</u></p>		<p><u>Daniel Santos AAC</u></p>		<p><u>5/16/18 18:45</u></p>			
		<p><u>Daniel Santos AAC</u></p>		<p><u>5/14/18 2:59</u></p>		<p><u>Munish Datta</u></p>		<p><u>5/17/18 00:00</u></p>			



## ANALYTICAL REPORT

Lab Number:	L1819490
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Kimberly Del Col
Phone:	(212) 479-5486
Project Name:	266-270 W. 96TH STREET
Project Number:	170432001
Report Date:	06/04/18

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

---

Eight Walkup Drive, Westborough, MA 01581-1019  
508-898-9220 (Fax) 508-898-9193 800-624-9220 - [www.alphalab.com](http://www.alphalab.com)





**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L1819490  
**Report Date:** 06/04/18

<b>Alpha Sample ID</b>	<b>Client ID</b>	<b>Matrix</b>	<b>Sample Location</b>	<b>Collection Date/Time</b>	<b>Receive Date</b>
L1819490-01	SB01_0.5-1.5	SOIL	268 W. 96TH STREET	05/25/18 11:00	05/25/18
L1819490-02	SB01_6-7	SOIL	268 W. 96TH STREET	05/25/18 11:05	05/25/18
L1819490-03	SB02_0.5-1.5	SOIL	268 W. 96TH STREET	05/25/18 12:50	05/25/18
L1819490-04	SB02_4.5-5.5	SOIL	268 W. 96TH STREET	05/25/18 12:55	05/25/18
L1819490-05	SB02_11-12	SOIL	268 W. 96TH STREET	05/25/18 13:10	05/25/18
L1819490-06	SB05_0.5-1.5	SOIL	268 W. 96TH STREET	05/25/18 11:35	05/25/18
L1819490-07	SB05_5-6	SOIL	268 W. 96TH STREET	05/25/18 11:30	05/25/18
L1819490-08	TRIP BLANK_052518	WATER	268 W. 96TH STREET	05/25/18 00:00	05/25/18

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L1819490  
**Report Date:** 06/04/18

### Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

#### HOLD POLICY

For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.



**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L1819490  
**Report Date:** 06/04/18

### Case Narrative (continued)

#### Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

#### Pesticides

L1819490-04: The sample has elevated detection limits due to the dilution required by the sample matrix.

L1819490-04: The surrogate recoveries are below the acceptance criteria for 2,4,5,6-tetrachloro-m-xylene (0%) and decachlorobiphenyl (0%) due to the dilution required to quantitate the sample. Re-extraction was not required; therefore, the results of the original analysis are reported.

#### Total Metals

L1819490-01 through -07: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.

#### Cyanide, Total

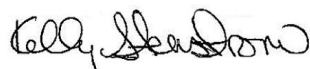
The WG1120111-2/-3 LCS/LCSD recoveries (48%/71%), associated with L1819490-01 through -07, are outside our in-house acceptance criteria, but within the vendor-certified acceptance limits. The results of the original analyses are reported. The LCS/LCSD RPD (44%) is above the acceptance criteria.

#### Hexavalent Chromium

The WG1120458-2 LCS recovery (77%), associated with L1819490-01 through -07, is outside our in-house acceptance criteria, but within the vendor-certified acceptance limits. The results of the original analyses are reported.

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. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:

 Kelly Stenstrom

Title: Technical Director/Representative

Date: 06/04/18

# ORGANICS

# VOLATILES

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L1819490  
**Report Date:** 06/04/18

**SAMPLE RESULTS**

Lab ID: L1819490-01  
 Client ID: SB01\_0.5-1.5  
 Sample Location: 268 W. 96TH STREET

Date Collected: 05/25/18 11:00  
 Date Received: 05/25/18  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8260C  
 Analytical Date: 06/01/18 04:26  
 Analyst: MV  
 Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by 8260/5035 - Westborough Lab</b>						
Methylene chloride	ND		ug/kg	9.7	1.6	1
1,1-Dichloroethane	ND		ug/kg	1.4	0.26	1
Chloroform	ND		ug/kg	1.4	0.36	1
Carbon tetrachloride	ND		ug/kg	0.97	0.33	1
1,2-Dichloropropane	ND		ug/kg	3.4	0.22	1
Dibromochloromethane	ND		ug/kg	0.97	0.17	1
1,1,2-Trichloroethane	ND		ug/kg	1.4	0.30	1
Tetrachloroethene	1.4		ug/kg	0.97	0.29	1
Chlorobenzene	ND		ug/kg	0.97	0.34	1
Trichlorofluoromethane	ND		ug/kg	4.8	0.40	1
1,2-Dichloroethane	ND		ug/kg	0.97	0.24	1
1,1,1-Trichloroethane	ND		ug/kg	0.97	0.34	1
Bromodichloromethane	ND		ug/kg	0.97	0.30	1
trans-1,3-Dichloropropene	ND		ug/kg	0.97	0.20	1
cis-1,3-Dichloropropene	ND		ug/kg	0.97	0.22	1
1,3-Dichloropropene, Total	ND		ug/kg	0.97	0.20	1
1,1-Dichloropropene	ND		ug/kg	4.8	0.32	1
Bromoform	ND		ug/kg	3.9	0.23	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.97	0.29	1
Benzene	ND		ug/kg	0.97	0.19	1
Toluene	ND		ug/kg	1.4	0.19	1
Ethylbenzene	0.39	J	ug/kg	0.97	0.16	1
Chloromethane	ND		ug/kg	4.8	0.42	1
Bromomethane	ND		ug/kg	1.9	0.33	1
Vinyl chloride	ND		ug/kg	1.9	0.30	1
Chloroethane	ND		ug/kg	1.9	0.31	1
1,1-Dichloroethene	ND		ug/kg	0.97	0.36	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.23	1

Project Name: 266-270 W. 96TH STREET

Lab Number: L1819490

Project Number: 170432001

Report Date: 06/04/18

## SAMPLE RESULTS

Lab ID: L1819490-01  
 Client ID: SB01\_0.5-1.5  
 Sample Location: 268 W. 96TH STREET

Date Collected: 05/25/18 11:00  
 Date Received: 05/25/18  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	0.97	0.29	1
1,2-Dichlorobenzene	ND		ug/kg	4.8	0.18	1
1,3-Dichlorobenzene	ND		ug/kg	4.8	0.21	1
1,4-Dichlorobenzene	ND		ug/kg	4.8	0.18	1
Methyl tert butyl ether	ND		ug/kg	1.9	0.15	1
p/m-Xylene	1.2	J	ug/kg	1.9	0.34	1
o-Xylene	ND		ug/kg	1.9	0.33	1
Xylenes, Total	1.2	J	ug/kg	1.9	0.33	1
cis-1,2-Dichloroethene	ND		ug/kg	0.97	0.33	1
1,2-Dichloroethene, Total	ND		ug/kg	0.97	0.23	1
Dibromomethane	ND		ug/kg	9.7	0.23	1
Styrene	ND		ug/kg	1.9	0.39	1
Dichlorodifluoromethane	ND		ug/kg	9.7	0.48	1
Acetone	13		ug/kg	9.7	2.2	1
Carbon disulfide	ND		ug/kg	9.7	1.1	1
2-Butanone	ND		ug/kg	9.7	0.67	1
Vinyl acetate	ND		ug/kg	9.7	0.15	1
4-Methyl-2-pentanone	ND		ug/kg	9.7	0.24	1
1,2,3-Trichloropropane	ND		ug/kg	9.7	0.17	1
2-Hexanone	ND		ug/kg	9.7	0.65	1
Bromochloromethane	ND		ug/kg	4.8	0.35	1
2,2-Dichloropropane	ND		ug/kg	4.8	0.44	1
1,2-Dibromoethane	ND		ug/kg	3.9	0.19	1
1,3-Dichloropropane	ND		ug/kg	4.8	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.97	0.31	1
Bromobenzene	ND		ug/kg	4.8	0.21	1
n-Butylbenzene	ND		ug/kg	0.97	0.22	1
sec-Butylbenzene	ND		ug/kg	0.97	0.21	1
tert-Butylbenzene	ND		ug/kg	4.8	0.24	1
o-Chlorotoluene	ND		ug/kg	4.8	0.21	1
p-Chlorotoluene	ND		ug/kg	4.8	0.18	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.8	0.38	1
Hexachlorobutadiene	ND		ug/kg	4.8	0.34	1
Isopropylbenzene	ND		ug/kg	0.97	0.19	1
p-Isopropyltoluene	ND		ug/kg	0.97	0.20	1
Naphthalene	ND		ug/kg	4.8	0.13	1
Acrylonitrile	ND		ug/kg	9.7	0.50	1

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L1819490  
**Report Date:** 06/04/18

**SAMPLE RESULTS**

**Lab ID:** L1819490-01  
**Client ID:** SB01\_0.5-1.5  
**Sample Location:** 268 W. 96TH STREET

**Date Collected:** 05/25/18 11:00  
**Date Received:** 05/25/18  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
n-Propylbenzene	ND		ug/kg	0.97	0.21	1
1,2,3-Trichlorobenzene	ND		ug/kg	4.8	0.24	1
1,2,4-Trichlorobenzene	ND		ug/kg	4.8	0.21	1
1,3,5-Trimethylbenzene	ND		ug/kg	4.8	0.16	1
1,2,4-Trimethylbenzene	ND		ug/kg	4.8	0.18	1
1,4-Dioxane	ND		ug/kg	39	14.	1
p-Diethylbenzene	ND		ug/kg	3.9	3.9	1
p-Ethyltoluene	ND		ug/kg	3.9	0.23	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	3.9	0.15	1
Ethyl ether	ND		ug/kg	4.8	0.25	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.8	0.38	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	82		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	95		70-130

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L1819490  
**Report Date:** 06/04/18

**SAMPLE RESULTS**

Lab ID: L1819490-02  
 Client ID: SB01\_6-7  
 Sample Location: 268 W. 96TH STREET

Date Collected: 05/25/18 11:05  
 Date Received: 05/25/18  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8260C  
 Analytical Date: 05/31/18 23:01  
 Analyst: MV  
 Percent Solids: 84%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by 8260/5035 - Westborough Lab</b>						
Methylene chloride	ND		ug/kg	31	5.1	1
1,1-Dichloroethane	ND		ug/kg	4.7	0.84	1
Chloroform	ND		ug/kg	4.7	1.2	1
Carbon tetrachloride	ND		ug/kg	3.1	1.1	1
1,2-Dichloropropane	ND		ug/kg	11	0.71	1
Dibromochloromethane	ND		ug/kg	3.1	0.55	1
1,1,2-Trichloroethane	ND		ug/kg	4.7	0.98	1
Tetrachloroethene	ND		ug/kg	3.1	0.94	1
Chlorobenzene	ND		ug/kg	3.1	1.1	1
Trichlorofluoromethane	ND		ug/kg	16	1.3	1
1,2-Dichloroethane	ND		ug/kg	3.1	0.77	1
1,1,1-Trichloroethane	ND		ug/kg	3.1	1.1	1
Bromodichloromethane	ND		ug/kg	3.1	0.96	1
trans-1,3-Dichloropropene	ND		ug/kg	3.1	0.65	1
cis-1,3-Dichloropropene	ND		ug/kg	3.1	0.72	1
1,3-Dichloropropene, Total	ND		ug/kg	3.1	0.65	1
1,1-Dichloropropene	ND		ug/kg	16	1.0	1
Bromoform	ND		ug/kg	12	0.74	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	3.1	0.93	1
Benzene	ND		ug/kg	3.1	0.60	1
Toluene	ND		ug/kg	4.7	0.61	1
Ethylbenzene	ND		ug/kg	3.1	0.53	1
Chloromethane	ND		ug/kg	16	1.4	1
Bromomethane	ND		ug/kg	6.2	1.0	1
Vinyl chloride	ND		ug/kg	6.2	0.98	1
Chloroethane	ND		ug/kg	6.2	0.98	1
1,1-Dichloroethene	ND		ug/kg	3.1	1.2	1
trans-1,2-Dichloroethene	ND		ug/kg	4.7	0.75	1

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L1819490  
**Report Date:** 06/04/18

**SAMPLE RESULTS**

**Lab ID:** L1819490-02  
**Client ID:** SB01\_6-7  
**Sample Location:** 268 W. 96TH STREET

**Date Collected:** 05/25/18 11:05  
**Date Received:** 05/25/18  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by 8260/5035 - Westborough Lab</b>						
Trichloroethene	ND		ug/kg	3.1	0.94	1
1,2-Dichlorobenzene	ND		ug/kg	16	0.57	1
1,3-Dichlorobenzene	ND		ug/kg	16	0.68	1
1,4-Dichlorobenzene	ND		ug/kg	16	0.57	1
Methyl tert butyl ether	ND		ug/kg	6.2	0.48	1
p/m-Xylene	ND		ug/kg	6.2	1.1	1
o-Xylene	ND		ug/kg	6.2	1.0	1
Xylenes, Total	ND		ug/kg	6.2	1.0	1
cis-1,2-Dichloroethene	ND		ug/kg	3.1	1.1	1
1,2-Dichloroethene, Total	ND		ug/kg	3.1	0.75	1
Dibromomethane	ND		ug/kg	31	0.74	1
Styrene	ND		ug/kg	6.2	1.2	1
Dichlorodifluoromethane	ND		ug/kg	31	1.6	1
Acetone	89		ug/kg	31	7.1	1
Carbon disulfide	ND		ug/kg	31	3.4	1
2-Butanone	12	J	ug/kg	31	2.2	1
Vinyl acetate	ND		ug/kg	31	0.48	1
4-Methyl-2-pentanone	ND		ug/kg	31	0.76	1
1,2,3-Trichloropropane	ND		ug/kg	31	0.55	1
2-Hexanone	ND		ug/kg	31	2.1	1
Bromochloromethane	ND		ug/kg	16	1.1	1
2,2-Dichloropropane	ND		ug/kg	16	1.4	1
1,2-Dibromoethane	ND		ug/kg	12	0.62	1
1,3-Dichloropropane	ND		ug/kg	16	0.57	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	3.1	0.99	1
Bromobenzene	ND		ug/kg	16	0.68	1
n-Butylbenzene	ND		ug/kg	3.1	0.71	1
sec-Butylbenzene	ND		ug/kg	3.1	0.68	1
tert-Butylbenzene	ND		ug/kg	16	0.77	1
o-Chlorotoluene	ND		ug/kg	16	0.69	1
p-Chlorotoluene	ND		ug/kg	16	0.57	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	16	1.2	1
Hexachlorobutadiene	ND		ug/kg	16	1.1	1
Isopropylbenzene	ND		ug/kg	3.1	0.60	1
p-Isopropyltoluene	ND		ug/kg	3.1	0.63	1
Naphthalene	1.4	J	ug/kg	16	0.43	1
Acrylonitrile	ND		ug/kg	31	1.6	1



**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L1819490  
**Report Date:** 06/04/18

**SAMPLE RESULTS**

**Lab ID:** L1819490-02  
**Client ID:** SB01\_6-7  
**Sample Location:** 268 W. 96TH STREET

**Date Collected:** 05/25/18 11:05  
**Date Received:** 05/25/18  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
n-Propylbenzene	ND		ug/kg	3.1	0.67	1
1,2,3-Trichlorobenzene	ND		ug/kg	16	0.78	1
1,2,4-Trichlorobenzene	ND		ug/kg	16	0.67	1
1,3,5-Trimethylbenzene	ND		ug/kg	16	0.50	1
1,2,4-Trimethylbenzene	ND		ug/kg	16	0.58	1
1,4-Dioxane	ND		ug/kg	120	45.	1
p-Diethylbenzene	ND		ug/kg	12	12.	1
p-Ethyltoluene	ND		ug/kg	12	0.73	1
1,2,4,5-Tetramethylbenzene	0.87	J	ug/kg	12	0.49	1
Ethyl ether	ND		ug/kg	16	0.81	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	16	1.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	82		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	95		70-130

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L1819490  
**Report Date:** 06/04/18

**SAMPLE RESULTS**

Lab ID: L1819490-03  
 Client ID: SB02\_0.5-1.5  
 Sample Location: 268 W. 96TH STREET

Date Collected: 05/25/18 12:50  
 Date Received: 05/25/18  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8260C  
 Analytical Date: 05/31/18 23:28  
 Analyst: MV  
 Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by 8260/5035 - Westborough Lab</b>						
Methylene chloride	ND		ug/kg	11	1.9	1
1,1-Dichloroethane	ND		ug/kg	1.7	0.31	1
Chloroform	ND		ug/kg	1.7	0.42	1
Carbon tetrachloride	ND		ug/kg	1.1	0.39	1
1,2-Dichloropropane	ND		ug/kg	4.0	0.26	1
Dibromochloromethane	ND		ug/kg	1.1	0.20	1
1,1,2-Trichloroethane	ND		ug/kg	1.7	0.36	1
Tetrachloroethene	ND		ug/kg	1.1	0.34	1
Chlorobenzene	ND		ug/kg	1.1	0.39	1
Trichlorofluoromethane	ND		ug/kg	5.7	0.47	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.28	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	0.40	1
Bromodichloromethane	ND		ug/kg	1.1	0.35	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.24	1
cis-1,3-Dichloropropene	ND		ug/kg	1.1	0.26	1
1,3-Dichloropropene, Total	ND		ug/kg	1.1	0.24	1
1,1-Dichloropropene	ND		ug/kg	5.7	0.37	1
Bromoform	ND		ug/kg	4.5	0.27	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.1	0.34	1
Benzene	ND		ug/kg	1.1	0.22	1
Toluene	ND		ug/kg	1.7	0.22	1
Ethylbenzene	ND		ug/kg	1.1	0.19	1
Chloromethane	ND		ug/kg	5.7	0.49	1
Bromomethane	ND		ug/kg	2.3	0.38	1
Vinyl chloride	ND		ug/kg	2.3	0.36	1
Chloroethane	ND		ug/kg	2.3	0.36	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.42	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.27	1

Project Name: 266-270 W. 96TH STREET

Lab Number: L1819490

Project Number: 170432001

Report Date: 06/04/18

## SAMPLE RESULTS

Lab ID: L1819490-03  
 Client ID: SB02\_0.5-1.5  
 Sample Location: 268 W. 96TH STREET

Date Collected: 05/25/18 12:50  
 Date Received: 05/25/18  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	1.1	0.34	1
1,2-Dichlorobenzene	ND		ug/kg	5.7	0.21	1
1,3-Dichlorobenzene	ND		ug/kg	5.7	0.25	1
1,4-Dichlorobenzene	ND		ug/kg	5.7	0.21	1
Methyl tert butyl ether	ND		ug/kg	2.3	0.17	1
p/m-Xylene	0.54	J	ug/kg	2.3	0.40	1
o-Xylene	ND		ug/kg	2.3	0.38	1
Xylenes, Total	0.54	J	ug/kg	2.3	0.38	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.39	1
1,2-Dichloroethene, Total	ND		ug/kg	1.1	0.27	1
Dibromomethane	ND		ug/kg	11	0.27	1
Styrene	ND		ug/kg	2.3	0.46	1
Dichlorodifluoromethane	ND		ug/kg	11	0.57	1
Acetone	4.5	J	ug/kg	11	2.6	1
Carbon disulfide	ND		ug/kg	11	1.2	1
2-Butanone	ND		ug/kg	11	0.78	1
Vinyl acetate	ND		ug/kg	11	0.17	1
4-Methyl-2-pentanone	ND		ug/kg	11	0.28	1
1,2,3-Trichloropropane	ND		ug/kg	11	0.20	1
2-Hexanone	ND		ug/kg	11	0.76	1
Bromochloromethane	ND		ug/kg	5.7	0.40	1
2,2-Dichloropropane	ND		ug/kg	5.7	0.51	1
1,2-Dibromoethane	ND		ug/kg	4.5	0.22	1
1,3-Dichloropropane	ND		ug/kg	5.7	0.21	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.1	0.36	1
Bromobenzene	ND		ug/kg	5.7	0.25	1
n-Butylbenzene	ND		ug/kg	1.1	0.26	1
sec-Butylbenzene	ND		ug/kg	1.1	0.25	1
tert-Butylbenzene	ND		ug/kg	5.7	0.28	1
o-Chlorotoluene	ND		ug/kg	5.7	0.25	1
p-Chlorotoluene	ND		ug/kg	5.7	0.21	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.7	0.45	1
Hexachlorobutadiene	ND		ug/kg	5.7	0.39	1
Isopropylbenzene	ND		ug/kg	1.1	0.22	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.23	1
Naphthalene	1.6	J	ug/kg	5.7	0.16	1
Acrylonitrile	ND		ug/kg	11	0.58	1

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L1819490  
**Report Date:** 06/04/18

**SAMPLE RESULTS**

**Lab ID:** L1819490-03  
**Client ID:** SB02\_0.5-1.5  
**Sample Location:** 268 W. 96TH STREET

**Date Collected:** 05/25/18 12:50  
**Date Received:** 05/25/18  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.1	0.24	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.7	0.28	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.7	0.24	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.7	0.18	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.7	0.21	1
1,4-Dioxane	ND		ug/kg	45	16.	1
p-Diethylbenzene	ND		ug/kg	4.5	4.5	1
p-Ethyltoluene	ND		ug/kg	4.5	0.26	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.5	0.18	1
Ethyl ether	ND		ug/kg	5.7	0.30	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.7	0.44	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	81		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	95		70-130

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L1819490  
**Report Date:** 06/04/18

**SAMPLE RESULTS**

Lab ID: L1819490-04  
 Client ID: SB02\_4.5-5.5  
 Sample Location: 268 W. 96TH STREET

Date Collected: 05/25/18 12:55  
 Date Received: 05/25/18  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8260C  
 Analytical Date: 06/01/18 05:21  
 Analyst: MV  
 Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by 8260/5035 - Westborough Lab</b>						
Methylene chloride	ND		ug/kg	1000	170	1
1,1-Dichloroethane	ND		ug/kg	150	28.	1
Chloroform	ND		ug/kg	150	38.	1
Carbon tetrachloride	ND		ug/kg	100	35.	1
1,2-Dichloropropane	ND		ug/kg	360	23.	1
Dibromochloromethane	ND		ug/kg	100	18.	1
1,1,2-Trichloroethane	ND		ug/kg	150	32.	1
Tetrachloroethene	180		ug/kg	100	31.	1
Chlorobenzene	ND		ug/kg	100	36.	1
Trichlorofluoromethane	ND		ug/kg	510	43.	1
1,2-Dichloroethane	ND		ug/kg	100	25.	1
1,1,1-Trichloroethane	ND		ug/kg	100	36.	1
Bromodichloromethane	ND		ug/kg	100	32.	1
trans-1,3-Dichloropropene	ND		ug/kg	100	21.	1
cis-1,3-Dichloropropene	ND		ug/kg	100	24.	1
1,3-Dichloropropene, Total	ND		ug/kg	100	21.	1
1,1-Dichloropropene	ND		ug/kg	510	34.	1
Bromoform	ND		ug/kg	410	24.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	100	30.	1
Benzene	22	J	ug/kg	100	20.	1
Toluene	30	J	ug/kg	150	20.	1
Ethylbenzene	ND		ug/kg	100	17.	1
Chloromethane	ND		ug/kg	510	45.	1
Bromomethane	ND		ug/kg	200	35.	1
Vinyl chloride	ND		ug/kg	200	32.	1
Chloroethane	ND		ug/kg	200	32.	1
1,1-Dichloroethene	ND		ug/kg	100	38.	1
trans-1,2-Dichloroethene	ND		ug/kg	150	25.	1

**Project Name:** 266-270 W. 96TH STREET**Lab Number:** L1819490**Project Number:** 170432001**Report Date:** 06/04/18**SAMPLE RESULTS**

Lab ID: L1819490-04  
 Client ID: SB02\_4.5-5.5  
 Sample Location: 268 W. 96TH STREET

Date Collected: 05/25/18 12:55  
 Date Received: 05/25/18  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by 8260/5035 - Westborough Lab</b>						
Trichloroethene	ND		ug/kg	100	31.	1
1,2-Dichlorobenzene	ND		ug/kg	510	19.	1
1,3-Dichlorobenzene	ND		ug/kg	510	22.	1
1,4-Dichlorobenzene	ND		ug/kg	510	19.	1
Methyl tert butyl ether	ND		ug/kg	200	16.	1
p/m-Xylene	ND		ug/kg	200	36.	1
o-Xylene	ND		ug/kg	200	35.	1
Xylenes, Total	ND		ug/kg	200	35.	1
cis-1,2-Dichloroethene	ND		ug/kg	100	35.	1
1,2-Dichloroethene, Total	ND		ug/kg	100	25.	1
Dibromomethane	ND		ug/kg	1000	24.	1
Styrene	ND		ug/kg	200	41.	1
Dichlorodifluoromethane	ND		ug/kg	1000	51.	1
Acetone	310	J	ug/kg	1000	240	1
Carbon disulfide	ND		ug/kg	1000	110	1
2-Butanone	ND		ug/kg	1000	71.	1
Vinyl acetate	ND		ug/kg	1000	16.	1
4-Methyl-2-pentanone	ND		ug/kg	1000	25.	1
1,2,3-Trichloropropane	ND		ug/kg	1000	18.	1
2-Hexanone	ND		ug/kg	1000	68.	1
Bromochloromethane	ND		ug/kg	510	37.	1
2,2-Dichloropropane	ND		ug/kg	510	46.	1
1,2-Dibromoethane	ND		ug/kg	410	20.	1
1,3-Dichloropropane	ND		ug/kg	510	19.	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	100	33.	1
Bromobenzene	ND		ug/kg	510	22.	1
n-Butylbenzene	ND		ug/kg	100	23.	1
sec-Butylbenzene	ND		ug/kg	100	22.	1
tert-Butylbenzene	ND		ug/kg	510	25.	1
o-Chlorotoluene	ND		ug/kg	510	23.	1
p-Chlorotoluene	ND		ug/kg	510	19.	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	510	41.	1
Hexachlorobutadiene	ND		ug/kg	510	36.	1
Isopropylbenzene	ND		ug/kg	100	20.	1
p-Isopropyltoluene	ND		ug/kg	100	21.	1
Naphthalene	4000		ug/kg	510	14.	1
Acrylonitrile	ND		ug/kg	1000	53.	1

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L1819490  
**Report Date:** 06/04/18

**SAMPLE RESULTS**

**Lab ID:** L1819490-04  
**Client ID:** SB02\_4.5-5.5  
**Sample Location:** 268 W. 96TH STREET

**Date Collected:** 05/25/18 12:55  
**Date Received:** 05/25/18  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
n-Propylbenzene	ND		ug/kg	100	22.	1
1,2,3-Trichlorobenzene	ND		ug/kg	510	26.	1
1,2,4-Trichlorobenzene	ND		ug/kg	510	22.	1
1,3,5-Trimethylbenzene	ND		ug/kg	510	16.	1
1,2,4-Trimethylbenzene	23	J	ug/kg	510	19.	1
1,4-Dioxane	ND		ug/kg	4100	1500	1
p-Diethylbenzene	ND		ug/kg	410	410	1
p-Ethyltoluene	ND		ug/kg	410	24.	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	410	16.	1
Ethyl ether	ND		ug/kg	510	27.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	510	40.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	81		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	93		70-130

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L1819490  
**Report Date:** 06/04/18

**SAMPLE RESULTS**

Lab ID: L1819490-05  
 Client ID: SB02\_11-12  
 Sample Location: 268 W. 96TH STREET

Date Collected: 05/25/18 13:10  
 Date Received: 05/25/18  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8260C  
 Analytical Date: 05/31/18 23:55  
 Analyst: MV  
 Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by 8260/5035 - Westborough Lab</b>						
Methylene chloride	ND		ug/kg	9.4	1.5	1
1,1-Dichloroethane	ND		ug/kg	1.4	0.25	1
Chloroform	ND		ug/kg	1.4	0.35	1
Carbon tetrachloride	ND		ug/kg	0.94	0.32	1
1,2-Dichloropropane	ND		ug/kg	3.3	0.21	1
Dibromochloromethane	ND		ug/kg	0.94	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.4	0.29	1
Tetrachloroethene	ND		ug/kg	0.94	0.28	1
Chlorobenzene	ND		ug/kg	0.94	0.33	1
Trichlorofluoromethane	ND		ug/kg	4.7	0.39	1
1,2-Dichloroethane	ND		ug/kg	0.94	0.23	1
1,1,1-Trichloroethane	ND		ug/kg	0.94	0.33	1
Bromodichloromethane	ND		ug/kg	0.94	0.29	1
trans-1,3-Dichloropropene	ND		ug/kg	0.94	0.20	1
cis-1,3-Dichloropropene	ND		ug/kg	0.94	0.22	1
1,3-Dichloropropene, Total	ND		ug/kg	0.94	0.20	1
1,1-Dichloropropene	ND		ug/kg	4.7	0.31	1
Bromoform	ND		ug/kg	3.8	0.22	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.94	0.28	1
Benzene	ND		ug/kg	0.94	0.18	1
Toluene	ND		ug/kg	1.4	0.18	1
Ethylbenzene	ND		ug/kg	0.94	0.16	1
Chloromethane	ND		ug/kg	4.7	0.41	1
Bromomethane	ND		ug/kg	1.9	0.32	1
Vinyl chloride	ND		ug/kg	1.9	0.30	1
Chloroethane	ND		ug/kg	1.9	0.30	1
1,1-Dichloroethene	ND		ug/kg	0.94	0.35	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.23	1



**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L1819490  
**Report Date:** 06/04/18

**SAMPLE RESULTS**

**Lab ID:** L1819490-05  
**Client ID:** SB02\_11-12  
**Sample Location:** 268 W. 96TH STREET

**Date Collected:** 05/25/18 13:10  
**Date Received:** 05/25/18  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by 8260/5035 - Westborough Lab</b>						
Trichloroethene	ND		ug/kg	0.94	0.28	1
1,2-Dichlorobenzene	ND		ug/kg	4.7	0.17	1
1,3-Dichlorobenzene	ND		ug/kg	4.7	0.20	1
1,4-Dichlorobenzene	ND		ug/kg	4.7	0.17	1
Methyl tert butyl ether	ND		ug/kg	1.9	0.14	1
p/m-Xylene	ND		ug/kg	1.9	0.33	1
o-Xylene	ND		ug/kg	1.9	0.32	1
Xylenes, Total	ND		ug/kg	1.9	0.32	1
cis-1,2-Dichloroethene	ND		ug/kg	0.94	0.32	1
1,2-Dichloroethene, Total	ND		ug/kg	0.94	0.23	1
Dibromomethane	ND		ug/kg	9.4	0.22	1
Styrene	ND		ug/kg	1.9	0.38	1
Dichlorodifluoromethane	ND		ug/kg	9.4	0.47	1
Acetone	6.6	J	ug/kg	9.4	2.1	1
Carbon disulfide	ND		ug/kg	9.4	1.0	1
2-Butanone	ND		ug/kg	9.4	0.65	1
Vinyl acetate	ND		ug/kg	9.4	0.14	1
4-Methyl-2-pentanone	ND		ug/kg	9.4	0.23	1
1,2,3-Trichloropropane	ND		ug/kg	9.4	0.17	1
2-Hexanone	ND		ug/kg	9.4	0.62	1
Bromochloromethane	ND		ug/kg	4.7	0.34	1
2,2-Dichloropropane	ND		ug/kg	4.7	0.42	1
1,2-Dibromoethane	ND		ug/kg	3.8	0.19	1
1,3-Dichloropropane	ND		ug/kg	4.7	0.17	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.94	0.30	1
Bromobenzene	ND		ug/kg	4.7	0.20	1
n-Butylbenzene	ND		ug/kg	0.94	0.21	1
sec-Butylbenzene	ND		ug/kg	0.94	0.20	1
tert-Butylbenzene	ND		ug/kg	4.7	0.23	1
o-Chlorotoluene	ND		ug/kg	4.7	0.21	1
p-Chlorotoluene	ND		ug/kg	4.7	0.17	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.7	0.37	1
Hexachlorobutadiene	ND		ug/kg	4.7	0.33	1
Isopropylbenzene	ND		ug/kg	0.94	0.18	1
p-Isopropyltoluene	ND		ug/kg	0.94	0.19	1
Naphthalene	ND		ug/kg	4.7	0.13	1
Acrylonitrile	ND		ug/kg	9.4	0.48	1

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L1819490  
**Report Date:** 06/04/18

**SAMPLE RESULTS**

**Lab ID:** L1819490-05  
**Client ID:** SB02\_11-12  
**Sample Location:** 268 W. 96TH STREET

**Date Collected:** 05/25/18 13:10  
**Date Received:** 05/25/18  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
n-Propylbenzene	ND		ug/kg	0.94	0.20	1
1,2,3-Trichlorobenzene	ND		ug/kg	4.7	0.24	1
1,2,4-Trichlorobenzene	ND		ug/kg	4.7	0.20	1
1,3,5-Trimethylbenzene	ND		ug/kg	4.7	0.15	1
1,2,4-Trimethylbenzene	ND		ug/kg	4.7	0.17	1
1,4-Dioxane	ND		ug/kg	38	14.	1
p-Diethylbenzene	ND		ug/kg	3.8	3.8	1
p-Ethyltoluene	ND		ug/kg	3.8	0.22	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	3.8	0.15	1
Ethyl ether	ND		ug/kg	4.7	0.24	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.7	0.37	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	82		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	95		70-130

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L1819490  
**Report Date:** 06/04/18

**SAMPLE RESULTS**

Lab ID: L1819490-06  
 Client ID: SB05\_0.5-1.5  
 Sample Location: 268 W. 96TH STREET

Date Collected: 05/25/18 11:35  
 Date Received: 05/25/18  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8260C  
 Analytical Date: 06/01/18 00:22  
 Analyst: MV  
 Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by 8260/5035 - Westborough Lab</b>						
Methylene chloride	ND		ug/kg	9.2	1.5	1
1,1-Dichloroethane	ND		ug/kg	1.4	0.25	1
Chloroform	ND		ug/kg	1.4	0.34	1
Carbon tetrachloride	ND		ug/kg	0.92	0.32	1
1,2-Dichloropropane	ND		ug/kg	3.2	0.21	1
Dibromochloromethane	ND		ug/kg	0.92	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.4	0.29	1
Tetrachloroethene	ND		ug/kg	0.92	0.28	1
Chlorobenzene	ND		ug/kg	0.92	0.32	1
Trichlorofluoromethane	ND		ug/kg	4.6	0.38	1
1,2-Dichloroethane	ND		ug/kg	0.92	0.23	1
1,1,1-Trichloroethane	ND		ug/kg	0.92	0.32	1
Bromodichloromethane	ND		ug/kg	0.92	0.28	1
trans-1,3-Dichloropropene	ND		ug/kg	0.92	0.19	1
cis-1,3-Dichloropropene	ND		ug/kg	0.92	0.21	1
1,3-Dichloropropene, Total	ND		ug/kg	0.92	0.19	1
1,1-Dichloropropene	ND		ug/kg	4.6	0.30	1
Bromoform	ND		ug/kg	3.7	0.22	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.92	0.27	1
Benzene	0.30	J	ug/kg	0.92	0.18	1
Toluene	0.22	J	ug/kg	1.4	0.18	1
Ethylbenzene	ND		ug/kg	0.92	0.16	1
Chloromethane	ND		ug/kg	4.6	0.40	1
Bromomethane	ND		ug/kg	1.8	0.31	1
Vinyl chloride	ND		ug/kg	1.8	0.29	1
Chloroethane	ND		ug/kg	1.8	0.29	1
1,1-Dichloroethene	ND		ug/kg	0.92	0.34	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.22	1

Project Name: 266-270 W. 96TH STREET

Lab Number: L1819490

Project Number: 170432001

Report Date: 06/04/18

## SAMPLE RESULTS

Lab ID: L1819490-06  
 Client ID: SB05\_0.5-1.5  
 Sample Location: 268 W. 96TH STREET

Date Collected: 05/25/18 11:35  
 Date Received: 05/25/18  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	0.92	0.28	1
1,2-Dichlorobenzene	ND		ug/kg	4.6	0.17	1
1,3-Dichlorobenzene	ND		ug/kg	4.6	0.20	1
1,4-Dichlorobenzene	ND		ug/kg	4.6	0.17	1
Methyl tert butyl ether	ND		ug/kg	1.8	0.14	1
p/m-Xylene	ND		ug/kg	1.8	0.32	1
o-Xylene	ND		ug/kg	1.8	0.31	1
Xylenes, Total	ND		ug/kg	1.8	0.31	1
cis-1,2-Dichloroethene	ND		ug/kg	0.92	0.32	1
1,2-Dichloroethene, Total	ND		ug/kg	0.92	0.22	1
Dibromomethane	ND		ug/kg	9.2	0.22	1
Styrene	ND		ug/kg	1.8	0.37	1
Dichlorodifluoromethane	ND		ug/kg	9.2	0.46	1
Acetone	3.5	J	ug/kg	9.2	2.1	1
Carbon disulfide	ND		ug/kg	9.2	1.0	1
2-Butanone	ND		ug/kg	9.2	0.64	1
Vinyl acetate	ND		ug/kg	9.2	0.14	1
4-Methyl-2-pentanone	ND		ug/kg	9.2	0.22	1
1,2,3-Trichloropropane	ND		ug/kg	9.2	0.16	1
2-Hexanone	ND		ug/kg	9.2	0.61	1
Bromochloromethane	ND		ug/kg	4.6	0.33	1
2,2-Dichloropropane	ND		ug/kg	4.6	0.41	1
1,2-Dibromoethane	ND		ug/kg	3.7	0.18	1
1,3-Dichloropropane	ND		ug/kg	4.6	0.17	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.92	0.29	1
Bromobenzene	ND		ug/kg	4.6	0.20	1
n-Butylbenzene	ND		ug/kg	0.92	0.21	1
sec-Butylbenzene	ND		ug/kg	0.92	0.20	1
tert-Butylbenzene	ND		ug/kg	4.6	0.23	1
o-Chlorotoluene	ND		ug/kg	4.6	0.20	1
p-Chlorotoluene	ND		ug/kg	4.6	0.17	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.6	0.36	1
Hexachlorobutadiene	ND		ug/kg	4.6	0.32	1
Isopropylbenzene	ND		ug/kg	0.92	0.18	1
p-Isopropyltoluene	ND		ug/kg	0.92	0.19	1
Naphthalene	ND		ug/kg	4.6	0.13	1
Acrylonitrile	ND		ug/kg	9.2	0.47	1

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L1819490  
**Report Date:** 06/04/18

**SAMPLE RESULTS**

**Lab ID:** L1819490-06  
**Client ID:** SB05\_0.5-1.5  
**Sample Location:** 268 W. 96TH STREET

**Date Collected:** 05/25/18 11:35  
**Date Received:** 05/25/18  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
n-Propylbenzene	ND		ug/kg	0.92	0.20	1
1,2,3-Trichlorobenzene	ND		ug/kg	4.6	0.23	1
1,2,4-Trichlorobenzene	ND		ug/kg	4.6	0.20	1
1,3,5-Trimethylbenzene	ND		ug/kg	4.6	0.15	1
1,2,4-Trimethylbenzene	ND		ug/kg	4.6	0.17	1
1,4-Dioxane	ND		ug/kg	37	13.	1
p-Diethylbenzene	ND		ug/kg	3.7	3.7	1
p-Ethyltoluene	ND		ug/kg	3.7	0.22	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	3.7	0.14	1
Ethyl ether	ND		ug/kg	4.6	0.24	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.6	0.36	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	82		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	95		70-130

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L1819490  
**Report Date:** 06/04/18

**SAMPLE RESULTS**

Lab ID: L1819490-07  
 Client ID: SB05\_5-6  
 Sample Location: 268 W. 96TH STREET

Date Collected: 05/25/18 11:30  
 Date Received: 05/25/18  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8260C  
 Analytical Date: 06/01/18 00:49  
 Analyst: MV  
 Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by 8260/5035 - Westborough Lab</b>						
Methylene chloride	ND		ug/kg	10	1.7	1
1,1-Dichloroethane	ND		ug/kg	1.6	0.28	1
Chloroform	ND		ug/kg	1.6	0.38	1
Carbon tetrachloride	ND		ug/kg	1.0	0.36	1
1,2-Dichloropropane	ND		ug/kg	3.6	0.24	1
Dibromochloromethane	ND		ug/kg	1.0	0.18	1
1,1,2-Trichloroethane	ND		ug/kg	1.6	0.32	1
Tetrachloroethene	ND		ug/kg	1.0	0.31	1
Chlorobenzene	ND		ug/kg	1.0	0.36	1
Trichlorofluoromethane	ND		ug/kg	5.2	0.43	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.26	1
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.36	1
Bromodichloromethane	ND		ug/kg	1.0	0.32	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.22	1
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.24	1
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.22	1
1,1-Dichloropropene	ND		ug/kg	5.2	0.34	1
Bromoform	ND		ug/kg	4.1	0.24	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.31	1
Benzene	0.20	J	ug/kg	1.0	0.20	1
Toluene	0.24	J	ug/kg	1.6	0.20	1
Ethylbenzene	ND		ug/kg	1.0	0.18	1
Chloromethane	ND		ug/kg	5.2	0.45	1
Bromomethane	ND		ug/kg	2.1	0.35	1
Vinyl chloride	ND		ug/kg	2.1	0.33	1
Chloroethane	ND		ug/kg	2.1	0.33	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.38	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.25	1

Project Name: 266-270 W. 96TH STREET

Lab Number: L1819490

Project Number: 170432001

Report Date: 06/04/18

## SAMPLE RESULTS

Lab ID: L1819490-07  
 Client ID: SB05\_5-6  
 Sample Location: 268 W. 96TH STREET

Date Collected: 05/25/18 11:30  
 Date Received: 05/25/18  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	1.0	0.31	1
1,2-Dichlorobenzene	ND		ug/kg	5.2	0.19	1
1,3-Dichlorobenzene	ND		ug/kg	5.2	0.23	1
1,4-Dichlorobenzene	ND		ug/kg	5.2	0.19	1
Methyl tert butyl ether	ND		ug/kg	2.1	0.16	1
p/m-Xylene	ND		ug/kg	2.1	0.36	1
o-Xylene	ND		ug/kg	2.1	0.35	1
Xylenes, Total	ND		ug/kg	2.1	0.35	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.35	1
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.25	1
Dibromomethane	ND		ug/kg	10	0.25	1
Styrene	ND		ug/kg	2.1	0.42	1
Dichlorodifluoromethane	ND		ug/kg	10	0.52	1
Acetone	18		ug/kg	10	2.4	1
Carbon disulfide	ND		ug/kg	10	1.1	1
2-Butanone	ND		ug/kg	10	0.72	1
Vinyl acetate	ND		ug/kg	10	0.16	1
4-Methyl-2-pentanone	ND		ug/kg	10	0.25	1
1,2,3-Trichloropropane	ND		ug/kg	10	0.18	1
2-Hexanone	ND		ug/kg	10	0.69	1
Bromochloromethane	ND		ug/kg	5.2	0.37	1
2,2-Dichloropropane	ND		ug/kg	5.2	0.47	1
1,2-Dibromoethane	ND		ug/kg	4.1	0.21	1
1,3-Dichloropropane	ND		ug/kg	5.2	0.19	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.33	1
Bromobenzene	ND		ug/kg	5.2	0.23	1
n-Butylbenzene	ND		ug/kg	1.0	0.24	1
sec-Butylbenzene	ND		ug/kg	1.0	0.22	1
tert-Butylbenzene	ND		ug/kg	5.2	0.26	1
o-Chlorotoluene	ND		ug/kg	5.2	0.23	1
p-Chlorotoluene	ND		ug/kg	5.2	0.19	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.2	0.41	1
Hexachlorobutadiene	ND		ug/kg	5.2	0.36	1
Isopropylbenzene	ND		ug/kg	1.0	0.20	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.21	1
Naphthalene	2.2	J	ug/kg	5.2	0.14	1
Acrylonitrile	ND		ug/kg	10	0.53	1

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L1819490  
**Report Date:** 06/04/18

**SAMPLE RESULTS**

**Lab ID:** L1819490-07  
**Client ID:** SB05\_5-6  
**Sample Location:** 268 W. 96TH STREET

**Date Collected:** 05/25/18 11:30  
**Date Received:** 05/25/18  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.0	0.22	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.2	0.26	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.2	0.22	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.2	0.17	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.2	0.19	1
1,4-Dioxane	ND		ug/kg	41	15.	1
p-Diethylbenzene	ND		ug/kg	4.1	4.1	1
p-Ethyltoluene	ND		ug/kg	4.1	0.24	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.1	0.16	1
Ethyl ether	ND		ug/kg	5.2	0.27	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.2	0.41	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	81		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	95		70-130



**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L1819490  
**Report Date:** 06/04/18

**SAMPLE RESULTS**

Lab ID: L1819490-08  
 Client ID: TRIP BLANK\_052518  
 Sample Location: 268 W. 96TH STREET

Date Collected: 05/25/18 00:00  
 Date Received: 05/25/18  
 Field Prep: Not Specified

Sample Depth:

Matrix: Water  
 Analytical Method: 1,8260C  
 Analytical Date: 05/31/18 11:26  
 Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: 266-270 W. 96TH STREET

Lab Number: L1819490

Project Number: 170432001

Report Date: 06/04/18

## SAMPLE RESULTS

Lab ID: L1819490-08  
 Client ID: TRIP BLANK\_052518  
 Sample Location: 268 W. 96TH STREET

Date Collected: 05/25/18 00:00  
 Date Received: 05/25/18  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L1819490  
**Report Date:** 06/04/18

**SAMPLE RESULTS**

Lab ID: L1819490-08  
 Client ID: TRIP BLANK\_052518  
 Sample Location: 268 W. 96TH STREET

Date Collected: 05/25/18 00:00  
 Date Received: 05/25/18  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	94		70-130

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L1819490  
**Report Date:** 06/04/18

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260C  
Analytical Date: 05/31/18 09:00  
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 08 Batch: WG1121178-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L1819490  
**Report Date:** 06/04/18

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260C  
Analytical Date: 05/31/18 09:00  
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 08 Batch: WG1121178-5					
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L1819490  
**Report Date:** 06/04/18

**Method Blank Analysis  
Batch Quality Control**

**Analytical Method:** 1,8260C  
**Analytical Date:** 05/31/18 09:00  
**Analyst:** PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 08 Batch: WG1121178-5					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	61.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	92		70-130

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L1819490  
**Report Date:** 06/04/18

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 1,8260C  
Analytical Date: 05/31/18 20:18  
Analyst: KD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-03,05-07 Batch: WG1121449-5					
Methylene chloride	ND		ug/kg	10	1.6
1,1-Dichloroethane	ND		ug/kg	1.5	0.27
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.34
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.18
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.31
Tetrachloroethene	ND		ug/kg	1.0	0.30
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.42
1,2-Dichloroethane	ND		ug/kg	1.0	0.25
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.35
Bromodichloromethane	ND		ug/kg	1.0	0.31
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.21
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.23
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.21
1,1-Dichloropropene	ND		ug/kg	5.0	0.33
Bromoform	ND		ug/kg	4.0	0.24
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.30
Benzene	ND		ug/kg	1.0	0.19
Toluene	ND		ug/kg	1.5	0.20
Ethylbenzene	ND		ug/kg	1.0	0.17
Chloromethane	ND		ug/kg	5.0	0.44
Bromomethane	0.52	J	ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.32
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.37
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.24
Trichloroethene	ND		ug/kg	1.0	0.30

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L1819490  
**Report Date:** 06/04/18

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260C  
Analytical Date: 05/31/18 20:18  
Analyst: KD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-03,05-07 Batch: WG1121449-5					
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.22
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.18
Methyl tert butyl ether	ND		ug/kg	2.0	0.15
p/m-Xylene	ND		ug/kg	2.0	0.35
o-Xylene	ND		ug/kg	2.0	0.34
Xylenes, Total	ND		ug/kg	2.0	0.34
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.34
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.24
Dibromomethane	ND		ug/kg	10	0.24
Styrene	ND		ug/kg	2.0	0.40
Dichlorodifluoromethane	ND		ug/kg	10	0.50
Acetone	ND		ug/kg	10	2.3
Carbon disulfide	ND		ug/kg	10	1.1
2-Butanone	ND		ug/kg	10	0.69
Vinyl acetate	ND		ug/kg	10	0.15
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.18
2-Hexanone	ND		ug/kg	10	0.67
Bromochloromethane	ND		ug/kg	5.0	0.36
2,2-Dichloropropane	ND		ug/kg	5.0	0.45
1,2-Dibromoethane	ND		ug/kg	4.0	0.20
1,3-Dichloropropane	ND		ug/kg	5.0	0.18
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.22
n-Butylbenzene	ND		ug/kg	1.0	0.23
sec-Butylbenzene	ND		ug/kg	1.0	0.22
tert-Butylbenzene	ND		ug/kg	5.0	0.25
o-Chlorotoluene	ND		ug/kg	5.0	0.22



**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L1819490  
**Report Date:** 06/04/18

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 1,8260C  
Analytical Date: 05/31/18 20:18  
Analyst: KD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-03,05-07 Batch: WG1121449-5					
p-Chlorotoluene	ND		ug/kg	5.0	0.18
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.40
Hexachlorobutadiene	ND		ug/kg	5.0	0.35
Isopropylbenzene	ND		ug/kg	1.0	0.19
p-Isopropyltoluene	ND		ug/kg	1.0	0.20
Naphthalene	ND		ug/kg	5.0	0.14
Acrylonitrile	ND		ug/kg	10	0.51
n-Propylbenzene	ND		ug/kg	1.0	0.22
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.25
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.22
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.16
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.19
1,4-Dioxane	ND		ug/kg	40	14.
p-Diethylbenzene	ND		ug/kg	4.0	4.0
p-Ethyltoluene	ND		ug/kg	4.0	0.23
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.16
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.39

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	81		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	93		70-130

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L1819490  
**Report Date:** 06/04/18

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 1,8260C  
Analytical Date: 05/31/18 20:18  
Analyst: KD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 04 Batch: WG1121451-5					
Methylene chloride	ND		ug/kg	500	82.
1,1-Dichloroethane	ND		ug/kg	75	14.
Chloroform	ND		ug/kg	75	18.
Carbon tetrachloride	ND		ug/kg	50	17.
1,2-Dichloropropane	ND		ug/kg	180	11.
Dibromochloromethane	ND		ug/kg	50	8.8
1,1,2-Trichloroethane	ND		ug/kg	75	16.
Tetrachloroethene	ND		ug/kg	50	15.
Chlorobenzene	ND		ug/kg	50	17.
Trichlorofluoromethane	ND		ug/kg	250	21.
1,2-Dichloroethane	ND		ug/kg	50	12.
1,1,1-Trichloroethane	ND		ug/kg	50	18.
Bromodichloromethane	ND		ug/kg	50	15.
trans-1,3-Dichloropropene	ND		ug/kg	50	10.
cis-1,3-Dichloropropene	ND		ug/kg	50	12.
1,3-Dichloropropene, Total	ND		ug/kg	50	10.
1,1-Dichloropropene	ND		ug/kg	250	16.
Bromoform	ND		ug/kg	200	12.
1,1,2,2-Tetrachloroethane	ND		ug/kg	50	15.
Benzene	ND		ug/kg	50	9.6
Toluene	ND		ug/kg	75	9.8
Ethylbenzene	ND		ug/kg	50	8.5
Chloromethane	ND		ug/kg	250	22.
Bromomethane	26	J	ug/kg	100	17.
Vinyl chloride	ND		ug/kg	100	16.
Chloroethane	ND		ug/kg	100	16.
1,1-Dichloroethene	ND		ug/kg	50	19.
trans-1,2-Dichloroethene	ND		ug/kg	75	12.
Trichloroethene	ND		ug/kg	50	15.

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L1819490  
**Report Date:** 06/04/18

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260C  
Analytical Date: 05/31/18 20:18  
Analyst: KD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 04 Batch: WG1121451-5					
1,2-Dichlorobenzene	ND		ug/kg	250	9.1
1,3-Dichlorobenzene	ND		ug/kg	250	11.
1,4-Dichlorobenzene	ND		ug/kg	250	9.1
Methyl tert butyl ether	ND		ug/kg	100	7.6
p/m-Xylene	ND		ug/kg	100	18.
o-Xylene	ND		ug/kg	100	17.
Xylenes, Total	ND		ug/kg	100	17.
cis-1,2-Dichloroethene	ND		ug/kg	50	17.
1,2-Dichloroethene, Total	ND		ug/kg	50	12.
Dibromomethane	ND		ug/kg	500	12.
Styrene	ND		ug/kg	100	20.
Dichlorodifluoromethane	ND		ug/kg	500	25.
Acetone	ND		ug/kg	500	110
Carbon disulfide	ND		ug/kg	500	55.
2-Butanone	ND		ug/kg	500	34.
Vinyl acetate	ND		ug/kg	500	7.6
4-Methyl-2-pentanone	ND		ug/kg	500	12.
1,2,3-Trichloropropane	ND		ug/kg	500	8.8
2-Hexanone	ND		ug/kg	500	33.
Bromochloromethane	ND		ug/kg	250	18.
2,2-Dichloropropane	ND		ug/kg	250	22.
1,2-Dibromoethane	ND		ug/kg	200	10.
1,3-Dichloropropane	ND		ug/kg	250	9.2
1,1,1,2-Tetrachloroethane	ND		ug/kg	50	16.
Bromobenzene	ND		ug/kg	250	11.
n-Butylbenzene	ND		ug/kg	50	11.
sec-Butylbenzene	ND		ug/kg	50	11.
tert-Butylbenzene	ND		ug/kg	250	12.
o-Chlorotoluene	ND		ug/kg	250	11.

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L1819490  
**Report Date:** 06/04/18

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 1,8260C  
Analytical Date: 05/31/18 20:18  
Analyst: KD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 04 Batch: WG1121451-5					
p-Chlorotoluene	ND		ug/kg	250	9.2
1,2-Dibromo-3-chloropropane	ND		ug/kg	250	20.
Hexachlorobutadiene	ND		ug/kg	250	17.
Isopropylbenzene	ND		ug/kg	50	9.7
p-Isopropyltoluene	ND		ug/kg	50	10.
Naphthalene	ND		ug/kg	250	6.9
Acrylonitrile	ND		ug/kg	500	26.
n-Propylbenzene	ND		ug/kg	50	11.
1,2,3-Trichlorobenzene	ND		ug/kg	250	12.
1,2,4-Trichlorobenzene	ND		ug/kg	250	11.
1,3,5-Trimethylbenzene	ND		ug/kg	250	8.0
1,2,4-Trimethylbenzene	ND		ug/kg	250	9.3
1,4-Dioxane	ND		ug/kg	2000	720
p-Diethylbenzene	ND		ug/kg	200	200
p-Ethyltoluene	ND		ug/kg	200	12.
1,2,4,5-Tetramethylbenzene	ND		ug/kg	200	7.8
Ethyl ether	ND		ug/kg	250	13.
trans-1,4-Dichloro-2-butene	ND		ug/kg	250	20.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	81		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	93		70-130

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 266-270 W. 96TH STREET

Lab Number: L1819490

Project Number: 170432001

Report Date: 06/04/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 08 Batch: WG1121178-3 WG1121178-4								
Methylene chloride	110		100		70-130	10		20
1,1-Dichloroethane	120		110		70-130	9		20
Chloroform	97		98		70-130	1		20
Carbon tetrachloride	88		85		63-132	3		20
1,2-Dichloropropane	120		120		70-130	0		20
Dibromochloromethane	95		97		63-130	2		20
1,1,2-Trichloroethane	110		110		70-130	0		20
Tetrachloroethene	88		87		70-130	1		20
Chlorobenzene	99		99		75-130	0		20
Trichlorofluoromethane	84		80		62-150	5		20
1,2-Dichloroethane	98		100		70-130	2		20
1,1,1-Trichloroethane	91		90		67-130	1		20
Bromodichloromethane	94		93		67-130	1		20
trans-1,3-Dichloropropene	110		110		70-130	0		20
cis-1,3-Dichloropropene	100		100		70-130	0		20
1,1-Dichloropropene	100		99		70-130	1		20
Bromoform	95		100		54-136	5		20
1,1,2,2-Tetrachloroethane	110		120		67-130	9		20
Benzene	100		99		70-130	1		20
Toluene	100		100		70-130	0		20
Ethylbenzene	100		100		70-130	0		20
Chloromethane	110		110		64-130	0		20
Bromomethane	54		52		39-139	4		20

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 266-270 W. 96TH STREET

Lab Number: L1819490

Project Number: 170432001

Report Date: 06/04/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 08 Batch: WG1121178-3 WG1121178-4								
Vinyl chloride	73		71		55-140	3		20
Chloroethane	95		92		55-138	3		20
1,1-Dichloroethene	92		91		61-145	1		20
trans-1,2-Dichloroethene	98		96		70-130	2		20
Trichloroethene	90		89		70-130	1		20
1,2-Dichlorobenzene	97		99		70-130	2		20
1,3-Dichlorobenzene	97		97		70-130	0		20
1,4-Dichlorobenzene	98		97		70-130	1		20
Methyl tert butyl ether	110		110		63-130	0		20
p/m-Xylene	100		100		70-130	0		20
o-Xylene	100		100		70-130	0		20
cis-1,2-Dichloroethene	98		97		70-130	1		20
Dibromomethane	91		93		70-130	2		20
1,2,3-Trichloropropane	110		120		64-130	9		20
Acrylonitrile	150	Q	160	Q	70-130	6		20
Styrene	155	Q	155	Q	70-130	0		20
Dichlorodifluoromethane	69		67		36-147	3		20
Acetone	120		130		58-148	8		20
Carbon disulfide	98		94		51-130	4		20
2-Butanone	140	Q	150	Q	63-138	7		20
Vinyl acetate	120		130		70-130	8		20
4-Methyl-2-pentanone	120		130		59-130	8		20
2-Hexanone	120		130		57-130	8		20

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 266-270 W. 96TH STREET

Lab Number: L1819490

Project Number: 170432001

Report Date: 06/04/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 08 Batch: WG1121178-3 WG1121178-4								
Bromochloromethane	89		90		70-130	1		20
2,2-Dichloropropane	100		97		63-133	3		20
1,2-Dibromoethane	96		100		70-130	4		20
1,3-Dichloropropane	110		110		70-130	0		20
1,1,1,2-Tetrachloroethane	96		95		64-130	1		20
Bromobenzene	94		95		70-130	1		20
n-Butylbenzene	110		100		53-136	10		20
sec-Butylbenzene	100		100		70-130	0		20
tert-Butylbenzene	100		100		70-130	0		20
o-Chlorotoluene	110		110		70-130	0		20
p-Chlorotoluene	110		110		70-130	0		20
1,2-Dibromo-3-chloropropane	88		98		41-144	11		20
Hexachlorobutadiene	69		68		63-130	1		20
Isopropylbenzene	100		100		70-130	0		20
p-Isopropyltoluene	100		100		70-130	0		20
Naphthalene	91		98		70-130	7		20
n-Propylbenzene	110		110		69-130	0		20
1,2,3-Trichlorobenzene	81		84		70-130	4		20
1,2,4-Trichlorobenzene	82		84		70-130	2		20
1,3,5-Trimethylbenzene	100		100		64-130	0		20
1,2,4-Trimethylbenzene	84		83		70-130	1		20
1,4-Dioxane	102		102		56-162	0		20
p-Diethylbenzene	100		100		70-130	0		20

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 266-270 W. 96TH STREET

**Project Number:** 170432001

**Lab Number:** L1819490

**Report Date:** 06/04/18

Parameter	LCS		LCSD		%Recovery Limits	RPD	RPD	
	%Recovery	Qual	%Recovery	Qual			Qual	Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 08 Batch: WG1121178-3 WG1121178-4								
p-Ethyltoluene	110		110		70-130	0		20
1,2,4,5-Tetramethylbenzene	96		96		70-130	0		20
Ethyl ether	110		120		59-134	9		20
trans-1,4-Dichloro-2-butene	120		130		70-130	8		20

Surrogate	LCS		LCSD		Acceptance Criteria
	%Recovery	Qual	%Recovery	Qual	
1,2-Dichloroethane-d4	94		95		70-130
Toluene-d8	103		102		70-130
4-Bromofluorobenzene	105		103		70-130
Dibromofluoromethane	93		91		70-130



## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 266-270 W. 96TH STREET

Lab Number: L1819490

Project Number: 170432001

Report Date: 06/04/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-03,05-07 Batch: WG1121449-3 WG1121449-4								
Methylene chloride	94		96		70-130	2		30
1,1-Dichloroethane	88		90		70-130	2		30
Chloroform	88		89		70-130	1		30
Carbon tetrachloride	88		88		70-130	0		30
1,2-Dichloropropane	95		97		70-130	2		30
Dibromochloromethane	84		84		70-130	0		30
1,1,2-Trichloroethane	89		90		70-130	1		30
Tetrachloroethene	100		100		70-130	0		30
Chlorobenzene	93		92		70-130	1		30
Trichlorofluoromethane	87		89		70-139	2		30
1,2-Dichloroethane	75		77		70-130	3		30
1,1,1-Trichloroethane	86		87		70-130	1		30
Bromodichloromethane	88		90		70-130	2		30
trans-1,3-Dichloropropene	82		82		70-130	0		30
cis-1,3-Dichloropropene	97		98		70-130	1		30
1,1-Dichloropropene	93		94		70-130	1		30
Bromoform	83		85		70-130	2		30
1,1,2,2-Tetrachloroethane	95		95		70-130	0		30
Benzene	95		96		70-130	1		30
Toluene	94		94		70-130	0		30
Ethylbenzene	92		92		70-130	0		30
Chloromethane	104		102		52-130	2		30
Bromomethane	108		107		57-147	1		30

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 266-270 W. 96TH STREET

Lab Number: L1819490

Project Number: 170432001

Report Date: 06/04/18

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-03,05-07 Batch: WG1121449-3 WG1121449-4								
Vinyl chloride	100		96		67-130	4		30
Chloroethane	78		84		50-151	7		30
1,1-Dichloroethene	104		103		65-135	1		30
trans-1,2-Dichloroethene	98		98		70-130	0		30
Trichloroethene	92		93		70-130	1		30
1,2-Dichlorobenzene	96		95		70-130	1		30
1,3-Dichlorobenzene	94		94		70-130	0		30
1,4-Dichlorobenzene	92		92		70-130	0		30
Methyl tert butyl ether	93		95		66-130	2		30
p/m-Xylene	96		95		70-130	1		30
o-Xylene	96		96		70-130	0		30
cis-1,2-Dichloroethene	98		102		70-130	4		30
Dibromomethane	84		87		70-130	4		30
Styrene	96		96		70-130	0		30
Dichlorodifluoromethane	79		81		30-146	3		30
Acetone	88		89		54-140	1		30
Carbon disulfide	89		89		59-130	0		30
2-Butanone	88		74		70-130	17		30
Vinyl acetate	76		77		70-130	1		30
4-Methyl-2-pentanone	91		88		70-130	3		30
1,2,3-Trichloropropane	89		89		68-130	0		30
2-Hexanone	83		78		70-130	6		30
Bromochloromethane	103		103		70-130	0		30

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 266-270 W. 96TH STREET

Lab Number: L1819490

Project Number: 170432001

Report Date: 06/04/18

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-03,05-07 Batch: WG1121449-3 WG1121449-4								
2,2-Dichloropropane	84		85		70-130	1		30
1,2-Dibromoethane	91		90		70-130	1		30
1,3-Dichloropropane	94		94		69-130	0		30
1,1,1,2-Tetrachloroethane	94		93		70-130	1		30
Bromobenzene	99		100		70-130	1		30
n-Butylbenzene	87		87		70-130	0		30
sec-Butylbenzene	92		91		70-130	1		30
tert-Butylbenzene	93		93		70-130	0		30
o-Chlorotoluene	87		88		70-130	1		30
p-Chlorotoluene	90		91		70-130	1		30
1,2-Dibromo-3-chloropropane	89		86		68-130	3		30
Hexachlorobutadiene	99		99		67-130	0		30
Isopropylbenzene	93		94		70-130	1		30
p-Isopropyltoluene	93		94		70-130	1		30
Naphthalene	103		102		70-130	1		30
Acrylonitrile	90		91		70-130	1		30
n-Propylbenzene	91		92		70-130	1		30
1,2,3-Trichlorobenzene	101		100		70-130	1		30
1,2,4-Trichlorobenzene	103		101		70-130	2		30
1,3,5-Trimethylbenzene	91		93		70-130	2		30
1,2,4-Trimethylbenzene	92		93		70-130	1		30
1,4-Dioxane	100		97		65-136	3		30
p-Diethylbenzene	94		95		70-130	1		30

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 266-270 W. 96TH STREET

**Project Number:** 170432001

**Lab Number:** L1819490

**Report Date:** 06/04/18

Parameter	LCS		LCSD		%Recovery Limits	RPD	RPD	
	%Recovery	Qual	%Recovery	Qual			Qual	Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-03,05-07 Batch: WG1121449-3 WG1121449-4								
p-Ethyltoluene	94		94		70-130	0		30
1,2,4,5-Tetramethylbenzene	94		94		70-130	0		30
Ethyl ether	87		91		67-130	4		30
trans-1,4-Dichloro-2-butene	74		76		70-130	3		30

Surrogate	LCS		LCSD		Acceptance Criteria
	%Recovery	Qual	%Recovery	Qual	
1,2-Dichloroethane-d4	79		79		70-130
Toluene-d8	99		98		70-130
4-Bromofluorobenzene	98		98		70-130
Dibromofluoromethane	96		95		70-130

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 266-270 W. 96TH STREET

Lab Number: L1819490

Project Number: 170432001

Report Date: 06/04/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 04 Batch: WG1121451-3 WG1121451-4								
Methylene chloride	94		96		70-130	2		30
1,1-Dichloroethane	88		90		70-130	2		30
Chloroform	88		89		70-130	1		30
Carbon tetrachloride	88		88		70-130	0		30
1,2-Dichloropropane	95		97		70-130	2		30
Dibromochloromethane	84		84		70-130	0		30
1,1,2-Trichloroethane	89		90		70-130	1		30
Tetrachloroethene	100		100		70-130	0		30
Chlorobenzene	93		92		70-130	1		30
Trichlorofluoromethane	87		89		70-139	2		30
1,2-Dichloroethane	75		77		70-130	3		30
1,1,1-Trichloroethane	86		87		70-130	1		30
Bromodichloromethane	88		90		70-130	2		30
trans-1,3-Dichloropropene	82		82		70-130	0		30
cis-1,3-Dichloropropene	97		98		70-130	1		30
1,1-Dichloropropene	93		94		70-130	1		30
Bromoform	83		85		70-130	2		30
1,1,2,2-Tetrachloroethane	95		95		70-130	0		30
Benzene	95		96		70-130	1		30
Toluene	94		94		70-130	0		30
Ethylbenzene	92		92		70-130	0		30
Chloromethane	104		102		52-130	2		30
Bromomethane	108		107		57-147	1		30

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 266-270 W. 96TH STREET

Lab Number: L1819490

Project Number: 170432001

Report Date: 06/04/18

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 04 Batch: WG1121451-3 WG1121451-4								
Vinyl chloride	100		96		67-130	4		30
Chloroethane	78		84		50-151	7		30
1,1-Dichloroethene	104		103		65-135	1		30
trans-1,2-Dichloroethene	98		98		70-130	0		30
Trichloroethene	92		93		70-130	1		30
1,2-Dichlorobenzene	96		95		70-130	1		30
1,3-Dichlorobenzene	94		94		70-130	0		30
1,4-Dichlorobenzene	92		92		70-130	0		30
Methyl tert butyl ether	93		95		66-130	2		30
p/m-Xylene	96		95		70-130	1		30
o-Xylene	96		96		70-130	0		30
cis-1,2-Dichloroethene	98		102		70-130	4		30
Dibromomethane	84		87		70-130	4		30
Styrene	96		96		70-130	0		30
Dichlorodifluoromethane	79		81		30-146	3		30
Acetone	88		89		54-140	1		30
Carbon disulfide	89		89		59-130	0		30
2-Butanone	88		74		70-130	17		30
Vinyl acetate	76		77		70-130	1		30
4-Methyl-2-pentanone	91		88		70-130	3		30
1,2,3-Trichloropropane	89		89		68-130	0		30
2-Hexanone	83		78		70-130	6		30
Bromochloromethane	103		103		70-130	0		30

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 266-270 W. 96TH STREET

Lab Number: L1819490

Project Number: 170432001

Report Date: 06/04/18

Parameter	LCS		LCSD		%Recovery		RPD	RPD	
	%Recovery	Qual	%Recovery	Qual	Limits	Qual		Limits	
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 04 Batch: WG1121451-3 WG1121451-4									
2,2-Dichloropropane	84		85		70-130	1		30	
1,2-Dibromoethane	91		90		70-130	1		30	
1,3-Dichloropropane	94		94		69-130	0		30	
1,1,1,2-Tetrachloroethane	94		93		70-130	1		30	
Bromobenzene	99		100		70-130	1		30	
n-Butylbenzene	87		87		70-130	0		30	
sec-Butylbenzene	92		91		70-130	1		30	
tert-Butylbenzene	93		93		70-130	0		30	
o-Chlorotoluene	87		88		70-130	1		30	
p-Chlorotoluene	90		91		70-130	1		30	
1,2-Dibromo-3-chloropropane	89		86		68-130	3		30	
Hexachlorobutadiene	99		99		67-130	0		30	
Isopropylbenzene	93		94		70-130	1		30	
p-Isopropyltoluene	93		94		70-130	1		30	
Naphthalene	103		102		70-130	1		30	
Acrylonitrile	90		91		70-130	1		30	
n-Propylbenzene	91		92		70-130	1		30	
1,2,3-Trichlorobenzene	101		100		70-130	1		30	
1,2,4-Trichlorobenzene	103		101		70-130	2		30	
1,3,5-Trimethylbenzene	91		93		70-130	2		30	
1,2,4-Trimethylbenzene	92		93		70-130	1		30	
1,4-Dioxane	100		97		65-136	3		30	
p-Diethylbenzene	94		95		70-130	1		30	

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 266-270 W. 96TH STREET

**Project Number:** 170432001

**Lab Number:** L1819490

**Report Date:** 06/04/18

Parameter	LCS		LCSD		%Recovery Limits	RPD	RPD	
	%Recovery	Qual	%Recovery	Qual			Qual	Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 04 Batch: WG1121451-3 WG1121451-4								
p-Ethyltoluene	94		94		70-130	0		30
1,2,4,5-Tetramethylbenzene	94		94		70-130	0		30
Ethyl ether	87		91		67-130	4		30
trans-1,4-Dichloro-2-butene	74		76		70-130	3		30

Surrogate	LCS		LCSD		Acceptance Criteria
	%Recovery	Qual	%Recovery	Qual	
1,2-Dichloroethane-d4	79		79		70-130
Toluene-d8	99		98		70-130
4-Bromofluorobenzene	98		98		70-130
Dibromofluoromethane	96		96		70-130



# SEMIVOLATILES

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L1819490  
**Report Date:** 06/04/18

**SAMPLE RESULTS**

**Lab ID:** L1819490-01  
**Client ID:** SB01\_0.5-1.5  
**Sample Location:** 268 W. 96TH STREET

**Date Collected:** 05/25/18 11:00  
**Date Received:** 05/25/18  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8270D  
**Analytical Date:** 05/31/18 20:47  
**Analyst:** RC  
**Percent Solids:** 92%

**Extraction Method:** EPA 3546  
**Extraction Date:** 05/30/18 17:41

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Acenaphthene	22	J	ug/kg	140	18.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	20.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	32.	1
1,3-Dichlorobenzene	ND		ug/kg	180	31.	1
1,4-Dichlorobenzene	ND		ug/kg	180	31.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	47.	1
2,4-Dinitrotoluene	ND		ug/kg	180	36.	1
2,6-Dinitrotoluene	ND		ug/kg	180	30.	1
Fluoranthene	230		ug/kg	110	20.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	27.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	30.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	510	160	1
Hexachloroethane	ND		ug/kg	140	29.	1
Isophorone	ND		ug/kg	160	23.	1
Naphthalene	ND		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	26.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	71	J	ug/kg	180	62.	1
Butyl benzyl phthalate	ND		ug/kg	180	45.	1
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	61.	1

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L1819490  
**Report Date:** 06/04/18

**SAMPLE RESULTS**

**Lab ID:** L1819490-01  
**Client ID:** SB01\_0.5-1.5  
**Sample Location:** 268 W. 96TH STREET

**Date Collected:** 05/25/18 11:00  
**Date Received:** 05/25/18  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Diethyl phthalate	ND		ug/kg	180	16.	1
Dimethyl phthalate	ND		ug/kg	180	37.	1
Benzo(a)anthracene	98	J	ug/kg	110	20.	1
Benzo(a)pyrene	84	J	ug/kg	140	43.	1
Benzo(b)fluoranthene	96	J	ug/kg	110	30.	1
Benzo(k)fluoranthene	31	J	ug/kg	110	28.	1
Chrysene	91	J	ug/kg	110	18.	1
Acenaphthylene	ND		ug/kg	140	28.	1
Anthracene	63	J	ug/kg	110	35.	1
Benzo(ghi)perylene	44	J	ug/kg	140	21.	1
Fluorene	29	J	ug/kg	180	17.	1
Phenanthrene	280		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	48	J	ug/kg	140	25.	1
Pyrene	240		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	410	41.	1
4-Chloroaniline	ND		ug/kg	180	32.	1
2-Nitroaniline	ND		ug/kg	180	34.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	74.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	210	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
p-Chloro-m-cresol	ND		ug/kg	180	26.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	59.	1
2-Nitrophenol	ND		ug/kg	380	67.	1
4-Nitrophenol	ND		ug/kg	250	73.	1
2,4-Dinitrophenol	ND		ug/kg	860	83.	1
4,6-Dinitro-o-cresol	ND		ug/kg	460	86.	1
Pentachlorophenol	ND		ug/kg	140	39.	1
Phenol	ND		ug/kg	180	27.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	28.	1

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L1819490  
**Report Date:** 06/04/18

**SAMPLE RESULTS**

**Lab ID:** L1819490-01  
**Client ID:** SB01\_0.5-1.5  
**Sample Location:** 268 W. 96TH STREET

**Date Collected:** 05/25/18 11:00  
**Date Received:** 05/25/18  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
2,4,5-Trichlorophenol	ND		ug/kg	180	34.	1
Benzoic Acid	ND		ug/kg	580	180	1
Benzyl Alcohol	ND		ug/kg	180	54.	1
Carbazole	22	J	ug/kg	180	17.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	67		25-120
Phenol-d6	75		10-120
Nitrobenzene-d5	86		23-120
2-Fluorobiphenyl	75		30-120
2,4,6-Tribromophenol	70		10-136
4-Terphenyl-d14	81		18-120

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L1819490  
**Report Date:** 06/04/18

**SAMPLE RESULTS**

Lab ID: L1819490-02  
 Client ID: SB01\_6-7  
 Sample Location: 268 W. 96TH STREET

Date Collected: 05/25/18 11:05  
 Date Received: 05/25/18  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270D  
 Analytical Date: 05/31/18 17:29  
 Analyst: RC  
 Percent Solids: 84%

Extraction Method: EPA 3546  
 Extraction Date: 05/30/18 17:41

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Acenaphthene	ND		ug/kg	150	20.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	22.	1
Hexachlorobenzene	ND		ug/kg	120	22.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	26.	1
2-Chloronaphthalene	ND		ug/kg	190	19.	1
1,2-Dichlorobenzene	ND		ug/kg	190	35.	1
1,3-Dichlorobenzene	ND		ug/kg	190	33.	1
1,4-Dichlorobenzene	ND		ug/kg	190	34.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	51.	1
2,4-Dinitrotoluene	ND		ug/kg	190	39.	1
2,6-Dinitrotoluene	ND		ug/kg	190	33.	1
Fluoranthene	29	J	ug/kg	120	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	21.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	30.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	33.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	19.	1
Hexachlorobutadiene	ND		ug/kg	190	28.	1
Hexachlorocyclopentadiene	ND		ug/kg	550	180	1
Hexachloroethane	ND		ug/kg	150	31.	1
Isophorone	ND		ug/kg	170	25.	1
Naphthalene	ND		ug/kg	190	24.	1
Nitrobenzene	ND		ug/kg	170	29.	1
NDPA/DPA	ND		ug/kg	150	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	30.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	67.	1
Butyl benzyl phthalate	ND		ug/kg	190	49.	1
Di-n-butylphthalate	ND		ug/kg	190	37.	1
Di-n-octylphthalate	ND		ug/kg	190	66.	1

**Project Name:** 266-270 W. 96TH STREET**Lab Number:** L1819490**Project Number:** 170432001**Report Date:** 06/04/18**SAMPLE RESULTS**

Lab ID: L1819490-02

Date Collected: 05/25/18 11:05

Client ID: SB01\_6-7

Date Received: 05/25/18

Sample Location: 268 W. 96TH STREET

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Diethyl phthalate	ND		ug/kg	190	18.	1
Dimethyl phthalate	ND		ug/kg	190	41.	1
Benzo(a)anthracene	ND		ug/kg	120	22.	1
Benzo(a)pyrene	ND		ug/kg	150	47.	1
Benzo(b)fluoranthene	ND		ug/kg	120	32.	1
Benzo(k)fluoranthene	ND		ug/kg	120	31.	1
Chrysene	ND		ug/kg	120	20.	1
Acenaphthylene	ND		ug/kg	150	30.	1
Anthracene	ND		ug/kg	120	38.	1
Benzo(ghi)perylene	ND		ug/kg	150	23.	1
Fluorene	ND		ug/kg	190	19.	1
Phenanthrene	45	J	ug/kg	120	24.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	22.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	27.	1
Pyrene	34	J	ug/kg	120	19.	1
Biphenyl	ND		ug/kg	440	45.	1
4-Chloroaniline	ND		ug/kg	190	35.	1
2-Nitroaniline	ND		ug/kg	190	37.	1
3-Nitroaniline	ND		ug/kg	190	36.	1
4-Nitroaniline	ND		ug/kg	190	80.	1
Dibenzofuran	ND		ug/kg	190	18.	1
2-Methylnaphthalene	ND		ug/kg	230	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	24.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	37.	1
p-Chloro-m-cresol	ND		ug/kg	190	29.	1
2-Chlorophenol	ND		ug/kg	190	23.	1
2,4-Dichlorophenol	ND		ug/kg	170	31.	1
2,4-Dimethylphenol	ND		ug/kg	190	64.	1
2-Nitrophenol	ND		ug/kg	420	73.	1
4-Nitrophenol	ND		ug/kg	270	79.	1
2,4-Dinitrophenol	ND		ug/kg	930	90.	1
4,6-Dinitro-o-cresol	ND		ug/kg	500	93.	1
Pentachlorophenol	ND		ug/kg	150	42.	1
Phenol	ND		ug/kg	190	29.	1
2-Methylphenol	ND		ug/kg	190	30.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	30.	1

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L1819490  
**Report Date:** 06/04/18

**SAMPLE RESULTS**

**Lab ID:** L1819490-02  
**Client ID:** SB01\_6-7  
**Sample Location:** 268 W. 96TH STREET

**Date Collected:** 05/25/18 11:05  
**Date Received:** 05/25/18  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
2,4,5-Trichlorophenol	ND		ug/kg	190	37.	1
Benzoic Acid	ND		ug/kg	630	200	1
Benzyl Alcohol	ND		ug/kg	190	59.	1
Carbazole	ND		ug/kg	190	19.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	75		25-120
Phenol-d6	81		10-120
Nitrobenzene-d5	91		23-120
2-Fluorobiphenyl	78		30-120
2,4,6-Tribromophenol	76		10-136
4-Terphenyl-d14	77		18-120

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L1819490  
**Report Date:** 06/04/18

**SAMPLE RESULTS**

Lab ID: L1819490-03  
 Client ID: SB02\_0.5-1.5  
 Sample Location: 268 W. 96TH STREET

Date Collected: 05/25/18 12:50  
 Date Received: 05/25/18  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270D  
 Analytical Date: 05/31/18 22:25  
 Analyst: RC  
 Percent Solids: 90%

Extraction Method: EPA 3546  
 Extraction Date: 05/30/18 17:41

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Acenaphthene	240		ug/kg	150	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	21.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	25.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	33.	1
1,3-Dichlorobenzene	ND		ug/kg	180	32.	1
1,4-Dichlorobenzene	ND		ug/kg	180	32.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	49.	1
2,4-Dinitrotoluene	ND		ug/kg	180	37.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Fluoranthene	4600		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	31.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	18.	1
Hexachlorobutadiene	ND		ug/kg	180	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	520	160	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	160	24.	1
Naphthalene	110	J	ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	27.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	63.	1
Butyl benzyl phthalate	ND		ug/kg	180	46.	1
Di-n-butylphthalate	ND		ug/kg	180	35.	1
Di-n-octylphthalate	ND		ug/kg	180	62.	1



**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L1819490  
**Report Date:** 06/04/18

**SAMPLE RESULTS**

Lab ID: L1819490-03  
 Client ID: SB02\_0.5-1.5  
 Sample Location: 268 W. 96TH STREET

Date Collected: 05/25/18 12:50  
 Date Received: 05/25/18  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	38.	1
Benzo(a)anthracene	2500		ug/kg	110	21.	1
Benzo(a)pyrene	2300		ug/kg	150	45.	1
Benzo(b)fluoranthene	2700		ug/kg	110	31.	1
Benzo(k)fluoranthene	810		ug/kg	110	29.	1
Chrysene	2300		ug/kg	110	19.	1
Acenaphthylene	410		ug/kg	150	28.	1
Anthracene	730		ug/kg	110	36.	1
Benzo(ghi)perylene	1400		ug/kg	150	22.	1
Fluorene	230		ug/kg	180	18.	1
Phenanthrene	2900		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	320		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	1500		ug/kg	150	26.	1
Pyrene	5000		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	420	42.	1
4-Chloroaniline	ND		ug/kg	180	33.	1
2-Nitroaniline	ND		ug/kg	180	35.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	76.	1
Dibenzofuran	80	J	ug/kg	180	17.	1
2-Methylnaphthalene	50	J	ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	22.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	60.	1
2-Nitrophenol	ND		ug/kg	400	69.	1
4-Nitrophenol	ND		ug/kg	260	75.	1
2,4-Dinitrophenol	ND		ug/kg	880	85.	1
4,6-Dinitro-o-cresol	ND		ug/kg	480	88.	1
Pentachlorophenol	ND		ug/kg	150	40.	1
Phenol	ND		ug/kg	180	28.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	29.	1

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L1819490  
**Report Date:** 06/04/18

**SAMPLE RESULTS**

**Lab ID:** L1819490-03  
**Client ID:** SB02\_0.5-1.5  
**Sample Location:** 268 W. 96TH STREET

**Date Collected:** 05/25/18 12:50  
**Date Received:** 05/25/18  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
2,4,5-Trichlorophenol	ND		ug/kg	180	35.	1
Benzoic Acid	ND		ug/kg	590	180	1
Benzyl Alcohol	ND		ug/kg	180	56.	1
Carbazole	160	J	ug/kg	180	18.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	81		25-120
Phenol-d6	87		10-120
Nitrobenzene-d5	101		23-120
2-Fluorobiphenyl	90		30-120
2,4,6-Tribromophenol	87		10-136
4-Terphenyl-d14	89		18-120

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L1819490  
**Report Date:** 06/04/18

**SAMPLE RESULTS**

Lab ID: L1819490-04 D2  
 Client ID: SB02\_4.5-5.5  
 Sample Location: 268 W. 96TH STREET

Date Collected: 05/25/18 12:55  
 Date Received: 05/25/18  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270D  
 Analytical Date: 06/02/18 03:09  
 Analyst: CB  
 Percent Solids: 86%

Extraction Method: EPA 3546  
 Extraction Date: 05/30/18 17:41

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Fluoranthene	270000		ug/kg	11000	2200	100
Benzo(a)anthracene	130000		ug/kg	11000	2100	100
Benzo(a)pyrene	130000		ug/kg	15000	4600	100
Benzo(b)fluoranthene	140000		ug/kg	11000	3200	100
Chrysene	130000		ug/kg	11000	2000	100
Anthracene	91000		ug/kg	11000	3700	100
Benzo(ghi)perylene	76000		ug/kg	15000	2200	100
Phenanthrene	290000		ug/kg	11000	2300	100
Indeno(1,2,3-cd)pyrene	72000		ug/kg	15000	2600	100
Pyrene	300000		ug/kg	11000	1900	100

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L1819490  
**Report Date:** 06/04/18

**SAMPLE RESULTS**

Lab ID: L1819490-04 D  
 Client ID: SB02\_4.5-5.5  
 Sample Location: 268 W. 96TH STREET

Date Collected: 05/25/18 12:55  
 Date Received: 05/25/18  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270D  
 Analytical Date: 05/31/18 22:49  
 Analyst: RC  
 Percent Solids: 86%

Extraction Method: EPA 3546  
 Extraction Date: 05/30/18 17:41

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Acenaphthene	40000		ug/kg	1500	200	10
1,2,4-Trichlorobenzene	ND		ug/kg	1900	220	10
Hexachlorobenzene	ND		ug/kg	1100	210	10
Bis(2-chloroethyl)ether	ND		ug/kg	1700	260	10
2-Chloronaphthalene	ND		ug/kg	1900	190	10
1,2-Dichlorobenzene	ND		ug/kg	1900	340	10
1,3-Dichlorobenzene	ND		ug/kg	1900	320	10
1,4-Dichlorobenzene	ND		ug/kg	1900	330	10
3,3'-Dichlorobenzidine	ND		ug/kg	1900	500	10
2,4-Dinitrotoluene	ND		ug/kg	1900	380	10
2,6-Dinitrotoluene	ND		ug/kg	1900	320	10
Fluoranthene	190000	E	ug/kg	1100	220	10
4-Chlorophenyl phenyl ether	ND		ug/kg	1900	200	10
4-Bromophenyl phenyl ether	ND		ug/kg	1900	290	10
Bis(2-chloroisopropyl)ether	ND		ug/kg	2300	320	10
Bis(2-chloroethoxy)methane	ND		ug/kg	2000	190	10
Hexachlorobutadiene	ND		ug/kg	1900	280	10
Hexachlorocyclopentadiene	ND		ug/kg	5400	1700	10
Hexachloroethane	ND		ug/kg	1500	300	10
Isophorone	ND		ug/kg	1700	240	10
Naphthalene	37000		ug/kg	1900	230	10
Nitrobenzene	ND		ug/kg	1700	280	10
NDPA/DPA	ND		ug/kg	1500	210	10
n-Nitrosodi-n-propylamine	ND		ug/kg	1900	290	10
Bis(2-ethylhexyl)phthalate	ND		ug/kg	1900	650	10
Butyl benzyl phthalate	ND		ug/kg	1900	480	10
Di-n-butylphthalate	ND		ug/kg	1900	360	10
Di-n-octylphthalate	ND		ug/kg	1900	640	10

Project Name: 266-270 W. 96TH STREET

Lab Number: L1819490

Project Number: 170432001

Report Date: 06/04/18

## SAMPLE RESULTS

Lab ID: L1819490-04 D

Date Collected: 05/25/18 12:55

Client ID: SB02\_4.5-5.5

Date Received: 05/25/18

Sample Location: 268 W. 96TH STREET

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	1900	170	10
Dimethyl phthalate	ND		ug/kg	1900	400	10
Benzo(a)anthracene	130000	E	ug/kg	1100	210	10
Benzo(a)pyrene	120000	E	ug/kg	1500	460	10
Benzo(b)fluoranthene	140000	E	ug/kg	1100	320	10
Benzo(k)fluoranthene	25000		ug/kg	1100	300	10
Chrysene	110000	E	ug/kg	1100	200	10
Acenaphthylene	14000		ug/kg	1500	290	10
Anthracene	79000	E	ug/kg	1100	370	10
Benzo(ghi)perylene	79000	E	ug/kg	1500	220	10
Fluorene	44000		ug/kg	1900	180	10
Phenanthrene	200000	E	ug/kg	1100	230	10
Dibenzo(a,h)anthracene	23000		ug/kg	1100	220	10
Indeno(1,2,3-cd)pyrene	85000	E	ug/kg	1500	260	10
Pyrene	210000	E	ug/kg	1100	190	10
Biphenyl	4700		ug/kg	4300	440	10
4-Chloroaniline	ND		ug/kg	1900	340	10
2-Nitroaniline	ND		ug/kg	1900	360	10
3-Nitroaniline	ND		ug/kg	1900	360	10
4-Nitroaniline	ND		ug/kg	1900	780	10
Dibenzofuran	22000		ug/kg	1900	180	10
2-Methylnaphthalene	17000		ug/kg	2300	230	10
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	1900	200	10
Acetophenone	ND		ug/kg	1900	230	10
2,4,6-Trichlorophenol	ND		ug/kg	1100	360	10
p-Chloro-m-cresol	ND		ug/kg	1900	280	10
2-Chlorophenol	ND		ug/kg	1900	220	10
2,4-Dichlorophenol	ND		ug/kg	1700	300	10
2,4-Dimethylphenol	700	J	ug/kg	1900	620	10
2-Nitrophenol	ND		ug/kg	4100	710	10
4-Nitrophenol	ND		ug/kg	2600	770	10
2,4-Dinitrophenol	ND		ug/kg	9000	880	10
4,6-Dinitro-o-cresol	ND		ug/kg	4900	900	10
Pentachlorophenol	ND		ug/kg	1500	420	10
Phenol	830	J	ug/kg	1900	280	10
2-Methylphenol	410	J	ug/kg	1900	290	10
3-Methylphenol/4-Methylphenol	1800	J	ug/kg	2700	300	10

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L1819490  
**Report Date:** 06/04/18

**SAMPLE RESULTS**

Lab ID: L1819490-04 D  
 Client ID: SB02\_4.5-5.5  
 Sample Location: 268 W. 96TH STREET

Date Collected: 05/25/18 12:55  
 Date Received: 05/25/18  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
2,4,5-Trichlorophenol	ND		ug/kg	1900	360	10
Benzoic Acid	ND		ug/kg	6100	1900	10
Benzyl Alcohol	ND		ug/kg	1900	580	10
Carbazole	18000		ug/kg	1900	180	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	60		25-120
Phenol-d6	69		10-120
Nitrobenzene-d5	82		23-120
2-Fluorobiphenyl	75		30-120
2,4,6-Tribromophenol	70		10-136
4-Terphenyl-d14	<b>127</b>	Q	18-120

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L1819490  
**Report Date:** 06/04/18

**SAMPLE RESULTS**

**Lab ID:** L1819490-05  
**Client ID:** SB02\_11-12  
**Sample Location:** 268 W. 96TH STREET

**Date Collected:** 05/25/18 13:10  
**Date Received:** 05/25/18  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8270D  
**Analytical Date:** 05/31/18 17:54  
**Analyst:** RC  
**Percent Solids:** 90%

**Extraction Method:** EPA 3546  
**Extraction Date:** 05/30/18 17:41

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Acenaphthene	ND		ug/kg	140	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	21.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	32.	1
1,3-Dichlorobenzene	ND		ug/kg	180	31.	1
1,4-Dichlorobenzene	ND		ug/kg	180	32.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	48.	1
2,4-Dinitrotoluene	ND		ug/kg	180	36.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Fluoranthene	ND		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	31.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	520	160	1
Hexachloroethane	ND		ug/kg	140	29.	1
Isophorone	ND		ug/kg	160	23.	1
Naphthalene	ND		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	27.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	62.	1
Butyl benzyl phthalate	ND		ug/kg	180	46.	1
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	61.	1

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L1819490  
**Report Date:** 06/04/18

**SAMPLE RESULTS**

Lab ID: L1819490-05  
 Client ID: SB02\_11-12  
 Sample Location: 268 W. 96TH STREET

Date Collected: 05/25/18 13:10  
 Date Received: 05/25/18  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	38.	1
Benzo(a)anthracene	ND		ug/kg	110	20.	1
Benzo(a)pyrene	ND		ug/kg	140	44.	1
Benzo(b)fluoranthene	ND		ug/kg	110	30.	1
Benzo(k)fluoranthene	ND		ug/kg	110	29.	1
Chrysene	ND		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	140	28.	1
Anthracene	ND		ug/kg	110	35.	1
Benzo(ghi)perylene	ND		ug/kg	140	21.	1
Fluorene	ND		ug/kg	180	18.	1
Phenanthrene	22	J	ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	140	25.	1
Pyrene	24	J	ug/kg	110	18.	1
Biphenyl	ND		ug/kg	410	42.	1
4-Chloroaniline	ND		ug/kg	180	33.	1
2-Nitroaniline	ND		ug/kg	180	35.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	75.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	60.	1
2-Nitrophenol	ND		ug/kg	390	68.	1
4-Nitrophenol	ND		ug/kg	250	74.	1
2,4-Dinitrophenol	ND		ug/kg	870	84.	1
4,6-Dinitro-o-cresol	ND		ug/kg	470	87.	1
Pentachlorophenol	ND		ug/kg	140	40.	1
Phenol	ND		ug/kg	180	27.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	28.	1



**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L1819490  
**Report Date:** 06/04/18

**SAMPLE RESULTS**

**Lab ID:** L1819490-05  
**Client ID:** SB02\_11-12  
**Sample Location:** 268 W. 96TH STREET

**Date Collected:** 05/25/18 13:10  
**Date Received:** 05/25/18  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
2,4,5-Trichlorophenol	ND		ug/kg	180	35.	1
Benzoic Acid	ND		ug/kg	580	180	1
Benzyl Alcohol	ND		ug/kg	180	55.	1
Carbazole	ND		ug/kg	180	18.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	73		25-120
Phenol-d6	80		10-120
Nitrobenzene-d5	89		23-120
2-Fluorobiphenyl	83		30-120
2,4,6-Tribromophenol	80		10-136
4-Terphenyl-d14	82		18-120

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L1819490  
**Report Date:** 06/04/18

**SAMPLE RESULTS**

Lab ID: L1819490-06  
 Client ID: SB05\_0.5-1.5  
 Sample Location: 268 W. 96TH STREET

Date Collected: 05/25/18 11:35  
 Date Received: 05/25/18  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270D  
 Analytical Date: 05/31/18 18:19  
 Analyst: RC  
 Percent Solids: 85%

Extraction Method: EPA 3546  
 Extraction Date: 05/30/18 17:41

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Acenaphthene	ND		ug/kg	150	20.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	22.	1
Hexachlorobenzene	ND		ug/kg	120	22.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	26.	1
2-Chloronaphthalene	ND		ug/kg	190	19.	1
1,2-Dichlorobenzene	ND		ug/kg	190	35.	1
1,3-Dichlorobenzene	ND		ug/kg	190	33.	1
1,4-Dichlorobenzene	ND		ug/kg	190	34.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	51.	1
2,4-Dinitrotoluene	ND		ug/kg	190	38.	1
2,6-Dinitrotoluene	ND		ug/kg	190	33.	1
Fluoranthene	ND		ug/kg	120	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	21.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	29.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	33.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	19.	1
Hexachlorobutadiene	ND		ug/kg	190	28.	1
Hexachlorocyclopentadiene	ND		ug/kg	550	170	1
Hexachloroethane	ND		ug/kg	150	31.	1
Isophorone	ND		ug/kg	170	25.	1
Naphthalene	ND		ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	30.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	67.	1
Butyl benzyl phthalate	ND		ug/kg	190	48.	1
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	66.	1

**Project Name:** 266-270 W. 96TH STREET**Lab Number:** L1819490**Project Number:** 170432001**Report Date:** 06/04/18**SAMPLE RESULTS**

Lab ID: L1819490-06  
 Client ID: SB05\_0.5-1.5  
 Sample Location: 268 W. 96TH STREET

Date Collected: 05/25/18 11:35  
 Date Received: 05/25/18  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Diethyl phthalate	ND		ug/kg	190	18.	1
Dimethyl phthalate	ND		ug/kg	190	40.	1
Benzo(a)anthracene	ND		ug/kg	120	22.	1
Benzo(a)pyrene	ND		ug/kg	150	47.	1
Benzo(b)fluoranthene	ND		ug/kg	120	32.	1
Benzo(k)fluoranthene	ND		ug/kg	120	31.	1
Chrysene	ND		ug/kg	120	20.	1
Acenaphthylene	ND		ug/kg	150	30.	1
Anthracene	ND		ug/kg	120	38.	1
Benzo(ghi)perylene	ND		ug/kg	150	23.	1
Fluorene	ND		ug/kg	190	19.	1
Phenanthrene	ND		ug/kg	120	23.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	22.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	27.	1
Pyrene	ND		ug/kg	120	19.	1
Biphenyl	ND		ug/kg	440	45.	1
4-Chloroaniline	ND		ug/kg	190	35.	1
2-Nitroaniline	ND		ug/kg	190	37.	1
3-Nitroaniline	ND		ug/kg	190	36.	1
4-Nitroaniline	ND		ug/kg	190	80.	1
Dibenzofuran	ND		ug/kg	190	18.	1
2-Methylnaphthalene	ND		ug/kg	230	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	24.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	36.	1
p-Chloro-m-cresol	ND		ug/kg	190	29.	1
2-Chlorophenol	ND		ug/kg	190	23.	1
2,4-Dichlorophenol	ND		ug/kg	170	31.	1
2,4-Dimethylphenol	ND		ug/kg	190	64.	1
2-Nitrophenol	ND		ug/kg	420	72.	1
4-Nitrophenol	ND		ug/kg	270	79.	1
2,4-Dinitrophenol	ND		ug/kg	920	90.	1
4,6-Dinitro-o-cresol	ND		ug/kg	500	92.	1
Pentachlorophenol	ND		ug/kg	150	42.	1
Phenol	ND		ug/kg	190	29.	1
2-Methylphenol	ND		ug/kg	190	30.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	30.	1

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L1819490  
**Report Date:** 06/04/18

**SAMPLE RESULTS**

**Lab ID:** L1819490-06  
**Client ID:** SB05\_0.5-1.5  
**Sample Location:** 268 W. 96TH STREET

**Date Collected:** 05/25/18 11:35  
**Date Received:** 05/25/18  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
2,4,5-Trichlorophenol	ND		ug/kg	190	37.	1
Benzoic Acid	ND		ug/kg	620	190	1
Benzyl Alcohol	ND		ug/kg	190	59.	1
Carbazole	ND		ug/kg	190	19.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	74		25-120
Phenol-d6	80		10-120
Nitrobenzene-d5	90		23-120
2-Fluorobiphenyl	81		30-120
2,4,6-Tribromophenol	81		10-136
4-Terphenyl-d14	86		18-120

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L1819490  
**Report Date:** 06/04/18

**SAMPLE RESULTS**

**Lab ID:** L1819490-07  
**Client ID:** SB05\_5-6  
**Sample Location:** 268 W. 96TH STREET

**Date Collected:** 05/25/18 11:30  
**Date Received:** 05/25/18  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8270D  
**Analytical Date:** 05/31/18 18:43  
**Analyst:** RC  
**Percent Solids:** 91%

**Extraction Method:** EPA 3546  
**Extraction Date:** 05/30/18 17:41

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Acenaphthene	ND		ug/kg	140	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	21.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	25.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	33.	1
1,3-Dichlorobenzene	ND		ug/kg	180	31.	1
1,4-Dichlorobenzene	ND		ug/kg	180	32.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	48.	1
2,4-Dinitrotoluene	ND		ug/kg	180	36.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Fluoranthene	ND		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	31.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	520	160	1
Hexachloroethane	ND		ug/kg	140	29.	1
Isophorone	ND		ug/kg	160	24.	1
Naphthalene	ND		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	27.	1
NDPA/DPA	ND		ug/kg	140	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	63.	1
Butyl benzyl phthalate	ND		ug/kg	180	46.	1
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	62.	1

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L1819490  
**Report Date:** 06/04/18

**SAMPLE RESULTS**

Lab ID: L1819490-07  
 Client ID: SB05\_5-6  
 Sample Location: 268 W. 96TH STREET

Date Collected: 05/25/18 11:30  
 Date Received: 05/25/18  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	38.	1
Benzo(a)anthracene	ND		ug/kg	110	20.	1
Benzo(a)pyrene	ND		ug/kg	140	44.	1
Benzo(b)fluoranthene	ND		ug/kg	110	30.	1
Benzo(k)fluoranthene	ND		ug/kg	110	29.	1
Chrysene	ND		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	140	28.	1
Anthracene	ND		ug/kg	110	35.	1
Benzo(ghi)perylene	ND		ug/kg	140	21.	1
Fluorene	ND		ug/kg	180	18.	1
Phenanthrene	28	J	ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	140	25.	1
Pyrene	21	J	ug/kg	110	18.	1
Biphenyl	ND		ug/kg	410	42.	1
4-Chloroaniline	ND		ug/kg	180	33.	1
2-Nitroaniline	ND		ug/kg	180	35.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	75.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	60.	1
2-Nitrophenol	ND		ug/kg	390	68.	1
4-Nitrophenol	ND		ug/kg	250	74.	1
2,4-Dinitrophenol	ND		ug/kg	870	85.	1
4,6-Dinitro-o-cresol	ND		ug/kg	470	87.	1
Pentachlorophenol	ND		ug/kg	140	40.	1
Phenol	ND		ug/kg	180	27.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	28.	1

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L1819490  
**Report Date:** 06/04/18

**SAMPLE RESULTS**

**Lab ID:** L1819490-07  
**Client ID:** SB05\_5-6  
**Sample Location:** 268 W. 96TH STREET

**Date Collected:** 05/25/18 11:30  
**Date Received:** 05/25/18  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
2,4,5-Trichlorophenol	ND		ug/kg	180	35.	1
Benzoic Acid	ND		ug/kg	590	180	1
Benzyl Alcohol	ND		ug/kg	180	56.	1
Carbazole	ND		ug/kg	180	18.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	86		25-120
Phenol-d6	90		10-120
Nitrobenzene-d5	105		23-120
2-Fluorobiphenyl	90		30-120
2,4,6-Tribromophenol	84		10-136
4-Terphenyl-d14	91		18-120

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L1819490  
**Report Date:** 06/04/18

**Method Blank Analysis**  
**Batch Quality Control**

**Analytical Method:** 1,8270D  
**Analytical Date:** 05/31/18 07:47  
**Analyst:** PS

**Extraction Method:** EPA 3546  
**Extraction Date:** 05/30/18 17:41

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-07 Batch: WG1120801-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	170	19.
Hexachlorobenzene	ND		ug/kg	100	19.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	170	16.
1,2-Dichlorobenzene	ND		ug/kg	170	30.
1,3-Dichlorobenzene	ND		ug/kg	170	29.
1,4-Dichlorobenzene	ND		ug/kg	170	29.
3,3'-Dichlorobenzidine	ND		ug/kg	170	44.
2,4-Dinitrotoluene	ND		ug/kg	170	33.
2,6-Dinitrotoluene	ND		ug/kg	170	28.
Fluoranthene	ND		ug/kg	100	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	170	18.
4-Bromophenyl phenyl ether	ND		ug/kg	170	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	17.
Hexachlorobutadiene	ND		ug/kg	170	24.
Hexachlorocyclopentadiene	ND		ug/kg	480	150
Hexachloroethane	ND		ug/kg	130	27.
Isophorone	ND		ug/kg	150	22.
Naphthalene	ND		ug/kg	170	20.
Nitrobenzene	ND		ug/kg	150	25.
NDPA/DPA	ND		ug/kg	130	19.
n-Nitrosodi-n-propylamine	ND		ug/kg	170	26.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	170	58.
Butyl benzyl phthalate	ND		ug/kg	170	42.
Di-n-butylphthalate	ND		ug/kg	170	32.
Di-n-octylphthalate	ND		ug/kg	170	56.
Diethyl phthalate	ND		ug/kg	170	15.



**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L1819490  
**Report Date:** 06/04/18

**Method Blank Analysis**  
**Batch Quality Control**

**Analytical Method:** 1,8270D  
**Analytical Date:** 05/31/18 07:47  
**Analyst:** PS

**Extraction Method:** EPA 3546  
**Extraction Date:** 05/30/18 17:41

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-07 Batch: WG1120801-1					
Dimethyl phthalate	ND		ug/kg	170	35.
Benzo(a)anthracene	ND		ug/kg	100	19.
Benzo(a)pyrene	ND		ug/kg	130	41.
Benzo(b)fluoranthene	ND		ug/kg	100	28.
Benzo(k)fluoranthene	ND		ug/kg	100	27.
Chrysene	ND		ug/kg	100	17.
Acenaphthylene	ND		ug/kg	130	26.
Anthracene	ND		ug/kg	100	32.
Benzo(ghi)perylene	ND		ug/kg	130	20.
Fluorene	ND		ug/kg	170	16.
Phenanthrene	ND		ug/kg	100	20.
Dibenzo(a,h)anthracene	ND		ug/kg	100	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	100	16.
Biphenyl	ND		ug/kg	380	39.
4-Chloroaniline	ND		ug/kg	170	30.
2-Nitroaniline	ND		ug/kg	170	32.
3-Nitroaniline	ND		ug/kg	170	31.
4-Nitroaniline	ND		ug/kg	170	69.
Dibenzofuran	ND		ug/kg	170	16.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	17.
Acetophenone	ND		ug/kg	170	21.
2,4,6-Trichlorophenol	ND		ug/kg	100	32.
p-Chloro-m-cresol	ND		ug/kg	170	25.
2-Chlorophenol	ND		ug/kg	170	20.
2,4-Dichlorophenol	ND		ug/kg	150	27.
2,4-Dimethylphenol	ND		ug/kg	170	55.
2-Nitrophenol	ND		ug/kg	360	62.

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L1819490  
**Report Date:** 06/04/18

**Method Blank Analysis  
Batch Quality Control**

**Analytical Method:** 1,8270D  
**Analytical Date:** 05/31/18 07:47  
**Analyst:** PS

**Extraction Method:** EPA 3546  
**Extraction Date:** 05/30/18 17:41

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-07 Batch: WG1120801-1					
4-Nitrophenol	ND		ug/kg	230	68.
2,4-Dinitrophenol	ND		ug/kg	800	78.
4,6-Dinitro-o-cresol	ND		ug/kg	430	80.
Pentachlorophenol	ND		ug/kg	130	37.
Phenol	ND		ug/kg	170	25.
2-Methylphenol	ND		ug/kg	170	26.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.
2,4,5-Trichlorophenol	ND		ug/kg	170	32.
Benzoic Acid	ND		ug/kg	540	170
Benzyl Alcohol	ND		ug/kg	170	51.
Carbazole	ND		ug/kg	170	16.

**Tentatively Identified Compounds**

Total TIC Compounds	193	J	ug/kg
Aldol Condensates	193	J	ug/kg

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	75		25-120
Phenol-d6	75		10-120
Nitrobenzene-d5	69		23-120
2-Fluorobiphenyl	81		30-120
2,4,6-Tribromophenol	88		10-136
4-Terphenyl-d14	86		18-120

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 266-270 W. 96TH STREET

**Lab Number:** L1819490

**Project Number:** 170432001

**Report Date:** 06/04/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG1120801-2 WG1120801-3								
Acenaphthene	79		78		31-137	1		50
1,2,4-Trichlorobenzene	84		80		38-107	5		50
Hexachlorobenzene	90		86		40-140	5		50
Bis(2-chloroethyl)ether	73		70		40-140	4		50
2-Chloronaphthalene	93		88		40-140	6		50
1,2-Dichlorobenzene	74		72		40-140	3		50
1,3-Dichlorobenzene	72		71		40-140	1		50
1,4-Dichlorobenzene	73		72		28-104	1		50
3,3'-Dichlorobenzidine	60		58		40-140	3		50
2,4-Dinitrotoluene	96		92		40-132	4		50
2,6-Dinitrotoluene	104		99		40-140	5		50
Fluoranthene	90		87		40-140	3		50
4-Chlorophenyl phenyl ether	88		86		40-140	2		50
4-Bromophenyl phenyl ether	91		88		40-140	3		50
Bis(2-chloroisopropyl)ether	68		67		40-140	1		50
Bis(2-chloroethoxy)methane	76		72		40-117	5		50
Hexachlorobutadiene	88		86		40-140	2		50
Hexachlorocyclopentadiene	66		65		40-140	2		50
Hexachloroethane	72		71		40-140	1		50
Isophorone	76		72		40-140	5		50
Naphthalene	79		77		40-140	3		50
Nitrobenzene	75		72		40-140	4		50
NDPA/DPA	87		85		36-157	2		50

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 266-270 W. 96TH STREET

Lab Number: L1819490

Project Number: 170432001

Report Date: 06/04/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG1120801-2 WG1120801-3								
n-Nitrosodi-n-propylamine	74		71		32-121	4		50
Bis(2-ethylhexyl)phthalate	79		75		40-140	5		50
Butyl benzyl phthalate	83		81		40-140	2		50
Di-n-butylphthalate	84		82		40-140	2		50
Di-n-octylphthalate	78		75		40-140	4		50
Diethyl phthalate	87		84		40-140	4		50
Dimethyl phthalate	92		89		40-140	3		50
Benzo(a)anthracene	83		80		40-140	4		50
Benzo(a)pyrene	75		74		40-140	1		50
Benzo(b)fluoranthene	77		71		40-140	8		50
Benzo(k)fluoranthene	75		77		40-140	3		50
Chrysene	84		80		40-140	5		50
Acenaphthylene	93		88		40-140	6		50
Anthracene	83		80		40-140	4		50
Benzo(ghi)perylene	85		82		40-140	4		50
Fluorene	84		82		40-140	2		50
Phenanthrene	84		82		40-140	2		50
Dibenzo(a,h)anthracene	84		80		40-140	5		50
Indeno(1,2,3-cd)pyrene	86		80		40-140	7		50
Pyrene	90		86		35-142	5		50
Biphenyl	94		91		54-104	3		50
4-Chloroaniline	68		63		40-140	8		50
2-Nitroaniline	94		88		47-134	7		50

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 266-270 W. 96TH STREET

Lab Number: L1819490

Project Number: 170432001

Report Date: 06/04/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG1120801-2 WG1120801-3								
3-Nitroaniline	77		76		26-129	1		50
4-Nitroaniline	84		81		41-125	4		50
Dibenzofuran	82		81		40-140	1		50
2-Methylnaphthalene	84		81		40-140	4		50
1,2,4,5-Tetrachlorobenzene	100		95		40-117	5		50
Acetophenone	80		76		14-144	5		50
2,4,6-Trichlorophenol	95		90		30-130	5		50
p-Chloro-m-cresol	87		84		26-103	4		50
2-Chlorophenol	82		78		25-102	5		50
2,4-Dichlorophenol	88		83		30-130	6		50
2,4-Dimethylphenol	86		81		30-130	6		50
2-Nitrophenol	87		83		30-130	5		50
4-Nitrophenol	83		80		11-114	4		50
2,4-Dinitrophenol	63		65		4-130	3		50
4,6-Dinitro-o-cresol	99		96		10-130	3		50
Pentachlorophenol	74		74		17-109	0		50
Phenol	81		76		26-90	6		50
2-Methylphenol	81		77		30-130.	5		50
3-Methylphenol/4-Methylphenol	87		82		30-130	6		50
2,4,5-Trichlorophenol	98		93		30-130	5		50
Benzoic Acid	22		31		10-110	34		50
Benzyl Alcohol	78		76		40-140	3		50
Carbazole	84		80		54-128	5		50

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 266-270 W. 96TH STREET

**Project Number:** 170432001

**Lab Number:** L1819490

**Report Date:** 06/04/18

<b>Parameter</b>	<b>LCS %Recovery</b>	<b>Qual</b>	<b>LCSD %Recovery</b>	<b>Qual</b>	<b>%Recovery Limits</b>	<b>RPD</b>	<b>Qual</b>	<b>RPD Limits</b>
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG1120801-2 WG1120801-3								

<b>Surrogate</b>	<b>LCS %Recovery</b>	<b>Qual</b>	<b>LCSD %Recovery</b>	<b>Qual</b>	<b>Acceptance Criteria</b>
2-Fluorophenol	77		75		25-120
Phenol-d6	79		76		10-120
Nitrobenzene-d5	73		71		23-120
2-Fluorobiphenyl	83		83		30-120
2,4,6-Tribromophenol	89		85		10-136
4-Terphenyl-d14	85		84		18-120

# PCBS

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L1819490  
**Report Date:** 06/04/18

**SAMPLE RESULTS**

Lab ID: L1819490-01  
 Client ID: SB01\_0.5-1.5  
 Sample Location: 268 W. 96TH STREET

Date Collected: 05/25/18 11:00  
 Date Received: 05/25/18  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8082A  
 Analytical Date: 06/02/18 01:38  
 Analyst: WR  
 Percent Solids: 92%

Extraction Method: EPA 3546  
 Extraction Date: 05/30/18 00:20  
 Cleanup Method: EPA 3665A  
 Cleanup Date: 05/31/18  
 Cleanup Method: EPA 3660B  
 Cleanup Date: 05/31/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Polychlorinated Biphenyls by GC - Westborough Lab</b>							
Aroclor 1016	ND		ug/kg	35.0	3.97	1	A
Aroclor 1221	ND		ug/kg	35.0	5.33	1	A
Aroclor 1232	ND		ug/kg	35.0	3.44	1	A
Aroclor 1242	ND		ug/kg	35.0	4.28	1	A
Aroclor 1248	ND		ug/kg	35.0	3.93	1	A
Aroclor 1254	5.03	J	ug/kg	35.0	2.86	1	B
Aroclor 1260	4.04	J	ug/kg	35.0	3.65	1	B
Aroclor 1262	ND		ug/kg	35.0	2.88	1	A
Aroclor 1268	ND		ug/kg	35.0	2.48	1	A
PCBs, Total	9.07	J	ug/kg	35.0	2.48	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		30-150	A
Decachlorobiphenyl	58		30-150	A
2,4,5,6-Tetrachloro-m-xylene	72		30-150	B
Decachlorobiphenyl	75		30-150	B



**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L1819490  
**Report Date:** 06/04/18

**SAMPLE RESULTS**

**Lab ID:** L1819490-02  
**Client ID:** SB01\_6-7  
**Sample Location:** 268 W. 96TH STREET

**Date Collected:** 05/25/18 11:05  
**Date Received:** 05/25/18  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8082A  
**Analytical Date:** 06/03/18 02:42  
**Analyst:** KB  
**Percent Solids:** 84%

**Extraction Method:** EPA 3546  
**Extraction Date:** 05/30/18 00:20  
**Cleanup Method:** EPA 3665A  
**Cleanup Date:** 05/31/18  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 05/31/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Polychlorinated Biphenyls by GC - Westborough Lab</b>							
Aroclor 1016	ND		ug/kg	38.5	4.36	1	A
Aroclor 1221	ND		ug/kg	38.5	5.85	1	A
Aroclor 1232	ND		ug/kg	38.5	3.78	1	A
Aroclor 1242	ND		ug/kg	38.5	4.71	1	A
Aroclor 1248	ND		ug/kg	38.5	4.32	1	A
Aroclor 1254	ND		ug/kg	38.5	3.14	1	A
Aroclor 1260	ND		ug/kg	38.5	4.02	1	A
Aroclor 1262	ND		ug/kg	38.5	3.16	1	A
Aroclor 1268	ND		ug/kg	38.5	2.72	1	A
PCBs, Total	ND		ug/kg	38.5	2.72	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	85		30-150	A
Decachlorobiphenyl	68		30-150	A
2,4,5,6-Tetrachloro-m-xylene	87		30-150	B
Decachlorobiphenyl	78		30-150	B

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L1819490  
**Report Date:** 06/04/18

**SAMPLE RESULTS**

Lab ID: L1819490-03  
 Client ID: SB02\_0.5-1.5  
 Sample Location: 268 W. 96TH STREET

Date Collected: 05/25/18 12:50  
 Date Received: 05/25/18  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8082A  
 Analytical Date: 06/03/18 02:55  
 Analyst: KB  
 Percent Solids: 90%

Extraction Method: EPA 3546  
 Extraction Date: 05/30/18 00:20  
 Cleanup Method: EPA 3665A  
 Cleanup Date: 05/31/18  
 Cleanup Method: EPA 3660B  
 Cleanup Date: 05/31/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Polychlorinated Biphenyls by GC - Westborough Lab</b>							
Aroclor 1016	ND		ug/kg	35.7	4.05	1	A
Aroclor 1221	ND		ug/kg	35.7	5.44	1	A
Aroclor 1232	ND		ug/kg	35.7	3.51	1	A
Aroclor 1242	ND		ug/kg	35.7	4.37	1	A
Aroclor 1248	ND		ug/kg	35.7	4.01	1	A
Aroclor 1254	ND		ug/kg	35.7	2.91	1	A
Aroclor 1260	ND		ug/kg	35.7	3.73	1	A
Aroclor 1262	ND		ug/kg	35.7	2.94	1	A
Aroclor 1268	ND		ug/kg	35.7	2.53	1	A
PCBs, Total	ND		ug/kg	35.7	2.53	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		30-150	A
Decachlorobiphenyl	70		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	74		30-150	B

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L1819490  
**Report Date:** 06/04/18

**SAMPLE RESULTS**

**Lab ID:** L1819490-04  
**Client ID:** SB02\_4.5-5.5  
**Sample Location:** 268 W. 96TH STREET

**Date Collected:** 05/25/18 12:55  
**Date Received:** 05/25/18  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8082A  
**Analytical Date:** 06/03/18 01:24  
**Analyst:** KB  
**Percent Solids:** 86%

**Extraction Method:** EPA 3546  
**Extraction Date:** 05/30/18 00:20  
**Cleanup Method:** EPA 3665A  
**Cleanup Date:** 05/31/18  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 05/31/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Polychlorinated Biphenyls by GC - Westborough Lab</b>							
Aroclor 1016	ND		ug/kg	38.0	4.30	1	A
Aroclor 1221	ND		ug/kg	38.0	5.78	1	A
Aroclor 1232	ND		ug/kg	38.0	3.73	1	A
Aroclor 1242	ND		ug/kg	38.0	4.64	1	A
Aroclor 1248	ND		ug/kg	38.0	4.26	1	A
Aroclor 1254	ND		ug/kg	38.0	3.10	1	A
Aroclor 1260	ND		ug/kg	38.0	3.96	1	A
Aroclor 1262	ND		ug/kg	38.0	3.12	1	A
Aroclor 1268	ND		ug/kg	38.0	2.69	1	A
PCBs, Total	ND		ug/kg	38.0	2.69	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		30-150	A
Decachlorobiphenyl	72		30-150	A
2,4,5,6-Tetrachloro-m-xylene	50		30-150	B
Decachlorobiphenyl	82		30-150	B

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L1819490  
**Report Date:** 06/04/18

**SAMPLE RESULTS**

Lab ID: L1819490-05  
 Client ID: SB02\_11-12  
 Sample Location: 268 W. 96TH STREET

Date Collected: 05/25/18 13:10  
 Date Received: 05/25/18  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8082A  
 Analytical Date: 06/03/18 03:21  
 Analyst: KB  
 Percent Solids: 90%

Extraction Method: EPA 3546  
 Extraction Date: 05/30/18 00:20  
 Cleanup Method: EPA 3665A  
 Cleanup Date: 05/31/18  
 Cleanup Method: EPA 3660B  
 Cleanup Date: 05/31/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Polychlorinated Biphenyls by GC - Westborough Lab</b>							
Aroclor 1016	ND		ug/kg	36.1	4.09	1	A
Aroclor 1221	ND		ug/kg	36.1	5.49	1	A
Aroclor 1232	ND		ug/kg	36.1	3.55	1	A
Aroclor 1242	ND		ug/kg	36.1	4.42	1	A
Aroclor 1248	ND		ug/kg	36.1	4.05	1	A
Aroclor 1254	ND		ug/kg	36.1	2.94	1	A
Aroclor 1260	ND		ug/kg	36.1	3.76	1	A
Aroclor 1262	ND		ug/kg	36.1	2.96	1	A
Aroclor 1268	ND		ug/kg	36.1	2.55	1	A
PCBs, Total	ND		ug/kg	36.1	2.55	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	88		30-150	A
Decachlorobiphenyl	66		30-150	A
2,4,5,6-Tetrachloro-m-xylene	89		30-150	B
Decachlorobiphenyl	74		30-150	B

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L1819490  
**Report Date:** 06/04/18

**SAMPLE RESULTS**

Lab ID: L1819490-06  
 Client ID: SB05\_0.5-1.5  
 Sample Location: 268 W. 96TH STREET

Date Collected: 05/25/18 11:35  
 Date Received: 05/25/18  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8082A  
 Analytical Date: 06/03/18 03:34  
 Analyst: KB  
 Percent Solids: 85%

Extraction Method: EPA 3546  
 Extraction Date: 05/30/18 00:20  
 Cleanup Method: EPA 3665A  
 Cleanup Date: 05/31/18  
 Cleanup Method: EPA 3660B  
 Cleanup Date: 05/31/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Polychlorinated Biphenyls by GC - Westborough Lab</b>							
Aroclor 1016	ND		ug/kg	38.6	4.38	1	A
Aroclor 1221	ND		ug/kg	38.6	5.88	1	A
Aroclor 1232	ND		ug/kg	38.6	3.80	1	A
Aroclor 1242	ND		ug/kg	38.6	4.73	1	A
Aroclor 1248	ND		ug/kg	38.6	4.34	1	A
Aroclor 1254	ND		ug/kg	38.6	3.15	1	A
Aroclor 1260	ND		ug/kg	38.6	4.03	1	A
Aroclor 1262	ND		ug/kg	38.6	3.18	1	A
Aroclor 1268	ND		ug/kg	38.6	2.74	1	A
PCBs, Total	ND		ug/kg	38.6	2.74	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	87		30-150	A
Decachlorobiphenyl	67		30-150	A
2,4,5,6-Tetrachloro-m-xylene	90		30-150	B
Decachlorobiphenyl	69		30-150	B

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L1819490  
**Report Date:** 06/04/18

**SAMPLE RESULTS**

Lab ID: L1819490-07  
 Client ID: SB05\_5-6  
 Sample Location: 268 W. 96TH STREET

Date Collected: 05/25/18 11:30  
 Date Received: 05/25/18  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8082A  
 Analytical Date: 06/03/18 03:47  
 Analyst: KB  
 Percent Solids: 91%

Extraction Method: EPA 3546  
 Extraction Date: 05/30/18 00:20  
 Cleanup Method: EPA 3665A  
 Cleanup Date: 05/31/18  
 Cleanup Method: EPA 3660B  
 Cleanup Date: 05/31/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Polychlorinated Biphenyls by GC - Westborough Lab</b>							
Aroclor 1016	ND		ug/kg	36.2	4.11	1	A
Aroclor 1221	ND		ug/kg	36.2	5.52	1	A
Aroclor 1232	ND		ug/kg	36.2	3.57	1	A
Aroclor 1242	ND		ug/kg	36.2	4.44	1	A
Aroclor 1248	ND		ug/kg	36.2	4.07	1	A
Aroclor 1254	ND		ug/kg	36.2	2.96	1	A
Aroclor 1260	ND		ug/kg	36.2	3.78	1	A
Aroclor 1262	ND		ug/kg	36.2	2.98	1	A
Aroclor 1268	ND		ug/kg	36.2	2.57	1	A
PCBs, Total	ND		ug/kg	36.2	2.57	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	83		30-150	A
Decachlorobiphenyl	61		30-150	A
2,4,5,6-Tetrachloro-m-xylene	85		30-150	B
Decachlorobiphenyl	69		30-150	B

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L1819490  
**Report Date:** 06/04/18

**Method Blank Analysis  
Batch Quality Control**

**Analytical Method:** 1,8082A  
**Analytical Date:** 05/30/18 09:40  
**Analyst:** WR

**Extraction Method:** EPA 3546  
**Extraction Date:** 05/30/18 00:10  
**Cleanup Method:** EPA 3665A  
**Cleanup Date:** 05/30/18  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 05/30/18

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-07 Batch: WG1120421-1						
Aroclor 1016	ND		ug/kg	31.4	3.56	A
Aroclor 1221	ND		ug/kg	31.4	4.78	A
Aroclor 1232	ND		ug/kg	31.4	3.09	A
Aroclor 1242	ND		ug/kg	31.4	3.84	A
Aroclor 1248	ND		ug/kg	31.4	3.52	A
Aroclor 1254	ND		ug/kg	31.4	2.56	A
Aroclor 1260	ND		ug/kg	31.4	3.28	A
Aroclor 1262	ND		ug/kg	31.4	2.58	A
Aroclor 1268	ND		ug/kg	31.4	2.22	A
PCBs, Total	ND		ug/kg	31.4	2.22	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	105		30-150	A
Decachlorobiphenyl	74		30-150	A
2,4,5,6-Tetrachloro-m-xylene	118		30-150	B
Decachlorobiphenyl	97		30-150	B

### Lab Control Sample Analysis Batch Quality Control

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L1819490  
**Report Date:** 06/04/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-07 Batch: WG1120421-2 WG1120421-3									
Aroclor 1016	90		93		40-140	3		50	A
Aroclor 1260	77		81		40-140	5		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	104		108		30-150	A
Decachlorobiphenyl	83		79		30-150	A
2,4,5,6-Tetrachloro-m-xylene	110		120		30-150	B
Decachlorobiphenyl	94		99		30-150	B



# PESTICIDES

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L1819490  
**Report Date:** 06/04/18

**SAMPLE RESULTS**

**Lab ID:** L1819490-01  
**Client ID:** SB01\_0.5-1.5  
**Sample Location:** 268 W. 96TH STREET

**Date Collected:** 05/25/18 11:00  
**Date Received:** 05/25/18  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8081B  
**Analytical Date:** 06/01/18 20:42  
**Analyst:** KEG  
**Percent Solids:** 92%

**Extraction Method:** EPA 3546  
**Extraction Date:** 05/30/18 00:27  
**Cleanup Method:** EPA 3620B  
**Cleanup Date:** 05/31/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Organochlorine Pesticides by GC - Westborough Lab</b>							
Delta-BHC	ND		ug/kg	1.70	0.332	1	A
Lindane	ND		ug/kg	0.707	0.316	1	A
Alpha-BHC	ND		ug/kg	0.707	0.201	1	A
Beta-BHC	ND		ug/kg	1.70	0.643	1	A
Heptachlor	ND		ug/kg	0.848	0.380	1	A
Aldrin	ND		ug/kg	1.70	0.597	1	A
Heptachlor epoxide	ND		ug/kg	3.18	0.954	1	A
Endrin	ND		ug/kg	0.707	0.290	1	A
Endrin aldehyde	ND		ug/kg	2.12	0.742	1	A
Endrin ketone	ND		ug/kg	1.70	0.437	1	A
Dieldrin	ND		ug/kg	1.06	0.530	1	A
4,4'-DDE	2.86		ug/kg	1.70	0.392	1	B
4,4'-DDD	ND		ug/kg	1.70	0.605	1	A
4,4'-DDT	14.0		ug/kg	3.18	1.36	1	B
Endosulfan I	ND		ug/kg	1.70	0.401	1	A
Endosulfan II	1.64	J	ug/kg	1.70	0.567	1	B
Endosulfan sulfate	ND		ug/kg	0.707	0.336	1	A
Methoxychlor	ND		ug/kg	3.18	0.989	1	A
Toxaphene	ND		ug/kg	31.8	8.90	1	A
cis-Chlordane	3.53		ug/kg	2.12	0.591	1	B
trans-Chlordane	3.41	PI	ug/kg	2.12	0.560	1	A
Chlordane	ND		ug/kg	13.8	5.62	1	A

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L1819490  
**Report Date:** 06/04/18

**SAMPLE RESULTS**

Lab ID: L1819490-01  
 Client ID: SB01\_0.5-1.5  
 Sample Location: 268 W. 96TH STREET

Date Collected: 05/25/18 11:00  
 Date Received: 05/25/18  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		30-150	B
Decachlorobiphenyl	101		30-150	B
2,4,5,6-Tetrachloro-m-xylene	74		30-150	A
Decachlorobiphenyl	70		30-150	A

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L1819490  
**Report Date:** 06/04/18

**SAMPLE RESULTS**

**Lab ID:** L1819490-02  
**Client ID:** SB01\_6-7  
**Sample Location:** 268 W. 96TH STREET

**Date Collected:** 05/25/18 11:05  
**Date Received:** 05/25/18  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8081B  
**Analytical Date:** 06/01/18 20:30  
**Analyst:** KEG  
**Percent Solids:** 84%

**Extraction Method:** EPA 3546  
**Extraction Date:** 05/30/18 00:27  
**Cleanup Method:** EPA 3620B  
**Cleanup Date:** 05/31/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Organochlorine Pesticides by GC - Westborough Lab</b>							
Delta-BHC	ND		ug/kg	1.85	0.363	1	A
Lindane	ND		ug/kg	0.772	0.345	1	A
Alpha-BHC	ND		ug/kg	0.772	0.219	1	A
Beta-BHC	ND		ug/kg	1.85	0.702	1	A
Heptachlor	ND		ug/kg	0.926	0.415	1	A
Aldrin	ND		ug/kg	1.85	0.652	1	A
Heptachlor epoxide	ND		ug/kg	3.47	1.04	1	A
Endrin	ND		ug/kg	0.772	0.316	1	A
Endrin aldehyde	ND		ug/kg	2.32	0.810	1	A
Endrin ketone	ND		ug/kg	1.85	0.477	1	A
Dieldrin	ND		ug/kg	1.16	0.579	1	A
4,4'-DDE	1.17	J	ug/kg	1.85	0.428	1	A
4,4'-DDD	ND		ug/kg	1.85	0.661	1	A
4,4'-DDT	1.89	J	ug/kg	3.47	1.49	1	A
Endosulfan I	ND		ug/kg	1.85	0.438	1	A
Endosulfan II	ND		ug/kg	1.85	0.619	1	A
Endosulfan sulfate	ND		ug/kg	0.772	0.367	1	A
Methoxychlor	ND		ug/kg	3.47	1.08	1	A
Toxaphene	ND		ug/kg	34.7	9.72	1	A
cis-Chlordane	ND		ug/kg	2.32	0.645	1	A
trans-Chlordane	ND		ug/kg	2.32	0.611	1	A
Chlordane	ND		ug/kg	15.0	6.14	1	A

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L1819490  
**Report Date:** 06/04/18

**SAMPLE RESULTS**

Lab ID: L1819490-02  
 Client ID: SB01\_6-7  
 Sample Location: 268 W. 96TH STREET

Date Collected: 05/25/18 11:05  
 Date Received: 05/25/18  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	87		30-150	B
Decachlorobiphenyl	85		30-150	B
2,4,5,6-Tetrachloro-m-xylene	137		30-150	A
Decachlorobiphenyl	67		30-150	A

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L1819490  
**Report Date:** 06/04/18

**SAMPLE RESULTS**

**Lab ID:** L1819490-03  
**Client ID:** SB02\_0.5-1.5  
**Sample Location:** 268 W. 96TH STREET

**Date Collected:** 05/25/18 12:50  
**Date Received:** 05/25/18  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8081B  
**Analytical Date:** 06/01/18 20:17  
**Analyst:** DGM  
**Percent Solids:** 90%

**Extraction Method:** EPA 3546  
**Extraction Date:** 05/30/18 00:27  
**Cleanup Method:** EPA 3620B  
**Cleanup Date:** 05/31/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Organochlorine Pesticides by GC - Westborough Lab</b>							
Delta-BHC	ND		ug/kg	1.76	0.345	1	A
Lindane	ND		ug/kg	0.735	0.328	1	A
Alpha-BHC	ND		ug/kg	0.735	0.209	1	A
Beta-BHC	ND		ug/kg	1.76	0.668	1	A
Heptachlor	ND		ug/kg	0.882	0.395	1	A
Aldrin	ND		ug/kg	1.76	0.621	1	A
Heptachlor epoxide	ND		ug/kg	3.31	0.992	1	A
Endrin	ND		ug/kg	0.735	0.301	1	A
Endrin aldehyde	ND		ug/kg	2.20	0.771	1	A
Endrin ketone	ND		ug/kg	1.76	0.454	1	A
Dieldrin	ND		ug/kg	1.10	0.551	1	A
4,4'-DDE	ND		ug/kg	1.76	0.408	1	A
4,4'-DDD	ND		ug/kg	1.76	0.629	1	A
4,4'-DDT	ND		ug/kg	3.31	1.42	1	A
Endosulfan I	ND		ug/kg	1.76	0.416	1	A
Endosulfan II	3.31		ug/kg	1.76	0.589	1	B
Endosulfan sulfate	ND		ug/kg	0.735	0.350	1	A
Methoxychlor	ND		ug/kg	3.31	1.03	1	A
Toxaphene	ND		ug/kg	33.1	9.26	1	A
cis-Chlordane	ND		ug/kg	2.20	0.614	1	A
trans-Chlordane	ND		ug/kg	2.20	0.582	1	A
Chlordane	ND		ug/kg	14.3	5.84	1	A

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L1819490  
**Report Date:** 06/04/18

**SAMPLE RESULTS**

Lab ID: L1819490-03  
 Client ID: SB02\_0.5-1.5  
 Sample Location: 268 W. 96TH STREET

Date Collected: 05/25/18 12:50  
 Date Received: 05/25/18  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	78		30-150	B
Decachlorobiphenyl	109		30-150	B
2,4,5,6-Tetrachloro-m-xylene	71		30-150	A
Decachlorobiphenyl	88		30-150	A

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L1819490  
**Report Date:** 06/04/18

**SAMPLE RESULTS**

Lab ID: L1819490-04 D  
 Client ID: SB02\_4.5-5.5  
 Sample Location: 268 W. 96TH STREET

Date Collected: 05/25/18 12:55  
 Date Received: 05/25/18  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8081B  
 Analytical Date: 06/01/18 20:55  
 Analyst: KEG  
 Percent Solids: 86%

Extraction Method: EPA 3546  
 Extraction Date: 05/30/18 00:27  
 Cleanup Method: EPA 3620B  
 Cleanup Date: 05/31/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Organochlorine Pesticides by GC - Westborough Lab</b>							
Delta-BHC	ND		ug/kg	36.8	7.22	20	A
Lindane	ND		ug/kg	15.4	6.86	20	A
Alpha-BHC	ND		ug/kg	15.4	4.36	20	A
Beta-BHC	ND		ug/kg	36.8	14.0	20	A
Heptachlor	ND		ug/kg	18.4	8.26	20	A
Aldrin	ND		ug/kg	36.8	13.0	20	A
Heptachlor epoxide	ND		ug/kg	69.1	20.7	20	A
Endrin	ND		ug/kg	15.4	6.29	20	A
Endrin aldehyde	ND		ug/kg	46.0	16.1	20	A
Endrin ketone	ND		ug/kg	36.8	9.49	20	A
Dieldrin	ND		ug/kg	23.0	11.5	20	A
4,4'-DDE	ND		ug/kg	36.8	8.52	20	A
4,4'-DDD	ND		ug/kg	36.8	13.1	20	A
4,4'-DDT	ND		ug/kg	69.1	29.6	20	A
Endosulfan I	ND		ug/kg	36.8	8.70	20	A
Endosulfan II	124	PI	ug/kg	36.8	12.3	20	A
Endosulfan sulfate	ND		ug/kg	15.4	7.31	20	A
Methoxychlor	ND		ug/kg	69.1	21.5	20	A
Toxaphene	ND		ug/kg	691	193.	20	A
cis-Chlordane	ND		ug/kg	46.0	12.8	20	A
trans-Chlordane	ND		ug/kg	46.0	12.2	20	A
Chlordane	ND		ug/kg	299	122.	20	A



**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L1819490  
**Report Date:** 06/04/18

**SAMPLE RESULTS**

Lab ID: L1819490-04 D  
 Client ID: SB02\_4.5-5.5  
 Sample Location: 268 W. 96TH STREET

Date Collected: 05/25/18 12:55  
 Date Received: 05/25/18  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	0	Q	30-150	B
Decachlorobiphenyl	0	Q	30-150	B
2,4,5,6-Tetrachloro-m-xylene	0	Q	30-150	A
Decachlorobiphenyl	0	Q	30-150	A

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L1819490  
**Report Date:** 06/04/18

**SAMPLE RESULTS**

**Lab ID:** L1819490-05  
**Client ID:** SB02\_11-12  
**Sample Location:** 268 W. 96TH STREET

**Date Collected:** 05/25/18 13:10  
**Date Received:** 05/25/18  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8081B  
**Analytical Date:** 06/01/18 20:04  
**Analyst:** KEG  
**Percent Solids:** 90%

**Extraction Method:** EPA 3546  
**Extraction Date:** 05/30/18 00:27  
**Cleanup Method:** EPA 3620B  
**Cleanup Date:** 05/31/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Organochlorine Pesticides by GC - Westborough Lab</b>							
Delta-BHC	ND		ug/kg	1.72	0.336	1	A
Lindane	ND		ug/kg	0.715	0.320	1	A
Alpha-BHC	ND		ug/kg	0.715	0.203	1	A
Beta-BHC	ND		ug/kg	1.72	0.650	1	A
Heptachlor	ND		ug/kg	0.858	0.385	1	A
Aldrin	ND		ug/kg	1.72	0.604	1	A
Heptachlor epoxide	ND		ug/kg	3.22	0.965	1	A
Endrin	ND		ug/kg	0.715	0.293	1	A
Endrin aldehyde	ND		ug/kg	2.14	0.751	1	A
Endrin ketone	ND		ug/kg	1.72	0.442	1	A
Dieldrin	ND		ug/kg	1.07	0.536	1	A
4,4'-DDE	ND		ug/kg	1.72	0.397	1	A
4,4'-DDD	ND		ug/kg	1.72	0.612	1	A
4,4'-DDT	ND		ug/kg	3.22	1.38	1	A
Endosulfan I	ND		ug/kg	1.72	0.405	1	A
Endosulfan II	ND		ug/kg	1.72	0.573	1	A
Endosulfan sulfate	ND		ug/kg	0.715	0.340	1	A
Methoxychlor	ND		ug/kg	3.22	1.00	1	A
Toxaphene	ND		ug/kg	32.2	9.01	1	A
cis-Chlordane	ND		ug/kg	2.14	0.598	1	A
trans-Chlordane	ND		ug/kg	2.14	0.566	1	A
Chlordane	ND		ug/kg	13.9	5.68	1	A

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L1819490  
**Report Date:** 06/04/18

**SAMPLE RESULTS**

Lab ID: L1819490-05  
 Client ID: SB02\_11-12  
 Sample Location: 268 W. 96TH STREET

Date Collected: 05/25/18 13:10  
 Date Received: 05/25/18  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	87		30-150	B
Decachlorobiphenyl	94		30-150	B
2,4,5,6-Tetrachloro-m-xylene	78		30-150	A
Decachlorobiphenyl	77		30-150	A

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L1819490  
**Report Date:** 06/04/18

**SAMPLE RESULTS**

Lab ID: L1819490-06  
 Client ID: SB05\_0.5-1.5  
 Sample Location: 268 W. 96TH STREET

Date Collected: 05/25/18 11:35  
 Date Received: 05/25/18  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8081B  
 Analytical Date: 06/01/18 19:39  
 Analyst: KEG  
 Percent Solids: 85%

Extraction Method: EPA 3546  
 Extraction Date: 05/30/18 00:27  
 Cleanup Method: EPA 3620B  
 Cleanup Date: 05/31/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Organochlorine Pesticides by GC - Westborough Lab</b>							
Delta-BHC	ND		ug/kg	1.84	0.359	1	A
Lindane	ND		ug/kg	0.765	0.342	1	A
Alpha-BHC	ND		ug/kg	0.765	0.217	1	A
Beta-BHC	ND		ug/kg	1.84	0.696	1	A
Heptachlor	ND		ug/kg	0.918	0.411	1	A
Aldrin	ND		ug/kg	1.84	0.646	1	A
Heptachlor epoxide	ND		ug/kg	3.44	1.03	1	A
Endrin	ND		ug/kg	0.765	0.314	1	A
Endrin aldehyde	ND		ug/kg	2.29	0.803	1	A
Endrin ketone	ND		ug/kg	1.84	0.473	1	A
Dieldrin	ND		ug/kg	1.15	0.574	1	A
4,4'-DDE	ND		ug/kg	1.84	0.424	1	A
4,4'-DDD	ND		ug/kg	1.84	0.655	1	A
4,4'-DDT	ND		ug/kg	3.44	1.48	1	A
Endosulfan I	ND		ug/kg	1.84	0.434	1	A
Endosulfan II	ND		ug/kg	1.84	0.613	1	A
Endosulfan sulfate	ND		ug/kg	0.765	0.364	1	A
Methoxychlor	ND		ug/kg	3.44	1.07	1	A
Toxaphene	ND		ug/kg	34.4	9.64	1	A
cis-Chlordane	ND		ug/kg	2.29	0.639	1	A
trans-Chlordane	ND		ug/kg	2.29	0.606	1	A
Chlordane	ND		ug/kg	14.9	6.08	1	A

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L1819490  
**Report Date:** 06/04/18

**SAMPLE RESULTS**

Lab ID: L1819490-06  
 Client ID: SB05\_0.5-1.5  
 Sample Location: 268 W. 96TH STREET

Date Collected: 05/25/18 11:35  
 Date Received: 05/25/18  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	83		30-150	B
Decachlorobiphenyl	89		30-150	B
2,4,5,6-Tetrachloro-m-xylene	74		30-150	A
Decachlorobiphenyl	67		30-150	A

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L1819490  
**Report Date:** 06/04/18

**SAMPLE RESULTS**

**Lab ID:** L1819490-07  
**Client ID:** SB05\_5-6  
**Sample Location:** 268 W. 96TH STREET

**Date Collected:** 05/25/18 11:30  
**Date Received:** 05/25/18  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8081B  
**Analytical Date:** 06/01/18 19:52  
**Analyst:** KEG  
**Percent Solids:** 91%

**Extraction Method:** EPA 3546  
**Extraction Date:** 05/30/18 00:27  
**Cleanup Method:** EPA 3620B  
**Cleanup Date:** 05/31/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Organochlorine Pesticides by GC - Westborough Lab</b>							
Delta-BHC	ND		ug/kg	1.68	0.329	1	A
Lindane	ND		ug/kg	0.700	0.313	1	A
Alpha-BHC	ND		ug/kg	0.700	0.199	1	A
Beta-BHC	ND		ug/kg	1.68	0.637	1	A
Heptachlor	ND		ug/kg	0.840	0.377	1	A
Aldrin	ND		ug/kg	1.68	0.592	1	A
Heptachlor epoxide	ND		ug/kg	3.15	0.946	1	A
Endrin	ND		ug/kg	0.700	0.287	1	A
Endrin aldehyde	ND		ug/kg	2.10	0.735	1	A
Endrin ketone	ND		ug/kg	1.68	0.433	1	A
Dieldrin	ND		ug/kg	1.05	0.525	1	A
4,4'-DDE	1.16	J	ug/kg	1.68	0.389	1	A
4,4'-DDD	ND		ug/kg	1.68	0.600	1	A
4,4'-DDT	1.62	J	ug/kg	3.15	1.35	1	A
Endosulfan I	ND		ug/kg	1.68	0.397	1	A
Endosulfan II	ND		ug/kg	1.68	0.562	1	A
Endosulfan sulfate	ND		ug/kg	0.700	0.333	1	A
Methoxychlor	ND		ug/kg	3.15	0.980	1	A
Toxaphene	ND		ug/kg	31.5	8.82	1	A
cis-Chlordane	ND		ug/kg	2.10	0.586	1	A
trans-Chlordane	ND		ug/kg	2.10	0.555	1	A
Chlordane	ND		ug/kg	13.6	5.57	1	A

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L1819490  
**Report Date:** 06/04/18

**SAMPLE RESULTS**

Lab ID: L1819490-07  
 Client ID: SB05\_5-6  
 Sample Location: 268 W. 96TH STREET

Date Collected: 05/25/18 11:30  
 Date Received: 05/25/18  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		30-150	B
Decachlorobiphenyl	79		30-150	B
2,4,5,6-Tetrachloro-m-xylene	65		30-150	A
Decachlorobiphenyl	67		30-150	A

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L1819490  
**Report Date:** 06/04/18

**Method Blank Analysis**  
**Batch Quality Control**

**Analytical Method:** 1,8081B  
**Analytical Date:** 05/31/18 13:33  
**Analyst:** JW

**Extraction Method:** EPA 3546  
**Extraction Date:** 05/29/18 10:21  
**Cleanup Method:** EPA 3620B  
**Cleanup Date:** 05/30/18

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-07 Batch: WG1120199-1						
Delta-BHC	ND		ug/kg	1.53	0.299	A
Lindane	ND		ug/kg	0.636	0.284	A
Alpha-BHC	ND		ug/kg	0.636	0.181	A
Beta-BHC	ND		ug/kg	1.53	0.579	A
Heptachlor	ND		ug/kg	0.763	0.342	A
Aldrin	ND		ug/kg	1.53	0.538	A
Heptachlor epoxide	ND		ug/kg	2.86	0.859	A
Endrin	ND		ug/kg	0.636	0.261	A
Endrin aldehyde	ND		ug/kg	1.91	0.668	A
Endrin ketone	ND		ug/kg	1.53	0.393	A
Dieldrin	ND		ug/kg	0.954	0.477	A
4,4'-DDE	ND		ug/kg	1.53	0.353	A
4,4'-DDD	ND		ug/kg	1.53	0.544	A
4,4'-DDT	ND		ug/kg	2.86	1.23	A
Endosulfan I	ND		ug/kg	1.53	0.361	A
Endosulfan II	ND		ug/kg	1.53	0.510	A
Endosulfan sulfate	ND		ug/kg	0.636	0.303	A
Methoxychlor	ND		ug/kg	2.86	0.890	A
Toxaphene	ND		ug/kg	28.6	8.02	A
cis-Chlordane	ND		ug/kg	1.91	0.532	A
trans-Chlordane	ND		ug/kg	1.91	0.504	A
Chlordane	ND		ug/kg	12.4	5.06	A



**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L1819490  
**Report Date:** 06/04/18

**Method Blank Analysis  
 Batch Quality Control**

Analytical Method: 1,8081B  
 Analytical Date: 05/31/18 13:33  
 Analyst: JW

Extraction Method: EPA 3546  
 Extraction Date: 05/29/18 10:21  
 Cleanup Method: EPA 3620B  
 Cleanup Date: 05/30/18

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-07 Batch: WG1120199-1						

Surrogate	%Recovery	Qualifier	Acceptance	
			Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	106		30-150	B
Decachlorobiphenyl	175	Q	30-150	B
2,4,5,6-Tetrachloro-m-xylene	115		30-150	A
Decachlorobiphenyl	195	Q	30-150	A

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 266-270 W. 96TH STREET

Lab Number: L1819490

Project Number: 170432001

Report Date: 06/04/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-07 Batch: WG1120199-2 WG1120199-3									
Delta-BHC	98		102		30-150	4		30	A
Lindane	98		103		30-150	5		30	A
Alpha-BHC	100		105		30-150	5		30	A
Beta-BHC	116		124		30-150	7		30	A
Heptachlor	103		105		30-150	2		30	A
Aldrin	109		112		30-150	3		30	A
Heptachlor epoxide	125		119		30-150	5		30	A
Endrin	110		112		30-150	2		30	A
Endrin aldehyde	119		117		30-150	2		30	A
Endrin ketone	135		133		30-150	1		30	A
Dieldrin	120		123		30-150	2		30	A
4,4'-DDE	111		113		30-150	2		30	A
4,4'-DDD	117		117		30-150	0		30	A
4,4'-DDT	121		125		30-150	3		30	A
Endosulfan I	112		114		30-150	2		30	A
Endosulfan II	121		122		30-150	1		30	A
Endosulfan sulfate	149		145		30-150	3		30	A
Methoxychlor	111		113		30-150	2		30	A
cis-Chlordane	102		104		30-150	2		30	A
trans-Chlordane	33		30		30-150	10		30	A

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 266-270 W. 96TH STREET

**Project Number:** 170432001

**Lab Number:** L1819490

**Report Date:** 06/04/18

Parameter	<i>LCS</i> %Recovery	<i>Qual</i>	<i>LCSD</i> %Recovery	<i>Qual</i>	<i>%Recovery</i> Limits	<i>RPD</i>	<i>Qual</i>	<i>RPD</i> Limits
-----------	-------------------------	-------------	--------------------------	-------------	----------------------------	------------	-------------	----------------------

Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-07 Batch: WG1120199-2 WG1120199-3

<i>Surrogate</i>	<i>LCS</i> %Recovery	<i>Qual</i>	<i>LCSD</i> %Recovery	<i>Qual</i>	<i>Acceptance</i> Criteria	<i>Column</i>
2,4,5,6-Tetrachloro-m-xylene	84		87		30-150	B
Decachlorobiphenyl	147		155	Q	30-150	B
2,4,5,6-Tetrachloro-m-xylene	92		97		30-150	A
Decachlorobiphenyl	128		149		30-150	A

## METALS

Project Name: 266-270 W. 96TH STREET

Lab Number: L1819490

Project Number: 170432001

Report Date: 06/04/18

## SAMPLE RESULTS

Lab ID: L1819490-01

Date Collected: 05/25/18 11:00

Client ID: SB01\_0.5-1.5

Date Received: 05/25/18

Sample Location: 268 W. 96TH STREET

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Aluminum, Total	7310		mg/kg	8.23	2.22	2	06/01/18 13:40	06/02/18 11:25	EPA 3050B	1,6010C	PE
Antimony, Total	1.49	J	mg/kg	4.11	0.313	2	06/01/18 13:40	06/02/18 11:25	EPA 3050B	1,6010C	PE
Arsenic, Total	3.32		mg/kg	0.823	0.171	2	06/01/18 13:40	06/02/18 11:25	EPA 3050B	1,6010C	PE
Barium, Total	47.3		mg/kg	0.823	0.143	2	06/01/18 13:40	06/02/18 11:25	EPA 3050B	1,6010C	PE
Beryllium, Total	0.230	J	mg/kg	0.411	0.027	2	06/01/18 13:40	06/02/18 11:25	EPA 3050B	1,6010C	PE
Cadmium, Total	ND		mg/kg	0.823	0.081	2	06/01/18 13:40	06/02/18 11:25	EPA 3050B	1,6010C	PE
Calcium, Total	35900		mg/kg	8.23	2.88	2	06/01/18 13:40	06/02/18 11:25	EPA 3050B	1,6010C	PE
Chromium, Total	11.3		mg/kg	0.823	0.079	2	06/01/18 13:40	06/02/18 11:25	EPA 3050B	1,6010C	PE
Cobalt, Total	5.16		mg/kg	1.64	0.136	2	06/01/18 13:40	06/02/18 11:25	EPA 3050B	1,6010C	PE
Copper, Total	27.1		mg/kg	0.823	0.212	2	06/01/18 13:40	06/02/18 11:25	EPA 3050B	1,6010C	PE
Iron, Total	12200		mg/kg	4.11	0.743	2	06/01/18 13:40	06/02/18 11:25	EPA 3050B	1,6010C	PE
Lead, Total	29.2		mg/kg	4.11	0.220	2	06/01/18 13:40	06/02/18 11:25	EPA 3050B	1,6010C	PE
Magnesium, Total	6780		mg/kg	8.23	1.27	2	06/01/18 13:40	06/02/18 11:25	EPA 3050B	1,6010C	PE
Manganese, Total	379		mg/kg	0.823	0.131	2	06/01/18 13:40	06/02/18 11:25	EPA 3050B	1,6010C	PE
Mercury, Total	0.087		mg/kg	0.070	0.015	1	05/31/18 08:00	05/31/18 18:12	EPA 7471B	1,7471B	EA
Nickel, Total	12.3		mg/kg	2.06	0.199	2	06/01/18 13:40	06/02/18 11:25	EPA 3050B	1,6010C	PE
Potassium, Total	1150		mg/kg	206	11.8	2	06/01/18 13:40	06/02/18 11:25	EPA 3050B	1,6010C	PE
Selenium, Total	1.09	J	mg/kg	1.64	0.212	2	06/01/18 13:40	06/02/18 11:25	EPA 3050B	1,6010C	PE
Silver, Total	ND		mg/kg	0.823	0.233	2	06/01/18 13:40	06/02/18 11:25	EPA 3050B	1,6010C	PE
Sodium, Total	383		mg/kg	164	2.59	2	06/01/18 13:40	06/02/18 11:25	EPA 3050B	1,6010C	PE
Thallium, Total	ND		mg/kg	1.64	0.259	2	06/01/18 13:40	06/02/18 11:25	EPA 3050B	1,6010C	PE
Vanadium, Total	15.4		mg/kg	0.823	0.167	2	06/01/18 13:40	06/02/18 11:25	EPA 3050B	1,6010C	PE
Zinc, Total	50.2		mg/kg	4.11	0.241	2	06/01/18 13:40	06/02/18 11:25	EPA 3050B	1,6010C	PE
<b>General Chemistry - Mansfield Lab</b>											
Chromium, Trivalent	11		mg/kg	0.87	0.87	1		06/02/18 11:25	NA	107,-	



Project Name: 266-270 W. 96TH STREET

Lab Number: L1819490

Project Number: 170432001

Report Date: 06/04/18

## SAMPLE RESULTS

Lab ID: L1819490-02

Date Collected: 05/25/18 11:05

Client ID: SB01\_6-7

Date Received: 05/25/18

Sample Location: 268 W. 96TH STREET

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 84%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Aluminum, Total	11500		mg/kg	9.40	2.54	2	06/01/18 13:40	06/02/18 11:29	EPA 3050B	1,6010C	PE
Antimony, Total	1.96	J	mg/kg	4.70	0.357	2	06/01/18 13:40	06/02/18 11:29	EPA 3050B	1,6010C	PE
Arsenic, Total	3.31		mg/kg	0.940	0.195	2	06/01/18 13:40	06/02/18 11:29	EPA 3050B	1,6010C	PE
Barium, Total	38.2		mg/kg	0.940	0.163	2	06/01/18 13:40	06/02/18 11:29	EPA 3050B	1,6010C	PE
Beryllium, Total	0.301	J	mg/kg	0.470	0.031	2	06/01/18 13:40	06/02/18 11:29	EPA 3050B	1,6010C	PE
Cadmium, Total	ND		mg/kg	0.940	0.092	2	06/01/18 13:40	06/02/18 11:29	EPA 3050B	1,6010C	PE
Calcium, Total	1070		mg/kg	9.40	3.29	2	06/01/18 13:40	06/02/18 11:29	EPA 3050B	1,6010C	PE
Chromium, Total	22.9		mg/kg	0.940	0.090	2	06/01/18 13:40	06/02/18 11:29	EPA 3050B	1,6010C	PE
Cobalt, Total	8.53		mg/kg	1.88	0.156	2	06/01/18 13:40	06/02/18 11:29	EPA 3050B	1,6010C	PE
Copper, Total	15.4		mg/kg	0.940	0.242	2	06/01/18 13:40	06/02/18 11:29	EPA 3050B	1,6010C	PE
Iron, Total	19300		mg/kg	4.70	0.848	2	06/01/18 13:40	06/02/18 11:29	EPA 3050B	1,6010C	PE
Lead, Total	10.7		mg/kg	4.70	0.252	2	06/01/18 13:40	06/02/18 11:29	EPA 3050B	1,6010C	PE
Magnesium, Total	3440		mg/kg	9.40	1.45	2	06/01/18 13:40	06/02/18 11:29	EPA 3050B	1,6010C	PE
Manganese, Total	431		mg/kg	0.940	0.149	2	06/01/18 13:40	06/02/18 11:29	EPA 3050B	1,6010C	PE
Mercury, Total	0.022	J	mg/kg	0.074	0.016	1	05/31/18 08:00	05/31/18 18:14	EPA 7471B	1,7471B	EA
Nickel, Total	15.5		mg/kg	2.35	0.227	2	06/01/18 13:40	06/02/18 11:29	EPA 3050B	1,6010C	PE
Potassium, Total	1070		mg/kg	235	13.5	2	06/01/18 13:40	06/02/18 11:29	EPA 3050B	1,6010C	PE
Selenium, Total	1.28	J	mg/kg	1.88	0.242	2	06/01/18 13:40	06/02/18 11:29	EPA 3050B	1,6010C	PE
Silver, Total	ND		mg/kg	0.940	0.266	2	06/01/18 13:40	06/02/18 11:29	EPA 3050B	1,6010C	PE
Sodium, Total	424		mg/kg	188	2.96	2	06/01/18 13:40	06/02/18 11:29	EPA 3050B	1,6010C	PE
Thallium, Total	ND		mg/kg	1.88	0.296	2	06/01/18 13:40	06/02/18 11:29	EPA 3050B	1,6010C	PE
Vanadium, Total	30.6		mg/kg	0.940	0.191	2	06/01/18 13:40	06/02/18 11:29	EPA 3050B	1,6010C	PE
Zinc, Total	34.5		mg/kg	4.70	0.275	2	06/01/18 13:40	06/02/18 11:29	EPA 3050B	1,6010C	PE
<b>General Chemistry - Mansfield Lab</b>											
Chromium, Trivalent	23		mg/kg	0.95	0.95	1		06/02/18 11:29	NA	107,-	



Project Name: 266-270 W. 96TH STREET

Lab Number: L1819490

Project Number: 170432001

Report Date: 06/04/18

## SAMPLE RESULTS

Lab ID: L1819490-03

Date Collected: 05/25/18 12:50

Client ID: SB02\_0.5-1.5

Date Received: 05/25/18

Sample Location: 268 W. 96TH STREET

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Aluminum, Total	7370		mg/kg	8.72	2.36	2	06/01/18 13:40	06/02/18 11:34	EPA 3050B	1,6010C	PE
Antimony, Total	2.29	J	mg/kg	4.36	0.332	2	06/01/18 13:40	06/02/18 11:34	EPA 3050B	1,6010C	PE
Arsenic, Total	9.14		mg/kg	0.872	0.181	2	06/01/18 13:40	06/02/18 11:34	EPA 3050B	1,6010C	PE
Barium, Total	132		mg/kg	0.872	0.152	2	06/01/18 13:40	06/02/18 11:34	EPA 3050B	1,6010C	PE
Beryllium, Total	0.209	J	mg/kg	0.436	0.029	2	06/01/18 13:40	06/02/18 11:34	EPA 3050B	1,6010C	PE
Cadmium, Total	0.314	J	mg/kg	0.872	0.086	2	06/01/18 13:40	06/02/18 11:34	EPA 3050B	1,6010C	PE
Calcium, Total	13500		mg/kg	8.72	3.05	2	06/01/18 13:40	06/02/18 11:34	EPA 3050B	1,6010C	PE
Chromium, Total	15.3		mg/kg	0.872	0.084	2	06/01/18 13:40	06/02/18 11:34	EPA 3050B	1,6010C	PE
Cobalt, Total	7.35		mg/kg	1.74	0.145	2	06/01/18 13:40	06/02/18 11:34	EPA 3050B	1,6010C	PE
Copper, Total	55.7		mg/kg	0.872	0.225	2	06/01/18 13:40	06/02/18 11:34	EPA 3050B	1,6010C	PE
Iron, Total	15300		mg/kg	4.36	0.788	2	06/01/18 13:40	06/02/18 11:34	EPA 3050B	1,6010C	PE
Lead, Total	201		mg/kg	4.36	0.234	2	06/01/18 13:40	06/02/18 11:34	EPA 3050B	1,6010C	PE
Magnesium, Total	4430		mg/kg	8.72	1.34	2	06/01/18 13:40	06/02/18 11:34	EPA 3050B	1,6010C	PE
Manganese, Total	284		mg/kg	0.872	0.139	2	06/01/18 13:40	06/02/18 11:34	EPA 3050B	1,6010C	PE
Mercury, Total	0.299		mg/kg	0.070	0.015	1	05/31/18 08:00	05/31/18 18:16	EPA 7471B	1,7471B	EA
Nickel, Total	16.8		mg/kg	2.18	0.211	2	06/01/18 13:40	06/02/18 11:34	EPA 3050B	1,6010C	PE
Potassium, Total	1570		mg/kg	218	12.6	2	06/01/18 13:40	06/02/18 11:34	EPA 3050B	1,6010C	PE
Selenium, Total	1.34	J	mg/kg	1.74	0.225	2	06/01/18 13:40	06/02/18 11:34	EPA 3050B	1,6010C	PE
Silver, Total	ND		mg/kg	0.872	0.247	2	06/01/18 13:40	06/02/18 11:34	EPA 3050B	1,6010C	PE
Sodium, Total	82.1	J	mg/kg	174	2.75	2	06/01/18 13:40	06/02/18 11:34	EPA 3050B	1,6010C	PE
Thallium, Total	ND		mg/kg	1.74	0.275	2	06/01/18 13:40	06/02/18 11:34	EPA 3050B	1,6010C	PE
Vanadium, Total	20.1		mg/kg	0.872	0.177	2	06/01/18 13:40	06/02/18 11:34	EPA 3050B	1,6010C	PE
Zinc, Total	250		mg/kg	4.36	0.256	2	06/01/18 13:40	06/02/18 11:34	EPA 3050B	1,6010C	PE
<b>General Chemistry - Mansfield Lab</b>											
Chromium, Trivalent	15		mg/kg	0.89	0.89	1		06/02/18 11:34	NA	107,-	



Project Name: 266-270 W. 96TH STREET

Lab Number: L1819490

Project Number: 170432001

Report Date: 06/04/18

## SAMPLE RESULTS

Lab ID: L1819490-04

Date Collected: 05/25/18 12:55

Client ID: SB02\_4.5-5.5

Date Received: 05/25/18

Sample Location: 268 W. 96TH STREET

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Aluminum, Total	8230		mg/kg	9.08	2.45	2	06/01/18 13:40	06/02/18 11:39	EPA 3050B	1,6010C	PE
Antimony, Total	1.52	J	mg/kg	4.54	0.345	2	06/01/18 13:40	06/02/18 11:39	EPA 3050B	1,6010C	PE
Arsenic, Total	5.62		mg/kg	0.908	0.189	2	06/01/18 13:40	06/02/18 11:39	EPA 3050B	1,6010C	PE
Barium, Total	78.5		mg/kg	0.908	0.158	2	06/01/18 13:40	06/02/18 11:39	EPA 3050B	1,6010C	PE
Beryllium, Total	0.236	J	mg/kg	0.454	0.030	2	06/01/18 13:40	06/02/18 11:39	EPA 3050B	1,6010C	PE
Cadmium, Total	0.182	J	mg/kg	0.908	0.089	2	06/01/18 13:40	06/02/18 11:39	EPA 3050B	1,6010C	PE
Calcium, Total	5320		mg/kg	9.08	3.18	2	06/01/18 13:40	06/02/18 11:39	EPA 3050B	1,6010C	PE
Chromium, Total	16.1		mg/kg	0.908	0.087	2	06/01/18 13:40	06/02/18 11:39	EPA 3050B	1,6010C	PE
Cobalt, Total	6.87		mg/kg	1.82	0.151	2	06/01/18 13:40	06/02/18 11:39	EPA 3050B	1,6010C	PE
Copper, Total	34.6		mg/kg	0.908	0.234	2	06/01/18 13:40	06/02/18 11:39	EPA 3050B	1,6010C	PE
Iron, Total	18400		mg/kg	4.54	0.820	2	06/01/18 13:40	06/02/18 11:39	EPA 3050B	1,6010C	PE
Lead, Total	228		mg/kg	4.54	0.243	2	06/01/18 13:40	06/02/18 11:39	EPA 3050B	1,6010C	PE
Magnesium, Total	3440		mg/kg	9.08	1.40	2	06/01/18 13:40	06/02/18 11:39	EPA 3050B	1,6010C	PE
Manganese, Total	281		mg/kg	0.908	0.144	2	06/01/18 13:40	06/02/18 11:39	EPA 3050B	1,6010C	PE
Mercury, Total	0.753		mg/kg	0.073	0.015	1	05/31/18 08:00	05/31/18 18:18	EPA 7471B	1,7471B	EA
Nickel, Total	14.5		mg/kg	2.27	0.220	2	06/01/18 13:40	06/02/18 11:39	EPA 3050B	1,6010C	PE
Potassium, Total	1150		mg/kg	227	13.1	2	06/01/18 13:40	06/02/18 11:39	EPA 3050B	1,6010C	PE
Selenium, Total	1.26	J	mg/kg	1.82	0.234	2	06/01/18 13:40	06/02/18 11:39	EPA 3050B	1,6010C	PE
Silver, Total	ND		mg/kg	0.908	0.257	2	06/01/18 13:40	06/02/18 11:39	EPA 3050B	1,6010C	PE
Sodium, Total	57.1	J	mg/kg	182	2.86	2	06/01/18 13:40	06/02/18 11:39	EPA 3050B	1,6010C	PE
Thallium, Total	ND		mg/kg	1.82	0.286	2	06/01/18 13:40	06/02/18 11:39	EPA 3050B	1,6010C	PE
Vanadium, Total	18.8		mg/kg	0.908	0.184	2	06/01/18 13:40	06/02/18 11:39	EPA 3050B	1,6010C	PE
Zinc, Total	223		mg/kg	4.54	0.266	2	06/01/18 13:40	06/02/18 11:39	EPA 3050B	1,6010C	PE
<b>General Chemistry - Mansfield Lab</b>											
Chromium, Trivalent	16		mg/kg	0.93	0.93	1		06/02/18 11:39	NA	107,-	





Project Name: 266-270 W. 96TH STREET

Lab Number: L1819490

Project Number: 170432001

Report Date: 06/04/18

## SAMPLE RESULTS

Lab ID: L1819490-05

Date Collected: 05/25/18 13:10

Client ID: SB02\_11-12

Date Received: 05/25/18

Sample Location: 268 W. 96TH STREET

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Aluminum, Total	11700		mg/kg	8.75	2.36	2	06/01/18 13:40	06/02/18 11:43	EPA 3050B	1,6010C	PE
Antimony, Total	3.31	J	mg/kg	4.38	0.333	2	06/01/18 13:40	06/02/18 11:43	EPA 3050B	1,6010C	PE
Arsenic, Total	2.63		mg/kg	0.875	0.182	2	06/01/18 13:40	06/02/18 11:43	EPA 3050B	1,6010C	PE
Barium, Total	50.9		mg/kg	0.875	0.152	2	06/01/18 13:40	06/02/18 11:43	EPA 3050B	1,6010C	PE
Beryllium, Total	0.315	J	mg/kg	0.438	0.029	2	06/01/18 13:40	06/02/18 11:43	EPA 3050B	1,6010C	PE
Cadmium, Total	ND		mg/kg	0.875	0.086	2	06/01/18 13:40	06/02/18 11:43	EPA 3050B	1,6010C	PE
Calcium, Total	1070		mg/kg	8.75	3.06	2	06/01/18 13:40	06/02/18 11:43	EPA 3050B	1,6010C	PE
Chromium, Total	23.1		mg/kg	0.875	0.084	2	06/01/18 13:40	06/02/18 11:43	EPA 3050B	1,6010C	PE
Cobalt, Total	9.60		mg/kg	1.75	0.145	2	06/01/18 13:40	06/02/18 11:43	EPA 3050B	1,6010C	PE
Copper, Total	15.2		mg/kg	0.875	0.226	2	06/01/18 13:40	06/02/18 11:43	EPA 3050B	1,6010C	PE
Iron, Total	20400		mg/kg	4.38	0.790	2	06/01/18 13:40	06/02/18 11:43	EPA 3050B	1,6010C	PE
Lead, Total	8.19		mg/kg	4.38	0.235	2	06/01/18 13:40	06/02/18 11:43	EPA 3050B	1,6010C	PE
Magnesium, Total	4690		mg/kg	8.75	1.35	2	06/01/18 13:40	06/02/18 11:43	EPA 3050B	1,6010C	PE
Manganese, Total	214		mg/kg	0.875	0.139	2	06/01/18 13:40	06/02/18 11:43	EPA 3050B	1,6010C	PE
Mercury, Total	ND		mg/kg	0.070	0.015	1	05/31/18 08:00	05/31/18 18:19	EPA 7471B	1,7471B	EA
Nickel, Total	20.9		mg/kg	2.19	0.212	2	06/01/18 13:40	06/02/18 11:43	EPA 3050B	1,6010C	PE
Potassium, Total	1990		mg/kg	219	12.6	2	06/01/18 13:40	06/02/18 11:43	EPA 3050B	1,6010C	PE
Selenium, Total	1.08	J	mg/kg	1.75	0.226	2	06/01/18 13:40	06/02/18 11:43	EPA 3050B	1,6010C	PE
Silver, Total	ND		mg/kg	0.875	0.248	2	06/01/18 13:40	06/02/18 11:43	EPA 3050B	1,6010C	PE
Sodium, Total	80.2	J	mg/kg	175	2.76	2	06/01/18 13:40	06/02/18 11:43	EPA 3050B	1,6010C	PE
Thallium, Total	ND		mg/kg	1.75	0.276	2	06/01/18 13:40	06/02/18 11:43	EPA 3050B	1,6010C	PE
Vanadium, Total	38.7		mg/kg	0.875	0.178	2	06/01/18 13:40	06/02/18 11:43	EPA 3050B	1,6010C	PE
Zinc, Total	37.6		mg/kg	4.38	0.256	2	06/01/18 13:40	06/02/18 11:43	EPA 3050B	1,6010C	PE
<b>General Chemistry - Mansfield Lab</b>											
Chromium, Trivalent	23		mg/kg	0.89	0.89	1		06/02/18 11:43	NA	107,-	



Project Name: 266-270 W. 96TH STREET

Lab Number: L1819490

Project Number: 170432001

Report Date: 06/04/18

## SAMPLE RESULTS

Lab ID: L1819490-06

Date Collected: 05/25/18 11:35

Client ID: SB05\_0.5-1.5

Date Received: 05/25/18

Sample Location: 268 W. 96TH STREET

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Aluminum, Total	8340		mg/kg	9.36	2.53	2	06/01/18 13:40	06/02/18 11:48	EPA 3050B	1,6010C	PE
Antimony, Total	0.590	J	mg/kg	4.68	0.356	2	06/01/18 13:40	06/02/18 11:48	EPA 3050B	1,6010C	PE
Arsenic, Total	3.95		mg/kg	0.936	0.195	2	06/01/18 13:40	06/02/18 11:48	EPA 3050B	1,6010C	PE
Barium, Total	12.1		mg/kg	0.936	0.163	2	06/01/18 13:40	06/02/18 11:48	EPA 3050B	1,6010C	PE
Beryllium, Total	0.196	J	mg/kg	0.468	0.031	2	06/01/18 13:40	06/02/18 11:48	EPA 3050B	1,6010C	PE
Cadmium, Total	ND		mg/kg	0.936	0.092	2	06/01/18 13:40	06/02/18 11:48	EPA 3050B	1,6010C	PE
Calcium, Total	782		mg/kg	9.36	3.28	2	06/01/18 13:40	06/02/18 11:48	EPA 3050B	1,6010C	PE
Chromium, Total	9.47		mg/kg	0.936	0.090	2	06/01/18 13:40	06/02/18 11:48	EPA 3050B	1,6010C	PE
Cobalt, Total	7.66		mg/kg	1.87	0.155	2	06/01/18 13:40	06/02/18 11:48	EPA 3050B	1,6010C	PE
Copper, Total	20.2		mg/kg	0.936	0.241	2	06/01/18 13:40	06/02/18 11:48	EPA 3050B	1,6010C	PE
Iron, Total	16400		mg/kg	4.68	0.845	2	06/01/18 13:40	06/02/18 11:48	EPA 3050B	1,6010C	PE
Lead, Total	8.12		mg/kg	4.68	0.251	2	06/01/18 13:40	06/02/18 11:48	EPA 3050B	1,6010C	PE
Magnesium, Total	3410		mg/kg	9.36	1.44	2	06/01/18 13:40	06/02/18 11:48	EPA 3050B	1,6010C	PE
Manganese, Total	193		mg/kg	0.936	0.149	2	06/01/18 13:40	06/02/18 11:48	EPA 3050B	1,6010C	PE
Mercury, Total	0.030	J	mg/kg	0.076	0.016	1	05/31/18 08:00	05/31/18 18:21	EPA 7471B	1,7471B	EA
Nickel, Total	14.9		mg/kg	2.34	0.226	2	06/01/18 13:40	06/02/18 11:48	EPA 3050B	1,6010C	PE
Potassium, Total	280		mg/kg	234	13.5	2	06/01/18 13:40	06/02/18 11:48	EPA 3050B	1,6010C	PE
Selenium, Total	1.02	J	mg/kg	1.87	0.241	2	06/01/18 13:40	06/02/18 11:48	EPA 3050B	1,6010C	PE
Silver, Total	ND		mg/kg	0.936	0.265	2	06/01/18 13:40	06/02/18 11:48	EPA 3050B	1,6010C	PE
Sodium, Total	20.4	J	mg/kg	187	2.95	2	06/01/18 13:40	06/02/18 11:48	EPA 3050B	1,6010C	PE
Thallium, Total	ND		mg/kg	1.87	0.295	2	06/01/18 13:40	06/02/18 11:48	EPA 3050B	1,6010C	PE
Vanadium, Total	11.4		mg/kg	0.936	0.190	2	06/01/18 13:40	06/02/18 11:48	EPA 3050B	1,6010C	PE
Zinc, Total	47.7		mg/kg	4.68	0.274	2	06/01/18 13:40	06/02/18 11:48	EPA 3050B	1,6010C	PE
<b>General Chemistry - Mansfield Lab</b>											
Chromium, Trivalent	9.5		mg/kg	0.94	0.94	1		06/02/18 11:48	NA	107,-	



Project Name: 266-270 W. 96TH STREET

Lab Number: L1819490

Project Number: 170432001

Report Date: 06/04/18

## SAMPLE RESULTS

Lab ID: L1819490-07

Date Collected: 05/25/18 11:30

Client ID: SB05\_5-6

Date Received: 05/25/18

Sample Location: 268 W. 96TH STREET

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Aluminum, Total	7760		mg/kg	8.34	2.25	2	06/01/18 13:40	06/02/18 11:53	EPA 3050B	1,6010C	PE
Antimony, Total	1.76	J	mg/kg	4.17	0.317	2	06/01/18 13:40	06/02/18 11:53	EPA 3050B	1,6010C	PE
Arsenic, Total	2.78		mg/kg	0.834	0.174	2	06/01/18 13:40	06/02/18 11:53	EPA 3050B	1,6010C	PE
Barium, Total	34.7		mg/kg	0.834	0.145	2	06/01/18 13:40	06/02/18 11:53	EPA 3050B	1,6010C	PE
Beryllium, Total	0.309	J	mg/kg	0.417	0.028	2	06/01/18 13:40	06/02/18 11:53	EPA 3050B	1,6010C	PE
Cadmium, Total	ND		mg/kg	0.834	0.082	2	06/01/18 13:40	06/02/18 11:53	EPA 3050B	1,6010C	PE
Calcium, Total	1100		mg/kg	8.34	2.92	2	06/01/18 13:40	06/02/18 11:53	EPA 3050B	1,6010C	PE
Chromium, Total	20.3		mg/kg	0.834	0.080	2	06/01/18 13:40	06/02/18 11:53	EPA 3050B	1,6010C	PE
Cobalt, Total	5.86		mg/kg	1.67	0.138	2	06/01/18 13:40	06/02/18 11:53	EPA 3050B	1,6010C	PE
Copper, Total	18.2		mg/kg	0.834	0.215	2	06/01/18 13:40	06/02/18 11:53	EPA 3050B	1,6010C	PE
Iron, Total	14200		mg/kg	4.17	0.753	2	06/01/18 13:40	06/02/18 11:53	EPA 3050B	1,6010C	PE
Lead, Total	6.99		mg/kg	4.17	0.224	2	06/01/18 13:40	06/02/18 11:53	EPA 3050B	1,6010C	PE
Magnesium, Total	3140		mg/kg	8.34	1.28	2	06/01/18 13:40	06/02/18 11:53	EPA 3050B	1,6010C	PE
Manganese, Total	173		mg/kg	0.834	0.133	2	06/01/18 13:40	06/02/18 11:53	EPA 3050B	1,6010C	PE
Mercury, Total	ND		mg/kg	0.069	0.015	1	05/31/18 08:00	05/31/18 18:27	EPA 7471B	1,7471B	EA
Nickel, Total	13.8		mg/kg	2.08	0.202	2	06/01/18 13:40	06/02/18 11:53	EPA 3050B	1,6010C	PE
Potassium, Total	1190		mg/kg	208	12.0	2	06/01/18 13:40	06/02/18 11:53	EPA 3050B	1,6010C	PE
Selenium, Total	0.759	J	mg/kg	1.67	0.215	2	06/01/18 13:40	06/02/18 11:53	EPA 3050B	1,6010C	PE
Silver, Total	ND		mg/kg	0.834	0.236	2	06/01/18 13:40	06/02/18 11:53	EPA 3050B	1,6010C	PE
Sodium, Total	100	J	mg/kg	167	2.63	2	06/01/18 13:40	06/02/18 11:53	EPA 3050B	1,6010C	PE
Thallium, Total	ND		mg/kg	1.67	0.263	2	06/01/18 13:40	06/02/18 11:53	EPA 3050B	1,6010C	PE
Vanadium, Total	25.6		mg/kg	0.834	0.169	2	06/01/18 13:40	06/02/18 11:53	EPA 3050B	1,6010C	PE
Zinc, Total	28.2		mg/kg	4.17	0.244	2	06/01/18 13:40	06/02/18 11:53	EPA 3050B	1,6010C	PE
<b>General Chemistry - Mansfield Lab</b>											
Chromium, Trivalent	20		mg/kg	0.88	0.88	1		06/02/18 11:53	NA	107,-	



**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L1819490  
**Report Date:** 06/04/18

## Method Blank Analysis Batch Quality Control

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-07 Batch: WG1120927-1									
Mercury, Total	ND	mg/kg	0.083	0.018	1	05/31/18 08:00	05/31/18 17:42	1,7471B	EA

### Prep Information

Digestion Method: EPA 7471B

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst	
Total Metals - Mansfield Lab for sample(s): 01-07 Batch: WG1121501-1										
Aluminum, Total	ND	mg/kg	4.00	1.08	1	06/01/18 13:40	06/02/18 10:15	1,6010C	PE	
Antimony, Total	ND	mg/kg	2.00	0.152	1	06/01/18 13:40	06/02/18 10:15	1,6010C	PE	
Arsenic, Total	ND	mg/kg	0.400	0.083	1	06/01/18 13:40	06/02/18 10:15	1,6010C	PE	
Barium, Total	ND	mg/kg	0.400	0.070	1	06/01/18 13:40	06/02/18 10:15	1,6010C	PE	
Beryllium, Total	ND	mg/kg	0.200	0.013	1	06/01/18 13:40	06/02/18 10:15	1,6010C	PE	
Cadmium, Total	ND	mg/kg	0.400	0.039	1	06/01/18 13:40	06/02/18 10:15	1,6010C	PE	
Calcium, Total	ND	mg/kg	4.00	1.40	1	06/01/18 13:40	06/02/18 10:15	1,6010C	PE	
Chromium, Total	ND	mg/kg	0.400	0.038	1	06/01/18 13:40	06/02/18 10:15	1,6010C	PE	
Cobalt, Total	ND	mg/kg	0.800	0.066	1	06/01/18 13:40	06/02/18 10:15	1,6010C	PE	
Copper, Total	ND	mg/kg	0.400	0.103	1	06/01/18 13:40	06/02/18 10:15	1,6010C	PE	
Iron, Total	ND	mg/kg	2.00	0.361	1	06/01/18 13:40	06/02/18 10:15	1,6010C	PE	
Lead, Total	ND	mg/kg	2.00	0.107	1	06/01/18 13:40	06/02/18 10:15	1,6010C	PE	
Magnesium, Total	ND	mg/kg	4.00	0.616	1	06/01/18 13:40	06/02/18 10:15	1,6010C	PE	
Manganese, Total	ND	mg/kg	0.400	0.064	1	06/01/18 13:40	06/02/18 10:15	1,6010C	PE	
Nickel, Total	ND	mg/kg	1.00	0.097	1	06/01/18 13:40	06/02/18 10:15	1,6010C	PE	
Potassium, Total	ND	mg/kg	100	5.76	1	06/01/18 13:40	06/02/18 10:15	1,6010C	PE	
Selenium, Total	ND	mg/kg	0.800	0.103	1	06/01/18 13:40	06/02/18 10:15	1,6010C	PE	
Silver, Total	ND	mg/kg	0.400	0.113	1	06/01/18 13:40	06/02/18 10:15	1,6010C	PE	
Sodium, Total	1.39	J	mg/kg	80.0	1.26	1	06/01/18 13:40	06/02/18 10:15	1,6010C	PE
Thallium, Total	ND	mg/kg	0.800	0.126	1	06/01/18 13:40	06/02/18 10:15	1,6010C	PE	
Vanadium, Total	ND	mg/kg	0.400	0.081	1	06/01/18 13:40	06/02/18 10:15	1,6010C	PE	
Zinc, Total	ND	mg/kg	2.00	0.117	1	06/01/18 13:40	06/02/18 10:15	1,6010C	PE	

**Project Name:** 266-270 W. 96TH STREET

**Lab Number:** L1819490

**Project Number:** 170432001

**Report Date:** 06/04/18

## Method Blank Analysis Batch Quality Control

### Prep Information

---

Digestion Method: EPA 3050B

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 266-270 W. 96TH STREET

**Project Number:** 170432001

**Lab Number:** L1819490

**Report Date:** 06/04/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-07 Batch: WG1120927-2 SRM Lot Number: D098-540								
Mercury, Total	97		-		50-149	-		

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 266-270 W. 96TH STREET

**Project Number:** 170432001

**Lab Number:** L1819490

**Report Date:** 06/04/18

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-07 Batch: WG1121501-2 SRM Lot Number: D098-540					
Aluminum, Total	68	-	47-153	-	
Antimony, Total	152	-	6-194	-	
Arsenic, Total	97	-	83-117	-	
Barium, Total	85	-	82-118	-	
Beryllium, Total	89	-	83-117	-	
Cadmium, Total	97	-	82-117	-	
Calcium, Total	90	-	81-118	-	
Chromium, Total	93	-	83-119	-	
Cobalt, Total	98	-	84-116	-	
Copper, Total	97	-	84-116	-	
Iron, Total	92	-	60-140	-	
Lead, Total	94	-	82-117	-	
Magnesium, Total	87	-	76-124	-	
Manganese, Total	86	-	82-118	-	
Nickel, Total	97	-	82-117	-	
Potassium, Total	82	-	69-131	-	
Selenium, Total	99	-	78-121	-	
Silver, Total	95	-	80-120	-	
Sodium, Total	90	-	74-126	-	
Thallium, Total	96	-	80-119	-	
Vanadium, Total	95	-	79-121	-	

## Lab Control Sample Analysis

Batch Quality Control

**Project Name:** 266-270 W. 96TH STREET

**Project Number:** 170432001

**Lab Number:** L1819490

**Report Date:** 06/04/18

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-07 Batch: WG1121501-2 SRM Lot Number: D098-540					
Zinc, Total	95	-	81-119	-	



**Matrix Spike Analysis**  
Batch Quality Control

**Project Name:** 266-270 W. 96TH STREET

**Lab Number:** L1819490

**Project Number:** 170432001

**Report Date:** 06/04/18

<b>Parameter</b>	<b>Native Sample</b>	<b>MS Added</b>	<b>MS Found</b>	<b>MS %Recovery</b>	<b>Qual</b>	<b>MSD Found</b>	<b>MSD %Recovery</b>	<b>Qual</b>	<b>Recovery Limits</b>	<b>RPD</b>	<b>Qual</b>	<b>RPD Limits</b>
Total Metals - Mansfield Lab Associated sample(s): 01-07    QC Batch ID: WG1120927-3    QC Sample: L1819249-01    Client ID: MS Sample												
Mercury, Total	ND	0.136	0.161	118		-	-		80-120	-		20

### Matrix Spike Analysis Batch Quality Control

Project Name: 266-270 W. 96TH STREET

Lab Number: L1819490

Project Number: 170432001

Report Date: 06/04/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits		
Total Metals - Mansfield Lab Associated sample(s): 01-07 QC Batch ID: WG1121501-3 WG1121501-4 QC Sample: L1819539-07 Client ID: MS Sample											
Aluminum, Total	4700	173	5560	498	Q	5340	379	Q	75-125	4	20
Antimony, Total	0.474J	43.2	35.3	82		33.8	80		75-125	4	20
Arsenic, Total	7.42	10.4	15.1	74	Q	15.2	77		75-125	1	20
Barium, Total	26.9	173	177	87		163	81		75-125	8	20
Beryllium, Total	0.203J	4.32	3.86	89		3.57	85		75-125	8	20
Cadmium, Total	ND	4.4	3.58	81		3.42	79		75-125	5	20
Calcium, Total	1660	864	1680	2	Q	1660	0	Q	75-125	1	20
Chromium, Total	6.11	17.3	21.1	87		20.1	83		75-125	5	20
Cobalt, Total	4.64	43.2	40.4	83		38.8	81		75-125	4	20
Copper, Total	17.8	21.6	36.8	88		35.3	83		75-125	4	20
Iron, Total	12100	86.4	12900	926	Q	12800	829	Q	75-125	1	20
Lead, Total	12.4	44	49.1	83		47.8	82		75-125	3	20
Magnesium, Total	1500	864	2270	89		2250	89		75-125	1	20
Manganese, Total	416.	43.2	384	0	Q	407	0	Q	75-125	6	20
Nickel, Total	11.1	43.2	46.1	81		44.2	78		75-125	4	20
Potassium, Total	268.	864	1100	96		1020	89		75-125	8	20
Selenium, Total	0.795J	10.4	9.46	91		9.20	91		75-125	3	20
Silver, Total	ND	25.9	23.1	89		22.0	87		75-125	5	20
Sodium, Total	441.	864	1350	105		1250	96		75-125	8	20
Thallium, Total	ND	10.4	8.36	81		8.07	80		75-125	4	20
Vanadium, Total	9.10	43.2	47.1	88		45.2	86		75-125	4	20

**Matrix Spike Analysis**  
Batch Quality Control

**Project Name:** 266-270 W. 96TH STREET

**Lab Number:** L1819490

**Project Number:** 170432001

**Report Date:** 06/04/18

<b>Parameter</b>	<b>Native Sample</b>	<b>MS Added</b>	<b>MS Found</b>	<b>MS %Recovery</b>	<b>MSD Found</b>	<b>MSD %Recovery</b>	<b>Recovery Limits</b>	<b>RPD</b>	<b>RPD Limits</b>
Total Metals - Mansfield Lab Associated sample(s): 01-07 QC Batch ID: WG1121501-3 WG1121501-4 QC Sample: L1819539-07 Client ID: MS Sample									
Zinc, Total	46.9	43.2	79.8	76	78.2	74	Q 75-125	2	20

## Lab Duplicate Analysis

*Batch Quality Control*

**Project Name:** 266-270 W. 96TH STREET

**Project Number:** 170432001

**Lab Number:** L1819490

**Report Date:** 06/04/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-07 QC Batch ID: WG1120927-4 QC Sample: L1819249-01 Client ID: DUP Sample						
Mercury, Total	ND	ND	mg/kg	NC		20

# **INORGANICS & MISCELLANEOUS**

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L1819490  
**Report Date:** 06/04/18

**SAMPLE RESULTS**

**Lab ID:** L1819490-01  
**Client ID:** SB01\_0.5-1.5  
**Sample Location:** 268 W. 96TH STREET

**Date Collected:** 05/25/18 11:00  
**Date Received:** 05/25/18  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	92.0		%	0.100	NA	1	-	05/29/18 23:56	121,2540G	FN
Cyanide, Total	0.47	J	mg/kg	1.0	0.22	1	05/29/18 14:45	05/30/18 13:32	1,9010C/9012B	ML
Chromium, Hexavalent	ND		mg/kg	0.870	0.174	1	05/30/18 03:40	05/30/18 14:40	1,7196A	NH



**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L1819490  
**Report Date:** 06/04/18

**SAMPLE RESULTS**

**Lab ID:** L1819490-02  
**Client ID:** SB01\_6-7  
**Sample Location:** 268 W. 96TH STREET

**Date Collected:** 05/25/18 11:05  
**Date Received:** 05/25/18  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	84.4		%	0.100	NA	1	-	05/29/18 23:56	121,2540G	FN
Cyanide, Total	ND		mg/kg	1.1	0.24	1	05/29/18 14:45	05/30/18 13:35	1,9010C/9012B	ML
Chromium, Hexavalent	ND		mg/kg	0.948	0.190	1	05/30/18 03:40	05/30/18 14:40	1,7196A	NH



**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L1819490  
**Report Date:** 06/04/18

**SAMPLE RESULTS**

**Lab ID:** L1819490-03  
**Client ID:** SB02\_0.5-1.5  
**Sample Location:** 268 W. 96TH STREET

**Date Collected:** 05/25/18 12:50  
**Date Received:** 05/25/18  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	89.9		%	0.100	NA	1	-	05/29/18 23:56	121,2540G	FN
Cyanide, Total	ND		mg/kg	1.1	0.23	1	05/29/18 14:45	05/30/18 13:36	1,9010C/9012B	ML
Chromium, Hexavalent	ND		mg/kg	0.890	0.178	1	05/30/18 03:40	05/30/18 14:40	1,7196A	NH





**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L1819490  
**Report Date:** 06/04/18

**SAMPLE RESULTS**

**Lab ID:** L1819490-04  
**Client ID:** SB02\_4.5-5.5  
**Sample Location:** 268 W. 96TH STREET

**Date Collected:** 05/25/18 12:55  
**Date Received:** 05/25/18  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	85.6		%	0.100	NA	1	-	05/29/18 23:56	121,2540G	FN
Cyanide, Total	3.3		mg/kg	1.1	0.22	1	05/29/18 14:45	05/30/18 13:37	1,9010C/9012B	ML
Chromium, Hexavalent	ND		mg/kg	0.934	0.187	1	05/30/18 03:40	05/30/18 14:40	1,7196A	NH



**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L1819490  
**Report Date:** 06/04/18

**SAMPLE RESULTS**

**Lab ID:** L1819490-05  
**Client ID:** SB02\_11-12  
**Sample Location:** 268 W. 96TH STREET

**Date Collected:** 05/25/18 13:10  
**Date Received:** 05/25/18  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	90.3		%	0.100	NA	1	-	05/29/18 23:56	121,2540G	FN
Cyanide, Total	ND		mg/kg	1.1	0.22	1	05/29/18 14:45	05/30/18 13:38	1,9010C/9012B	ML
Chromium, Hexavalent	ND		mg/kg	0.886	0.177	1	05/30/18 03:40	05/30/18 14:40	1,7196A	NH



**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L1819490  
**Report Date:** 06/04/18

**SAMPLE RESULTS**

**Lab ID:** L1819490-06  
**Client ID:** SB05\_0.5-1.5  
**Sample Location:** 268 W. 96TH STREET

**Date Collected:** 05/25/18 11:35  
**Date Received:** 05/25/18  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	84.8		%	0.100	NA	1	-	05/29/18 23:56	121,2540G	FN
Cyanide, Total	ND		mg/kg	1.1	0.24	1	05/29/18 14:45	05/30/18 13:42	1,9010C/9012B	ML
Chromium, Hexavalent	ND		mg/kg	0.943	0.189	1	05/30/18 03:40	05/30/18 14:40	1,7196A	NH



**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L1819490  
**Report Date:** 06/04/18

**SAMPLE RESULTS**

**Lab ID:** L1819490-07  
**Client ID:** SB05\_5-6  
**Sample Location:** 268 W. 96TH STREET

**Date Collected:** 05/25/18 11:30  
**Date Received:** 05/25/18  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	91.0		%	0.100	NA	1	-	05/29/18 23:56	121,2540G	FN
Cyanide, Total	ND		mg/kg	1.1	0.22	1	05/29/18 14:45	05/30/18 13:43	1,9010C/9012B	ML
Chromium, Hexavalent	ND		mg/kg	0.879	0.176	1	05/30/18 03:40	05/30/18 14:40	1,7196A	NH



Project Name: 266-270 W. 96TH STREET

Lab Number: L1819490

Project Number: 170432001

Report Date: 06/04/18

**Method Blank Analysis**  
**Batch Quality Control**

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01-07 Batch: WG1120111-1									
Cyanide, Total	ND	mg/kg	0.95	0.20	1	05/29/18 14:45	05/30/18 13:23	1,9010C/9012B	ML
General Chemistry - Westborough Lab for sample(s): 01-07 Batch: WG1120458-1									
Chromium, Hexavalent	ND	mg/kg	0.800	0.160	1	05/30/18 03:40	05/30/18 14:40	1,7196A	NH

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 266-270 W. 96TH STREET

**Project Number:** 170432001

**Lab Number:** L1819490

**Report Date:** 06/04/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-07 Batch: WG1120111-2 WG1120111-3								
Cyanide, Total	48	Q	71	Q	80-120	44	Q	35
General Chemistry - Westborough Lab Associated sample(s): 01-07 Batch: WG1120458-2								
Chromium, Hexavalent	77	Q	-		80-120	-		20

### Matrix Spike Analysis Batch Quality Control

**Project Name:** 266-270 W. 96TH STREET

**Lab Number:** L1819490

**Project Number:** 170432001

**Report Date:** 06/04/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Qual	MSD Found	MSD %Recovery	MSD Qual	Recovery Limits	RPD	RPD Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-07 QC Batch ID: WG1120111-4 WG1120111-5 QC Sample: L1819490-05 Client ID: SB02_11-12												
Cyanide, Total	ND	10	9.4	92		9.1	90		75-125	3		35
General Chemistry - Westborough Lab Associated sample(s): 01-07 QC Batch ID: WG1120458-4 QC Sample: L1819490-05 Client ID: SB02_11-12												
Chromium, Hexavalent	ND	761	828	109		-	-		75-125	-		20

## Lab Duplicate Analysis

*Batch Quality Control*

**Project Name:** 266-270 W. 96TH STREET

**Project Number:** 170432001

**Lab Number:** L1819490

**Report Date:** 06/04/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-07 QC Batch ID: WG1120408-1 QC Sample: L1819539-05 Client ID: DUP Sample						
Solids, Total	88.0	87.8	%	0		20
General Chemistry - Westborough Lab Associated sample(s): 01-07 QC Batch ID: WG1120458-6 QC Sample: L1819490-05 Client ID: SB02_11-12						
Chromium, Hexavalent	ND	ND	mg/kg	NC		20



**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Serial\_No:**06041817:39  
**Lab Number:** L1819490  
**Report Date:** 06/04/18

**Sample Receipt and Container Information**

Were project specific reporting limits specified? YES

**Cooler Information**

**Cooler**                      **Custody Seal**  
A                                      Absent

**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1819490-01A	Vial MeOH preserved	A	NA		3.6	Y	Absent		NYTCL-8260HLW(14)
L1819490-01B	Vial water preserved	A	NA		3.6	Y	Absent	26-MAY-18 07:30	NYTCL-8260HLW(14)
L1819490-01C	Vial water preserved	A	NA		3.6	Y	Absent	26-MAY-18 07:30	NYTCL-8260HLW(14)
L1819490-01D	Plastic 2oz unpreserved for TS	A	NA		3.6	Y	Absent		TS(7)
L1819490-01E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1819490-01F	Glass 120ml/4oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30)
L1819490-01G	Glass 250ml/8oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30)
L1819490-02A	Vial MeOH preserved	A	NA		3.6	Y	Absent		NYTCL-8260HLW(14)
L1819490-02B	Vial water preserved	A	NA		3.6	Y	Absent	26-MAY-18 07:30	NYTCL-8260HLW(14)
L1819490-02C	Vial water preserved	A	NA		3.6	Y	Absent	26-MAY-18 07:30	NYTCL-8260HLW(14)
L1819490-02D	Plastic 2oz unpreserved for TS	A	NA		3.6	Y	Absent		TS(7)
L1819490-02E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1819490-02F	Glass 120ml/4oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30)
L1819490-02G	Glass 250ml/8oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30)
L1819490-03A	Vial MeOH preserved	A	NA		3.6	Y	Absent		NYTCL-8260HLW(14)
L1819490-03B	Vial water preserved	A	NA		3.6	Y	Absent	26-MAY-18 07:30	NYTCL-8260HLW(14)
L1819490-03C	Vial water preserved	A	NA		3.6	Y	Absent	26-MAY-18 07:30	NYTCL-8260HLW(14)

\*Values in parentheses indicate holding time in days



**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Serial\_No:**06041817:39  
**Lab Number:** L1819490  
**Report Date:** 06/04/18

**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1819490-03D	Plastic 2oz unpreserved for TS	A	NA		3.6	Y	Absent		TS(7)
L1819490-03E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1819490-03F	Glass 120ml/4oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30)
L1819490-03G	Glass 250ml/8oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30)
L1819490-04A	Vial MeOH preserved	A	NA		3.6	Y	Absent		NYTCL-8260HLW(14)
L1819490-04B	Vial water preserved	A	NA		3.6	Y	Absent	26-MAY-18 07:30	NYTCL-8260HLW(14)
L1819490-04C	Vial water preserved	A	NA		3.6	Y	Absent	26-MAY-18 07:30	NYTCL-8260HLW(14)
L1819490-04D	Plastic 2oz unpreserved for TS	A	NA		3.6	Y	Absent		TS(7)
L1819490-04E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1819490-04F	Glass 120ml/4oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30)
L1819490-04G	Glass 250ml/8oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30)
L1819490-05A	Vial MeOH preserved	A	NA		3.6	Y	Absent		NYTCL-8260HLW(14)
L1819490-05B	Vial water preserved	A	NA		3.6	Y	Absent	26-MAY-18 07:30	NYTCL-8260HLW(14)
L1819490-05C	Vial water preserved	A	NA		3.6	Y	Absent	26-MAY-18 07:30	NYTCL-8260HLW(14)
L1819490-05D	Plastic 2oz unpreserved for TS	A	NA		3.6	Y	Absent		TS(7)
L1819490-05E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1819490-05F	Glass 120ml/4oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30)
L1819490-05G	Glass 250ml/8oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30)
L1819490-06A	Vial MeOH preserved	A	NA		3.6	Y	Absent		NYTCL-8260HLW(14)

\*Values in parentheses indicate holding time in days



**Project Name:** 266-270 W. 96TH STREET**Lab Number:** L1819490**Project Number:** 170432001**Report Date:** 06/04/18**Container Information**

<b>Container ID</b>	<b>Container Type</b>	<b>Cooler</b>	<b>Initial pH</b>	<b>Final pH</b>	<b>Temp deg C</b>	<b>Pres</b>	<b>Seal</b>	<b>Frozen Date/Time</b>	<b>Analysis(*)</b>
L1819490-06B	Vial water preserved	A	NA		3.6	Y	Absent	26-MAY-18 07:30	NYTCL-8260HLW(14)
L1819490-06C	Vial water preserved	A	NA		3.6	Y	Absent	26-MAY-18 07:30	NYTCL-8260HLW(14)
L1819490-06D	Plastic 2oz unpreserved for TS	A	NA		3.6	Y	Absent		TS(7)
L1819490-06E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1819490-06F	Glass 120ml/4oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30)
L1819490-06G	Glass 250ml/8oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30)
L1819490-07A	Vial MeOH preserved	A	NA		3.6	Y	Absent		NYTCL-8260HLW(14)
L1819490-07B	Vial water preserved	A	NA		3.6	Y	Absent	26-MAY-18 07:30	NYTCL-8260HLW(14)
L1819490-07C	Vial water preserved	A	NA		3.6	Y	Absent	26-MAY-18 07:30	NYTCL-8260HLW(14)
L1819490-07D	Plastic 2oz unpreserved for TS	A	NA		3.6	Y	Absent		TS(7)
L1819490-07E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1819490-07F	Glass 120ml/4oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30)
L1819490-07G	Glass 250ml/8oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30)
L1819490-08A	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260(14)
L1819490-08B	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260(14)

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L1819490  
**Report Date:** 06/04/18

## GLOSSARY

### Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

### Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

### Terms

**Analytical Method:** Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

**Final pH:** As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

**Frozen Date/Time:** With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

**Initial pH:** As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

**Total:** With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

### Data Qualifiers

- A** - Spectra identified as "Aldol Condensation Product".
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related

**Report Format:** DU Report with 'J' Qualifiers



**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L1819490  
**Report Date:** 06/04/18

#### Data Qualifiers

projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers



**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L1819490  
**Report Date:** 06/04/18

## REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.
- 107 Alpha Analytical - In-house calculation method.
- 121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

## LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



## Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

### Westborough Facility

**EPA 624:** m/p-xylene, o-xylene

**EPA 8260C:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.

**EPA 8270D:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.

**EPA 300:** DW: Bromide

**EPA 6860:** SCM: Perchlorate

**EPA 9010:** NPW and SCM: Amenable Cyanide Distillation

**SM4500:** NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO<sub>2</sub>, NO<sub>3</sub>.

### Mansfield Facility

**SM 2540D:** TSS

**EPA 8082A:** NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.

**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

**Biological Tissue Matrix:** EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

### Westborough Facility:

#### Drinking Water

**EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,**

**EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B**

**EPA 332:** Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.

**Microbiology:** **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.**

#### Non-Potable Water

**SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:**

Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **EPA 351.1, SM4500P-E, SM4500P-B, E,**

**SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D.**

**EPA 624:** Volatile Halocarbons & Aromatics,

**EPA 608:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

**EPA 625:** SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.

**Microbiology:** **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, SM9222D.**

### Mansfield Facility:

#### Drinking Water

**EPA 200.7:** Al, Ba, Be, Cd, Cr, Cu, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1 Hg.**

**EPA 522.**

#### Non-Potable Water

**EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.

**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn.

**EPA 245.1 Hg.**

**SM2340B**

For a complete listing of analytes and methods, please contact your Alpha Project Manager.





**NEW YORK CHAIN OF CUSTODY**

Westborough, MA 01581  
8 Walkup Dr.  
TEL: 508-896-9220  
FAX: 508-896-9193

Mansfield, MA 02048  
320 Forbes Blvd  
TEL: 508-822-9300  
FAX: 508-822-3288

**Service Centers**  
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5  
Albany, NY 12205: 14 Walker Way  
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1  
of 1

Date Rec'd in Lab *5/26/18*

ALPHA Job # *L1819190*

**Project Information**  
Project Name: *266-270 W. 96th Street*  
Project Location: *268 W. 96th Street*  
Project # *170432001*  
(Use Project name as Project #)   
Project Manager: *Kimberly Del Corral*  
ALPHAQuote #:  
Turn-Around Time  
Standard  Due Date:  
Rush (only if pre approved)  # of Days:

**Deliverables**  
 ASP-A  ASP-B  
 EQulS (1 File)  EQulS (4 File)  
 Other  
**Billing Information**  
 Same as Client Info  
PO#

**Client Information**  
Client: *LANNAN*  
Address: *360 W. 31st Street 9th Fl*  
*New York NY*  
Phone: *212 479 5400*  
Fax:  
Email: *kdelcorral@lannan.com*

**Regulatory Requirement**  
 NY TOGS  NY Part 375  
 AWQ Standards  NY CP-51  
 NY Restricted Use  Other  
 NY Unrestricted Use  
 NYC Sewer Discharge  
**Disposal Site Information**  
Please identify below location of applicable disposal facilities.  
Disposal Facility:  
 NJ  NY  
 Other:

These samples have been previously analyzed by Alpha   
Other project specific requirements/comments:  
Please specify Metals or TAL.

**ANALYSIS**  
*Part 375 Vol 6, SWQ, PEG  
Reg. TAL metals (includes)  
H/A/MS by 5/21/18  
Part 375 Vol 6*  
**Sample Filtration**  
 Done  
 Lab to do  
**Preservation**  
 Lab to do  
(Please Specify below)  
**Sample Specific Comments**

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials	Analysis		Sample Specific Comments
		Date	Time			X	X	
<i>19490-01</i>	<i>SB01-0.5-1.5</i>	<i>5/25/18</i>	<i>11:00</i>	<i>Soil</i>	<i>MP</i>	<i>X</i>	<i>X</i>	<i>402, 202, 8-02 Stays, 2-02 stays</i>
<i>02</i>	<i>SB01-6-7</i>		<i>11:05</i>			<i>X</i>	<i>X</i>	<i>4 40-ML Vials</i>
<i>03</i>	<i>SB02-0.5-1.5</i>		<i>12:50</i>			<i>X</i>	<i>X</i>	
<i>04</i>	<i>SB02-4.5-5.5</i>		<i>12:55</i>			<i>X</i>	<i>X</i>	
<i>05</i>	<i>SB02-11-12</i>		<i>13:10</i>			<i>X</i>	<i>X</i>	
<i>06</i>	<i>SB05-0.5-1.5</i>		<i>11:35</i>			<i>X</i>	<i>X</i>	
<i>07</i>	<i>SB05-5-6</i>		<i>11:30</i>			<i>X</i>	<i>X</i>	
<i>08</i>	<i>Trip Blank-052518</i>		<i>NA</i>	<i>Trip Blank</i>			<i>X</i>	<i>2 40-ML</i>

**Preservative Code:**  
A = None  
B = HCl  
C = HNO<sub>3</sub>  
D = H<sub>2</sub>SO<sub>4</sub>  
E = NaOH  
F = MeOH  
G = NaHSO<sub>4</sub>  
H = Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub>  
K/E = Zn Ac/NaOH  
O = Other

**Container Code:**  
P = Plastic  
A = Amber Glass  
V = Vial  
G = Glass  
B = Bacteria Cup  
C = Cube  
O = Other  
E = Encore  
D = BOD Bottle

Westboro: Certification No: MA935  
Mansfield: Certification No: MA015

Container Type  
Preservative

Relinquished By: *[Signature]* Date/Time: *5/25/18 15:01*  
Received By: *Renek Johnson* Date/Time: *5/25/18 15:01*  
*[Signature]* *5/25/18 01:51* *[Signature]* *5/26/18 11:25*

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)





## ANALYTICAL REPORT

Lab Number:	L1819535
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Kimberly Del Col
Phone:	(212) 479-5486
Project Name:	266-270 W. 96TH STREET
Project Number:	170432001
Report Date:	06/04/18

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA030), NH NELAP (2062), CT (PH-0141), DoD (L2474), FL (E87814), IL (200081), LA (85084), ME (MA00030), MD (350), NJ (MA015), NY (11627), NC (685), OH (CL106), PA (68-02089), RI (LAO00299), TX (T104704419), VT (VT-0015), VA (460194), WA (C954), US Army Corps of Engineers, USDA (Permit #P330-17-00150), USFWS (Permit #206964).

---

320 Forbes Boulevard, Mansfield, MA 02048-1806  
508-822-9300 (Fax) 508-822-3288 800-624-9220 - [www.alphalab.com](http://www.alphalab.com)



**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L1819535  
**Report Date:** 06/04/18

<b>Alpha Sample ID</b>	<b>Client ID</b>	<b>Matrix</b>	<b>Sample Location</b>	<b>Collection Date/Time</b>	<b>Receive Date</b>
L1819535-01	SV02_052518	SOIL_VAPOR	MANHATTAN, NY	05/25/18 12:22	05/25/18
L1819535-02	SV01_052518	SOIL_VAPOR	MANHATTAN, NY	05/25/18 12:24	05/25/18
L1819535-03	UNUSED CAN #1692	SOIL_VAPOR	MANHATTAN, NY		05/25/18

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L1819535  
**Report Date:** 06/04/18

### Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

#### HOLD POLICY

For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L1819535  
**Report Date:** 06/04/18

### Case Narrative (continued)

#### Volatile Organics in Air

Canisters were released from the laboratory on May 25, 2018. The canister certification results are provided as an addendum.

L1819535-01 and -02: The samples have elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the samples.

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. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:  Christopher J. Anderson

Title: Technical Director/Representative

Date: 06/04/18

**AIR**

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L1819535  
**Report Date:** 06/04/18

### SAMPLE RESULTS

Lab ID: L1819535-01 D  
 Client ID: SV02\_052518  
 Sample Location: MANHATTAN, NY

Date Collected: 05/25/18 12:22  
 Date Received: 05/25/18  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil\_Vapor  
 Analytical Method: 48,TO-15  
 Analytical Date: 06/02/18 03:09  
 Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
<b>Volatile Organics in Air - Mansfield Lab</b>								
Dichlorodifluoromethane	ND	0.500	--	ND	2.47	--		2.5
Chloromethane	ND	0.500	--	ND	1.03	--		2.5
Freon-114	ND	0.500	--	ND	3.49	--		2.5
Vinyl chloride	ND	0.500	--	ND	1.28	--		2.5
1,3-Butadiene	1.91	0.500	--	4.23	1.11	--		2.5
Bromomethane	ND	0.500	--	ND	1.94	--		2.5
Chloroethane	ND	0.500	--	ND	1.32	--		2.5
Ethanol	ND	12.5	--	ND	23.6	--		2.5
Vinyl bromide	ND	0.500	--	ND	2.19	--		2.5
Acetone	19.7	2.50	--	46.8	5.94	--		2.5
Trichlorofluoromethane	ND	0.500	--	ND	2.81	--		2.5
Isopropanol	ND	1.25	--	ND	3.07	--		2.5
1,1-Dichloroethene	ND	0.500	--	ND	1.98	--		2.5
Tertiary butyl Alcohol	ND	1.25	--	ND	3.79	--		2.5
Methylene chloride	ND	1.25	--	ND	4.34	--		2.5
3-Chloropropene	ND	0.500	--	ND	1.57	--		2.5
Carbon disulfide	1.78	0.500	--	5.54	1.56	--		2.5
Freon-113	ND	0.500	--	ND	3.83	--		2.5
trans-1,2-Dichloroethene	ND	0.500	--	ND	1.98	--		2.5
1,1-Dichloroethane	ND	0.500	--	ND	2.02	--		2.5
Methyl tert butyl ether	ND	0.500	--	ND	1.80	--		2.5
2-Butanone	2.62	1.25	--	7.73	3.69	--		2.5
cis-1,2-Dichloroethene	ND	0.500	--	ND	1.98	--		2.5



**Project Name:** 266-270 W. 96TH STREET**Lab Number:** L1819535**Project Number:** 170432001**Report Date:** 06/04/18**SAMPLE RESULTS**

Lab ID: L1819535-01 D  
 Client ID: SV02\_052518  
 Sample Location: MANHATTAN, NY

Date Collected: 05/25/18 12:22  
 Date Received: 05/25/18  
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
<b>Volatile Organics in Air - Mansfield Lab</b>								
Ethyl Acetate	ND	1.25	--	ND	4.50	--		2.5
Chloroform	ND	0.500	--	ND	2.44	--		2.5
Tetrahydrofuran	ND	1.25	--	ND	3.69	--		2.5
1,2-Dichloroethane	ND	0.500	--	ND	2.02	--		2.5
n-Hexane	2.54	0.500	--	8.95	1.76	--		2.5
1,1,1-Trichloroethane	ND	0.500	--	ND	2.73	--		2.5
Benzene	2.62	0.500	--	8.37	1.60	--		2.5
Carbon tetrachloride	ND	0.500	--	ND	3.15	--		2.5
Cyclohexane	ND	0.500	--	ND	1.72	--		2.5
1,2-Dichloropropane	ND	0.500	--	ND	2.31	--		2.5
Bromodichloromethane	ND	0.500	--	ND	3.35	--		2.5
1,4-Dioxane	ND	0.500	--	ND	1.80	--		2.5
Trichloroethene	5.92	0.500	--	31.8	2.69	--		2.5
2,2,4-Trimethylpentane	0.855	0.500	--	3.99	2.34	--		2.5
Heptane	3.18	0.500	--	13.0	2.05	--		2.5
cis-1,3-Dichloropropene	ND	0.500	--	ND	2.27	--		2.5
4-Methyl-2-pentanone	ND	1.25	--	ND	5.12	--		2.5
trans-1,3-Dichloropropene	ND	0.500	--	ND	2.27	--		2.5
1,1,2-Trichloroethane	ND	0.500	--	ND	2.73	--		2.5
Toluene	4.22	0.500	--	15.9	1.88	--		2.5
2-Hexanone	ND	0.500	--	ND	2.05	--		2.5
Dibromochloromethane	ND	0.500	--	ND	4.26	--		2.5
1,2-Dibromoethane	ND	0.500	--	ND	3.84	--		2.5
Tetrachloroethene	39.7	0.500	--	269	3.39	--		2.5
Chlorobenzene	ND	0.500	--	ND	2.30	--		2.5
Ethylbenzene	88.4	0.500	--	384	2.17	--		2.5



**Project Name:** 266-270 W. 96TH STREET**Lab Number:** L1819535**Project Number:** 170432001**Report Date:** 06/04/18**SAMPLE RESULTS**

Lab ID: L1819535-01 D

Date Collected: 05/25/18 12:22

Client ID: SV02\_052518

Date Received: 05/25/18

Sample Location: MANHATTAN, NY

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
<b>Volatile Organics in Air - Mansfield Lab</b>								
p/m-Xylene	249	1.00	--	1080	4.34	--		2.5
Bromoform	ND	0.500	--	ND	5.17	--		2.5
Styrene	2.94	0.500	--	12.5	2.13	--		2.5
1,1,2,2-Tetrachloroethane	ND	0.500	--	ND	3.43	--		2.5
o-Xylene	87.9	0.500	--	382	2.17	--		2.5
4-Ethyltoluene	0.972	0.500	--	4.78	2.46	--		2.5
1,3,5-Trimethylbenzene	2.00	0.500	--	9.83	2.46	--		2.5
1,2,4-Trimethylbenzene	3.32	0.500	--	16.3	2.46	--		2.5
Benzyl chloride	ND	0.500	--	ND	2.59	--		2.5
1,3-Dichlorobenzene	ND	0.500	--	ND	3.01	--		2.5
1,4-Dichlorobenzene	ND	0.500	--	ND	3.01	--		2.5
1,2-Dichlorobenzene	ND	0.500	--	ND	3.01	--		2.5
1,2,4-Trichlorobenzene	ND	0.500	--	ND	3.71	--		2.5
Hexachlorobutadiene	ND	0.500	--	ND	5.33	--		2.5

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	89		60-140
Bromochloromethane	89		60-140
chlorobenzene-d5	102		60-140





**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L1819535  
**Report Date:** 06/04/18

### SAMPLE RESULTS

Lab ID: L1819535-02 D  
 Client ID: SV01\_052518  
 Sample Location: MANHATTAN, NY

Date Collected: 05/25/18 12:24  
 Date Received: 05/25/18  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil\_Vapor  
 Analytical Method: 48,TO-15  
 Analytical Date: 06/02/18 03:45  
 Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
<b>Volatile Organics in Air - Mansfield Lab</b>								
Dichlorodifluoromethane	1.10	0.400	--	5.44	1.98	--		2
Chloromethane	ND	0.400	--	ND	0.826	--		2
Freon-114	ND	0.400	--	ND	2.80	--		2
Vinyl chloride	ND	0.400	--	ND	1.02	--		2
1,3-Butadiene	1.62	0.400	--	3.58	0.885	--		2
Bromomethane	ND	0.400	--	ND	1.55	--		2
Chloroethane	ND	0.400	--	ND	1.06	--		2
Ethanol	ND	10.0	--	ND	18.8	--		2
Vinyl bromide	ND	0.400	--	ND	1.75	--		2
Acetone	10.5	2.00	--	24.9	4.75	--		2
Trichlorofluoromethane	ND	0.400	--	ND	2.25	--		2
Isopropanol	ND	1.00	--	ND	2.46	--		2
1,1-Dichloroethene	ND	0.400	--	ND	1.59	--		2
Tertiary butyl Alcohol	ND	1.00	--	ND	3.03	--		2
Methylene chloride	ND	1.00	--	ND	3.47	--		2
3-Chloropropene	ND	0.400	--	ND	1.25	--		2
Carbon disulfide	1.02	0.400	--	3.18	1.25	--		2
Freon-113	ND	0.400	--	ND	3.07	--		2
trans-1,2-Dichloroethene	ND	0.400	--	ND	1.59	--		2
1,1-Dichloroethane	ND	0.400	--	ND	1.62	--		2
Methyl tert butyl ether	ND	0.400	--	ND	1.44	--		2
2-Butanone	1.70	1.00	--	5.01	2.95	--		2
cis-1,2-Dichloroethene	ND	0.400	--	ND	1.59	--		2



**Project Name:** 266-270 W. 96TH STREET**Lab Number:** L1819535**Project Number:** 170432001**Report Date:** 06/04/18**SAMPLE RESULTS**

Lab ID: L1819535-02 D

Date Collected: 05/25/18 12:24

Client ID: SV01\_052518

Date Received: 05/25/18

Sample Location: MANHATTAN, NY

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
<b>Volatile Organics in Air - Mansfield Lab</b>								
Ethyl Acetate	ND	1.00	--	ND	3.60	--		2
Chloroform	10.8	0.400	--	52.7	1.95	--		2
Tetrahydrofuran	ND	1.00	--	ND	2.95	--		2
1,2-Dichloroethane	ND	0.400	--	ND	1.62	--		2
n-Hexane	4.55	0.400	--	16.0	1.41	--		2
1,1,1-Trichloroethane	ND	0.400	--	ND	2.18	--		2
Benzene	0.890	0.400	--	2.84	1.28	--		2
Carbon tetrachloride	ND	0.400	--	ND	2.52	--		2
Cyclohexane	ND	0.400	--	ND	1.38	--		2
1,2-Dichloropropane	ND	0.400	--	ND	1.85	--		2
Bromodichloromethane	ND	0.400	--	ND	2.68	--		2
1,4-Dioxane	ND	0.400	--	ND	1.44	--		2
Trichloroethene	2.01	0.400	--	10.8	2.15	--		2
2,2,4-Trimethylpentane	ND	0.400	--	ND	1.87	--		2
Heptane	3.29	0.400	--	13.5	1.64	--		2
cis-1,3-Dichloropropene	ND	0.400	--	ND	1.82	--		2
4-Methyl-2-pentanone	ND	1.00	--	ND	4.10	--		2
trans-1,3-Dichloropropene	ND	0.400	--	ND	1.82	--		2
1,1,2-Trichloroethane	ND	0.400	--	ND	2.18	--		2
Toluene	1.93	0.400	--	7.27	1.51	--		2
2-Hexanone	ND	0.400	--	ND	1.64	--		2
Dibromochloromethane	ND	0.400	--	ND	3.41	--		2
1,2-Dibromoethane	ND	0.400	--	ND	3.07	--		2
Tetrachloroethene	26.3	0.400	--	178	2.71	--		2
Chlorobenzene	ND	0.400	--	ND	1.84	--		2
Ethylbenzene	77.9	0.400	--	338	1.74	--		2



**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L1819535  
**Report Date:** 06/04/18

### SAMPLE RESULTS

Lab ID: L1819535-02 D  
 Client ID: SV01\_052518  
 Sample Location: MANHATTAN, NY

Date Collected: 05/25/18 12:24  
 Date Received: 05/25/18  
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	183	0.800	--	795	3.47	--		2
Bromoform	ND	0.400	--	ND	4.14	--		2
Styrene	2.19	0.400	--	9.32	1.70	--		2
1,1,2,2-Tetrachloroethane	ND	0.400	--	ND	2.75	--		2
o-Xylene	65.6	0.400	--	285	1.74	--		2
4-Ethyltoluene	ND	0.400	--	ND	1.97	--		2
1,3,5-Trimethylbenzene	0.562	0.400	--	2.76	1.97	--		2
1,2,4-Trimethylbenzene	1.10	0.400	--	5.41	1.97	--		2
Benzyl chloride	ND	0.400	--	ND	2.07	--		2
1,3-Dichlorobenzene	ND	0.400	--	ND	2.40	--		2
1,4-Dichlorobenzene	ND	0.400	--	ND	2.40	--		2
1,2-Dichlorobenzene	ND	0.400	--	ND	2.40	--		2
1,2,4-Trichlorobenzene	ND	0.400	--	ND	2.97	--		2
Hexachlorobutadiene	ND	0.400	--	ND	4.27	--		2

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	87		60-140
Bromochloromethane	89		60-140
chlorobenzene-d5	120		60-140



Project Name: 266-270 W. 96TH STREET

Lab Number: L1819535

Project Number: 170432001

Report Date: 06/04/18

### Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 06/01/18 15:15

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01-02 Batch: WG1121664-4								
Propylene	ND	0.500	--	ND	0.861	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1



Project Name: 266-270 W. 96TH STREET

Lab Number: L1819535

Project Number: 170432001

Report Date: 06/04/18

### Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 06/01/18 15:15

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01-02 Batch: WG1121664-4								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1



Project Name: 266-270 W. 96TH STREET

Lab Number: L1819535

Project Number: 170432001

Report Date: 06/04/18

### Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 06/01/18 15:15

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01-02 Batch: WG1121664-4								
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 266-270 W. 96TH STREET

**Lab Number:** L1819535

**Project Number:** 170432001

**Report Date:** 06/04/18

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-02 Batch: WG1121664-3								
Chlorodifluoromethane	89		-		70-130	-		
Propylene	121		-		70-130	-		
Propane	83		-		70-130	-		
Dichlorodifluoromethane	101		-		70-130	-		
Chloromethane	99		-		70-130	-		
1,2-Dichloro-1,1,2,2-tetrafluoroethane	102		-		70-130	-		
Methanol	83		-		70-130	-		
Vinyl chloride	96		-		70-130	-		
1,3-Butadiene	99		-		70-130	-		
Butane	95		-		70-130	-		
Bromomethane	97		-		70-130	-		
Chloroethane	88		-		70-130	-		
Ethyl Alcohol	87		-		70-130	-		
Dichlorofluoromethane	93		-		70-130	-		
Vinyl bromide	101		-		70-130	-		
Acrolein	84		-		70-130	-		
Acetone	82		-		70-130	-		
Acetonitrile	89		-		70-130	-		
Trichlorofluoromethane	100		-		70-130	-		
iso-Propyl Alcohol	79		-		70-130	-		
Acrylonitrile	87		-		70-130	-		
Pentane	87		-		70-130	-		
Ethyl ether	91		-		70-130	-		

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 266-270 W. 96TH STREET

**Project Number:** 170432001

**Lab Number:** L1819535

**Report Date:** 06/04/18

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-02 Batch: WG1121664-3								
1,1-Dichloroethene	94		-		70-130	-		
tert-Butyl Alcohol	79		-		70-130	-		
Methylene chloride	98		-		70-130	-		
3-Chloropropene	105		-		70-130	-		
Carbon disulfide	96		-		70-130	-		
1,1,2-Trichloro-1,2,2-Trifluoroethane	102		-		70-130	-		
trans-1,2-Dichloroethene	94		-		70-130	-		
1,1-Dichloroethane	91		-		70-130	-		
Methyl tert butyl ether	94		-		70-130	-		
Vinyl acetate	89		-		70-130	-		
2-Butanone	99		-		70-130	-		
cis-1,2-Dichloroethene	93		-		70-130	-		
Ethyl Acetate	108		-		70-130	-		
Chloroform	101		-		70-130	-		
Tetrahydrofuran	107		-		70-130	-		
2,2-Dichloropropane	92		-		70-130	-		
1,2-Dichloroethane	100		-		70-130	-		
n-Hexane	96		-		70-130	-		
Isopropyl Ether	89		-		70-130	-		
Ethyl-Tert-Butyl-Ether	84		-		70-130	-		
1,1,1-Trichloroethane	98		-		70-130	-		
1,1-Dichloropropene	91		-		70-130	-		
Benzene	88		-		70-130	-		



## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 266-270 W. 96TH STREET

**Lab Number:** L1819535

**Project Number:** 170432001

**Report Date:** 06/04/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-02 Batch: WG1121664-3								
Carbon tetrachloride	101		-		70-130	-		
Cyclohexane	96		-		70-130	-		
Tertiary-Amyl Methyl Ether	81		-		70-130	-		
Dibromomethane	87		-		70-130	-		
1,2-Dichloropropane	93		-		70-130	-		
Bromodichloromethane	100		-		70-130	-		
1,4-Dioxane	100		-		70-130	-		
Trichloroethene	93		-		70-130	-		
2,2,4-Trimethylpentane	100		-		70-130	-		
Methyl Methacrylate	82		-		70-130	-		
Heptane	102		-		70-130	-		
cis-1,3-Dichloropropene	98		-		70-130	-		
4-Methyl-2-pentanone	100		-		70-130	-		
trans-1,3-Dichloropropene	85		-		70-130	-		
1,1,2-Trichloroethane	93		-		70-130	-		
Toluene	95		-		70-130	-		
1,3-Dichloropropane	87		-		70-130	-		
2-Hexanone	101		-		70-130	-		
Dibromochloromethane	108		-		70-130	-		
1,2-Dibromoethane	96		-		70-130	-		
Butyl Acetate	92		-		70-130	-		
Octane	90		-		70-130	-		
Tetrachloroethene	92		-		70-130	-		

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 266-270 W. 96TH STREET

**Lab Number:** L1819535

**Project Number:** 170432001

**Report Date:** 06/04/18

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-02 Batch: WG1121664-3								
1,1,1,2-Tetrachloroethane	93		-		70-130	-		
Chlorobenzene	94		-		70-130	-		
Ethylbenzene	100		-		70-130	-		
p/m-Xylene	99		-		70-130	-		
Bromoform	108		-		70-130	-		
Styrene	98		-		70-130	-		
1,1,1,2-Tetrachloroethane	100		-		70-130	-		
o-Xylene	102		-		70-130	-		
1,2,3-Trichloropropane	89		-		70-130	-		
Nonane (C9)	94		-		70-130	-		
Isopropylbenzene	97		-		70-130	-		
Bromobenzene	90		-		70-130	-		
o-Chlorotoluene	92		-		70-130	-		
n-Propylbenzene	94		-		70-130	-		
p-Chlorotoluene	92		-		70-130	-		
4-Ethyltoluene	105		-		70-130	-		
1,3,5-Trimethylbenzene	105		-		70-130	-		
tert-Butylbenzene	100		-		70-130	-		
1,2,4-Trimethylbenzene	108		-		70-130	-		
Decane (C10)	99		-		70-130	-		
Benzyl chloride	116		-		70-130	-		
1,3-Dichlorobenzene	101		-		70-130	-		
1,4-Dichlorobenzene	102		-		70-130	-		

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 266-270 W. 96TH STREET

**Project Number:** 170432001

**Lab Number:** L1819535

**Report Date:** 06/04/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-02 Batch: WG1121664-3								
sec-Butylbenzene	97		-		70-130	-		
p-Isopropyltoluene	94		-		70-130	-		
1,2-Dichlorobenzene	101		-		70-130	-		
n-Butylbenzene	104		-		70-130	-		
1,2-Dibromo-3-chloropropane	97		-		70-130	-		
Undecane	100		-		70-130	-		
Dodecane (C12)	102		-		70-130	-		
1,2,4-Trichlorobenzene	102		-		70-130	-		
Naphthalene	96		-		70-130	-		
1,2,3-Trichlorobenzene	96		-		70-130	-		
Hexachlorobutadiene	102		-		70-130	-		

## Lab Duplicate Analysis

### Batch Quality Control

Project Name: 266-270 W. 96TH STREET

Project Number: 170432001

Lab Number: L1819535

Report Date: 06/04/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1121664-5 QC Sample: L1819540-02 Client ID: DUP Sample						
Dichlorodifluoromethane	0.455	0.450	ppbV	1		25
Chloromethane	0.568	0.582	ppbV	2		25
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	ND	ppbV	NC		25
1,3-Butadiene	ND	ND	ppbV	NC		25
Bromomethane	ND	ND	ppbV	NC		25
Chloroethane	ND	ND	ppbV	NC		25
Ethyl Alcohol	53.5	53.7	ppbV	0		25
Vinyl bromide	ND	ND	ppbV	NC		25
Acetone	16.7	16.6	ppbV	1		25
Trichlorofluoromethane	0.233	0.237	ppbV	2		25
iso-Propyl Alcohol	3.88	3.84	ppbV	1		25
tert-Butyl Alcohol	ND	ND	ppbV	NC		25
Methylene chloride	ND	ND	ppbV	NC		25
3-Chloropropene	ND	ND	ppbV	NC		25
Carbon disulfide	ND	ND	ppbV	NC		25
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ND	ppbV	NC		25
trans-1,2-Dichloroethene	ND	ND	ppbV	NC		25
1,1-Dichloroethane	ND	ND	ppbV	NC		25
Methyl tert butyl ether	ND	ND	ppbV	NC		25
2-Butanone	0.763	0.725	ppbV	5		25
Ethyl Acetate	0.830	0.866	ppbV	4		25

## Lab Duplicate Analysis

### Batch Quality Control

Project Name: 266-270 W. 96TH STREET

Project Number: 170432001

Lab Number: L1819535

Report Date: 06/04/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1121664-5 QC Sample: L1819540-02 Client ID: DUP Sample						
Chloroform	ND	ND	ppbV	NC		25
Tetrahydrofuran	ND	ND	ppbV	NC		25
1,2-Dichloroethane	ND	ND	ppbV	NC		25
n-Hexane	0.451	0.442	ppbV	2		25
Benzene	ND	ND	ppbV	NC		25
Cyclohexane	0.322	0.313	ppbV	3		25
1,2-Dichloropropane	ND	ND	ppbV	NC		25
Bromodichloromethane	ND	ND	ppbV	NC		25
1,4-Dioxane	ND	ND	ppbV	NC		25
2,2,4-Trimethylpentane	ND	ND	ppbV	NC		25
Heptane	ND	ND	ppbV	NC		25
cis-1,3-Dichloropropene	ND	ND	ppbV	NC		25
4-Methyl-2-pentanone	ND	ND	ppbV	NC		25
trans-1,3-Dichloropropene	ND	ND	ppbV	NC		25
1,1,2-Trichloroethane	ND	ND	ppbV	NC		25
Toluene	0.874	0.894	ppbV	2		25
2-Hexanone	ND	ND	ppbV	NC		25
Dibromochloromethane	ND	ND	ppbV	NC		25
1,2-Dibromoethane	ND	ND	ppbV	NC		25
Chlorobenzene	ND	ND	ppbV	NC		25
Ethylbenzene	ND	ND	ppbV	NC		25

## Lab Duplicate Analysis

Batch Quality Control

Project Name: 266-270 W. 96TH STREET

Project Number: 170432001

Lab Number: L1819535

Report Date: 06/04/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1121664-5 QC Sample: L1819540-02 Client ID: DUP Sample						
p/m-Xylene	0.482	0.489	ppbV	1		25
Bromoform	ND	ND	ppbV	NC		25
Styrene	0.258	0.268	ppbV	4		25
1,1,2,2-Tetrachloroethane	ND	ND	ppbV	NC		25
o-Xylene	ND	ND	ppbV	NC		25
4-Ethyltoluene	ND	ND	ppbV	NC		25
1,3,5-Trimethylbenzene	ND	ND	ppbV	NC		25
1,2,4-Trimethylbenzene	ND	ND	ppbV	NC		25
Benzyl chloride	ND	ND	ppbV	NC		25
1,3-Dichlorobenzene	ND	ND	ppbV	NC		25
1,4-Dichlorobenzene	ND	ND	ppbV	NC		25
1,2-Dichlorobenzene	ND	ND	ppbV	NC		25
1,2,4-Trichlorobenzene	ND	ND	ppbV	NC		25
Hexachlorobutadiene	ND	ND	ppbV	NC		25

Project Name: 266-270 W. 96TH STREET

Serial\_No:06041815:24  
Lab Number: L1819535

Project Number: 170432001

Report Date: 06/04/18

### Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controller Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L1819535-01	SV02_052518	0159	Flow 3	05/25/18	266428		-	-	-	Pass	40.0	39.0	3
L1819535-01	SV02_052518	2441	6.0L Can	05/25/18	266428	L1818680-02	Pass	-30.0	-6.1	-	-	-	-
L1819535-02	SV01_052518	0275	Flow 3	05/25/18	266428		-	-	-	Pass	40.0	39.1	2
L1819535-02	SV01_052518	1863	6.0L Can	05/25/18	266428	L1818680-02	Pass	-30.0	-6.2	-	-	-	-
L1819535-03	UNUSED CAN #1692	0934	Flow 3	05/25/18	266428		-	-	-	Pass	40.0	40.0	0
L1819535-03	UNUSED CAN #1692	1692	6.0L Can	05/25/18	266428	L1818680-02	Pass	-29.2	-29.2	-	-	-	-

**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L1818680  
**Report Date:** 06/04/18

### Air Canister Certification Results

Lab ID: L1818680-02  
 Client ID: CAN 2251 SHELF 57  
 Sample Location:

Date Collected: 05/22/18 08:30  
 Date Received: 05/22/18  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Air  
 Analytical Method: 48,TO-15  
 Analytical Date: 05/22/18 16:15  
 Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1





**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L1818680  
**Report Date:** 06/04/18

### Air Canister Certification Results

Lab ID: L1818680-02  
 Client ID: CAN 2251 SHELF 57  
 Sample Location:

Date Collected: 05/22/18 08:30  
 Date Received: 05/22/18  
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1



**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L1818680  
**Report Date:** 06/04/18

### Air Canister Certification Results

Lab ID: L1818680-02  
 Client ID: CAN 2251 SHELF 57  
 Sample Location:

Date Collected: 05/22/18 08:30  
 Date Received: 05/22/18  
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1



**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L1818680  
**Report Date:** 06/04/18

### Air Canister Certification Results

Lab ID: L1818680-02  
 Client ID: CAN 2251 SHELF 57  
 Sample Location:

Date Collected: 05/22/18 08:30  
 Date Received: 05/22/18  
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1



**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L1818680  
**Report Date:** 06/04/18

### Air Canister Certification Results

Lab ID: L1818680-02  
 Client ID: CAN 2251 SHELF 57  
 Sample Location:

Date Collected: 05/22/18 08:30  
 Date Received: 05/22/18  
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								

Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds				

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	85		60-140
Bromochloromethane	90		60-140
chlorobenzene-d5	84		60-140



**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L1818680  
**Report Date:** 06/04/18

### Air Canister Certification Results

Lab ID: L1818680-02  
 Client ID: CAN 2251 SHELF 57  
 Sample Location:

Date Collected: 05/22/18 08:30  
 Date Received: 05/22/18  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Air  
 Analytical Method: 48,TO-15-SIM  
 Analytical Date: 05/22/18 16:15  
 Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1



**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L1818680  
**Report Date:** 06/04/18

### Air Canister Certification Results

Lab ID: L1818680-02  
 Client ID: CAN 2251 SHELF 57  
 Sample Location:

Date Collected: 05/22/18 08:30  
 Date Received: 05/22/18  
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1



**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L1818680  
**Report Date:** 06/04/18

### Air Canister Certification Results

Lab ID: L1818680-02  
 Client ID: CAN 2251 SHELF 57  
 Sample Location:

Date Collected: 05/22/18 08:30  
 Date Received: 05/22/18  
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	89		60-140
bromochloromethane	89		60-140
chlorobenzene-d5	86		60-140



**Project Name:** 266-270 W. 96TH STREET**Lab Number:** L1819535**Project Number:** 170432001**Report Date:** 06/04/18**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

**Cooler Information****Cooler**                      **Custody Seal**

N/A                              Absent

**Container Information**

<b>Container ID</b>	<b>Container Type</b>	<b>Cooler</b>	<b>Initial pH</b>	<b>Final pH</b>	<b>Temp deg C</b>	<b>Pres</b>	<b>Seal</b>	<b>Frozen Date/Time</b>	<b>Analysis(*)</b>
L1819535-01A	Canister - 6 Liter	N/A	NA			Y	Absent		TO15-LL(30)
L1819535-02A	Canister - 6 Liter	N/A	NA			Y	Absent		TO15-LL(30)
L1819535-03A	Canister - 6 Liter	N/A	NA			Y	Absent		CLEAN-FEE()



**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L1819535  
**Report Date:** 06/04/18

## GLOSSARY

### Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

### Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

### Terms

**Analytical Method:** Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

**Final pH:** As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

**Frozen Date/Time:** With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

**Initial pH:** As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

**Total:** With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

### Data Qualifiers

- A** - Spectra identified as "Aldol Condensation Product".
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related

Report Format: Data Usability Report



**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L1819535  
**Report Date:** 06/04/18

#### Data Qualifiers

projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- J** - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- ND** - Not detected at the reporting limit (RL) for the sample.

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L1819535  
**Report Date:** 06/04/18

## REFERENCES

- 48 Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air. Second Edition. EPA/625/R-96/010b, January 1999.

## LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



## Certification Information

---

The following analytes are not included in our Primary NELAP Scope of Accreditation:

### Westborough Facility

**EPA 624:** m/p-xylene, o-xylene

**EPA 8260C:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.

**EPA 8270D:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.

**EPA 300:** DW: Bromide

**EPA 6860:** SCM: Perchlorate

**EPA 9010:** NPW and SCM: Amenable Cyanide Distillation

**SM4500:** NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO<sub>2</sub>, NO<sub>3</sub>.

### Mansfield Facility

**SM 2540D:** TSS

**EPA 8082A:** NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.

**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

**Biological Tissue Matrix:** EPA 3050B

---

The following analytes are included in our Massachusetts DEP Scope of Accreditation

### Westborough Facility:

#### Drinking Water

**EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,**

**EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B**

**EPA 332:** Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.

**Microbiology:** **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.**

#### Non-Potable Water

**SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:**

Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **EPA 351.1, SM4500P-E, SM4500P-B, E,**

**SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D.**

**EPA 624:** Volatile Halocarbons & Aromatics,

**EPA 608:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

**EPA 625:** SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.

**Microbiology:** **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, SM9222D.**

### Mansfield Facility:

#### Drinking Water

**EPA 200.7:** Al, Ba, Be, Cd, Cr, Cu, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1 Hg.**

**EPA 522.**

#### Non-Potable Water

**EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.

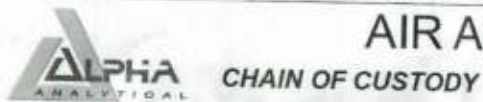
**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn.

**EPA 245.1 Hg.**

**SM2340B**

---

For a complete listing of analytes and methods, please contact your Alpha Project Manager.



# AIR ANALYSIS

PAGE 1 OF 1

320 Forbes Blvd, Mansfield, MA 02048  
 TEL: 508-822-9300 FAX: 508-822-3288

**Client Information**

Client: LANGAN

Address: 360 W. 31<sup>st</sup> Street 8<sup>th</sup> Fl  
New York, NY 10001

Phone: 212 479 5400

Fax:

Email: Kdelco1@langan.com

These samples have been previously analyzed by Alpha

**Project Information**

Project Name: 266-270 W. 96<sup>th</sup> Street

Project Location: 266 W. 96<sup>th</sup> Street

Project #: 17043 2001

Project Manager: Kimberly Delco 1

ALPHA Quote #:

**Turn-Around Time**

Standard  RUSH (only confirmed if pre approved)

Date Due: \_\_\_\_\_ Time: \_\_\_\_\_

Date Rec'd in Lab: 5/26/18

**Report Information - Data Deliverables**

FAX  ADEx

Criteria Checker: \_\_\_\_\_  
 (Default based on Regulatory Criteria Indicated)

Other Formats: \_\_\_\_\_

EMAIL (standard pdf report)

Additional Deliverables: ASP-B

Report to: (if different than Project Manager) \_\_\_\_\_

**Billing Information**

Same as Client info PO #: \_\_\_\_\_

**Regulatory Requirements/Report Limits**

State/Fed	Program	Res / Comm

Other Project Specific Requirements/Comments:

Project-Specific Target Compound List:

**All Columns Below Must Be Filled Out**

ALPHA Lab ID (Lab Use Only)	Sample ID	COLLECTION					Sample Matrix*	Sampler's Initials	Can Size	ID Can	ID - Flow Controller	ANALYSIS					Sample Comments (i.e. PID)
		End Date	Start Time	End Time	Initial Vacuum	Final Vacuum						TO-15	TO-15 SIM	APH (includes Non-halogenated HCs)	Fixed Gases	Sulfides & Mercaptans by TO-15	
<u>19535.01</u>	<u>SV02_052518</u>	<u>5/25/18</u>	<u>10:22</u>	<u>12:22</u>	<u>-29.65</u>	<u>-5.95</u>	<u>SV</u>	<u>MP</u>	<u>6L</u>	<u>24410159</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<u>X</u>	
<u>.02</u>	<u>SV01_052518</u>	<u>5/25/18</u>	<u>10:24</u>	<u>12:24</u>	<u>-30.05</u>	<u>-6.13</u>	<u>SV</u>	<u>MP</u>	<u>6L</u>	<u>18630275</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<u>X</u>	

**\*SAMPLE MATRIX CODES** AA = Ambient Air (Indoor/Outdoor)  
 SV = Soil Vapor/Landfill Gas/SVE  
 Other = Please Specify

Container Type: 6L Sample

Relinquished By: <u>[Signature]</u>	Date/Time: <u>5/25/18 14:50</u>	Received By: <u>[Signature]</u>	Date/Time: <u>5/25/18 20:45</u>
<u>[Signature]</u>	<u>5/26/18 06:40</u>	<u>[Signature]</u>	<u>5/26/18 01:45</u>
<u>[Signature]</u>	<u>05/26/18 06:20</u>	<u>[Signature]</u>	<u>5/26/18 06:20</u>

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

**APPENDIX B**  
GEOPHYSICAL SURVEY REPORTS



# **GEOPHYSICAL ENGINEERING SURVEY REPORT**

Commercial Buildings

266-270 West 96th Street,

New York, New York 10025

## **NOVA PROJECT NUMBER:**

20-1911

## **DATED:**

November 20, 2020

## **PREPARED FOR:**

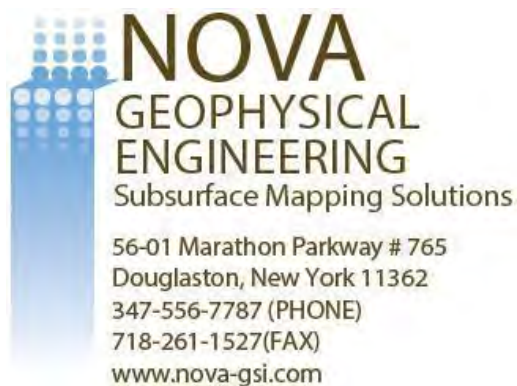
# **LANGAN**

21 Penn Plaza

360 West 31st Street, 8th Floor

New York, New York 10001-2727

## **PREPARED BY:**



# NOVA GEOPHYSICAL SERVICES

SUBSURFACE MAPPING SOLUTIONS

56-01 Marathon Parkway #765, Douglaston, New York 11362

Ph. 347-556-7787 Fax. 718-261-1527

[www.novagsi.com](http://www.novagsi.com)

November 20, 2020

Kimberly Semon, PE  
Project Manager

## **LANGAN**

21 Penn Plaza

360 West 31st Street, 8th Floor

New York, New York 10001-2727

P: 212.479.5486 | E: [KSemon@langan.com](mailto:KSemon@langan.com)

Re: Geophysical Engineering Survey (GES) Report  
Commercial Buildings  
266-270 West 96th Street,  
New York, New York 10025

Dear Ms. Semon,

Nova Geophysical Services (NOVA) is pleased to provide the findings of the geophysical engineering survey (GES) at the above referenced project site: 266-270 West 96th Street, New York, New York 10025 (the "Site").

## INTRODUCTION TO GEOPHYSICAL ENGINEERING SURVEY (GES)

NOVA performed a geophysical engineering survey (GES) consisting of a Ground Penetrating Radar (GPR) and Electromagnetic (EM) survey at the site. The purpose of this survey is to locate and identify utilities, underground storage tanks and other substructures on October 29<sup>th</sup> & November 12<sup>th</sup>, 2020.

The equipment selected for this investigation was a Sensors and Software Noggin 250 MHz ground penetrating radar (GPR) with a shielded antenna, GSSI UtilityScan 350 MHz GPR with a shielded antenna and a Radio Detection RD7100 Electromagnetic utility locator.

A GPR system consists of a radar control unit, control cable, and transducer (antenna). The control unit transmits a trigger pulse at a normal repetition rate of 250/350 MHz. The trigger pulse is sent to the transmitter electronics in the transducer via the control cable. The transmitter electronics amplify the trigger pulse into bipolar pulses that are radiated to the surface. The transformed pulses vary in shape and frequency according to the transducer used. In the subsurface, variations of the signal occur at boundaries where there is a dielectric contrast (void, steel, soil type, etc.). Signal reflections travel back to the control unit and are represented as color graphic images for interpolation.



A typical electromagnetic (EM) utility locating system consists of a transmitter unit and a receiver unit. The receiver unit can be used independently of the transmitter unit in order to detect utility lines with an inherent EM signature (electric utility lines, water lines, etc.). If needed a current at a specific frequency can also be placed on a utility that is being located. This can be done via the transmitter unit by either direct connection or induction via an EM field varying at specific frequency. The receiver unit is then set to the selected frequency and the electromagnetic field created by the current running through the utility can be located allowing the utility to be marked.

## GEOPHYSICAL METHODS

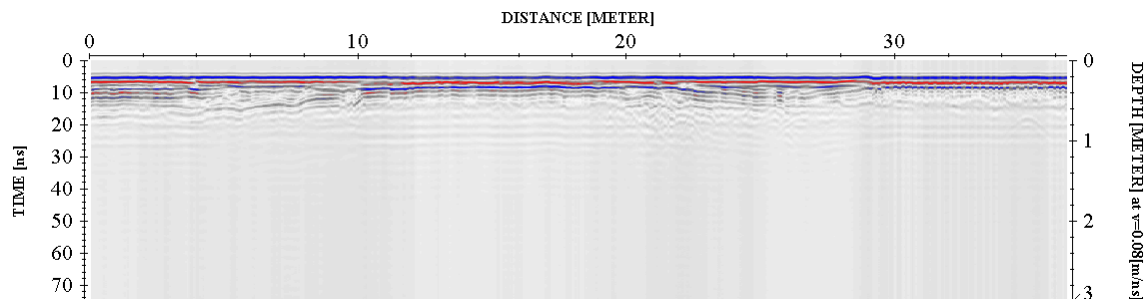
The project site was screened using GPR to search the specified area and inspected for reflections, which could be indicative of substructures and utilities within the subsurface. An EM utility locator was used to help determine the locations of utilities within the survey area.

EM data was collected and interpreted on site and suspected utilities marked as needed. GPR data profiles were collected for the areas of the Site specified by the client and processed as specified below.

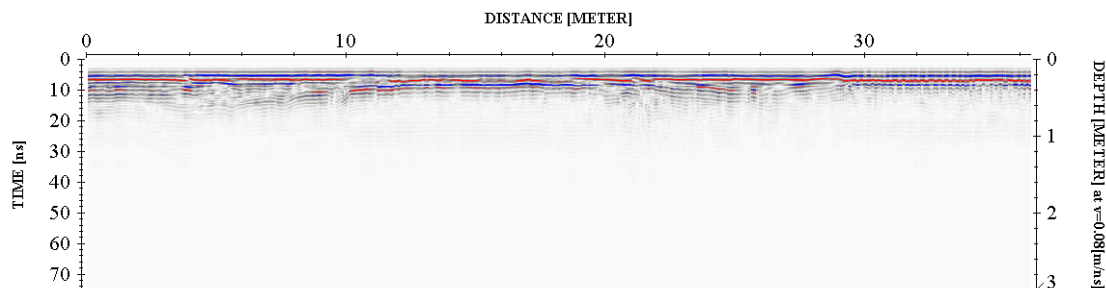
## DATA PROCESSING

In order to improve the quality of the results and to better identify anomalies NOVA processed the collected data. The processing work flow is briefly described in this section.

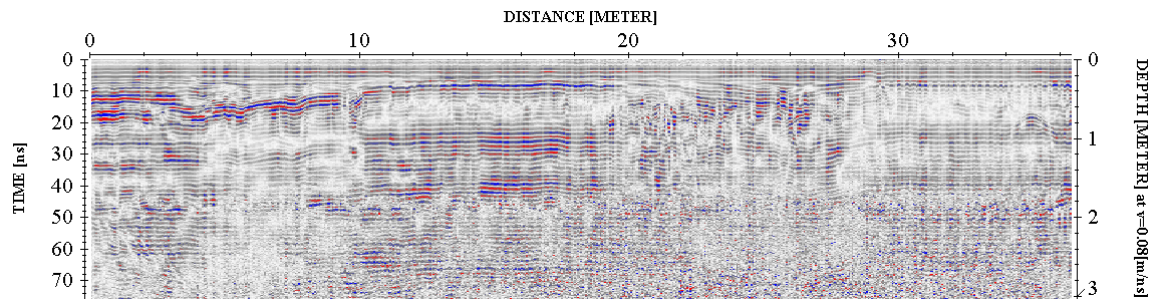
### Step 1. Import Raw RAMAC data to standard processing format



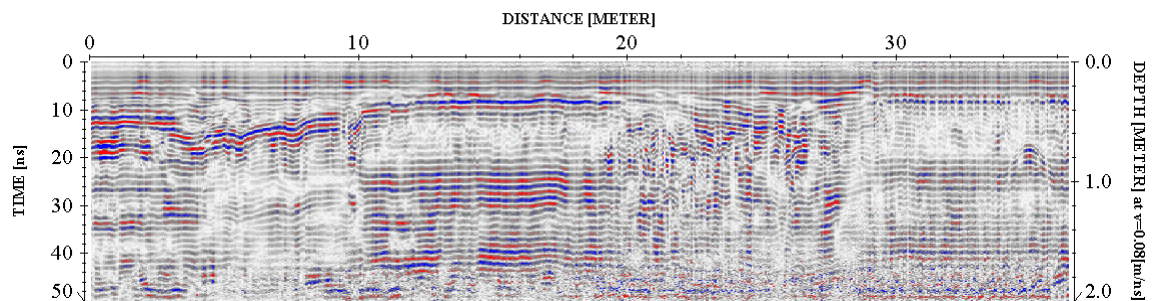
### Step 2. Remove instrument noise (dewow)



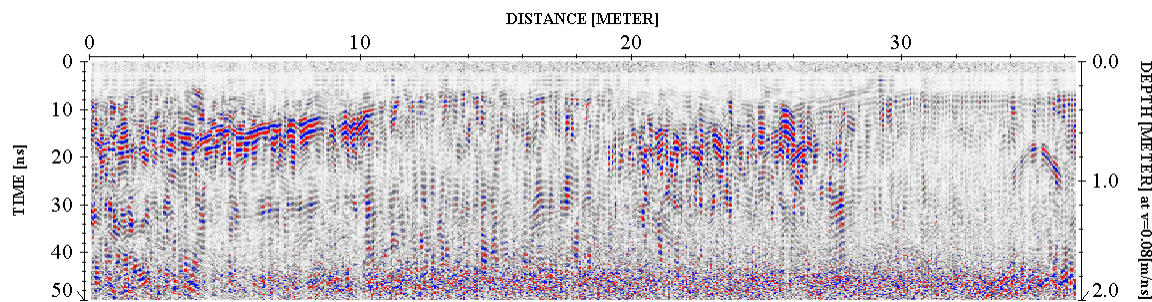
**Step 3. Correct for attenuation losses (*energy decay function*)**



**Step 4. Remove static from bottom of profile (*time cut*)**



**Step 5. Mute horizontal ringing/noise (*subtracting average*)**



The above example shows the significance of data processing. The last image (step 5) has higher resolution than the starting image (raw data – step 1) and represents the subsurface anomalies much more accurately.

## PHYSICAL SETTINGS

NOVA observed the following physical conditions at the time of the survey.

**Weather:** Rain

**Temperature:** 50° F

**Surface:** Concrete

**Survey Parameters:** A GPR grid scan of the survey area, as shown in the survey plan, was completed with an approximate line spacing of two to four feet. Exceptions are noted in the limitations section. Additional traces were collected in areas identified as having features of interest and in the vicinity of proposed boring locations during the grid scan. An EM utility locator was used in conjunction with the GPR throughout the survey area.

**Limitations:** The geophysical noise level at the site was high due to being located in an urban area. A crawl space in one property within the survey area could not be surveyed. Narrow hallways, standing water, site clutter and other immobile objects reduced the coverage of the GPR grid scan throughout the interior areas of the site. See geophysical images.

## RESULTS

The results of the geophysical engineering survey (GES) identified the following at the project site:

- Anomalies resembling potential subsurface utilities (such as sewer, electric, water, and gas) were identified within the survey area. The approximate locations are shown in the survey plan.
- The basement of the easternmost property was determined to be extending beneath the sidewalk. Shown in the survey plan.
- Two aboveground storage tanks (ASTs) were identified along with geophysical anomalies resembling related lines during the GES. Shown in the survey plan.
- No large geophysical anomalies resembling a potential underground storage tank were identified during the GES.
- All cleared boring locations are shown in the survey plan.

If you have any questions, please do not hesitate to contact the undersigned.

Sincerely,

**NOVA Geophysical Services**



Levent Eskicakit, P.G., E.P.

Project Engineer

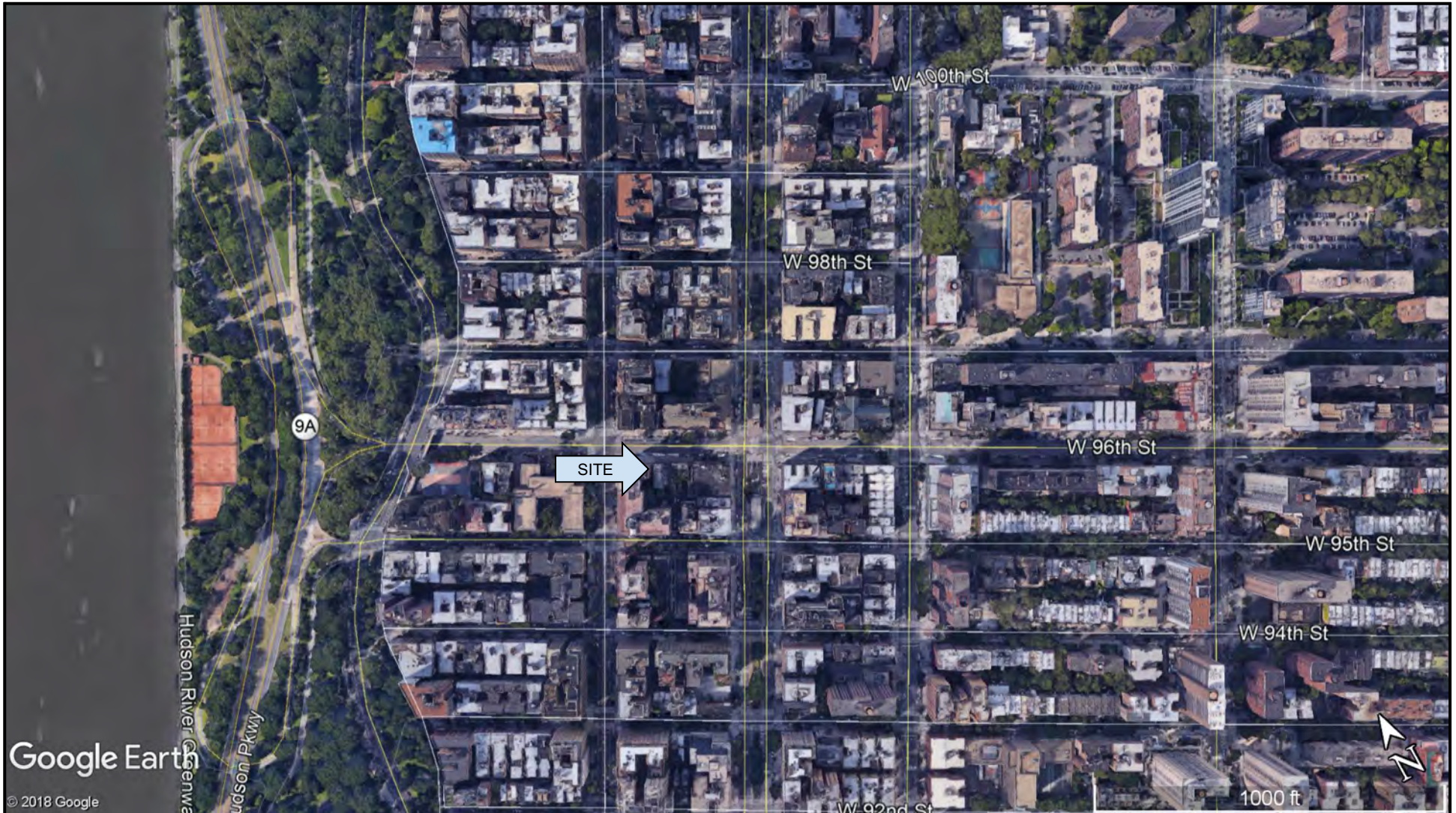
**Attachments:**

Location Map

Survey Plan

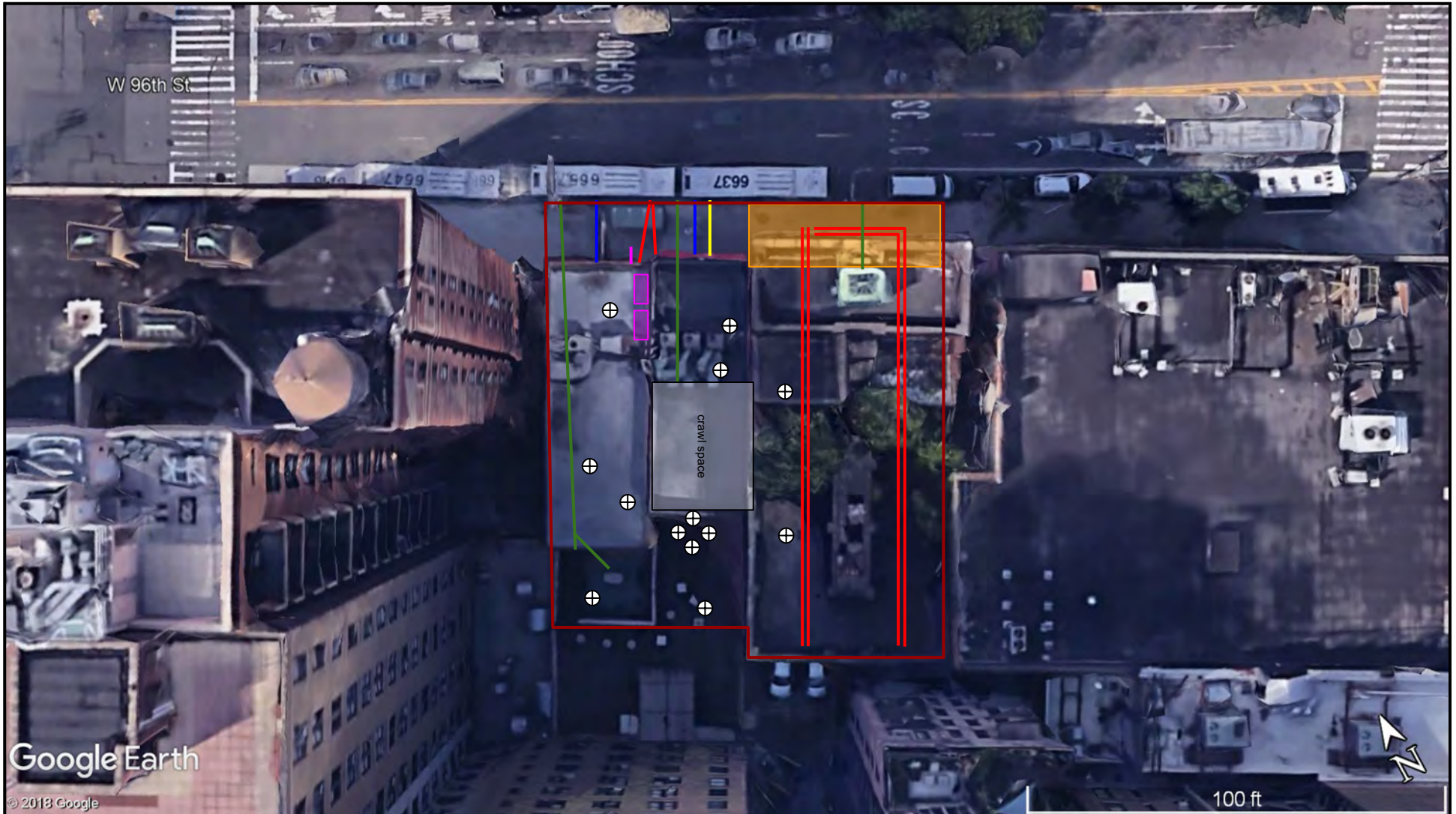
Geophysical Images





<p style="text-align: center;"><b>NOVA</b> <b>Geophysical</b> <b>Services</b></p> <p style="text-align: center;"><b>Subsurface Mapping Solutions</b> 56-01 Marathon Parkway, # 765 Douglaston, New York 11362 Phone (347) 556-7787 * Fax (718) 261-1527 <a href="http://www.novagsi.com">www.novagsi.com</a></p>	<b>SITE LOCATION MAP</b>	<b>LEGEND</b>
	<p>SITE:           <b>Commercial Site</b> 266-270 West 96th Street, New York, New York 10025</p> <p>CLIENT:         Langan</p> <p>DATE:            October 29 &amp; November 12, 2020</p> <p>AUTH:            Chris Steinley</p>	





Google Earth

© 2018 Google

100 ft

# NOVA Geophysical Services

**Subsurface Mapping Solutions**

56-01 Marathon Parkway, # 765  
Douglaston, New York 11362

Phone (347) 556-7787 \* Fax (718) 261-1527  
[www.novagsi.com](http://www.novagsi.com)

## SURVEY PLAN

SITE: **Commercial Site**  
266-270 West 96th Street,  
New York, New York 10025

CLIENT: Langan

DATE: October 29 & November 12, 2020

AUTH: Chris Steinley

## LEGEND

- Survey Area
- Sewer
- Water
- Electric
- Gas
- Basement
- AST
- Fill Port
- ⊕ Boring Area

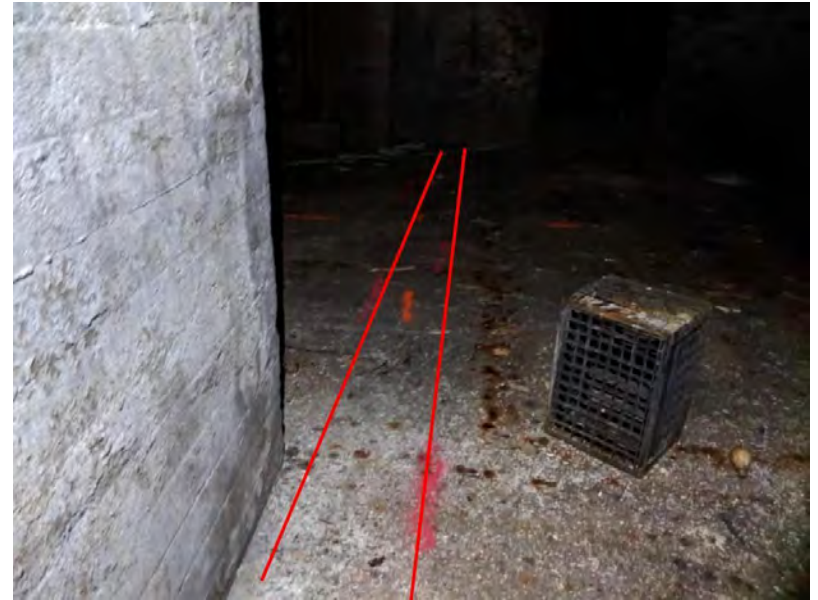
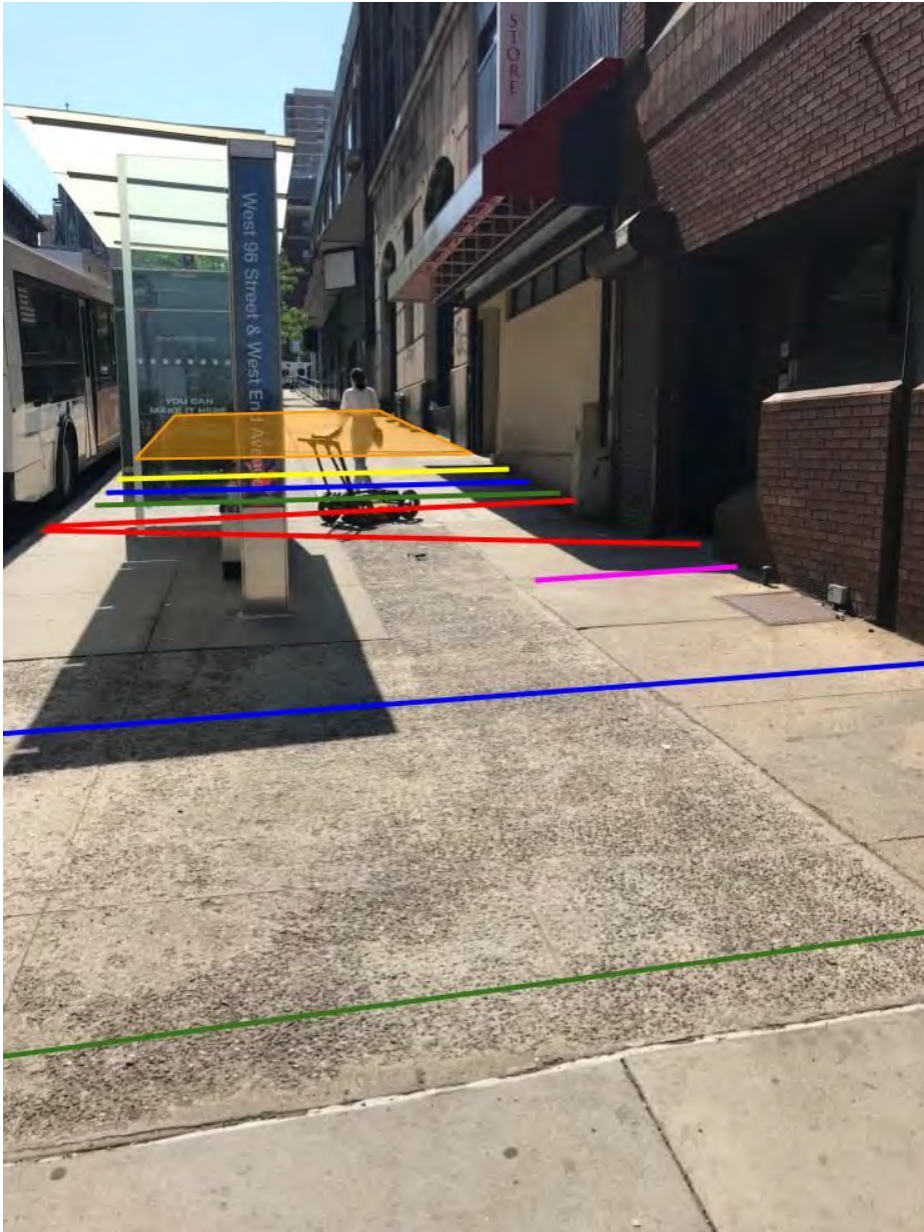


## GEOPHYSICAL IMAGES

Commercial Site

266-270 West 96th Street,  
New York, New York 10025

October 29 & November 12, 2020





# GEOPHYSICAL IMAGES

## Commercial Site

266-270 West 96th Street,  
New York, New York 10025  
October 29 & November 12, 2020

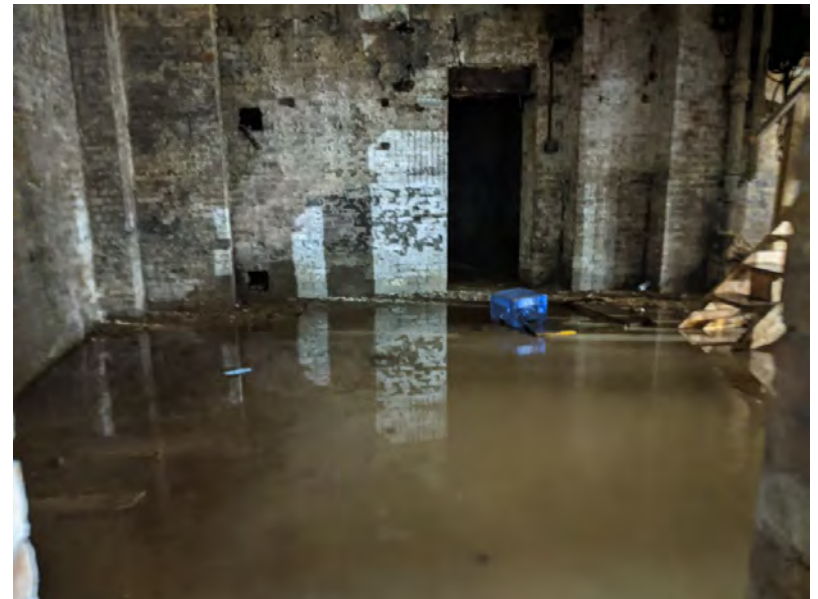
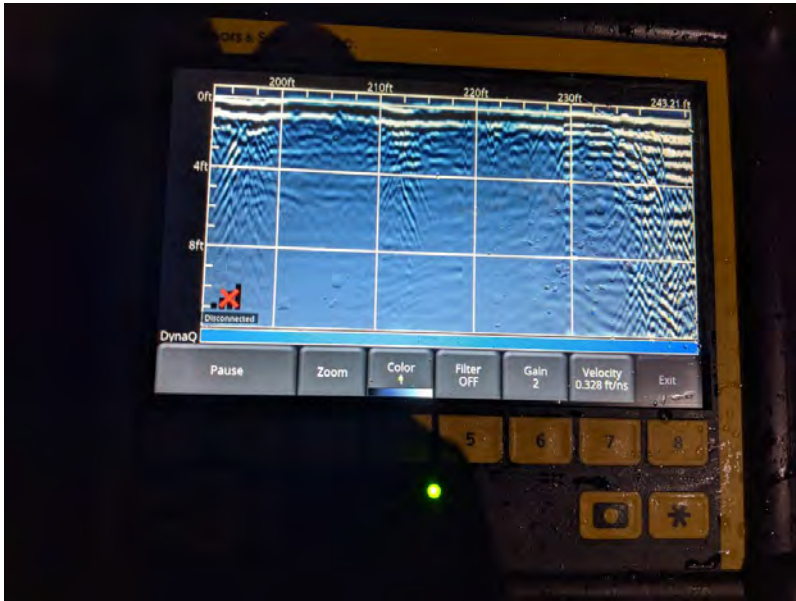




## GEOPHYSICAL IMAGES

### Commercial Site

266-270 West 96th Street,  
New York, New York 10025  
October 29 & November 12, 2020



## **GEOPHYSICAL IMAGES**

### **Commercial Site**

266-270 West 96th Street,  
New York, New York 10025  
October 29 & November 12, 2020





## **GEOPHYSICAL IMAGES**

### **Commercial Site**

266-270 West 96th Street,  
New York, New York 10025  
October 29 & November 12, 2020



## **GEOPHYSICAL IMAGES**

### **Commercial Site**

266-270 West 96th Street,  
New York, New York 10025  
October 29 & November 12, 2020





## **GEOPHYSICAL IMAGES**

**Commercial Site**

266-270 West 96th Street,  
New York, New York 10025

October 29 & November 12, 2020





**GEOPHYSICAL IMAGES**

**Commercial Site**

266-270 West 96th Street,  
New York, New York 10025  
October 29 & November 12, 2020





**GEOPHYSICAL IMAGES**

**Commercial Site**

266-270 West 96th Street,  
New York, New York 10025

October 29 & November 12, 2020



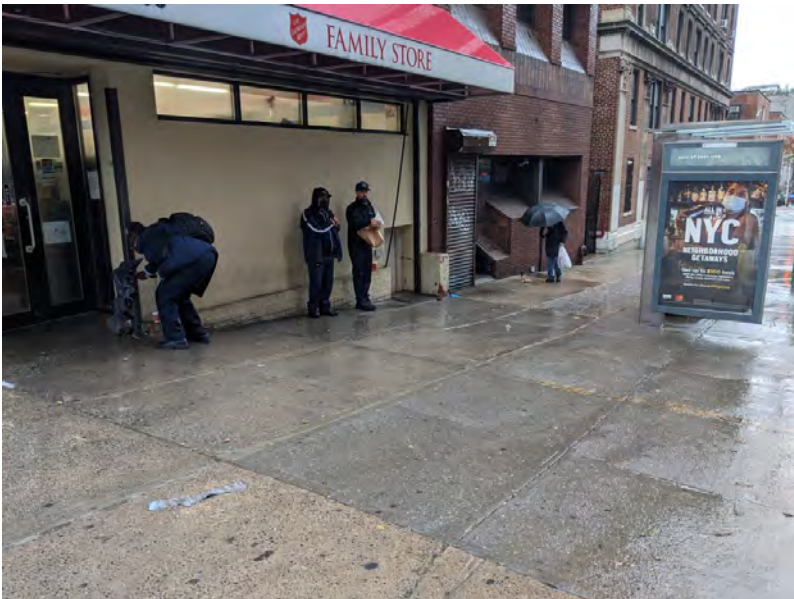
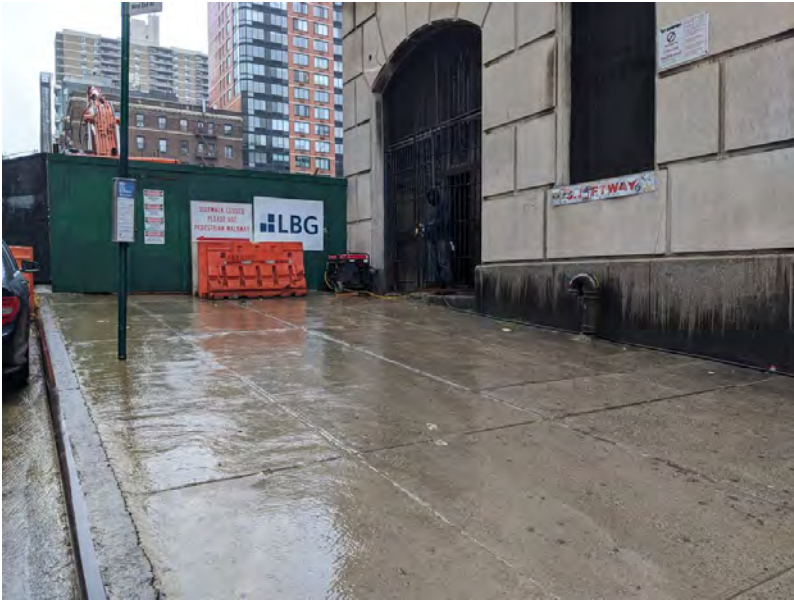


# GEOPHYSICAL IMAGES

Commercial Site

266-270 West 96th Street,  
New York, New York 10025

October 29 & November 12, 2020





# GEOPHYSICAL IMAGES

## Commercial Site

266-270 West 96th Street,  
New York, New York 10025

October 29 & November 12, 2020

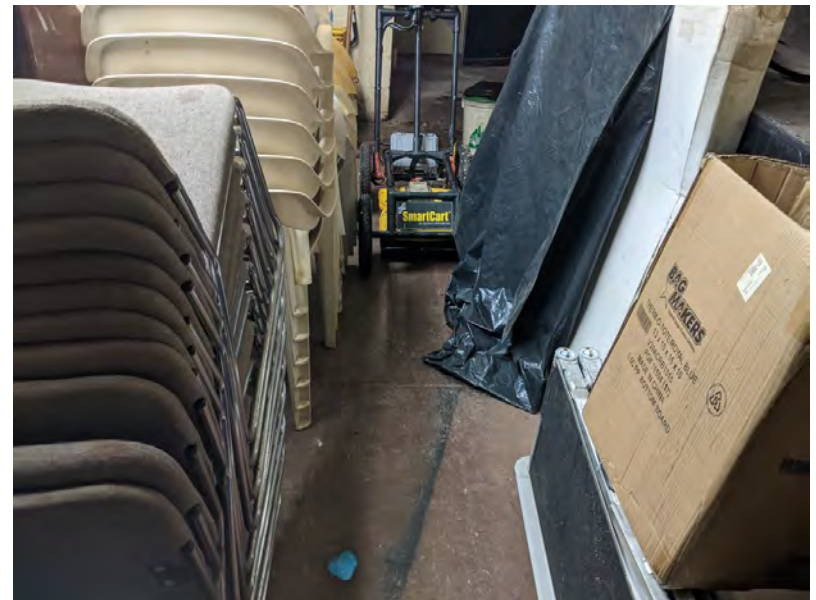


## GEOPHYSICAL IMAGES

Commercial Site

266-270 West 96th Street,  
New York, New York 10025

October 29 & November 12, 2020





## GEOPHYSICAL IMAGES

### Commercial Site

266-270 West 96th Street,  
New York, New York 10025  
October 29 & November 12, 2020





## GEOPHYSICAL IMAGES

### Commercial Site

266-270 West 96th Street,  
New York, New York 10025  
October 29 & November 12, 2020





**GEOPHYSICAL IMAGES**

**Commercial Site**

266-270 West 96th Street,  
New York, New York 10025  
October 29 & November 12, 2020





**GEOPHYSICAL IMAGES**

**Commercial Site**

266-270 West 96th Street,  
New York, New York 10025

October 29 & November 12, 2020





## GEOPHYSICAL IMAGES

Commercial Site

266-270 West 96th Street,  
New York, New York 10025

October 29 & November 12, 2020





## GEOPHYSICAL IMAGES

Commercial Site

266-270 West 96th Street,  
New York, New York 10025

October 29 & November 12, 2020



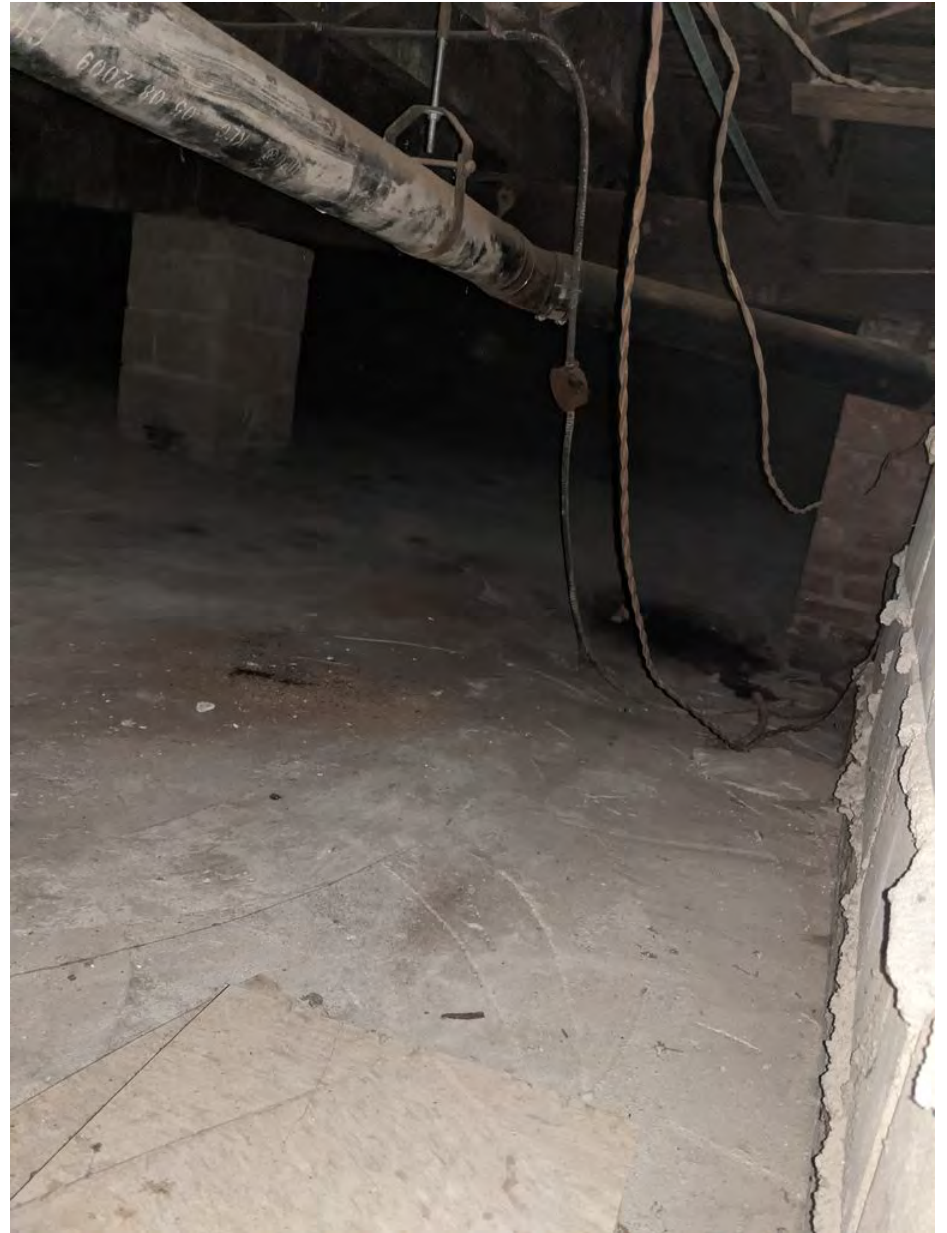


**GEOPHYSICAL IMAGES**

**Commercial Site**

266-270 West 96th Street,  
New York, New York 10025

October 29 & November 12, 2020



## **GEOPHYSICAL IMAGES**

### **Commercial Site**

266-270 West 96th Street,  
New York, New York 10025  
October 29 & November 12, 2020



**APPENDIX C**  
SOIL BORING LOGS

Project 266 - 270 West 96th Street				Project No. 170432001			
Location New York, NY				Elevation and Datum NA			
Drilling Company AARCO Environmental Services, Corp.				Date Started 11/19/20		Date Finished 11/19/20	
Drilling Equipment Geoprobe 420M Direct Push				Completion Depth 6 ft		Rock Depth NA	
Size and Type of Bit 2-inch direct push				Number of Samples 2		Disturbed NA	Undisturbed NA
Casing Diameter (in) NA		Casing Depth (ft) NA		Water Level (ft.) First NA		Completion NA	24 HR. NA
Casing Hammer NA		Weight (lbs) NA		Drop (in) NA		Drilling Foreman Tom Seickel	
Sampler 3-foot acetate liner				Field Engineer Meghan Aronica			
Sampler Hammer NA		Weight (lbs) NA		Drop (in) NA			

I:\LANGAN.COM\DATA\ANY\DATA0170432001\ENGINEERING DATA\ENVIRONMENTAL\GINTLOGS\170432001\_ENTERPRISE.GPJ ... 1/4/2021 11:48:30 AM ... Report: Log - LANGAN

MATERIAL SYMBOL	Elev. (ft)	Sample Description	Depth Scale	Sample Data					Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
				Number	Type	Recov. (in)	Penetr. resist. BLU/in	PID Reading (ppm)	
[Cross-hatched pattern]		R1: (0-17") Tannish grayish brown fine SAND, trace silt (moist)[FILL]	0					0	Sample SB09_0-2
			1	1	Macrocore	17		0	
		R2A: (0-10") Grayish brown fine SAND, trace silt (moist)[FILL]	3					0	Sample SB09_4-6
			4	2	Macrocore	19		0	
		R2B: (10-19") Olive and orange fine SAND, black banding, some silt, trace clay (wet)[FILL]	6					0	Refusal at 6 feet. EOB at 6.0 feet. Backfilled with cuttings and clean sand, capped at grade with concrete.
			7						
			8						
			9						
			10						
			11						
			12						
			13						
			14						
			15						
			16						
			17						
			18						
			19						
			20						

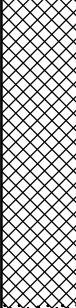

Project 266 - 270 West 96th Street				Project No. 170432001			
Location New York, NY				Elevation and Datum NA			
Drilling Company AARCO Environmental Services, Corp.				Date Started 11/19/20		Date Finished 11/19/20	
Drilling Equipment Geoprobe 420M Direct Push				Completion Depth 5 ft		Rock Depth NA	
Size and Type of Bit 2-inch direct push				Number of Samples 2		Disturbed NA	Undisturbed NA
Casing Diameter (in) NA		Casing Depth (ft) NA		Water Level (ft.) First NA		Completion NA	24 HR. NA
Casing Hammer NA		Weight (lbs) NA		Drop (in) NA		Drilling Foreman Tom Seickel	
Sampler 3-foot acetate liner				Field Engineer Meghan Aronica			
Sampler Hammer NA		Weight (lbs) NA		Drop (in) NA			

I:\LANGAN.COM\DATA\ANY\DATA0170432001\ENGINEERING DATA\ENVIRONMENTAL\GINTLOGS\170432001\_ENTERPRISE.GPJ ... 1/4/2021 11:48:32 AM ... Report: Log - LANGAN

MATERIAL SYMBOL	Elev. (ft)	Sample Description	Depth Scale	Sample Data					Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
				Number	Type	Recov. (in)	Penetr. resist. BU/in	PID Reading (ppm)	
		R1: (0-21") Tannish brown fine SAND, trace silt, brick (moist)[FILL]	0					0	Sample SB10_0-2
			1	1	Macrocore	21		0	
		R2: (0-19") Tannish brown fine SAND, trace silt (moist)[FILL]	2					0	Sample SB10_3.5-5
			3	2	Macrocore	19		0	
			4					0	Refusal at 5 feet. EOB at 5.0 feet. Backfilled with cuttings and clean sand, capped at grade with concrete.
			5					0	
			6					0	
			7					0	
			8					0	
			9					0	
			10					0	
			11					0	
			12					0	
			13					0	
			14					0	
			15					0	
			16					0	
			17					0	
			18					0	
			19					0	
			20					0	

Project 266 - 270 West 96th Street				Project No. 170432001			
Location New York, NY				Elevation and Datum NA			
Drilling Company AARCO Environmental Services, Corp.				Date Started 11/19/20		Date Finished 11/19/20	
Drilling Equipment Geoprobe 420M Direct Push				Completion Depth 6 ft		Rock Depth NA	
Size and Type of Bit 2-inch direct push				Number of Samples 2		Disturbed NA	Undisturbed NA
Casing Diameter (in) NA		Casing Depth (ft) NA		Water Level (ft.) First NA		Completion NA	24 HR. NA
Casing Hammer NA		Weight (lbs) NA		Drop (in) NA		Drilling Foreman Tom Seickel	
Sampler 3-foot acetate liner				Field Engineer Meghan Aronica			
Sampler Hammer NA		Weight (lbs) NA		Drop (in) NA			

I:\LANGAN.COM\DATA\ANY\DATA0170432001\ENGINEERING DATA\ENVIRONMENTAL\GINTLOGS\170432001\_ENTERPRISE.GPJ ... 1/4/2021 11:48:33 AM ... Report: Log - LANGAN

MATERIAL SYMBOL	Elev. (ft)	Sample Description	Depth Scale	Sample Data					Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
				Number	Type	Recov. (in)	Penetr. resist. BLU/in	PID Reading (ppm)	
		R1:(0-24") Tannish brown fine SAND, trace silt (moist)[FILL]	0					0	Sample SB11_0-2
			1	1	Macrocore	24		0	
				2				0	
		R2A: (0-12") Tannish brown fine SAND, trace silt (moist)[FILL]	3					0	Sample SB11_4-5
			4	2	Macrocore	21		0	
		R2B:(12-21")Reddish brown fine SAND, trace silt (moist)[SP]	5					0	Sample SB11_5-6 Refusal at 6 feet. EOB at 6.0 feet. Backfilled with cuttings and clean sand, capped at grade with concrete.
			6					0	
			7						
			8						
			9						
			10						
			11						
			12						
			13						
			14						
			15						
			16						
			17						
			18						
			19						
			20						

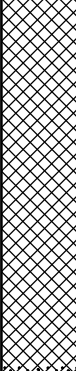
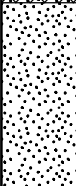

Project 266 - 270 West 96th Street				Project No. 170432001			
Location New York, NY				Elevation and Datum NA			
Drilling Company AARCO Environmental Services, Corp.				Date Started 11/2/20		Date Finished 11/2/20	
Drilling Equipment Geoprobe 420M Direct Push				Completion Depth 12.5 ft		Rock Depth NA	
Size and Type of Bit 2-inch direct push				Number of Samples		Disturbed 3	Undisturbed NA
Casing Diameter (in) NA		Casing Depth (ft) NA		Water Level (ft.) First 9		Completion NA	24 HR. NA
Casing Hammer NA		Weight (lbs) NA		Drop (in) NA		Drilling Foreman Jose Renjito	
Sampler 3-foot acetate liner				Field Engineer Meghan Aronica			
Sampler Hammer NA		Weight (lbs) NA		Drop (in) NA			

I:\LANGAN.COM\DATA\ANYIDATA0\170432001\ENGINEERING DATA\ENVIRONMENTAL\GINT\LOGS\170432001 ENTERPRISE.GPJ ... 1/4/2021 11:48:34 AM ... Report: Log - LANGAN

MATERIAL SYMBOL	Elev. (ft)	Sample Description	Depth Scale	Sample Data					PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
				Number	Type	Recov. (in)	Penetr. resist. BU/in			
	0	R1: (0-9") Reddish brown fine SAND, some silt, trace fine gravel, brick (moist)[FILL]	0						0	Sample SB12_0-1
	1		1	Macrocore	9			0		
	2							0		
	3	R2: (0-19") Brown SAND, some silt, brick (moist)[FILL]	3					0		
	4		2	Macrocore	19			0		
	5							0		
	5	R3: (0-23") Brown fine SAND, some silt (moist)[SM]	5					0	Sample SB12_3.5-5	
	6		3	Macrocore	23			0		
	7	R4: (0-21") Brown fine SAND, some silt, trace clay (moist)[SM]	7					0	Sample SB12_11-12.5	
	8		4	Macrocore	21			0		
	9							0		
	10	R5: (0-15") Brown fine SAND, trace clay, trace silt, trace fine gravel (wet)[SP-SM]	10	5	Macrocore	15				0
	11	R6: (0-16") Brown medium SAND, trace clay, trace silt (wet)[SP-SM]	11					0	Refusal at 12.5 feet. EOB at 12.5 feet. Backfilled with cuttings and clean sand, capped at grade with concrete.	
	12		6	Macrocore	18			0		
	13		13							
	14		14							
	15		15							
	16		16							
	17		17							
	18		18							
	19		19							
	20		20							

Project 266 - 270 West 96th Street				Project No. 170432001			
Location New York, NY				Elevation and Datum NA			
Drilling Company AARCO Environmental Services, Corp.				Date Started 11/2/20		Date Finished 11/2/20	
Drilling Equipment Geoprobe 420M Direct Push				Completion Depth 9 ft		Rock Depth NA	
Size and Type of Bit 2-inch direct push				Number of Samples 3		Disturbed NA	Core NA
Casing Diameter (in) NA		Casing Depth (ft) NA		Water Level (ft.) First 7.5		Completion NA	24 HR. NA
Casing Hammer NA		Weight (lbs) NA		Drop (in) NA		Drilling Foreman Jose Renjito	
Sampler 3-foot acetate liner				Field Engineer Meghan Aronica			
Sampler Hammer NA		Weight (lbs) NA		Drop (in) NA			

I:\LANGAN.COM\DATA\ANY\DATA01\70432001\ENGINEERING DATA\ENVIRONMENTAL\GINTLOGS\170432001 ENTERPRISE.GPJ ... 1/4/2021 11:48:36 AM ... Report: Log - LANGAN

MATERIAL SYMBOL	Elev. (ft)	Sample Description	Depth Scale	Sample Data					Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
				Number	Type	Recov. (in)	Penetr. resist. BLU/in	PID Reading (ppm)	
	0	R1: (0-16") Brown fine SAND, trace silt, trace gravel, brick (moist)[FILL]	0					0	Sample SB13_0-1.5
	1		1	Macrocore	16			0	
	2							0	
	3	R2: (0-25") Brown fine SAND, trace silt, trace fine gravel, brick (moist)[FILL]	3					0	Sample SB13_4-6
	4		4	Macrocore	25			0	
	5							0	
	6	R3: (0-18") Reddish brown fine SAND, trace silt, trace fine gravel (wet)[SP]	6					0	Sample SB13_7.5-9
	7		3	Macrocore	18			0	
	8							0	
			9					0	Refusal at 9 feet. EOB at 9 feet. Backfilled with cuttings and clean sand, capped at grade with concrete
			10						
			11						
			12						
			13						
			14						
			15						
			16						
			17						
			18						
			19						
			20						



Project 266 - 270 West 96th Street			Project No. 170432001		
Location New York, NY			Elevation and Datum NA		
Drilling Company AARCO Environmental Services, Corp.			Date Started 11/20/20		Date Finished 11/20/20
Drilling Equipment Geoprobe 420M Direct Push			Completion Depth 7 ft		Rock Depth NA
Size and Type of Bit 2-inch direct push			Number of Samples	Disturbed 2	Undisturbed NA
Casing Diameter (in) NA		Casing Depth (ft) NA	Water Level (ft.) First NA	Completion NA	Core 24 HR. NA
Casing Hammer NA	Weight (lbs) NA	Drop (in) NA	Drilling Foreman CJ Blumberg		
Sampler 3-foot acetate liner			Field Engineer Meghan Aronica		
Sampler Hammer NA	Weight (lbs) NA	Drop (in) NA			

MATERIAL SYMBOL	Elev. (ft)	Sample Description	Depth Scale	Sample Data					Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
				Number	Type	Recov. (in)	Penetr. resist. BU/in	PID Reading (ppm)	
		R1: (0-5") Brown to grayish fine SAND, trace silt, trace fine gravel, brick (moist)[FILL]	0					1.3	Black staining and chemical-like odor from 0 to 0.5 feet Sample SB14_0-2
			1	1	Macrocore	5		0.3	
				2					
		R2: (0-16") Dark grayish brown fine SAND, trace silt, trace fine gravel, brick (moist)[FILL]	3						Chemical-like odor from 5 feet to 5.5 feet White powdery substance observed Sample SB14_5-6 Chemical-like odor from 6 feet to 7 feet Sample SB14_6-7 Refusal at 7 feet. EOB at 7.0 feet. Backfilled with clean sand, capped at grade with concrete.
			4	2	Macrocore	16		0.1	
			5					0.2	
		R3: (0-12") Grayish brown fine SAND, trace clay, trace silt, trace gravel, brick (moist)[FILL]	6					0.1	
			7	3	Macrocore	12		1.1	
			8					0.2	
			9						
			10						
			11						
			12						
			13						
			14						
			15						
			16						
			17						
			18						
			19						
			20						

I:\LANGAN.COM\DATA\ANYIDATA0\170432001\ENGINEERING DATA\ENVIRONMENTAL\GINTLOGS\170432001 ENTERPRISE.GPJ ... 1/4/2021 11:48:38 AM ... Report: Log - LANGAN

Project 266 - 270 West 96th Street				Project No. 170432001			
Location New York, NY				Elevation and Datum NA			
Drilling Company AARCO Environmental Services, Corp.				Date Started 10/29/20		Date Finished 10/29/20	
Drilling Equipment Geoprobe 420M Direct Push				Completion Depth 4.5 ft		Rock Depth NA	
Size and Type of Bit 2-inch direct push				Number of Samples 2		Disturbed 2	Undisturbed NA
Casing Diameter (in) NA		Casing Depth (ft) NA		Water Level (ft.) First NA		Completion NA	24 HR. NA
Casing Hammer NA		Weight (lbs) NA		Drop (in) NA		Drilling Foreman Sergio Manana	
Sampler 3-foot acetate liner				Field Engineer Meghan Aronica			
Sampler Hammer NA		Weight (lbs) NA		Drop (in) NA			

I:\LANGAN.COM\DATA\ANY\DATA0170432001\ENGINEERING DATA\ENVIRONMENTAL\GINTLOGS\170432001\_ENTERPRISE.GPJ ... 1/4/2021 11:48:39 AM ... Report: Log - LANGAN

MATERIAL SYMBOL	Elev. (ft)	Sample Description	Depth Scale	Sample Data					Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
				Number	Type	Recov. (in)	Penetr. resist. BU/in	PID Reading (ppm)	
		R1: (0-21") Brown fine SAND, some silt, trace fine gravel, brick (moist)[FILL]	0					0	Sample SB15_0-2
			1	1	Macrocore	21		0	
		R2: (0-9") Brown fine SAND, trace silt, trace fine gravel (moist)[FILL]	3					0	Sample SB15_2.5-4.5
			4	2	Macrocore	9		0	
			5						Refusal at 4.5 feet. EOB at 4.5 feet. Backfilled with cuttings and clean sand, capped at grade with concrete.
			6						
			7						
			8						
			9						
			10						
			11						
			12						
			13						
			14						
			15						
			16						
			17						
			18						
			19						
			20						

Project 266 - 270 West 96th Street				Project No. 170432001			
Location New York, NY				Elevation and Datum NA			
Drilling Company AARCO Environmental Services, Corp.				Date Started 10/30/20		Date Finished 10/30/20	
Drilling Equipment Geoprobe 420M Direct Push				Completion Depth 5 ft		Rock Depth NA	
Size and Type of Bit 2-inch direct push				Number of Samples		Disturbed 1	Undisturbed NA
Casing Diameter (in) NA		Casing Depth (ft) NA		Water Level (ft.) First NA		Completion NA	24 HR. NA
Casing Hammer NA		Weight (lbs) NA		Drop (in) NA		Drilling Foreman Sergio Manana	
Sampler 3-foot acetate liner				Field Engineer Meghan Aronica			
Sampler Hammer NA		Weight (lbs) NA		Drop (in) NA			

I:\LANGAN.COM\DATA\ANY\DATA0170432001\ENGINEERING DATA\ENVIRONMENTAL\GINTLOGS\170432001\_ENTERPRISE.GPJ ... 1/4/2021 11:48:40 AM ... Report: Log - LANGAN

MATERIAL SYMBOL	Elev. (ft)	Sample Description	Depth Scale	Sample Data					Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
				Number	Type	Recov. (in)	Penetr. resist. BU/in	PID Reading (ppm)	
		R1: (0-12") Brown fine SAND, some silt, trace fine gravel, coal (moist)[FILL]	0					0	
			1	1	Macrocore	12		0	Sample SB16_0-2
		R2: (0-29") Brown fine SAND, some silt, trace fine gravel, coal (moist)[FILL]	3					0	Sample SB16_2-4.5
			4	2	Macrocore	29		0	Sample SB16_3.5-4.5
			5					0	Refusal at 5 feet. EOB at 5 feet. Backfilled with cuttings and clean sand, capped at grade with concrete.
			6						
			7						
			8						
			9						
			10						
			11						
			12						
			13						
			14						
			15						
			16						
			17						
			18						
			19						
			20						

Project 266 - 270 West 96th Street				Project No. 170432001			
Location New York, NY				Elevation and Datum NA			
Drilling Company AARCO Environmental Services, Corp.				Date Started 10/29/20		Date Finished 10/29/20	
Drilling Equipment Geoprobe 420M Direct Push				Completion Depth 3 ft		Rock Depth NA	
Size and Type of Bit 2-inch direct push				Number of Samples 6		Disturbed NA	Undisturbed NA
Casing Diameter (in) NA		Casing Depth (ft) NA		Water Level (ft.) First NA		Completion NA	24 HR. NA
Casing Hammer NA		Weight (lbs) NA		Drop (in) NA		Drilling Foreman Sergio Manana	
Sampler 3-foot acetate liner				Field Engineer Meghan Aronica, Luke McCartney			
Sampler Hammer NA		Weight (lbs) NA		Drop (in) NA			

I:\LANGAN.COM\DATA\ANY\DATA0170432001\ENGINEERING DATA\ENVIRONMENTAL\GINTLOGS\170432001\_ENTERPRISE.GPJ ... 1/4/2021 11:48:41 AM ... Report: Log - LANGAN


MATERIAL SYMBOL	Elev. (ft)	Sample Description	Depth Scale	Sample Data					Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
				Number	Type	Recov. (in)	Penetr. resist. BU/in	PID Reading (ppm)	
		R1: (0-14") Brown silty fine SAND, trace fine gravel, brick (moist)[FILL]	0					0	Sample SB17_0-2  Refusal at 3 feet. EOB at 3 feet. Backfilled with cuttings and clean sand, capped at grade with concrete.
			1	1	Macrocore	14		0	
				2				0	
				3					
				4					
				5					
				6					
				7					
				8					
				9					
				10					
				11					
				12					
				13					
				14					
				15					
				16					
				17					
				18					
				19					
			20						

Project 266 - 270 West 96th Street			Project No. 170432001		
Location New York, NY			Elevation and Datum NA		
Drilling Company AARCO Environmental Services, Corp.		Date Started 11/3/20		Date Finished 11/3/20	
Drilling Equipment Geoprobe 420M Direct Push			Completion Depth 12 ft		Rock Depth NA
Size and Type of Bit 2-inch direct push			Number of Samples	Disturbed	Undisturbed
Casing Diameter (in) NA			Casing Depth (ft) NA	Water Level (ft.) First NA	Core NA
Casing Hammer NA		Weight (lbs) NA	Drop (in) NA	Drilling Foreman Sergio Manana	
Sampler 3-foot acetate liner			Field Engineer Meghan Aronica		
Sampler Hammer NA		Weight (lbs) NA	Drop (in) NA		

MATERIAL SYMBOL	Elev. (ft)	Sample Description	Depth Scale	Sample Data					Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)	
				Number	Type	Recov. (in)	Penetr. resist. BU/in	PID Reading (ppm)		
		R1: (0-18") Tannish brown medium SAND, trace silt, trace fine gravel, brick (moist)[FILL]	0					0		
			1	Macrocore	18			0	Sample SB18_0-1.5	
				2	Macrocore	18			0	
			R2: (0-18") Tannish brown to black fine SAND, trace silt, trace fine gravel, brick (moist)[FILL]	3					0	
				4	Macrocore	18			0	Staining and petroleum-like odor from 4.5 to 5.5 feet
				5					0	
			R3A: (0-12") Tannish brown to black fine SAND, trace silt, trace fine gravel, brick (moist)[FILL]	6					0	
				7	Macrocore	18			0	
				8					0	Sample SB18_7-8 Staining and petroleum-like odor from 7.5 to 8 feet
			R3B: (12-18") Tannish brown fine SAND, trace silt (moist)[SP-SM]	9					0	
			R4: (0-18") Reddish brown SAND, trace silt (moist)[SP-SM]	10	Macrocore	18			0	Sample SB18_8-9
				11					0	
			12					0		
			13						Refusal at 12 feet. EOB at 12 feet. Backfilled with clean sand, capped at grade with concrete.	
			14							
			15							
			16							
			17							
			18							
			19							
			20							

I:\LANGAN.COM\DATA\YIDATA\0170432001\ENGINEERING DATA\ENVIRONMENTAL\GINTLOGS\170432001 ENTERPRISE.GPJ ... 1/4/2021 11:48:42 AM ... Report: Log - LANGAN

Project 266 - 270 West 96th Street			Project No. 170432001		
Location New York, NY			Elevation and Datum NA		
Drilling Company AARCO Environmental Services, Corp.		Date Started 11/3/20		Date Finished 11/3/20	
Drilling Equipment Geoprobe 420M Direct Push			Completion Depth 11 ft		Rock Depth NA
Size and Type of Bit 2-inch direct push			Number of Samples	Disturbed 3	Undisturbed NA
Casing Diameter (in) NA		Casing Depth (ft) NA		Water Level (ft.) First NA	Completion NA
Casing Hammer NA	Weight (lbs) NA	Drop (in) NA		Drilling Foreman Sergio Manana	
Sampler 3-foot acetate liner			Field Engineer Meghan Aronica		
Casing Hammer NA	Weight (lbs) NA	Drop (in) NA			

MATERIAL SYMBOL	Elev. (ft)	Sample Description	Depth Scale	Sample Data					Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
				Number	Type	Recov. (in)	Penetr. resist. BLU/in	PID Reading (ppm)	
	0	R1: (0-13") Brown fine SAND, trace fine gravel, brick (moist)[FILL]	0					0	Black staining from 4 to 6 feet Sample SB19_4-5 Sample SB19_5-6 Sample SB19_7-8 Refusal at 11 feet. EOB at 11 feet. Backfilled with cuttings and clean sand, capped at grade with concrete.
	1		1	Macrocore	13			0	
	2							0	
	3	R2A: (0-6") Tannish grayish tan fine-medium SAND, trace silt, trace fine gravel, brick (moist)[FILL]						0	
	4	R2B: (6-13") Tannish grayish brown fine SAND, trace silt, trace fine gravel, brick [FILL]		2	Macrocore	13		0	
	5							0	
	6	R3A: (0-14") Grayish tannish brown medium SAND, trace silt, trace fine gravel (moist)[FILL]						0	
	7							0	
	8	R3B: (14-38") Grayish tannish brown fine SAND, trace silt (moist)[SP-SM]		3	Macrocore	50		0	
	9							0	
	10	R3C: (38-50") Reddish brown fine SAND, trace silt (moist)[SP-SM]						0	
11							0		
12							0		
13							0		
14							0		
15							0		
16							0		
17							0		
18							0		
19							0		
20							0		

I:\LANGAN.COM\DATA\ANYIDATA01\70432001\ENGINEERING DATA\ENVIRONMENTAL\GINTLOGS\170432001 ENTERPRISE.GPJ ... 1/4/2021 11:48:44 AM ... Report: Log - LANGAN

Project 266 - 270 West 96th Street				Project No. 170432001			
Location New York, NY				Elevation and Datum NA			
Drilling Company AARCO Environmental Services, Corp.				Date Started 11/3/20		Date Finished 11/3/20	
Drilling Equipment Geoprobe 420M Direct Push				Completion Depth 11 ft		Rock Depth NA	
Size and Type of Bit 2-inch direct push				Number of Samples 3		Disturbed NA	Undisturbed NA
Casing Diameter (in) NA		Casing Depth (ft) NA		Water Level (ft.) First NA		Completion NA	24 HR. NA
Casing Hammer NA		Weight (lbs) NA		Drop (in) NA		Drilling Foreman Sergio Manana	
Sampler 3-foot acetate liner				Field Engineer Meghan Aronica			
Sampler Hammer NA		Weight (lbs) NA		Drop (in) NA			

MATERIAL SYMBOL	Elev. (ft)	Sample Description	Depth Scale	Sample Data				Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)		
				Number	Type	Recov. (in)	Penetr. resist. BLU/in		PID Reading (ppm)	
		R1A: (0-12") Tannish brown medium SAND, trace fine gravel, brick (moist)[FILL]	0					0		
		R1B: (12-23") Reddish brown fine SAND, trace fine gravel, brick (moist)[FILL]	1	1	Macrocore	23			0	
			2						0.1	
			3						0.5	Sample SB20_1.5-2.5 Staining and petroleum-like odor from 2.5 to 3 feet
		R2A: (0-9") Orangish brown to black fine SAND, trace silt, trace fine gravel, brick (moist)[FILL]	4							Sample SB20_2.5-5
			5	2	Macrocore	17			0.2	Staining and petroleum-like odor from 3 to 5 feet
		R2B: (9-17") Grayish brown medium SAND, trace silt, trace fine gravel, brick (moist)[FILL]	6						0	Sample SB20_5.5-6
		R3A: (0-15") Grayish brown medium SAND, trace silt, trace fine gravel, brick (moist)[FILL]	7						0	
			8						0	
			9	3	Macrocore	30			0	
		R3B: (15-30") Orangish brown fine SAND, trace silt (moist)[SP-SM]	10						0	
		11						0	Refusal at 11 feet. EOB at 11 feet. Backfilled with clean sand, capped at grade with concrete.	
		12						0		
		13						0		
		14						0		
		15						0		
		16						0		
		17						0		
		18						0		
		19						0		
		20						0		

I:\LANGAN.COM\DATA\YIDATA01\70432001\ENGINEERING DATA\ENVIRONMENTAL\GINTLOGS\170432001 ENTERPRISE.GPJ ... 1/4/2021 11:48:45 AM ... Report: Log - LANGAN

Project 266 - 270 West 96th Street				Project No. 170432001			
Location New York, NY				Elevation and Datum NA			
Drilling Company AARCO Environmental Services, Corp.				Date Started 11/3/20		Date Finished 11/3/20	
Drilling Equipment Geoprobe 420M Direct Push				Completion Depth 12 ft		Rock Depth NA	
Size and Type of Bit 2-inch direct push				Number of Samples		Disturbed 4	Undisturbed NA
Casing Diameter (in) NA		Casing Depth (ft) NA		Water Level (ft.) First NA		Completion NA	Core 24 HR. NA
Casing Hammer NA		Weight (lbs) NA		Drop (in) NA		Drilling Foreman Sergio Manana	
Sampler 3-foot acetate liner				Field Engineer Meghan Aronica			
Sampler Hammer NA		Weight (lbs) NA		Drop (in) NA			

MATERIAL SYMBOL	Elev. (ft)	Sample Description	Depth Scale	Sample Data					Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
				Number	Type	Recov. (in)	Penetr. resist. BLU/in	PID Reading (ppm)	
		R1A: (0-6") Dark gray medium SAND, trace fine gravel (moist)[FILL] R1B: (6-21") Dark brown fine SAND, trace silt, trace fine gravel, brick (moist)[FILL]	0					0	
			1	1	Macrocore	21		0.1	Sample SB21_1-2
			R2: (0-21") Brown to orangish with black banding brown fine SAND, trace silt, trace fine gravel, brick (moist)[FILL]	2					
				3					
				4	2	Macrocore	21		0
				5					0
				6					0
			R3A: (0-8") Dark gray medium SAND, trace silt, trace fine gravel, brick (moist)[FILL]	7					0
			R3B: (8-18") Tannish brown fine SAND, trace silt (moist)[SP-SM]	8	3	Macrocore	18		0
				9					0
			R4: (0-18") Reddish brown fine SAND, trace silt (moist)[SP-SM]	10	4	Macrocore	18		0
				11					0
			12					0	
			13						
			14						
			15						
			16						
			17						
			18						
			19						
			20						
								Refusal at 12 feet. EOB at 12 feet. Backfilled with clean sand, capped at grade with concrete.	

I:\LANGAN.COM\DATA\ANYIDATA01\70432001\ENGINEERING DATA\ENVIRONMENTAL\GINTLOGS\170432001 ENTERPRISE.GPJ ... 1/4/2021 11:48:47 AM ... Report: Log - LANGAN



Project 266 - 270 West 96th Street				Project No. 170432001			
Location New York, NY				Elevation and Datum NA			
Drilling Company AARCO Environmental Services, Corp.				Date Started 11/20/20		Date Finished 11/20/20	
Drilling Equipment Geoprobe 420M Direct Push				Completion Depth 6 ft		Rock Depth NA	
Size and Type of Bit 2-inch direct push				Number of Samples 2		Disturbed NA	Undisturbed NA
Casing Diameter (in) NA		Casing Depth (ft) NA		Water Level (ft.) First NA		Completion NA	24 HR. NA
Casing Hammer NA		Weight (lbs) NA		Drop (in) NA		Drilling Foreman CJ Blumberg	
Sampler 3-foot acetate liner				Field Engineer Meghan Aronica			
Sampler Hammer NA		Weight (lbs) NA		Drop (in) NA			

I:\LANGAN.COM\DATA\ANYIDATA0\170432001\ENGINEERING DATA\ENVIRONMENTAL\GINTLOGS\170432001\_ENTERPRISE.GPJ ... 1/4/2021 11:48:48 AM ... Report: Log - LANGAN

MATERIAL SYMBOL	Elev. (ft)	Sample Description	Depth Scale	Sample Data				Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)	
				Number	Type	Recov. (in)	Penetr. resist. BU/in		PID Reading (ppm)
		R1A:(0-12") Gray fine SAND, trace silt, trace fine gravel (moist)[FILL]	0					4.5 1.0	Petroleum-like odor detected from 0 feet to 2 feet
		R1B:( 12-22") Grayish brown fine SAND, trace silt, trace fine gravel (moist)[FILL]	1	1	Macrocore	22		0.3	Sample SB23_0-1
			2					0.4	Sample SB23_0-2
		R2: (0-12") Grayish brown fine SAND, trace silt, trace fine gravel (moist)[FILL]	3						
			4	2	Macrocore	12			
				5				0.9 1.9	Sample SB23_5-6
			6					Refusal at 6 feet. EOB at 6 feet. Backfilled with clean sand, capped at grade with concrete.	
			7						
			8						
			9						
			10						
			11						
			12						
			13						
			14						
			15						
			16						
			17						
			18						
			19						
			20						

**APPENDIX D**  
WELL CONSTRUCTION LOGS

**OBSERVATION WELL CONSTRUCTION SUMMARY**  
Well No. MW-11

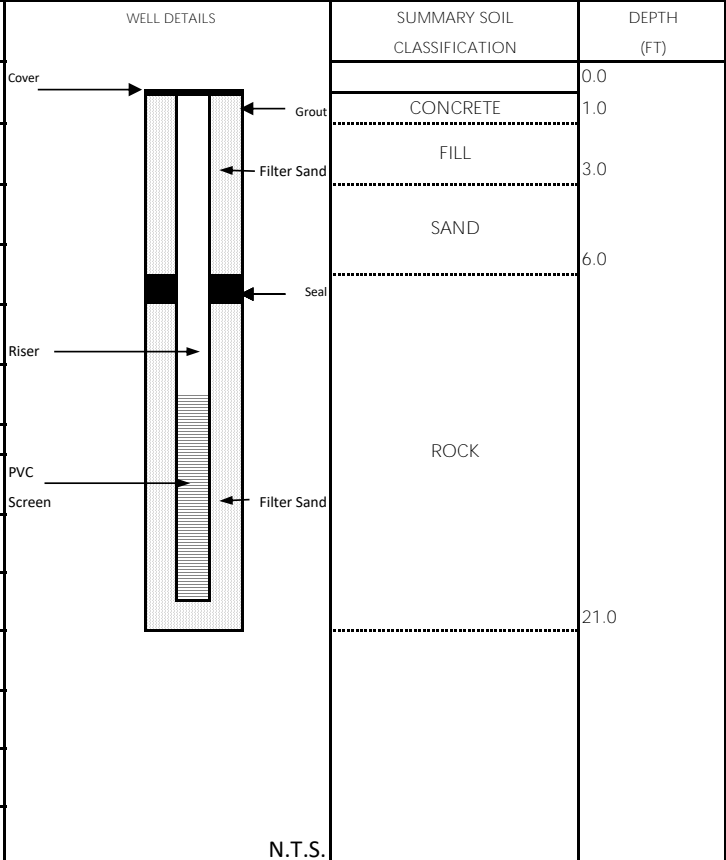
PROJECT 266-270 W 96th Street	PROJECT NO. 170432001
LOCATION 270 W 96th Street	ELEVATION AND DATUM 50.6 ft (NAVD88)
DRILLING AGENCY Warren George, Inc.	DATE STARTED 11/19/2020
	DATE FINISHED 11/20/2020
DRILLING EQUIPMENT Portable Electric Rig	DRILLER Cyril Farley
SIZE AND TYPE OF BIT 3 7/8" tricone roller bit	INSPECTOR Saskia Cooke

**METHOD OF INSTALLATION**  
10-ft of 2-in diameter PVC screen and 10-ft of riser were installed to a depth of 21-ft below grade; borehole casing was then removed. As the casing was removed 12.5-ft of sand filter was packed. A 2.5-ft bentonite seal was installed above the filter sand and the remainder of the annulus was packed with soil cuttings. Grout was placed at the top of the hole and a flush-mount well cap was installed.

**METHOD OF WELL DEVELOPMENT**  
The well was pumped until clear outflow was observed.

TYPE OF CASING 3" flush joint steel casing	DIAMETER 4.00 inches	TYPE OF BACKFILL MATERIAL Filter sand
TYPE OF SCREEN PVC	DIAMETER 2.00 inches	TYPE OF SEAL MATERIAL Bentonite pellets and grout
BOREHOLE NOMINAL DIAMETER 3 inches		TYPE OF FILTER MATERIAL No. 1 Filter Sand (Silica Quartz Sand)

TOP OF CASING	ELEVATION	DEPTH (ft)
		0
TOP OF SEAL	ELEVATION (ft)	DEPTH (ft)
	44.6	6
TOP OF FILTER	ELEVATION (ft)	DEPTH (ft)
	42.1	8.5
TOP OF SCREEN	ELEVATION (ft)	DEPTH (ft)
	40.6	10
BOTTOM OF BORING	ELEVATION (ft)	DEPTH (ft)
	29.6	21
SCREEN LENGTH	10 ft	
SLOT SIZE	0.01 in	
<b>GROUNDWATER ELEVATIONS</b>		
ELEVATION (ft)	DATE	DEPTH TO WATER (ft)
33.49	12/04/20 at 1:00 PM	17.1
ELEVATION (ft)	DATE	DEPTH TO WATER (ft)
* no standing water in well		
ELEVATION (ft)	DATE	DEPTH TO WATER (ft)
ELEVATION (ft)	DATE	DEPTH TO WATER (ft)
ELEVATION (ft)	DATE	DEPTH TO WATER (ft)
ELEVATION (ft)	DATE	DEPTH TO WATER (ft)



**OBSERVATION WELL CONSTRUCTION SUMMARY**  
Well No. MW-12

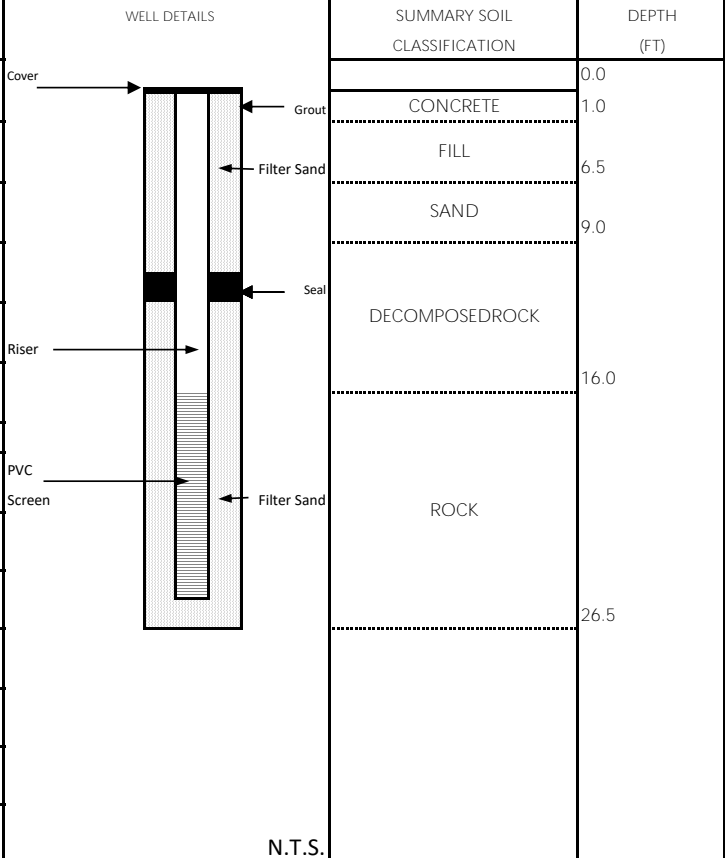
PROJECT 266-270 W 96th Street	PROJECT NO. 170432001
LOCATION 268 W 96th Street	ELEVATION AND DATUM 52.3 ft (NAVD88)
DRILLING AGENCY Warren George, Inc.	DATE STARTED 11/3/2020
	DATE FINISHED 11/5/2020
DRILLING EQUIPMENT Portable Electric Rig	DRILLER Cyril Farley
SIZE AND TYPE OF BIT 3 7/8" tricone roller bit	INSPECTOR Saskia Cooke

**METHOD OF INSTALLATION**  
10-ft of 2-in diameter PVC screen and 17-ft of riser were installed to a depth of 26.5-ft below grade; borehole casing was then removed. As the casing was removed 12.5-ft of sand filter was packed. A 2.5-ft bentonite seal was installed above the filter sand and the remainder of the annulus was packed with soil cuttings. Grout was placed at the top of the hole and a mount well cap was installed.

**METHOD OF WELL DEVELOPMENT**  
The well was pumped until clear outflow was observed.

TYPE OF CASING 3" flush joint steel casing	DIAMETER 4.00 inches	TYPE OF BACKFILL MATERIAL Filter sand
TYPE OF SCREEN PVC	DIAMETER 2.00 inches	TYPE OF SEAL MATERIAL Bentonite pellets and grout
BOREHOLE NOMINAL DIAMETER 3 inches		TYPE OF FILTER MATERIAL No. 1 Filter Sand (Silica Quartz Sand)

TOP OF CASING	ELEVATION	DEPTH (ft)
		0
TOP OF SEAL	ELEVATION (ft)	DEPTH (ft)
	40.8	11.5
TOP OF FILTER	ELEVATION (ft)	DEPTH (ft)
	38.3	14
TOP OF SCREEN	ELEVATION (ft)	DEPTH (ft)
	36.3	16
BOTTOM OF BORING	ELEVATION (ft)	DEPTH (ft)
	25.8	26.5
SCREEN LENGTH	10 ft	
SLOT SIZE	0.01 in	
<b>GROUNDWATER ELEVATIONS</b>		
ELEVATION (ft)	DATE	DEPTH TO WATER (ft)
40.69	12/04/20 at 12:20 PM	11.6
ELEVATION (ft)	DATE	DEPTH TO WATER (ft)
* no standing water in well		
ELEVATION (ft)	DATE	DEPTH TO WATER (ft)
ELEVATION (ft)	DATE	DEPTH TO WATER (ft)
ELEVATION (ft)	DATE	DEPTH TO WATER (ft)
ELEVATION (ft)	DATE	DEPTH TO WATER (ft)



**OBSERVATION WELL CONSTRUCTION SUMMARY**  
Well No. MW-17

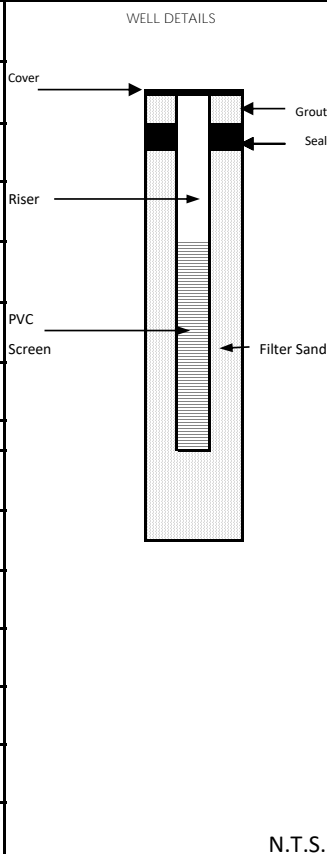
PROJECT 266-270 W 96th Street	PROJECT NO. 170432001	
LOCATION 266 W 96th Street	ELEVATION AND DATUM 51 ft (NAVD88)	
DRILLING AGENCY Warren George, Inc.	DATE STARTED 10/20/2020	DATE FINISHED 10/31/2020
DRILLING EQUIPMENT Portable Electric Rig	DRILLER Cyril Farley	
SIZE AND TYPE OF BIT 3 7/8" tricone roller bit	INSPECTOR Saskia Cooke	

**METHOD OF INSTALLATION**  
10-ft of 2-in diameter PVC screen and 4-ft of riser were installed to a depth of 13-ft below grade; borehole casing was then removed. As the casing was removed 11-ft of sand filter was packed. A 1.5-ft bentonite seal was installed above the filter sand and the remainder of the annulus was packed with soil cuttings. Grout was placed at the top of the hole and a mount well cap was installed.

**METHOD OF WELL DEVELOPMENT**  
The well was pumped until clear outflow was observed.

TYPE OF CASING 3" flush joint steel casing	DIAMETER 4.00 inches	TYPE OF BACKFILL MATERIAL Filter sand
TYPE OF SCREEN PVC	DIAMETER 2.00 inches	TYPE OF SEAL MATERIAL Bentonite pellets and grout
BOREHOLE NOMINAL DIAMETER 3 inches		TYPE OF FILTER MATERIAL No. 1 Filter Sand (Silica Quartz Sand)

TOP OF CASING	ELEVATION	DEPTH (ft)
		0
TOP OF SEAL	ELEVATION (ft)	DEPTH (ft)
	50.5	0.5
TOP OF FILTER	ELEVATION (ft)	DEPTH (ft)
	49	2
TOP OF SCREEN	ELEVATION (ft)	DEPTH (ft)
	48.5	2.5
BOTTOM OF BORING	ELEVATION (ft)	DEPTH (ft)
	38	13
SCREEN LENGTH	10 ft	
SLOT SIZE	0.01 in	



SUMMARY SOIL CLASSIFICATION	DEPTH (FT)
CONCRETE	0.0
DECOMPOSED ROCK	6.0
ROCK	13.0
N.T.S.	

GROUNDWATER ELEVATIONS		
ELEVATION (ft)	DATE	DEPTH TO WATER (ft)
46.15	11/19/20 at 2:00 PM	4.9
ELEVATION (ft)	DATE	DEPTH TO WATER (ft)
* no standing water in well		
ELEVATION (ft)	DATE	DEPTH TO WATER (ft)
ELEVATION (ft)	DATE	DEPTH TO WATER (ft)
ELEVATION (ft)	DATE	DEPTH TO WATER (ft)
ELEVATION (ft)	DATE	DEPTH TO WATER (ft)

LANGAN Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C.  
21 Penn Plaza, 360 W 31st Street, 7th Floor, New York, NY 10001

**OBSERVATION WELL CONSTRUCTION SUMMARY**  
Well No. MW-22

PROJECT 266-270 W 96th Street	PROJECT NO. 170432001	
LOCATION 266 W 96th Street	ELEVATION AND DATUM 51 ft (NAVD88)	
DRILLING AGENCY Warren George, Inc.	DATE STARTED 10/29/2020	DATE FINISHED 11/2/2020
DRILLING EQUIPMENT Portable Electric Rig	DRILLER Cyril Farley	
SIZE AND TYPE OF BIT 3 7/8" tricone roller bit	INSPECTOR Saskia Cooke	

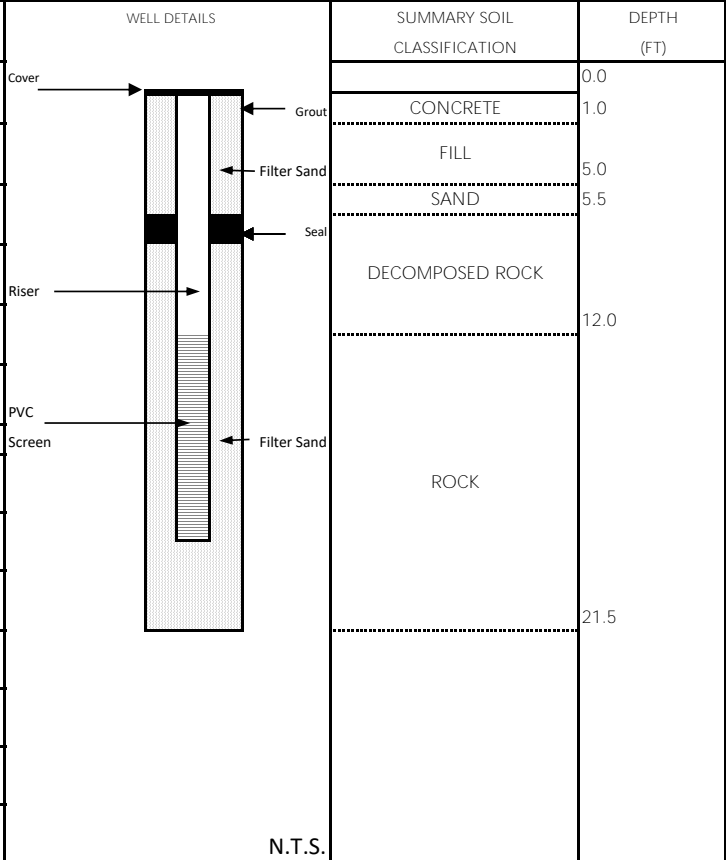
**METHOD OF INSTALLATION**  
10-ft of 2-in diameter PVC screen and 12-ft of riser were installed to a depth of 21.5-ft below grade; borehole casing was then removed. As the casing was removed 12-ft of sand filter was packed. A 2.5-ft bentonite seal was installed above the filter sand and the remainder of the annulus was packed with soil cuttings. Grout was placed at the top of the hole and a mount well cap was installed.

**METHOD OF WELL DEVELOPMENT**  
The well was pumped until clear outflow was observed.

TYPE OF CASING 3" flush joint steel casing	DIAMETER 4.00 inches	TYPE OF BACKFILL MATERIAL Filter sand
TYPE OF SCREEN PVC	DIAMETER 2.00 inches	TYPE OF SEAL MATERIAL Bentonite pellets and grout

BOREHOLE NOMINAL DIAMETER 3 inches	TYPE OF FILTER MATERIAL No. 1 Filter Sand (Silica Quartz Sand)
---------------------------------------	---

TOP OF CASING	ELEVATION	DEPTH (ft)
		0
TOP OF SEAL	ELEVATION (ft)	DEPTH (ft)
	44	7
TOP OF FILTER	ELEVATION (ft)	DEPTH (ft)
	41.5	9.5
TOP OF SCREEN	ELEVATION (ft)	DEPTH (ft)
	40.5	10.5
BOTTOM OF BORING	ELEVATION (ft)	DEPTH (ft)
	29.5	21.5
SCREEN LENGTH	10 ft	
SLOT SIZE	0.01 in	
<b>GROUNDWATER ELEVATIONS</b>		
ELEVATION (ft)	DATE	DEPTH TO WATER (ft)
45.56	11/18/20 at 11:00 AM	5.4
ELEVATION (ft)	DATE	DEPTH TO WATER (ft)
* no standing water in well		
ELEVATION (ft)	DATE	DEPTH TO WATER (ft)
ELEVATION (ft)	DATE	DEPTH TO WATER (ft)
ELEVATION (ft)	DATE	DEPTH TO WATER (ft)
ELEVATION (ft)	DATE	DEPTH TO WATER (ft)



## OBSERVATION WELL CONSTRUCTION SUMMARY

Well No. MW-24

<b>PROJECT</b> 266-270 W 96th Street	<b>PROJECT NO.</b> 170432001
<b>LOCATION</b> 266 W 96th Street	<b>ELEVATION AND DATUM</b> NA ft (NAVD88)
<b>DRILLING AGENCY</b> Warren George, Inc.	<b>DATE STARTED</b> 5/10/2021 <b>DATE FINISHED</b> 5/11/2021
<b>DRILLING EQUIPMENT</b> Portable Electric Rig	<b>DRILLER</b> Gregory Williams
<b>SIZE AND TYPE OF BIT</b> 3 7/8" tricone roller bit	<b>INSPECTOR</b> Luke McCartney

**METHOD OF INSTALLATION**  
10-ft of 2-in diameter PVC screen and 9-ft of riser were installed to a depth of 19-ft below grade; borehole casing was then removed. As the casing was removed 12-ft of #2 filter sand was packed. A 2.0-ft bentonite seal was installed above the filter sand and the remainder of the annulus was packed with #2 filter sand. Concrete was placed at the top of the hole and a mount well cap was installed.

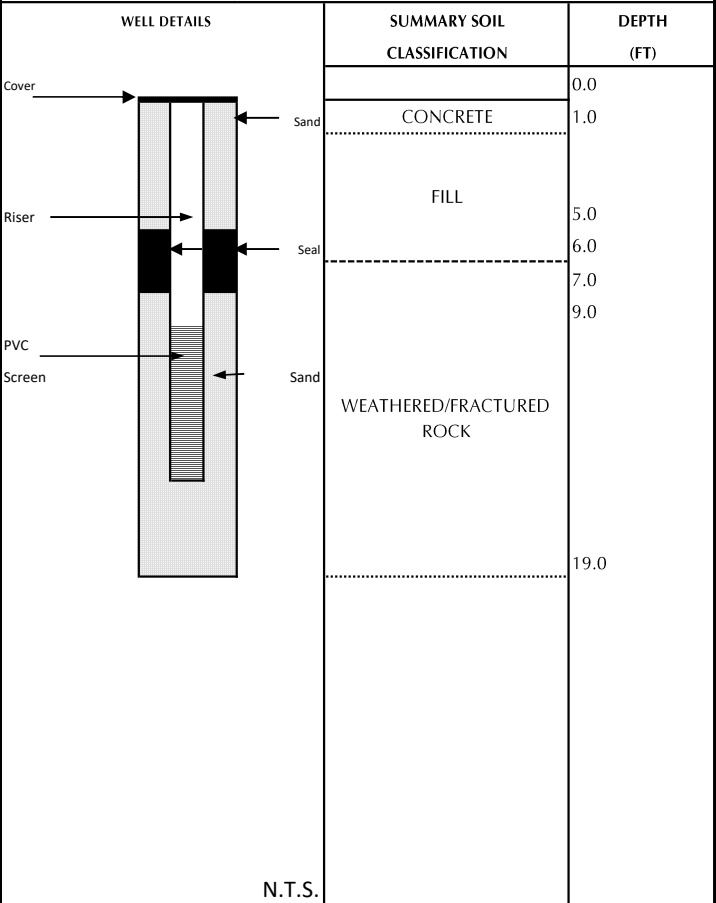
**METHOD OF WELL DEVELOPMENT**  
The well was pumped until clear outflow was observed. A total of about 15 gallons of development water was containerized in a 55-gallon drum for disposal.

<b>TYPE OF CASING</b> 3" flush joint steel casing	<b>DIAMETER</b> 4.00 inches	<b>TYPE OF BACKFILL MATERIAL</b> #2 filter sand
<b>TYPE OF SCREEN</b> PVC	<b>DIAMETER</b> 2.00 inches	<b>TYPE OF SEAL MATERIAL</b> Bentonite pellets and grout
<b>BOREHOLE NOMINAL DIAMETER</b> 3 inches		<b>TYPE OF FILTER MATERIAL</b> #2 filter sand (Silica Quartz Sand)

TOP OF CASING	ELEVATION	DEPTH (ft)
		0
TOP OF SEAL	ELEVATION (ft)	DEPTH (ft)
		5
TOP OF FILTER	ELEVATION (ft)	DEPTH (ft)
		7
TOP OF SCREEN	ELEVATION (ft)	DEPTH (ft)
		9
BOTTOM OF BORING	ELEVATION (ft)	DEPTH (ft)
		19

<b>SCREEN LENGTH</b>	10 ft
<b>SLOT SIZE</b>	0.02 in

GROUNDWATER ELEVATIONS		
ELEVATION (ft)	DATE	DEPTH TO WATER (ft)
	5/18/2021	13.0
ELEVATION (ft)	DATE	DEPTH TO WATER (ft)
* no standing water in well		
ELEVATION (ft)	DATE	DEPTH TO WATER (ft)
ELEVATION (ft)	DATE	DEPTH TO WATER (ft)
ELEVATION (ft)	DATE	DEPTH TO WATER (ft)
ELEVATION (ft)	DATE	DEPTH TO WATER (ft)



**LANGAN Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C.**  
21 Penn Plaza, 360 W 31st Street, 7th Floor, New York, NY 10001

**APPENDIX E**  
GROUNDWATER SAMPLING LOGS



Project Information		Well Information		Equipment Information		Sampling Conditions		Sampling Information	
<b>Project Name:</b>	266-270 W. 96th Street	<b>Well No:</b>	MW-11	<b>Water Quality Device Model:</b>	Horiba U-52	<b>Weather:</b>	48-50F, cloudy	<b>Sample(s):</b>	MW11_12042020
<b>Project Number:</b>	170432001	<b>Well Depth:</b>	20.38	<b>Pine Number:</b>	25324	<b>Background PID (ppm):</b>	0.0		
<b>Site Location:</b>	Manhattan, NY	<b>Well Diameter:</b>	2-inch	<b>Pump Make and Model:</b>	Peri-pump	<b>PID Beneath Inner Cap (ppm):</b>	0	<b>Sample Date:</b>	12/4/2020
<b>Sampling Personnel:</b>	Adam Kaiser	<b>Well Screen Interval:</b>	11	<b>Pine Number:</b>	19540	<b>Pump Intake Depth:</b>	19.00		<b>Sample Time:</b>
		<b>Interval:</b>	21	<b>Tubing Diameter:</b>	3/8"	<b>Depth to Water AFTER Purge:</b>	17.11		

**STABILIZATION = 3 successive readings within limits**

TIME	TEMP °Celsius (+/- 3%)	PH (+/- 0.1)	ORP mV (+/- 10mV)	CONDUCTIVITY mS/cm (+/- 3%)	TURBIDITY ntu (+/- 10%) above 5	DO mg/l (+/- 10%) above	DTW ft Drawdown <	Flow Rate (gpm) <0.13 gpm)	Cumulative Discharge Volume (Gal)	NOTES color, odor etc.	Stabilized?
<b>BEGIN PURGING</b>											
9:05	14.77	6.18	143	0.285	0.0	0.00	N/A		0.15	ghtly yellow, odorle	N/A
9:10	15.41	6.73	105	0.291	0.0	0.00	N/A	0.02	0.25	brown, cloudy, odd	N/A
9:15	15.65	7.04	93	0.325	0.0	0.00	N/A	0.05	0.5	brown, cloudy, odd	N
9:20	15.62	7.12	88	0.363	0.0	0.00	N/A	0.05	0.75	brown, cloudy, odd	N
9:25	15.77	7.19	79	0.383	0.0	0.00	N/A	0.05	1	brown, cloudy, odd	N
9:30	16.42	7.23	72	0.406	644.0	0.00	N/A	0.05	1.25	brown, cloudy, odd	N
9:35	16.19	7.28	68	0.401	542.0	0.00	N/A	0.02	1.35	brown, cloudy, odd	N
9:40	16.21	7.28	69	0.438	394.0	0.00	N/A	0.03	1.5	brown, cloudy, odd	N
9:45	16.33	7.26	71	0.451	364.0	0.12	N/A	0.05	1.75	brown, cloudy, odd	N
9:50	16.22	7.24	76	0.467	336.0	0.31	N/A	0.05	2	brown, cloudy, odd	N
9:55	16.13	7.21	82	0.478	287.0	0.69	N/A	0.05	2.25	brown, cloudy, odd	N
10:00	16.51	7.19	86	0.488	280.0	1.22	N/A	0.05	2.5	brown, cloudy, odd	N
10:05	16.75	7.15	92	0.498	319.0	1.68	N/A	0.05	2.75	brown, cloudy, odd	N

**Notes:**

- Well depths and groundwater depths were measured in feet below the top of well casing.
- Well and tubing diameters are measured in inches.
- PID = Photoionization Detector
- PPM = Parts per million
- pH = Hydrogen ion concentration
- ORP = Oxidation-reduction potential, measured in millivolts (mV)
- DO = Dissolved Oxygen, measured in milligrams per liter (mg/L)
- DTW = Depth to water
- mS/cm = milli-Siemens per centimeter
- NTU = Nephelometric Turbidity Unit

**LANGAN Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C.**  
21 Penn Plaza, 360 West 31st Street, 8th Floor, New York

Project Information		Well Information		Equipment Information		Sampling Conditions		Sampling Information	
<b>Project Name:</b>	266-270 W. 96th Street	<b>Well No:</b>	MW-12	<b>Water Quality Device Model:</b>	Horiba U-52	<b>Weather:</b>	48-50F, cloudy	<b>Sample(s):</b>	MW12_12042020
<b>Project Number:</b>	170432001	<b>Well Depth:</b>	24.88	<b>Pine Number:</b>	25324	<b>Background PID (ppm):</b>	0.0		
<b>Site Location:</b>	Manhattan, NY	<b>Well Diameter:</b>	2-inch	<b>Pump Make and Model:</b>	Peri-pump	<b>PID Beneath Inner Cap (ppm):</b>	0	<b>Sample Date:</b>	12/4/2020
<b>Sampling Personnel:</b>	Adam Kaiser	<b>Well Screen Interval:</b>	16.5	<b>Pine Number:</b>	19540	<b>Pump Intake Depth:</b>	20.00		
			26.5	<b>Tubing Diameter:</b>	3/8"	<b>Depth to Water AFTER Purge:</b>	11.61	<b>Sample Time:</b>	13:25

**STABILIZATION = 3 successive readings within limits**

TIME	TEMP °Celsius (+/- 3%)	PH (+/- 0.1)	ORP mV (+/- 10mV)	CONDUCTIVITY mS/cm (+/- 3%)	TURBIDITY ntu (+/- 10%) above 5	DO mg/l (+/- 10%) above	DTW ft Drawdown <	Flow Rate (gpm) <0.13 gpm)	Cumulative Discharge Volume (Gal)	NOTES color, odor etc.	Stabilized?
<b>BEGIN PURGING</b>											
12:20	13.76	7.14	144	0.075	0.0	6.64	N/A		0.1	ghtly yellow, odorle	N/A
12:25	15.50	7.11	136	0.891	0.0	4.31	N/A	0.03	0.25	ghtly yellow, odorle	N/A
12:30	15.58	7.12	134	0.863	116.0	4.05	N/A	0.05	0.5	ghtly yellow, odorle	N
12:35	15.89	7.11	135	0.850	65.9	3.94	N/A	0.03	0.65	cloudy, odorless	N
12:40	15.93	7.10	137	0.846	51.8	4.05	N/A	0.02	0.75	cloudy, odorless	N
12:45	16.01	7.05	142	0.847	42.9	4.09	N/A	0.05	1	cloudy, odorless	N
12:50	16.03	7.08	144	0.848	29.3	4.01	N/A	0.05	1.25	cloudy, odorless	N
12:55	16.09	7.03	148	0.848	24.3	3.81	N/A	0.05	1.5	clear, odorless	N
13:00	16.16	7.04	149	0.851	17.5	4.36	N/A	0.05	1.75	clear, odorless	N
13:05	16.18	7.04	150	0.849	30.7	4.39	N/A	0.05	2	clear, odorless	N
13:10	16.19	7.04	151	0.846	18.9	4.37	N/A	0.05	2.25	clear, odorless	N
13:15	16.14	7.05	152	0.846	15.2	4.17	N/A	0.05	2.5	clear, odorless	N
13:20	16.15	7.03	157	0.845	13.4	4.34	N/A	0.05	2.75	clear, odorless	N

**Notes:**

1. Well depths and groundwater depths were measured in feet below the top of well casing.
2. Well and tubing diameters are measured in inches.
3. PID = Photoionization Detector
4. PPM = Parts per million
5. pH = Hydrogen ion concentration
6. ORP = Oxidation-reduction potential, measured in millivolts (mV)
7. DO = Dissolved Oxygen, measured in milligrams per liter (mg/L)
8. DTW = Depth to water
9. mS/cm = milli-Siemens per centimeter
10. NTU = Nephelometric Turbidity Unit
11. INTERFACE PROBE USED PRIOR TO SAMPLING TO TROUBLESHOOT PUMP ISSUES

**LANGAN Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C.**  
21 Penn Plaza, 360 West 31st Street, 8th Floor, New York

Project Information		Well Information		Equipment Information		Sampling Conditions		Sampling Information	
<b>Project Name:</b>	266-270 W. 96th Street	<b>Well No:</b>	MW17	<b>Water Quality Device Model:</b>	Horiba	<b>Weather:</b>	Cloudy	<b>Sample(s):</b>	MW17_11182020
<b>Project Number:</b>	170432001	<b>Well Depth:</b>	11.75	<b>Pine Number:</b>	21272	<b>Background PID (ppm):</b>	0.1		
<b>Site Location:</b>	New York, NY	<b>Well Diameter:</b>	2 1-nches	<b>Pump Make and Model:</b>	Peripump	<b>PID Beneath Inner Cap (ppm):</b>	89.3	<b>Sample Date:</b>	11/18/2020
<b>Sampling Personnel:</b>	Meghan Aronica	<b>Well Screen Interval:</b>	1.75	<b>Pine Number:</b>	MP50	<b>Pump Intake Depth:</b>	7.75		14:00
				<b>Tubing Diameter:</b>	3/8"	<b>Depth to Water AFTER Purge:</b>	5.85	<b>Sample Time:</b>	

**STABILIZATION = 3 successive readings within limits**

TIME	TEMP ~Celsius (+/- 3%)	PH (+/- 0.1)	ORP mV (+/- 10mV)	CONDUCTIVITY mS/cm (+/- 3%)	TURBIDITY ntu (+/- 10%) above 5	DO mg/l (+/- 10%) above	DTW ft Drawdown <	Flow Rate (gpm) <0.13 gpm)	Cumulative Discharge Volume (Gal)	NOTES color, odor etc.	Stabilized?
<b>BEGIN PURGING</b>											
12:58	14.81	7.20	130	0.966	295.0	0.00			1	Clear	N/A
13:03	15.75	7.36	76	0.922	496.0	0.00		0.5	3.5		N/A
13:08	16.24	7.45	61	0.929	234.0	0.00		0.5	6		N
13:13	16.36	7.43	69	0.949	111.0	0.00		0.55	8.75		N
13:18	16.39	7.41	77	0.955	89.0	0.00		0.6	11.75		N
13:23	16.34	7.40	83	0.959	66.5	0.00		0.45	14		N
13:28	16.48	7.38	87	0.966	50.9	0.00		0.6	17		N
13:33	16.47	7.37	88	0.966	45.4	0.00		0.6	20		N
13:38	16.50	7.38	89	0.970	37.9	0.00		0.5	22.5		N
13:43	16.51	7.39	91	0.967	35.3	0.00		0.5	25		N
13:48	16.55	7.38	92	0.967	31.9	0.00		0.5	27.5		N
13:53	16.41	7.39	93	0.974	27.2	0.00		0.5	30		N
13:58	16.68	7.38	94	0.974	22.2	0.00		0.6	33		N

**Notes:**

1. Well depths and groundwater depths were measured in feet below the top of well casing.
2. Well and tubing diameters are measured in inches.
3. PID = Photoionization Detector
4. PPM = Parts per million
5. pH = Hydrogen ion concentration
6. ORP = Oxidation-reduction potential, measured in millivolts (mV)
7. DO = Dissolved Oxygen, measured in milligrams per liter (mg/L)
8. DTW = Depth to water
9. mS/cm = milli-Siemens per centimeter
10. NTU = Nephelometric Turbidity Unit
11. INTERFACE PROBE USED PRIOR TO SAMPLING TO TROUBLESHOOT PUMP ISSUES

**LANGAN Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C.**  
21 Penn Plaza, 360 West 31st Street, 8th Floor, New York

Project Information		Well Information		Equipment Information		Sampling Conditions		Sampling Information	
<b>Project Name:</b>	266-270 W. 96th Street	<b>Well No:</b>	MW-22	<b>Water Quality Device Model:</b>	Horiba	<b>Weather:</b>	Cloudy	<b>Sample(s):</b>	MW17_11182020
<b>Project Number:</b>	170432001	<b>Well Depth:</b>	23.04	<b>Pine Number:</b>	21272	<b>Background PID (ppm):</b>	0.1		GWDUP01_11182020
<b>Site Location:</b>	New York, NY	<b>Well Diameter:</b>	2- Inches	<b>Pump Make and Model:</b>	Peripump	<b>PID Beneath Inner Cap (ppm):</b>	7.3	<b>Sample Date:</b>	11/18/2020
<b>Sampling Personnel:</b>	Meghan Aronica	<b>Well Screen Interval:</b>	13.04	<b>Pine Number:</b>	MP50	<b>Pump Intake Depth:</b>	19.04		11:00
			21.04	<b>Tubing Diameter:</b>	3/8"	<b>Depth to Water AFTER Purge:</b>	6.94		

**STABILIZATION = 3 successive readings within limits**

TIME	TEMP °Celsius (+/- 3%)	PH (+/- 0.1)	ORP mV (+/- 10mV)	CONDUCTIVITY mS/cm (+/- 3%)	TURBIDITY ntu (+/- 10%) above	DO mg/l (+/- 10%) above	DTW ft Drawdown <	Flow Rate (gpm) <0.13 gpm)	Cumulative Discharge Volume (Gal)	NOTES color, odor etc.	Stabilized?
<b>BEGIN PURGING</b>											
9:54	15.38	6.33	87	1.920	232.0	0.00			2	Clear	N/A
9:59	16.39	6.68	32	1.870	118.0	0.00		0.5	4.5	Chemical like odor	N/A
10:04	16.45	6.77	24	1.830	21.4	0.00		0.5	7		N
10:09	16.13	6.83	20	1.810	10.9	0.00		0.6	10		N
10:14	16.30	6.87	17	1.780	5.9	0.00		0.6	13		N
10:19	16.63	6.88	14	1.770	4.0	0.00		0.8	17		N
10:24	16.60	6.90	13	1.760	4.2	0.00		0.6	20		N
10:29	16.26	6.92	11	1.760	4.0	0.00		0.6	23		Y

**Notes:**

1. Well depths and groundwater depths were measured in feet below the top of well casing.
2. Well and tubing diameters are measured in inches.
3. PID = Photoionization Detector
4. PPM = Parts per million
5. pH = Hydrogen ion concentration
6. ORP = Oxidation-reduction potential, measured in millivolts (mV)
7. DO = Dissolved Oxygen, measured in milligrams per liter (mg/L)
8. DTW = Depth to water
9. mS/cm = milli-Siemens per centimeter
10. NTU = Nephelometric Turbidity Unit
11. INTERFACE PROBE USED PRIOR TO SAMPLING TO TROUBLESHOOT PUMP ISSUES

**LANGAN Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C.**  
21 Penn Plaza, 360 West 31st Street, 8th Floor, New York

Project Information		Well Information		Equipment Information		Sampling Conditions		Sampling Information	
<b>Project Name:</b>	266-270 West 96th Street	<b>Well No:</b>	MW24	<b>Water Quality Device Model:</b>	Horiba U-52	<b>Weather:</b>	Clear - 60's	<b>Sample(s):</b>	MW24_051821
<b>Project Number:</b>	170432001	<b>Well Depth:</b>	19 feet bsg	<b>Pine Number:</b>	43282	<b>Background PID (ppm):</b>	0.1		
<b>Site Location:</b>	Manhattan, NY	<b>Well Diameter:</b>	2 inch	<b>Pump Make and Model:</b>	Peri Pump	<b>PID Beneath Inner Cap (ppm):</b>	0.2	<b>Sample Date:</b>	5/18/2021
<b>Sampling Personnel:</b>	Luke McCartney	<b>Well Screen Interval:</b>	9 to 19 feet	<b>Pine Number:</b>	S0018	<b>Pump Intake Depth:</b>	16.50		
				<b>Tubing Diameter:</b>	1/4 inch	<b>Depth to Water Before Purge:</b>	11.03	<b>Sample Time:</b>	

*STABILIZATION = 3 successive readings within limits*

TIME	TEMP °Celsius (+/- 3%)	PH (+/- 0.1)	ORP mV (+/- 10mV)	CONDUCTIVITY mS/cm (+/- 3%)	TURBIDITY ntu (+/- 10%) above 5 NTU	DO mg/l (+/- 10%) above 0.5 mg/l	DTW ft Drawdown < 0.33 ft	Flow Rate (Lpm) 0.25 to 0.5 Lpm	Cumulative Discharge Volume (Liters)	NOTES color, odor etc.	Stabilized?
<b>BEGIN PURGING</b>											
11:05	18.65	11.01	19	0.814	46.0	5.20	13.03		0	clear, no odor	N/A
11:10	18.44	9.54	74	1.560	33.1	4.20	13.35	0.35	1.75	clear, no odor	N/A
11:15	18.52	8.61	61	1.770	24.4	4.81	13.35	0.25	3	clear, no odor	N
11:20	18.54	8.15	75	1.750	13.2	4.59	13.48	0.25	4.25	clear, no odor	N
11:25	18.53	7.80	85	1.780	7.2	4.47	13.50	0.45	6.5	clear, no odor	N
11:30	18.53	7.59	89	1.770	3.9	4.48	13.55	0.45	8.75	clear, no odor	N
11:35	18.53	7.46	94	1.760	2.1	4.52	13.55	0.4	10.75	clear, no odor	N
11:40	18.65	7.41	96	1.740	2.4	4.51	13.56	0.4	12.75	clear, no odor	N
11:45	18.62	7.39	98	1.740	1.9	4.51	13.57	0.35	14.5	clear, no odor	Y
											N
											N
											N
											N
											N
											N
											N
											N
											N
											N
											N
											N
											N
											N
											N
											N
											N
											N
											N
											N
											N

- Notes:**
- Well depths and groundwater depths were measured in feet below the top of well casing.
  - Well and tubing diameters are measured in inches.
  - PID = Photoionization Detector
  - PPM = Parts per million
  - pH = Hydrogen ion concentration
  - ORP = Oxidation-reduction potential, measured in millivolts (mV)
  - DO = Dissolved Oxygen, measured in milligrams per liter (mg/L)
  - DTW = Depth to water
  - mS/cm = milli-Siemens per centimeter
  - NTU = Nephelometric Turbidity Unit

**APPENDIX F**  
SOIL VAPOR CONSTRUCTION AND SAMPLING LOGS

# SOIL VAPOR SAMPLING LOG SHEET

Sample Number: SV07

<b>PROJECT:</b> 266-270 West 96th Street		<b>PROJECT NO.:</b> 170432001													
<b>LOCATION:</b> Manhattan, NY		<b>SURFACE ELEVATION AND DATUM:</b> NA													
<b>DRILLING FIRM OR LANGAN INSTALLER:</b> AARCO		<b>INSTALLATION DATE STARTED:</b> 11/19/2020	<b>DATE FINISHED:</b> 11/19/2020												
<b>INSTALLATION FOREMAN:</b> Tom Seickel		<b>SAMPLE DATE STARTED:</b> 11/19/2020	<b>DATE FINISHED:</b> 11/19/2020												
<b>INSTALLATION EQUIPMENT:</b> Geoprobe 420M		<b>TYPE OF SAMPLING DEVICE:</b> 6-Liter Summa Canister													
<b>INSPECTOR:</b> Meghan Aronica		<b>SAMPLER:</b> Meghan Aronica													
<b>POTENTIAL SAMPLE INTERFERENCES:</b>  N/A		<b>WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.):</b> Temp: 40s F Wind: NE 5-9 mph Precipitation: None Pressure: 29.99 inHg													
<b>METHOD OF INSTALLATION AND PURGING:</b> ADT advanced Geoprobe drill bit to 4.5-feet below courtyard concrete slab, or about 9.5 feet below sidewalk level (bsg). Soil vapor point installed at 2.5-feet below courtyard concrete slab, or about 7.5 feet bsg and borehole backfill with FilPro #2 Sand and sealed with															
<b>TUBING TYPE/DIAMETER:</b> 3/8-inch polyethylene tubing		<b>TYPE OF MATERIAL ABOVE SEAL:</b> NA													
<b>IMPLANT SCREEN TYPE/LENGTH/DIAMETER:</b> 6-inch-long		<b>SEAL MATERIAL (Bentonite, Beeswax, Modeling Clay, etc.):</b> Hydrated Bentonite Chips													
<b>BOREHOLE DIAMETER:</b> 2-inches		<b>FILTER PACK MATERIAL (Sand or Glass Beads):</b> Filpro #2 sand													
<b>PURGE VOLUME (L):</b> 0.02			<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 40%;">IMPLANT/PROBE DETAILS (SEAL, FILTER, ETC.)</th> <th style="width: 20%;">DEPTH (FEET FROM SURFACE)</th> <th style="width: 40%;">NOTES</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">SURFACE</td> <td style="text-align: center;">0</td> <td style="text-align: center;">Top of Seal</td> </tr> <tr> <td style="text-align: center;">SURFACE</td> <td style="text-align: center;">0.1</td> <td style="text-align: center;">Top of Pack</td> </tr> <tr> <td></td> <td style="text-align: center;">2.5</td> <td></td> </tr> </tbody> </table>	IMPLANT/PROBE DETAILS (SEAL, FILTER, ETC.)	DEPTH (FEET FROM SURFACE)	NOTES	SURFACE	0	Top of Seal	SURFACE	0.1	Top of Pack		2.5	
IMPLANT/PROBE DETAILS (SEAL, FILTER, ETC.)	DEPTH (FEET FROM SURFACE)			NOTES											
SURFACE	0			Top of Seal											
SURFACE	0.1			Top of Pack											
	2.5														
<b>PURGE FLOW RATE (ML/MIN):</b> 10															
<b>PID AFTER PURGE (PPM):</b> 0															
<b>HELIUM TEST IN BUCKET(%):</b> 17.00%															
<b>HELIUM TEST IN TUBE (PPM):</b> 0%															
<b>SAMPLE START DATE/TIME:</b> 11/19/2020 8:42															
<b>SAMPLE STOP DATE/TIME:</b> 11/19/2020 16:25															
<b>TOTAL SAMPLE TIME (MIN):</b> 463															
<b>FLOW RATE (L/MIN):</b> 0.013															
<b>VOLUME OF SAMPLE (LITERS):</b> 6															
<b>PID AFTER SAMPLE (PPM):</b> 0.0															
<b>SAMPLE MOISTURE CONTENT:</b> NA															
<b>CAN SERIAL NUMBER:</b> 868															
<b>REGULATOR SERIAL NUMBER:</b> 1526															
<b>CAN START VACUUM PRESS. (" HG):</b> -30.74															
<b>CAN STOP VACUUM PRESS. (" HG):</b> -4.52															
<b>SAMPLE LOCATION SKETCH</b>		<b>NOTES</b>													
See Sample Location Plan															

**Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C.**  
21 Penn Plaza, 360 West 31st Street, 8th Floor, New York, New York 10001-2727

# SOIL VAPOR SAMPLING LOG SHEET

Sample Number: SSV08

<b>PROJECT:</b> 266-270 West 96th Street		<b>PROJECT NO.:</b> 170432001													
<b>LOCATION:</b> New York, NY		<b>SURFACE ELEVATION AND DATUM:</b> NA													
<b>DRILLING FIRM OR LANGAN INSTALLER:</b> AARCO		<b>INSTALLATION DATE STARTED:</b> 11/19/2020	<b>DATE FINISHED:</b> 11/19/2020												
<b>INSTALLATION FOREMAN:</b> Tom Seickel		<b>SAMPLE DATE STARTED:</b> 11/20/2020	<b>DATE FINISHED:</b> 11/20/2020												
<b>INSTALLATION EQUIPMENT:</b> Hilti Hammer Drill		<b>TYPE OF SAMPLING DEVICE:</b> 6-Liter Summa Canister													
<b>INSPECTOR:</b> Meghan Aronica		<b>SAMPLER:</b> Meghan Aronica													
<b>POTENTIAL SAMPLE INTERFERENCES:</b>  N/A		<b>WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.):</b> Temp: 50-60s F Wind: NE 2-10 mph Precipitation: None Pressure: 29.99 inHg													
<b>METHOD OF INSTALLATION AND PURGING:</b> AARCO used a hammer drill to install sub-slab soil vapor point consisting of polyethylene tubing to a depth of about 2 inches below the existing cellar concrete slab. Borehole backfilled with FilPro #2 Sand. Probe sealed with bentonite to ground surface.															
<b>TUBING TYPE/DIAMETER:</b> 3/8-inch polyethylene tubing		<b>TYPE OF MATERIAL ABOVE SEAL:</b> NA													
<b>IMPLANT SCREEN TYPE/LENGTH/DIAMETER:</b> 6-inch-long		<b>SEAL MATERIAL (Bentonite, Beeswax, Modeling Clay, etc.):</b> Hydrated Bentonite Chips													
<b>BOREHOLE DIAMETER:</b> N/A		<b>FILTER PACK MATERIAL (Sand or Glass Beads):</b> Filpro #2 sand													
<b>PURGE VOLUME (L):</b> 0.02			<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;">IMPLANT/PROBE DETAILS (SEAL, FILTER, ETC.)</th> <th style="width: 20%;">DEPTH (FINCHES FROM SURFACE)</th> <th style="width: 30%;">NOTES</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">SURFACE</td> <td style="text-align: center;">0</td> <td style="text-align: center;">Top of Seal</td> </tr> <tr> <td style="text-align: center;">SURFACE</td> <td style="text-align: center;">0.5</td> <td style="text-align: center;">Top of Pack</td> </tr> <tr> <td></td> <td style="text-align: center;">2</td> <td></td> </tr> </tbody> </table>	IMPLANT/PROBE DETAILS (SEAL, FILTER, ETC.)	DEPTH (FINCHES FROM SURFACE)	NOTES	SURFACE	0	Top of Seal	SURFACE	0.5	Top of Pack		2	
IMPLANT/PROBE DETAILS (SEAL, FILTER, ETC.)	DEPTH (FINCHES FROM SURFACE)			NOTES											
SURFACE	0			Top of Seal											
SURFACE	0.5			Top of Pack											
	2														
<b>PURGE FLOW RATE (ML/MIN):</b> 10															
<b>PID AFTER PURGE (PPM):</b> 0.0															
<b>HELIUM TEST IN BUCKET(%):</b> 37.90%															
<b>HELIUM TEST IN TUBE (PPM):</b> 0%															
<b>SAMPLE START DATE/TIME:</b> 11/20/2020 7:27															
<b>SAMPLE STOP DATE/TIME:</b> 11/20/2020 15:27															
<b>TOTAL SAMPLE TIME (MIN):</b> 480															
<b>FLOW RATE (L/MIN):</b> 0.0125															
<b>VOLUME OF SAMPLE (LITERS):</b> 6															
<b>PID AFTER SAMPLE (PPM):</b> 0.0															
<b>SAMPLE MOISTURE CONTENT:</b> NA															
<b>CAN SERIAL NUMBER:</b> 2257															
<b>REGULATOR SERIAL NUMBER:</b> 1466															
<b>CAN START VACUUM PRESS. (" HG):</b> -30.37															
<b>CAN STOP VACUUM PRESS. (" HG):</b> -7.44															
<b>SAMPLE LOCATION SKETCH</b>		<b>NOTES</b>													
See Sample Location Plan															

**Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C.**  
21 Penn Plaza, 360 West 31st Street, 8th Floor, New York, New York 10001-2727



**SOIL VAPOR SAMPLING LOG SHEET**

Sample Number: SSV09

<b>PROJECT:</b> 266-270 West 96th Street		<b>PROJECT NO.:</b> 170432001																																																																	
<b>LOCATION:</b> New York, NY		<b>SURFACE ELEVATION AND DATUM:</b> NA																																																																	
<b>DRILLING FIRM OR LANGAN INSTALLER:</b> AARCO		<b>INSTALLATION DATE STARTED:</b> 11/19/2020	<b>DATE FINISHED:</b> 11/19/2020																																																																
<b>INSTALLATION FOREMAN:</b> Tom Seickel		<b>SAMPLE DATE STARTED:</b> 11/19/2020	<b>DATE FINISHED:</b> 11/19/2020																																																																
<b>INSTALLATION EQUIPMENT:</b> Hilti Hammer Drill		<b>TYPE OF SAMPLING DEVICE:</b> 6-Liter Summa Canister																																																																	
<b>INSPECTOR:</b> Meghan Aronica		<b>SAMPLER:</b> Meghan Aronica																																																																	
<b>POTENTIAL SAMPLE INTERFERENCES:</b> Potential interference from leaking AST in same room		<b>WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.):</b> Temp: 40s F Wind: NE 5-9 mph Precipitation: None Pressure: 29.99 inHg																																																																	
<b>METHOD OF INSTALLATION AND PURGING:</b> AARCO used a hammer drill to install sub-slab soil vapor point consisting of polyethylene tubing to a depth of about 2 inches below the existing cellar concrete slab. Borehole backfilled with FilPro #2 Sand. Probe sealed with bentonite to ground surface.																																																																			
<b>TUBING TYPE/DIAMETER:</b> 3/8-inch polyethylene tubing		<b>TYPE OF MATERIAL ABOVE SEAL:</b> NA																																																																	
<b>IMPLANT SCREEN TYPE/LENGTH/DIAMETER:</b> 6-inch-long		<b>SEAL MATERIAL (Bentonite, Beeswax, Modeling Clay, etc.):</b> Hydrated Bentonite Chips																																																																	
<b>BOREHOLE DIAMETER:</b> N/A		<b>FILTER PACK MATERIAL (Sand or Glass Beads):</b> Filpro #2 sand																																																																	
<b>PURGE VOLUME (L):</b> 0.02			<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">PURGE VOLUME (L):</th> <th style="width:30%;">0.02</th> <th style="width:20%;">DEPTH (INCHES FROM SURFACE)</th> <th style="width:20%;">NOTES</th> </tr> </thead> <tbody> <tr> <td>PURGE FLOW RATE (ML/MIN):</td> <td>10</td> <td></td> <td></td> </tr> <tr> <td>PID AFTER PURGE (PPM):</td> <td>0.0</td> <td></td> <td></td> </tr> <tr> <td>HELIUM TEST IN BUCKET(%):</td> <td>19.00%</td> <td></td> <td></td> </tr> <tr> <td>HELIUM TEST IN TUBE (PPM):</td> <td>0%</td> <td></td> <td></td> </tr> <tr> <td>SAMPLE START DATE/TIME:</td> <td>11/19/2020 9:14</td> <td></td> <td></td> </tr> <tr> <td>SAMPLE STOP DATE/TIME:</td> <td>11/19/2020 17:14</td> <td></td> <td></td> </tr> <tr> <td>TOTAL SAMPLE TIME (MIN):</td> <td>480</td> <td></td> <td></td> </tr> <tr> <td>FLOW RATE (L/MIN):</td> <td>0.013</td> <td></td> <td></td> </tr> <tr> <td>VOLUME OF SAMPLE (LITERS):</td> <td>6</td> <td></td> <td></td> </tr> <tr> <td>PID AFTER SAMPLE (PPM):</td> <td>0.0</td> <td></td> <td></td> </tr> <tr> <td>SAMPLE MOISTURE CONTENT:</td> <td>NA</td> <td></td> <td></td> </tr> <tr> <td>CAN SERIAL NUMBER:</td> <td>3125</td> <td></td> <td></td> </tr> <tr> <td>REGULATOR SERIAL NUMBER:</td> <td>1062</td> <td></td> <td></td> </tr> <tr> <td>CAN START VACUUM PRESS. (" HG):</td> <td>-30.87</td> <td></td> <td></td> </tr> <tr> <td>CAN STOP VACUUM PRESS. (" HG):</td> <td>-6.14</td> <td></td> <td></td> </tr> </tbody> </table>	PURGE VOLUME (L):	0.02	DEPTH (INCHES FROM SURFACE)	NOTES	PURGE FLOW RATE (ML/MIN):	10			PID AFTER PURGE (PPM):	0.0			HELIUM TEST IN BUCKET(%):	19.00%			HELIUM TEST IN TUBE (PPM):	0%			SAMPLE START DATE/TIME:	11/19/2020 9:14			SAMPLE STOP DATE/TIME:	11/19/2020 17:14			TOTAL SAMPLE TIME (MIN):	480			FLOW RATE (L/MIN):	0.013			VOLUME OF SAMPLE (LITERS):	6			PID AFTER SAMPLE (PPM):	0.0			SAMPLE MOISTURE CONTENT:	NA			CAN SERIAL NUMBER:	3125			REGULATOR SERIAL NUMBER:	1062			CAN START VACUUM PRESS. (" HG):	-30.87			CAN STOP VACUUM PRESS. (" HG):	-6.14		
PURGE VOLUME (L):	0.02			DEPTH (INCHES FROM SURFACE)	NOTES																																																														
PURGE FLOW RATE (ML/MIN):	10																																																																		
PID AFTER PURGE (PPM):	0.0																																																																		
HELIUM TEST IN BUCKET(%):	19.00%																																																																		
HELIUM TEST IN TUBE (PPM):	0%																																																																		
SAMPLE START DATE/TIME:	11/19/2020 9:14																																																																		
SAMPLE STOP DATE/TIME:	11/19/2020 17:14																																																																		
TOTAL SAMPLE TIME (MIN):	480																																																																		
FLOW RATE (L/MIN):	0.013																																																																		
VOLUME OF SAMPLE (LITERS):	6																																																																		
PID AFTER SAMPLE (PPM):	0.0																																																																		
SAMPLE MOISTURE CONTENT:	NA																																																																		
CAN SERIAL NUMBER:	3125																																																																		
REGULATOR SERIAL NUMBER:	1062																																																																		
CAN START VACUUM PRESS. (" HG):	-30.87																																																																		
CAN STOP VACUUM PRESS. (" HG):	-6.14																																																																		
<b>PURGE FLOW RATE (ML/MIN):</b> 10																																																																			
<b>PID AFTER PURGE (PPM):</b> 0.0																																																																			
<b>HELIUM TEST IN BUCKET(%):</b> 19.00%																																																																			
<b>HELIUM TEST IN TUBE (PPM):</b> 0%																																																																			
<b>SAMPLE START DATE/TIME:</b> 11/19/2020 9:14																																																																			
<b>SAMPLE STOP DATE/TIME:</b> 11/19/2020 17:14																																																																			
<b>TOTAL SAMPLE TIME (MIN):</b> 480																																																																			
<b>FLOW RATE (L/MIN):</b> 0.013																																																																			
<b>VOLUME OF SAMPLE (LITERS):</b> 6																																																																			
<b>PID AFTER SAMPLE (PPM):</b> 0.0																																																																			
<b>SAMPLE MOISTURE CONTENT:</b> NA																																																																			
<b>CAN SERIAL NUMBER:</b> 3125																																																																			
<b>REGULATOR SERIAL NUMBER:</b> 1062																																																																			
<b>CAN START VACUUM PRESS. (" HG):</b> -30.87																																																																			
<b>CAN STOP VACUUM PRESS. (" HG):</b> -6.14																																																																			
<b>SAMPLE LOCATION SKETCH</b>		<b>NOTES</b>																																																																	
See Sample Location Plan																																																																			

**Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C.**  
21 Penn Plaza, 360 West 31st Street, 8th Floor, New York, New York 10001-2727

# SOIL VAPOR SAMPLING LOG SHEET

Sample Number: SSV10

<b>PROJECT:</b> 266-270 West 96th Street		<b>PROJECT NO.:</b> 170432001																									
<b>LOCATION:</b> New York, NY		<b>SURFACE ELEVATION AND DATUM:</b> NA																									
<b>DRILLING FIRM OR LANGAN INSTALLER:</b> AARCO		<b>INSTALLATION DATE STARTED:</b> 10/29/2020	<b>DATE FINISHED:</b> 10/29/2020																								
<b>INSTALLATION FOREMAN:</b> Sergio Manana		<b>SAMPLE DATE STARTED:</b> 10/30/2020	<b>DATE FINISHED:</b> 10/30/2020																								
<b>INSTALLATION EQUIPMENT:</b> Hilti Hammer Drill		<b>TYPE OF SAMPLING DEVICE:</b> 6-Liter Summa Canister																									
<b>INSPECTOR:</b> Meghan Aronica and Luke McCartney		<b>SAMPLER:</b> Meghan Aronica and Luke McCartney																									
<b>POTENTIAL SAMPLE INTERFERENCES:</b> Gasoline emissions associated with generator located on first floor outside building		<b>WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.):</b> Temp: 50s F Wind: N 10-20 mph Precipitation: Rain Pressure: 29.65 inHg																									
<b>METHOD OF INSTALLATION AND PURGING:</b> AARCO used a hammer drill to install sub-slab soil vapor point consisting of polyethylene tubing to a depth of about 2 inches below the existing cellar concrete slab. Borehole backfilled with FilPro #2 Sand. Probe sealed with bentonite to ground surface.																											
<b>TUBING TYPE/DIAMETER:</b> 3/8-inch polyethylene tubing		<b>TYPE OF MATERIAL ABOVE SEAL:</b> NA																									
<b>IMPLANT SCREEN TYPE/LENGTH/DIAMETER:</b> NA		<b>SEAL MATERIAL (Bentonite, Beeswax, Modeling Clay, etc.):</b> Hydrated Bentonite Chips																									
<b>BOREHOLE DIAMETER:</b> 2-inches		<b>FILTER PACK MATERIAL (Sand or Glass Beads):</b> Filpro #2 sand																									
<b>PURGE VOLUME (L):</b> 0.02		<b>IMPLANT/PROBE DETAILS</b>																									
<b>PURGE FLOW RATE (ML/MIN):</b> 10																											
<b>PID AFTER PURGE (PPM):</b> 0.7		<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 20%;">SURFACE</th> <th style="width: 20%;">(SEAL, FILTER, ETC.)</th> <th style="width: 20%;">SURFACE</th> <th style="width: 20%;">DEPTH (INCHES) FROM SURFACE)</th> <th style="width: 20%;">NOTES</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> <td style="text-align: center;">0</td> <td style="text-align: center;">Top of Seal</td> </tr> <tr> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> <td style="text-align: center;">0.5</td> <td style="text-align: center;">Top of Pack</td> </tr> <tr> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> <td style="text-align: center;">2</td> <td></td> </tr> </tbody> </table>		SURFACE	(SEAL, FILTER, ETC.)	SURFACE	DEPTH (INCHES) FROM SURFACE)	NOTES				0	Top of Seal				0.5	Top of Pack				2					
SURFACE	(SEAL, FILTER, ETC.)			SURFACE	DEPTH (INCHES) FROM SURFACE)	NOTES																					
			0	Top of Seal																							
			0.5	Top of Pack																							
			2																								
<b>HELIUM TEST IN BUCKET(%):</b> 17.3		<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 20%;">SURFACE</th> <th style="width: 20%;">(SEAL, FILTER, ETC.)</th> <th style="width: 20%;">SURFACE</th> <th style="width: 20%;">DEPTH (INCHES) FROM SURFACE)</th> <th style="width: 20%;">NOTES</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> <td style="text-align: center;">0</td> <td style="text-align: center;">Top of Seal</td> </tr> <tr> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> <td style="text-align: center;">0.5</td> <td style="text-align: center;">Top of Pack</td> </tr> <tr> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> <td style="text-align: center;">2</td> <td></td> </tr> </tbody> </table>		SURFACE	(SEAL, FILTER, ETC.)	SURFACE	DEPTH (INCHES) FROM SURFACE)	NOTES				0	Top of Seal				0.5	Top of Pack				2					
SURFACE	(SEAL, FILTER, ETC.)			SURFACE	DEPTH (INCHES) FROM SURFACE)	NOTES																					
					0	Top of Seal																					
					0.5	Top of Pack																					
					2																						
<b>HELIUM TEST IN TUBE (PPM):</b> 0%				<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 20%;">SURFACE</th> <th style="width: 20%;">(SEAL, FILTER, ETC.)</th> <th style="width: 20%;">SURFACE</th> <th style="width: 20%;">DEPTH (INCHES) FROM SURFACE)</th> <th style="width: 20%;">NOTES</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> <td style="text-align: center;">0</td> <td style="text-align: center;">Top of Seal</td> </tr> <tr> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> <td style="text-align: center;">0.5</td> <td style="text-align: center;">Top of Pack</td> </tr> <tr> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> <td style="text-align: center;">2</td> <td></td> </tr> </tbody> </table>		SURFACE	(SEAL, FILTER, ETC.)	SURFACE	DEPTH (INCHES) FROM SURFACE)	NOTES				0	Top of Seal				0.5	Top of Pack				2			
SURFACE	(SEAL, FILTER, ETC.)					SURFACE	DEPTH (INCHES) FROM SURFACE)	NOTES																			
							0	Top of Seal																			
							0.5	Top of Pack																			
							2																				
<b>SAMPLE START DATE/TIME:</b> 10/30/2020 10:43						<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 20%;">SURFACE</th> <th style="width: 20%;">(SEAL, FILTER, ETC.)</th> <th style="width: 20%;">SURFACE</th> <th style="width: 20%;">DEPTH (INCHES) FROM SURFACE)</th> <th style="width: 20%;">NOTES</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> <td style="text-align: center;">0</td> <td style="text-align: center;">Top of Seal</td> </tr> <tr> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> <td style="text-align: center;">0.5</td> <td style="text-align: center;">Top of Pack</td> </tr> <tr> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> <td style="text-align: center;">2</td> <td></td> </tr> </tbody> </table>		SURFACE	(SEAL, FILTER, ETC.)	SURFACE	DEPTH (INCHES) FROM SURFACE)	NOTES				0	Top of Seal				0.5	Top of Pack				2	
SURFACE	(SEAL, FILTER, ETC.)							SURFACE	DEPTH (INCHES) FROM SURFACE)	NOTES																	
									0	Top of Seal																	
									0.5	Top of Pack																	
									2																		
<b>SAMPLE STOP DATE/TIME:</b> 10/30/2020 18:43								<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 20%;">SURFACE</th> <th style="width: 20%;">(SEAL, FILTER, ETC.)</th> <th style="width: 20%;">SURFACE</th> <th style="width: 20%;">DEPTH (INCHES) FROM SURFACE)</th> <th style="width: 20%;">NOTES</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> <td style="text-align: center;">0</td> <td style="text-align: center;">Top of Seal</td> </tr> <tr> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> <td style="text-align: center;">0.5</td> <td style="text-align: center;">Top of Pack</td> </tr> <tr> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> <td style="text-align: center;">2</td> <td></td> </tr> </tbody> </table>		SURFACE	(SEAL, FILTER, ETC.)	SURFACE	DEPTH (INCHES) FROM SURFACE)	NOTES				0	Top of Seal				0.5	Top of Pack			
SURFACE	(SEAL, FILTER, ETC.)	SURFACE	DEPTH (INCHES) FROM SURFACE)							NOTES																	
			0							Top of Seal																	
			0.5							Top of Pack																	
			2																								
<b>TOTAL SAMPLE TIME (MIN):</b> 480		<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 20%;">SURFACE</th> <th style="width: 20%;">(SEAL, FILTER, ETC.)</th> <th style="width: 20%;">SURFACE</th> <th style="width: 20%;">DEPTH (INCHES) FROM SURFACE)</th> <th style="width: 20%;">NOTES</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> <td style="text-align: center;">0</td> <td style="text-align: center;">Top of Seal</td> </tr> <tr> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> <td style="text-align: center;">0.5</td> <td style="text-align: center;">Top of Pack</td> </tr> <tr> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> <td style="text-align: center;">2</td> <td></td> </tr> </tbody> </table>								SURFACE	(SEAL, FILTER, ETC.)	SURFACE	DEPTH (INCHES) FROM SURFACE)	NOTES				0	Top of Seal				0.5	Top of Pack			
SURFACE	(SEAL, FILTER, ETC.)			SURFACE	DEPTH (INCHES) FROM SURFACE)					NOTES																	
					0					Top of Seal																	
					0.5					Top of Pack																	
					2																						
<b>FLOW RATE (L/MIN):</b> 0.0125				<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 20%;">SURFACE</th> <th style="width: 20%;">(SEAL, FILTER, ETC.)</th> <th style="width: 20%;">SURFACE</th> <th style="width: 20%;">DEPTH (INCHES) FROM SURFACE)</th> <th style="width: 20%;">NOTES</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> <td style="text-align: center;">0</td> <td style="text-align: center;">Top of Seal</td> </tr> <tr> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> <td style="text-align: center;">0.5</td> <td style="text-align: center;">Top of Pack</td> </tr> <tr> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> <td style="text-align: center;">2</td> <td></td> </tr> </tbody> </table>						SURFACE	(SEAL, FILTER, ETC.)	SURFACE	DEPTH (INCHES) FROM SURFACE)	NOTES				0	Top of Seal				0.5	Top of Pack			
SURFACE	(SEAL, FILTER, ETC.)					SURFACE	DEPTH (INCHES) FROM SURFACE)			NOTES																	
							0			Top of Seal																	
							0.5			Top of Pack																	
							2																				
<b>VOLUME OF SAMPLE (LITERS):</b> 6						<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 20%;">SURFACE</th> <th style="width: 20%;">(SEAL, FILTER, ETC.)</th> <th style="width: 20%;">SURFACE</th> <th style="width: 20%;">DEPTH (INCHES) FROM SURFACE)</th> <th style="width: 20%;">NOTES</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> <td style="text-align: center;">0</td> <td style="text-align: center;">Top of Seal</td> </tr> <tr> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> <td style="text-align: center;">0.5</td> <td style="text-align: center;">Top of Pack</td> </tr> <tr> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> <td style="text-align: center;">2</td> <td></td> </tr> </tbody> </table>				SURFACE	(SEAL, FILTER, ETC.)	SURFACE	DEPTH (INCHES) FROM SURFACE)	NOTES				0	Top of Seal				0.5	Top of Pack			
SURFACE	(SEAL, FILTER, ETC.)							SURFACE	DEPTH (INCHES) FROM SURFACE)	NOTES																	
									0	Top of Seal																	
									0.5	Top of Pack																	
									2																		
<b>PID AFTER SAMPLE (PPM):</b> 0.0								<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 20%;">SURFACE</th> <th style="width: 20%;">(SEAL, FILTER, ETC.)</th> <th style="width: 20%;">SURFACE</th> <th style="width: 20%;">DEPTH (INCHES) FROM SURFACE)</th> <th style="width: 20%;">NOTES</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> <td style="text-align: center;">0</td> <td style="text-align: center;">Top of Seal</td> </tr> <tr> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> <td style="text-align: center;">0.5</td> <td style="text-align: center;">Top of Pack</td> </tr> <tr> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> <td style="text-align: center;">2</td> <td></td> </tr> </tbody> </table>		SURFACE	(SEAL, FILTER, ETC.)	SURFACE	DEPTH (INCHES) FROM SURFACE)	NOTES				0	Top of Seal				0.5	Top of Pack			
SURFACE	(SEAL, FILTER, ETC.)	SURFACE	DEPTH (INCHES) FROM SURFACE)							NOTES																	
			0							Top of Seal																	
			0.5							Top of Pack																	
			2																								
<b>SAMPLE MOISTURE CONTENT:</b> NA		<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 20%;">SURFACE</th> <th style="width: 20%;">(SEAL, FILTER, ETC.)</th> <th style="width: 20%;">SURFACE</th> <th style="width: 20%;">DEPTH (INCHES) FROM SURFACE)</th> <th style="width: 20%;">NOTES</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> <td style="text-align: center;">0</td> <td style="text-align: center;">Top of Seal</td> </tr> <tr> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> <td style="text-align: center;">0.5</td> <td style="text-align: center;">Top of Pack</td> </tr> <tr> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> <td style="text-align: center;">2</td> <td></td> </tr> </tbody> </table>								SURFACE	(SEAL, FILTER, ETC.)	SURFACE	DEPTH (INCHES) FROM SURFACE)	NOTES				0	Top of Seal				0.5	Top of Pack			
SURFACE	(SEAL, FILTER, ETC.)			SURFACE	DEPTH (INCHES) FROM SURFACE)					NOTES																	
					0					Top of Seal																	
					0.5					Top of Pack																	
					2																						
<b>CAN SERIAL NUMBER:</b> 2292				<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 20%;">SURFACE</th> <th style="width: 20%;">(SEAL, FILTER, ETC.)</th> <th style="width: 20%;">SURFACE</th> <th style="width: 20%;">DEPTH (INCHES) FROM SURFACE)</th> <th style="width: 20%;">NOTES</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> <td style="text-align: center;">0</td> <td style="text-align: center;">Top of Seal</td> </tr> <tr> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> <td style="text-align: center;">0.5</td> <td style="text-align: center;">Top of Pack</td> </tr> <tr> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> <td style="text-align: center;">2</td> <td></td> </tr> </tbody> </table>						SURFACE	(SEAL, FILTER, ETC.)	SURFACE	DEPTH (INCHES) FROM SURFACE)	NOTES				0	Top of Seal				0.5	Top of Pack			
SURFACE	(SEAL, FILTER, ETC.)					SURFACE	DEPTH (INCHES) FROM SURFACE)			NOTES																	
							0			Top of Seal																	
							0.5			Top of Pack																	
							2																				
<b>REGULATOR SERIAL NUMBER:</b> 471						<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 20%;">SURFACE</th> <th style="width: 20%;">(SEAL, FILTER, ETC.)</th> <th style="width: 20%;">SURFACE</th> <th style="width: 20%;">DEPTH (INCHES) FROM SURFACE)</th> <th style="width: 20%;">NOTES</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> <td style="text-align: center;">0</td> <td style="text-align: center;">Top of Seal</td> </tr> <tr> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> <td style="text-align: center;">0.5</td> <td style="text-align: center;">Top of Pack</td> </tr> <tr> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> <td style="text-align: center;">2</td> <td></td> </tr> </tbody> </table>				SURFACE	(SEAL, FILTER, ETC.)	SURFACE	DEPTH (INCHES) FROM SURFACE)	NOTES				0	Top of Seal				0.5	Top of Pack			
SURFACE	(SEAL, FILTER, ETC.)							SURFACE	DEPTH (INCHES) FROM SURFACE)	NOTES																	
									0	Top of Seal																	
									0.5	Top of Pack																	
									2																		
<b>CAN START VACUUM PRESS. (" HG):</b> -30.28								<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 20%;">SURFACE</th> <th style="width: 20%;">(SEAL, FILTER, ETC.)</th> <th style="width: 20%;">SURFACE</th> <th style="width: 20%;">DEPTH (INCHES) FROM SURFACE)</th> <th style="width: 20%;">NOTES</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> <td style="text-align: center;">0</td> <td style="text-align: center;">Top of Seal</td> </tr> <tr> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> <td style="text-align: center;">0.5</td> <td style="text-align: center;">Top of Pack</td> </tr> <tr> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> <td style="text-align: center;">2</td> <td></td> </tr> </tbody> </table>		SURFACE	(SEAL, FILTER, ETC.)	SURFACE	DEPTH (INCHES) FROM SURFACE)	NOTES				0	Top of Seal				0.5	Top of Pack			
SURFACE	(SEAL, FILTER, ETC.)	SURFACE	DEPTH (INCHES) FROM SURFACE)							NOTES																	
			0							Top of Seal																	
			0.5							Top of Pack																	
			2																								
<b>CAN STOP VACUUM PRESS. (" HG):</b> -6.15		<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 20%;">SURFACE</th> <th style="width: 20%;">(SEAL, FILTER, ETC.)</th> <th style="width: 20%;">SURFACE</th> <th style="width: 20%;">DEPTH (INCHES) FROM SURFACE)</th> <th style="width: 20%;">NOTES</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> <td style="text-align: center;">0</td> <td style="text-align: center;">Top of Seal</td> </tr> <tr> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> <td style="text-align: center;">0.5</td> <td style="text-align: center;">Top of Pack</td> </tr> <tr> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> <td style="text-align: center;">2</td> <td></td> </tr> </tbody> </table>								SURFACE	(SEAL, FILTER, ETC.)	SURFACE	DEPTH (INCHES) FROM SURFACE)	NOTES				0	Top of Seal				0.5	Top of Pack			
SURFACE	(SEAL, FILTER, ETC.)			SURFACE	DEPTH (INCHES) FROM SURFACE)					NOTES																	
					0					Top of Seal																	
					0.5					Top of Pack																	
					2																						
<b>SAMPLE LOCATION SKETCH</b>				<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 20%;">SURFACE</th> <th style="width: 20%;">(SEAL, FILTER, ETC.)</th> <th style="width: 20%;">SURFACE</th> <th style="width: 20%;">DEPTH (INCHES) FROM SURFACE)</th> <th style="width: 20%;">NOTES</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> <td style="text-align: center;">0</td> <td style="text-align: center;">Top of Seal</td> </tr> <tr> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> <td style="text-align: center;">0.5</td> <td style="text-align: center;">Top of Pack</td> </tr> <tr> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> <td style="text-align: center;">2</td> <td></td> </tr> </tbody> </table>						SURFACE	(SEAL, FILTER, ETC.)	SURFACE	DEPTH (INCHES) FROM SURFACE)	NOTES				0	Top of Seal				0.5	Top of Pack			
SURFACE	(SEAL, FILTER, ETC.)					SURFACE	DEPTH (INCHES) FROM SURFACE)			NOTES																	
							0			Top of Seal																	
							0.5			Top of Pack																	
							2																				
See Sample Location Plan						<b>NOTES</b>																					

**Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C.**  
21 Penn Plaza, 360 West 31st Street, 8th Floor, New York, New York 10001-2727

# SOIL VAPOR SAMPLING LOG SHEET

Sample Number: SSV11

<b>PROJECT:</b> 266-270 West 96th Street		<b>PROJECT NO.:</b> 170432001																																																																	
<b>LOCATION:</b> New York, NY		<b>SURFACE ELEVATION AND DATUM:</b> NA																																																																	
<b>DRILLING FIRM OR LANGAN INSTALLER:</b> AARCO		<b>INSTALLATION DATE STARTED:</b> 10/29/2020	<b>DATE FINISHED:</b> 10/29/2020																																																																
<b>INSTALLATION FOREMAN:</b> Sergio Manana		<b>SAMPLE DATE STARTED:</b> 10/30/2020	<b>DATE FINISHED:</b> 10/30/2020																																																																
<b>INSTALLATION EQUIPMENT:</b> Hilti Hammer Drill		<b>TYPE OF SAMPLING DEVICE:</b> 6-Liter Summa Canister																																																																	
<b>INSPECTOR:</b> Meghan Aronica and Luke McCartney		<b>SAMPLER:</b> Meghan Aronica and Luke McCartney																																																																	
<b>POTENTIAL SAMPLE INTERFERENCES:</b> Gasoline emissions associated with generator located on first floor outside building		<b>WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.):</b> Temp: 50s F Wind: N 10-20 mph Precipitation: Rain Pressure: 29.65 inHg																																																																	
<b>METHOD OF INSTALLATION AND PURGING:</b> AARCO used a hammer drill to install sub-slab soil vapor point consisting of polyethylene tubing to a depth of about 2 inches below the existing cellar concrete slab. Borehole backfilled with FilPro #2 Sand. Probe sealed with bentonite to ground surface.																																																																			
<b>TUBING TYPE/DIAMETER:</b> 3/8-inch polyethylene tubing		<b>TYPE OF MATERIAL ABOVE SEAL:</b> NA																																																																	
<b>IMPLANT SCREEN TYPE/LENGTH/DIAMETER:</b> NA		<b>SEAL MATERIAL (Bentonite, Beeswax, Modeling Clay, etc.):</b> Hydrated Bentonite Chips																																																																	
<b>BOREHOLE DIAMETER:</b> 2-inches		<b>FILTER PACK MATERIAL (Sand or Glass Beads):</b> Filpro #2 sand																																																																	
<b>PURGE VOLUME (L):</b> 0.02			<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">PURGE VOLUME (L):</th> <th style="width: 30%;">0.02</th> <th style="width: 20%;">DEPTH (INCHES FROM SURFACE)</th> <th style="width: 20%;">NOTES</th> </tr> </thead> <tbody> <tr> <td>PURGE FLOW RATE (ML/MIN):</td> <td>10</td> <td></td> <td></td> </tr> <tr> <td>PID AFTER PURGE (PPM):</td> <td>1.0</td> <td></td> <td></td> </tr> <tr> <td>HELIUM TEST IN BUCKET(%):</td> <td>21.9</td> <td></td> <td></td> </tr> <tr> <td>HELIUM TEST IN TUBE (PPM):</td> <td>0%</td> <td></td> <td></td> </tr> <tr> <td>SAMPLE START DATE/TIME:</td> <td>10/30/2020 10:46</td> <td></td> <td></td> </tr> <tr> <td>SAMPLE STOP DATE/TIME:</td> <td>10/30/2020 18:46</td> <td></td> <td></td> </tr> <tr> <td>TOTAL SAMPLE TIME (MIN):</td> <td>480</td> <td></td> <td></td> </tr> <tr> <td>FLOW RATE (L/MIN):</td> <td>0.013</td> <td></td> <td></td> </tr> <tr> <td>VOLUME OF SAMPLE (LITERS):</td> <td>6</td> <td></td> <td></td> </tr> <tr> <td>PID AFTER SAMPLE (PPM):</td> <td>0.0</td> <td></td> <td></td> </tr> <tr> <td>SAMPLE MOISTURE CONTENT:</td> <td>NA</td> <td></td> <td></td> </tr> <tr> <td>CAN SERIAL NUMBER:</td> <td>2560</td> <td></td> <td></td> </tr> <tr> <td>REGULATOR SERIAL NUMBER:</td> <td>1791</td> <td></td> <td></td> </tr> <tr> <td>CAN START VACUUM PRESS. (" HG):</td> <td>-29.6</td> <td></td> <td></td> </tr> <tr> <td>CAN STOP VACUUM PRESS. (" HG):</td> <td>-6.07</td> <td></td> <td></td> </tr> </tbody> </table>	PURGE VOLUME (L):	0.02	DEPTH (INCHES FROM SURFACE)	NOTES	PURGE FLOW RATE (ML/MIN):	10			PID AFTER PURGE (PPM):	1.0			HELIUM TEST IN BUCKET(%):	21.9			HELIUM TEST IN TUBE (PPM):	0%			SAMPLE START DATE/TIME:	10/30/2020 10:46			SAMPLE STOP DATE/TIME:	10/30/2020 18:46			TOTAL SAMPLE TIME (MIN):	480			FLOW RATE (L/MIN):	0.013			VOLUME OF SAMPLE (LITERS):	6			PID AFTER SAMPLE (PPM):	0.0			SAMPLE MOISTURE CONTENT:	NA			CAN SERIAL NUMBER:	2560			REGULATOR SERIAL NUMBER:	1791			CAN START VACUUM PRESS. (" HG):	-29.6			CAN STOP VACUUM PRESS. (" HG):	-6.07		
PURGE VOLUME (L):	0.02			DEPTH (INCHES FROM SURFACE)	NOTES																																																														
PURGE FLOW RATE (ML/MIN):	10																																																																		
PID AFTER PURGE (PPM):	1.0																																																																		
HELIUM TEST IN BUCKET(%):	21.9																																																																		
HELIUM TEST IN TUBE (PPM):	0%																																																																		
SAMPLE START DATE/TIME:	10/30/2020 10:46																																																																		
SAMPLE STOP DATE/TIME:	10/30/2020 18:46																																																																		
TOTAL SAMPLE TIME (MIN):	480																																																																		
FLOW RATE (L/MIN):	0.013																																																																		
VOLUME OF SAMPLE (LITERS):	6																																																																		
PID AFTER SAMPLE (PPM):	0.0																																																																		
SAMPLE MOISTURE CONTENT:	NA																																																																		
CAN SERIAL NUMBER:	2560																																																																		
REGULATOR SERIAL NUMBER:	1791																																																																		
CAN START VACUUM PRESS. (" HG):	-29.6																																																																		
CAN STOP VACUUM PRESS. (" HG):	-6.07																																																																		
<b>PURGE FLOW RATE (ML/MIN):</b> 10																																																																			
<b>PID AFTER PURGE (PPM):</b> 1.0																																																																			
<b>HELIUM TEST IN BUCKET(%):</b> 21.9																																																																			
<b>HELIUM TEST IN TUBE (PPM):</b> 0%																																																																			
<b>SAMPLE START DATE/TIME:</b> 10/30/2020 10:46																																																																			
<b>SAMPLE STOP DATE/TIME:</b> 10/30/2020 18:46																																																																			
<b>TOTAL SAMPLE TIME (MIN):</b> 480																																																																			
<b>FLOW RATE (L/MIN):</b> 0.013																																																																			
<b>VOLUME OF SAMPLE (LITERS):</b> 6																																																																			
<b>PID AFTER SAMPLE (PPM):</b> 0.0																																																																			
<b>SAMPLE MOISTURE CONTENT:</b> NA																																																																			
<b>CAN SERIAL NUMBER:</b> 2560																																																																			
<b>REGULATOR SERIAL NUMBER:</b> 1791																																																																			
<b>CAN START VACUUM PRESS. (" HG):</b> -29.6																																																																			
<b>CAN STOP VACUUM PRESS. (" HG):</b> -6.07																																																																			
<b>SAMPLE LOCATION SKETCH</b>		<b>NOTES</b>																																																																	
See Sample Location Plan																																																																			

**Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C.**  
21 Penn Plaza, 360 West 31st Street, 8th Floor, New York, New York 10001-2727

**SOIL VAPOR SAMPLING LOG SHEET**

Sample Number: SSV12

<b>PROJECT:</b> 266-270 West 96th Street		<b>PROJECT NO.:</b> 170432001																		
<b>LOCATION:</b> New York, NY		<b>SURFACE ELEVATION AND DATUM:</b> NA																		
<b>DRILLING FIRM OR LANGAN INSTALLER:</b> AARCO		<b>INSTALLATION DATE STARTED:</b> 10/29/2020	<b>DATE FINISHED:</b> 10/29/2020																	
<b>INSTALLATION FOREMAN:</b> Sergio Manana		<b>SAMPLE DATE STARTED:</b> 10/30/2020	<b>DATE FINISHED:</b> 10/30/2020																	
<b>INSTALLATION EQUIPMENT:</b> Hilti Hammer Drill		<b>TYPE OF SAMPLING DEVICE:</b> 6-Liter Summa Canister																		
<b>INSPECTOR:</b> Meghan Aronica and Luke McCartney		<b>SAMPLER:</b> Meghan Aronica and Luke McCartney																		
<b>POTENTIAL SAMPLE INTERFERENCES:</b> Gasoline emissions associated with generator located on first floor outside building		<b>WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.):</b> Temp: 50s F Wind: N 10-20 mph Precipitation: Rain Pressure: 29.65 inHg																		
<b>METHOD OF INSTALLATION AND PURGING:</b> AARCO used a hammer drill to install sub-slab soil vapor point consisting of polyethylene tubing to a depth of about 2 inches below the existing cellar concrete slab. Borehole backfilled with FilPro #2 Sand. Probe sealed with bentonite to ground surface.																				
<b>TUBING TYPE/DIAMETER:</b> 3/8-inch polyethylene tubing		<b>TYPE OF MATERIAL ABOVE SEAL:</b> NA																		
<b>IMPLANT SCREEN TYPE/LENGTH/DIAMETER:</b> NA		<b>SEAL MATERIAL (Bentonite, Beeswax, Modeling Clay, etc.):</b> Hydrated Bentonite Chips																		
<b>BOREHOLE DIAMETER:</b> 2-inches		<b>FILTER PACK MATERIAL (Sand or Glass Beads):</b> Filpro #2 sand																		
<b>PURGE VOLUME (L):</b>	0.02	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th align="center" colspan="2">IMPLANT/PROBE DETAILS (SEAL, FILTER, ETC.)</th> <th align="center">DEPTH (INCHES FROM SURFACE)</th> <th align="center">NOTES</th> </tr> <tr> <td align="center">SURFACE</td> <td align="center">SURFACE</td> <td></td> <td></td> </tr> </thead> <tbody> <tr> <td align="center" colspan="2" rowspan="2"> </td> <td align="center">0</td> <td></td> </tr> <tr> <td align="center">0.5</td> <td></td> </tr> <tr> <td align="center" colspan="2"></td> <td align="center">2</td> <td></td> </tr> </tbody> </table>	IMPLANT/PROBE DETAILS (SEAL, FILTER, ETC.)		DEPTH (INCHES FROM SURFACE)	NOTES	SURFACE	SURFACE					0		0.5				2	
IMPLANT/PROBE DETAILS (SEAL, FILTER, ETC.)			DEPTH (INCHES FROM SURFACE)	NOTES																
SURFACE	SURFACE																			
			0																	
			0.5																	
			2																	
<b>PURGE FLOW RATE (ML/MIN):</b>	10																			
<b>PID AFTER PURGE (PPM):</b>	2.7																			
<b>HELIUM TEST IN BUCKET(%):</b>	27.0																			
<b>HELIUM TEST IN TUBE (PPM):</b>	0%																			
<b>SAMPLE START DATE/TIME:</b>	10/30/2020 10:50																			
<b>SAMPLE STOP DATE/TIME:</b>	10/30/2020 6:50																			
<b>TOTAL SAMPLE TIME (MIN):</b>	480																			
<b>FLOW RATE (L/MIN):</b>	0.0125																			
<b>VOLUME OF SAMPLE (LITERS):</b>	6																			
<b>PID AFTER SAMPLE (PPM):</b>	0.0																			
<b>SAMPLE MOISTURE CONTENT:</b>	NA																			
<b>CAN SERIAL NUMBER:</b>	2617																			
<b>REGULATOR SERIAL NUMBER:</b>	1695																			
<b>CAN START VACUUM PRESS. (" HG):</b>	-30.21																			
<b>CAN STOP VACUUM PRESS. (" HG):</b>	-6.19																			
<b>SAMPLE LOCATION SKETCH</b>		<b>NOTES</b>																		
See Sample Location Plan																				

**Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C.**  
21 Penn Plaza, 360 West 31st Street, 8th Floor, New York, New York 10001-2727

## AIR SAMPLING LOG SHEET

Sample Number: IA08

<b>PROJECT:</b> 266-270 West 96th Street	<b>PROJECT NO.:</b> 170432001																										
<b>LOCATION:</b> New York, NY	<b>SURFACE ELEVATION AND DATUM:</b> N/A																										
<b>SAMPLER:</b> Meghan Aronica	<b>SAMPLE DATE STARTED:</b> 11/20/2020																										
<b>INSPECTOR:</b> Meghan Aronica	<b>DATE FINISHED:</b> 11/20/2020																										
<b>POTENTIAL SAMPLE INTERFERENCES:</b>  Potential interference from leaking AST in same room	<b>TYPE OF SAMPLING DEVICE:</b> 6-Liter Summa Canister																										
<b>METHOD OF INSTALLATION AND SAMPLING:</b> Langan field screened the sample location with a MultiRAE photoionization detector prior to sampling. Sample consisted of 6-L Summa canister fitted with an 8-hour flow control valve. The flow controller was zeroed and valve opened to initiate the 8-hour sample collection. The sample and flow controller were checked each hour during sampling to ensure proper operation.	<b>WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.):</b> Temp: 50-60s F Wind: IE 2-10 mph Precipitation: None Pressure: 29.99 inHg																										
<b>SAMPLE DETAILS</b>	<b>SAMPLE LOCATION SKETCH</b>																										
<table style="width: 100%; border-collapse: collapse;"> <tr><td style="width: 70%;">HEIGHT ABOVE GROUND (FT):</td><td style="border-bottom: 1px solid black; text-align: center;">40"</td></tr> <tr><td>PID BEFORE SAMPLE (PPM):</td><td style="border-bottom: 1px solid black; text-align: center;">0.0</td></tr> <tr><td>SAMPLE START TIME:</td><td style="border-bottom: 1px solid black; text-align: center;">7:31</td></tr> <tr><td>SAMPLE STOP TIME:</td><td style="border-bottom: 1px solid black; text-align: center;">15:31</td></tr> <tr><td>TOTAL SAMPLE TIME (MIN):</td><td style="border-bottom: 1px solid black; text-align: center;">480</td></tr> <tr><td>REGULATOR FLOW RATE (L/MIN):</td><td style="border-bottom: 1px solid black; text-align: center;">0.013</td></tr> <tr><td>VOLUME OF SAMPLE (LITERS):</td><td style="border-bottom: 1px solid black; text-align: center;">6</td></tr> <tr><td>PID AFTER SAMPLE (PPM):</td><td style="border-bottom: 1px solid black; text-align: center;">0.0</td></tr> <tr><td>SAMPLE MOISTURE CONTENT:</td><td style="border-bottom: 1px solid black; text-align: center;">N/A</td></tr> <tr><td>CAN SERIAL NUMBER:</td><td style="border-bottom: 1px solid black; text-align: center;">1629</td></tr> <tr><td>REGULATOR SERIAL NUMBER:</td><td style="border-bottom: 1px solid black; text-align: center;">1561</td></tr> <tr><td>CAN START VACUUM PRESS. (" HG):</td><td style="border-bottom: 1px solid black; text-align: center;">-30.83</td></tr> <tr><td>CAN STOP VACUUM PRESS. (" HG):</td><td style="border-bottom: 1px solid black; text-align: center;">-8</td></tr> </table>	HEIGHT ABOVE GROUND (FT):	40"	PID BEFORE SAMPLE (PPM):	0.0	SAMPLE START TIME:	7:31	SAMPLE STOP TIME:	15:31	TOTAL SAMPLE TIME (MIN):	480	REGULATOR FLOW RATE (L/MIN):	0.013	VOLUME OF SAMPLE (LITERS):	6	PID AFTER SAMPLE (PPM):	0.0	SAMPLE MOISTURE CONTENT:	N/A	CAN SERIAL NUMBER:	1629	REGULATOR SERIAL NUMBER:	1561	CAN START VACUUM PRESS. (" HG):	-30.83	CAN STOP VACUUM PRESS. (" HG):	-8	See Sample Location Plan
HEIGHT ABOVE GROUND (FT):	40"																										
PID BEFORE SAMPLE (PPM):	0.0																										
SAMPLE START TIME:	7:31																										
SAMPLE STOP TIME:	15:31																										
TOTAL SAMPLE TIME (MIN):	480																										
REGULATOR FLOW RATE (L/MIN):	0.013																										
VOLUME OF SAMPLE (LITERS):	6																										
PID AFTER SAMPLE (PPM):	0.0																										
SAMPLE MOISTURE CONTENT:	N/A																										
CAN SERIAL NUMBER:	1629																										
REGULATOR SERIAL NUMBER:	1561																										
CAN START VACUUM PRESS. (" HG):	-30.83																										
CAN STOP VACUUM PRESS. (" HG):	-8																										
<b>NOTES</b>																											
<b>Langan Engineering, Environmental, Surveying, Landscape Architecture, and Geology D.P.C.</b> 21 Penn Plaza, 360 West 31st Street, 8th Floor, New York, New York 10001-2727																											

## AIR SAMPLING LOG SHEET

Sample Number: IA09

<b>PROJECT:</b> 266-270 West 96th Street	<b>PROJECT NO.:</b> 170432001	
<b>LOCATION:</b> New York, NY	<b>SURFACE ELEVATION AND DATUM:</b> N/A	
<b>SAMPLER:</b> Meghan Aronica	<b>SAMPLE DATE STARTED:</b> 11/19/2020	<b>DATE FINISHED:</b> 11/19/2020
<b>INSPECTOR:</b> Meghan Aronica	<b>TYPE OF SAMPLING DEVICE:</b> 6-Liter Summa Canister	
<b>POTENTIAL SAMPLE INTERFERENCES:</b>  Potential interference from leaking AST in same room	<b>WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.):</b> Temp: 40s F Wind: NE 5-9 mph Precipitation: None Pressure: 29.99 inHg	

**METHOD OF INSTALLATION AND SAMPLING:**  
Langan field screened the sample location with a MultiRAE photoionization detector prior to sampling. Sample consisted of 6-L Summa canister fitted with an 8-hour flow control valve. The flow controller was zeroed and valve opened to initiate the 8-hour sample collection. The sample and flow controller were checked each hour during sampling to ensure proper operation.

SAMPLE DETAILS	SAMPLE LOCATION SKETCH
HEIGHT ABOVE GROUND (FT): 40"	See Sample Location Plan
PID BEFORE SAMPLE (PPM): 0.0	
SAMPLE START TIME: 9:16	
SAMPLE STOP TIME: 17:16	
TOTAL SAMPLE TIME (MIN): 480	
REGULATOR FLOW RATE (L/MIN): 0.013	
VOLUME OF SAMPLE (LITERS): 6	
PID AFTER SAMPLE (PPM): 0.0	
SAMPLE MOISTURE CONTENT: N/A	
CAN SERIAL NUMBER: 956	
REGULATOR SERIAL NUMBER: 915	
CAN START VACUUM PRESS. (" HG): -31.05	
CAN STOP VACUUM PRESS. (" HG): -6.78	

**NOTES**

**Langan Engineering, Environmental, Surveying, Landscape Architecture, and Geology D.P.C.**  
21 Penn Plaza, 360 West 31st Street, 8th Floor, New York, New York 10001-2727

## AIR SAMPLING LOG SHEET

Sample Number: IA10

<b>PROJECT:</b> 266-270 West 96th Street	<b>PROJECT NO.:</b> 170432001
<b>LOCATION:</b> New York, NY	<b>SURFACE ELEVATION AND DATUM:</b> N/A
<b>SAMPLER:</b> Meghan Aronica and Luke McCartne	<b>SAMPLE DATE STARTED:</b> 10/30/2020
<b>INSPECTOR:</b> Meghan Aronica and Luke McCartne	<b>DATE FINISHED:</b> 10/30/2020
<b>POTENTIAL SAMPLE INTERFERENCES:</b> Gasoline emissions associated with generator located on first floor outside building	<b>TYPE OF SAMPLING DEVICE:</b> 6-Liter Summa Canister
	<b>WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.):</b> Temp: 50s F Wind: N 10-20 mph Precipitation: Rain Pressure: 29.65 inHg
<b>METHOD OF INSTALLATION AND SAMPLING:</b> Langan field screened the sample location with a MultiRAE photoionization detector prior to sampling. Sample consisted of 6-L Summa canister fitted with an 8-hour flow control valve. The flow controller was zeroed and valve opened to initiate the 8-hour sample collection. The sample and flow controller were checked each hour during sampling to ensure proper operation.	
<b>SAMPLE DETAILS</b>	<b>SAMPLE LOCATION SKETCH</b>
HEIGHT ABOVE GROUND (FT): 0"	See Sample Location Plan
PID BEFORE SAMPLE (PPM): 0.7	
SAMPLE START TIME: 10:44	
SAMPLE STOP TIME: 18:44	
TOTAL SAMPLE TIME (MIN): 480	
REGULATOR FLOW RATE (L/MIN): 0.013	
VOLUME OF SAMPLE (LITERS): 6	
PID AFTER SAMPLE (PPM): 0.0	
SAMPLE MOISTURE CONTENT: N/A	
CAN SERIAL NUMBER: 1621	
REGULATOR SERIAL NUMBER: 1465	
CAN START VACUUM PRESS. (" HG): -30.03	
CAN STOP VACUUM PRESS. (" HG): -8.4	
<b>NOTES</b>	
<p><b>Langan Engineering, Environmental, Surveying, Landscape Architecture, and Geology D.P.C.</b> 21 Penn Plaza, 360 West 31st Street, 8th Floor, New York, New York 10001-2727</p>	

## AIR SAMPLING LOG SHEET

Sample Number: IA11

<b>PROJECT:</b> 266-270 West 96th Street	<b>PROJECT NO.:</b> 170432001																										
<b>LOCATION:</b> New York, NY	<b>SURFACE ELEVATION AND DATUM:</b> N/A																										
<b>SAMPLER:</b> Meghan Aronica and Luke McCartne	<b>SAMPLE DATE STARTED:</b> 10/30/2020																										
	<b>DATE FINISHED:</b> 10/30/2020																										
<b>INSPECTOR:</b> Meghan Aronica and Luke McCartne	<b>TYPE OF SAMPLING DEVICE:</b> 6-Liter Summa Canister																										
<b>POTENTIAL SAMPLE INTERFERENCES:</b> Gasoline emissions associated with generator located on first floor outside building	<b>WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.):</b> Temp: 50s F Wind: ↓ 10-20 mph Precipitation: Rain Pressure: 29.65 inHg																										
<b>METHOD OF INSTALLATION AND SAMPLING:</b> Langan field screened the sample location with a MultiRAE photoionization detector prior to sampling. Sample consisted of 6-L Summa canister fitted with an 8-hour flow control valve. The flow controller was zeroed and valve opened to initiate the 8-hour sample collection. The sample and flow controller were checked each hour during sampling to ensure proper operation.																											
<b>SAMPLE DETAILS</b>	<b>SAMPLE LOCATION SKETCH</b>																										
<table style="width: 100%; border-collapse: collapse;"> <tr><td style="width: 60%;">HEIGHT ABOVE GROUND (FT):</td><td style="border-bottom: 1px solid black; text-align: center;">0"</td></tr> <tr><td>PID BEFORE SAMPLE (PPM):</td><td style="border-bottom: 1px solid black; text-align: center;">0.7</td></tr> <tr><td>SAMPLE START TIME:</td><td style="border-bottom: 1px solid black; text-align: center;">10:47</td></tr> <tr><td>SAMPLE STOP TIME:</td><td style="border-bottom: 1px solid black; text-align: center;">18:47</td></tr> <tr><td>TOTAL SAMPLE TIME (MIN):</td><td style="border-bottom: 1px solid black; text-align: center;">480</td></tr> <tr><td>REGULATOR FLOW RATE (L/MIN):</td><td style="border-bottom: 1px solid black; text-align: center;">0.013</td></tr> <tr><td>VOLUME OF SAMPLE (LITERS):</td><td style="border-bottom: 1px solid black; text-align: center;">6</td></tr> <tr><td>PID AFTER SAMPLE (PPM):</td><td style="border-bottom: 1px solid black; text-align: center;">0.0</td></tr> <tr><td>SAMPLE MOISTURE CONTENT:</td><td style="border-bottom: 1px solid black; text-align: center;">N/A</td></tr> <tr><td>CAN SERIAL NUMBER:</td><td style="border-bottom: 1px solid black; text-align: center;">2317</td></tr> <tr><td>REGULATOR SERIAL NUMBER:</td><td style="border-bottom: 1px solid black; text-align: center;">943</td></tr> <tr><td>CAN START VACUUM PRESS. (" HG):</td><td style="border-bottom: 1px solid black; text-align: center;">-29.8</td></tr> <tr><td>CAN STOP VACUUM PRESS. (" HG):</td><td style="border-bottom: 1px solid black; text-align: center;">-8.63</td></tr> </table>	HEIGHT ABOVE GROUND (FT):	0"	PID BEFORE SAMPLE (PPM):	0.7	SAMPLE START TIME:	10:47	SAMPLE STOP TIME:	18:47	TOTAL SAMPLE TIME (MIN):	480	REGULATOR FLOW RATE (L/MIN):	0.013	VOLUME OF SAMPLE (LITERS):	6	PID AFTER SAMPLE (PPM):	0.0	SAMPLE MOISTURE CONTENT:	N/A	CAN SERIAL NUMBER:	2317	REGULATOR SERIAL NUMBER:	943	CAN START VACUUM PRESS. (" HG):	-29.8	CAN STOP VACUUM PRESS. (" HG):	-8.63	See Sample Location Plan
HEIGHT ABOVE GROUND (FT):	0"																										
PID BEFORE SAMPLE (PPM):	0.7																										
SAMPLE START TIME:	10:47																										
SAMPLE STOP TIME:	18:47																										
TOTAL SAMPLE TIME (MIN):	480																										
REGULATOR FLOW RATE (L/MIN):	0.013																										
VOLUME OF SAMPLE (LITERS):	6																										
PID AFTER SAMPLE (PPM):	0.0																										
SAMPLE MOISTURE CONTENT:	N/A																										
CAN SERIAL NUMBER:	2317																										
REGULATOR SERIAL NUMBER:	943																										
CAN START VACUUM PRESS. (" HG):	-29.8																										
CAN STOP VACUUM PRESS. (" HG):	-8.63																										
<b>NOTES</b>																											
<b>Langan Engineering, Environmental, Surveying, Landscape Architecture, and Geology D.P.C.</b> 21 Penn Plaza, 360 West 31st Street, 8th Floor, New York, New York 10001-2727																											



## AIR SAMPLING LOG SHEET

Sample Number: IA12

<b>PROJECT:</b> 266-270 West 96th Street	<b>PROJECT NO.:</b> 170432001																										
<b>LOCATION:</b> New York, NY	<b>SURFACE ELEVATION AND DATUM:</b> N/A																										
<b>SAMPLER:</b> Meghan Aronica and Luke McCartne	<b>SAMPLE DATE STARTED:</b> 10/30/2020																										
	<b>DATE FINISHED:</b> 10/30/2020																										
<b>INSPECTOR:</b> Meghan Aronica and Luke McCartne	<b>TYPE OF SAMPLING DEVICE:</b> 6-Liter Summa Canister																										
<b>POTENTIAL SAMPLE INTERFERENCES:</b> Gasoline emissions associated with generator located on first floor outside building	<b>WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.):</b> Temp: 50s F Wind: ↓ 10-20 mph Precipitation: Rain Pressure: 29.65 inHg																										
<b>METHOD OF INSTALLATION AND SAMPLING:</b> Langan field screened the sample location with a MultiRAE photoionization detector prior to sampling. Sample consisted of 6-L Summa canister fitted with an 8-hour flow control valve. The flow controller was zeroed and valve opened to initiate the 8-hour sample collection. The sample and flow controller were checked each hour during sampling to ensure proper operation.																											
<b>SAMPLE DETAILS</b>	<b>SAMPLE LOCATION SKETCH</b>																										
<table style="width: 100%; border-collapse: collapse;"> <tr><td style="width: 70%;">HEIGHT ABOVE GROUND (FT):</td><td style="border-bottom: 1px solid black; text-align: center;">0"</td></tr> <tr><td>PID BEFORE SAMPLE (PPM):</td><td style="border-bottom: 1px solid black; text-align: center;">0.7</td></tr> <tr><td>SAMPLE START TIME:</td><td style="border-bottom: 1px solid black; text-align: center;">10:50</td></tr> <tr><td>SAMPLE STOP TIME:</td><td style="border-bottom: 1px solid black; text-align: center;">18:50</td></tr> <tr><td>TOTAL SAMPLE TIME (MIN):</td><td style="border-bottom: 1px solid black; text-align: center;">480</td></tr> <tr><td>REGULATOR FLOW RATE (L/MIN):</td><td style="border-bottom: 1px solid black; text-align: center;">0.013</td></tr> <tr><td>VOLUME OF SAMPLE (LITERS):</td><td style="border-bottom: 1px solid black; text-align: center;">6</td></tr> <tr><td>PID AFTER SAMPLE (PPM):</td><td style="border-bottom: 1px solid black; text-align: center;">0.0</td></tr> <tr><td>SAMPLE MOISTURE CONTENT:</td><td style="border-bottom: 1px solid black; text-align: center;">N/A</td></tr> <tr><td>CAN SERIAL NUMBER:</td><td style="border-bottom: 1px solid black; text-align: center;">1941</td></tr> <tr><td>REGULATOR SERIAL NUMBER:</td><td style="border-bottom: 1px solid black; text-align: center;">1418</td></tr> <tr><td>CAN START VACUUM PRESS. (" HG):</td><td style="border-bottom: 1px solid black; text-align: center;">-29.99</td></tr> <tr><td>CAN STOP VACUUM PRESS. (" HG):</td><td style="border-bottom: 1px solid black; text-align: center;">-9.01</td></tr> </table>	HEIGHT ABOVE GROUND (FT):	0"	PID BEFORE SAMPLE (PPM):	0.7	SAMPLE START TIME:	10:50	SAMPLE STOP TIME:	18:50	TOTAL SAMPLE TIME (MIN):	480	REGULATOR FLOW RATE (L/MIN):	0.013	VOLUME OF SAMPLE (LITERS):	6	PID AFTER SAMPLE (PPM):	0.0	SAMPLE MOISTURE CONTENT:	N/A	CAN SERIAL NUMBER:	1941	REGULATOR SERIAL NUMBER:	1418	CAN START VACUUM PRESS. (" HG):	-29.99	CAN STOP VACUUM PRESS. (" HG):	-9.01	See Sample Location Plan
HEIGHT ABOVE GROUND (FT):	0"																										
PID BEFORE SAMPLE (PPM):	0.7																										
SAMPLE START TIME:	10:50																										
SAMPLE STOP TIME:	18:50																										
TOTAL SAMPLE TIME (MIN):	480																										
REGULATOR FLOW RATE (L/MIN):	0.013																										
VOLUME OF SAMPLE (LITERS):	6																										
PID AFTER SAMPLE (PPM):	0.0																										
SAMPLE MOISTURE CONTENT:	N/A																										
CAN SERIAL NUMBER:	1941																										
REGULATOR SERIAL NUMBER:	1418																										
CAN START VACUUM PRESS. (" HG):	-29.99																										
CAN STOP VACUUM PRESS. (" HG):	-9.01																										
<b>NOTES</b>																											
<b>Langan Engineering, Environmental, Surveying, Landscape Architecture, and Geology D.P.C.</b> 21 Penn Plaza, 360 West 31st Street, 8th Floor, New York, New York 10001-2727																											

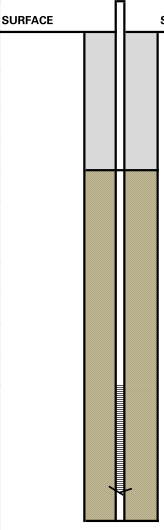
## AIR SAMPLING LOG SHEET

Sample Number: AA02

<b>PROJECT:</b> 266-270 West 96th Street	<b>PROJECT NO.:</b> 170432001																										
<b>LOCATION:</b> New York, NY	<b>SURFACE ELEVATION AND DATUM:</b> N/A																										
<b>SAMPLER:</b> Meghan Aronica	<b>SAMPLE DATE STARTED:</b> 11/19/2020																										
<b>INSPECTOR:</b> Meghan Aronica	<b>DATE FINISHED:</b> 11/19/2020																										
<b>POTENTIAL SAMPLE INTERFERENCES:</b>  N/A	<b>TYPE OF SAMPLING DEVICE:</b> 6-Liter Summa Canister																										
<b>WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.):</b> Temp: 40s F Wind: NE 5-9 mph Precipitation: None Pressure: 29.99 inHg																											
<b>METHOD OF INSTALLATION AND SAMPLING:</b> Langan field screened the sample location with a MultiRAE photoionization detector prior to sampling. Sample consisted of 6-L Summa canister fitted with an 8-hour flow control valve. The flow controller was zeroed and valve opened to initiate the 8-hour sample collection. The sample and flow controller were checked each hour during sampling to ensure proper operation.																											
<b>SAMPLE DETAILS</b>	<b>SAMPLE LOCATION SKETCH</b>																										
<table style="width: 100%; border-collapse: collapse;"> <tr><td style="width: 70%;">HEIGHT ABOVE GROUND (FT):</td><td style="border-bottom: 1px solid black; text-align: right;">40"</td></tr> <tr><td>PID BEFORE SAMPLE (PPM):</td><td style="border-bottom: 1px solid black; text-align: right;">0.0</td></tr> <tr><td>SAMPLE START TIME:</td><td style="border-bottom: 1px solid black; text-align: right;">9:00</td></tr> <tr><td>SAMPLE STOP TIME:</td><td style="border-bottom: 1px solid black; text-align: right;">17:00</td></tr> <tr><td>TOTAL SAMPLE TIME (MIN):</td><td style="border-bottom: 1px solid black; text-align: right;">480</td></tr> <tr><td>REGULATOR FLOW RATE (L/MIN):</td><td style="border-bottom: 1px solid black; text-align: right;">0.013</td></tr> <tr><td>VOLUME OF SAMPLE (LITERS):</td><td style="border-bottom: 1px solid black; text-align: right;">6</td></tr> <tr><td>PID AFTER SAMPLE (PPM):</td><td style="border-bottom: 1px solid black; text-align: right;">0.0</td></tr> <tr><td>SAMPLE MOISTURE CONTENT:</td><td style="border-bottom: 1px solid black; text-align: right;">N/A</td></tr> <tr><td>CAN SERIAL NUMBER:</td><td style="border-bottom: 1px solid black; text-align: right;">2291</td></tr> <tr><td>REGULATOR SERIAL NUMBER:</td><td style="border-bottom: 1px solid black; text-align: right;">1667</td></tr> <tr><td>CAN START VACUUM PRESS. (" HG):</td><td style="border-bottom: 1px solid black; text-align: right;">-30.36</td></tr> <tr><td>CAN STOP VACUUM PRESS. (" HG):</td><td style="border-bottom: 1px solid black; text-align: right;">-5.21</td></tr> </table>	HEIGHT ABOVE GROUND (FT):	40"	PID BEFORE SAMPLE (PPM):	0.0	SAMPLE START TIME:	9:00	SAMPLE STOP TIME:	17:00	TOTAL SAMPLE TIME (MIN):	480	REGULATOR FLOW RATE (L/MIN):	0.013	VOLUME OF SAMPLE (LITERS):	6	PID AFTER SAMPLE (PPM):	0.0	SAMPLE MOISTURE CONTENT:	N/A	CAN SERIAL NUMBER:	2291	REGULATOR SERIAL NUMBER:	1667	CAN START VACUUM PRESS. (" HG):	-30.36	CAN STOP VACUUM PRESS. (" HG):	-5.21	See Sample Location Plan
HEIGHT ABOVE GROUND (FT):	40"																										
PID BEFORE SAMPLE (PPM):	0.0																										
SAMPLE START TIME:	9:00																										
SAMPLE STOP TIME:	17:00																										
TOTAL SAMPLE TIME (MIN):	480																										
REGULATOR FLOW RATE (L/MIN):	0.013																										
VOLUME OF SAMPLE (LITERS):	6																										
PID AFTER SAMPLE (PPM):	0.0																										
SAMPLE MOISTURE CONTENT:	N/A																										
CAN SERIAL NUMBER:	2291																										
REGULATOR SERIAL NUMBER:	1667																										
CAN START VACUUM PRESS. (" HG):	-30.36																										
CAN STOP VACUUM PRESS. (" HG):	-5.21																										
<b>NOTES</b>																											
Ambient air summa canisters were lab calibrated for an 8-hour sample collection period. Sample collection ceased at the duration of approximatley 8-hours.																											
<b>Langan Engineering, Environmental, Surveying, Landscape Architecture, and Geology D.P.C.</b> 21 Penn Plaza, 360 West 31st Street, 8th Floor, New York, New York 10001-2727																											

# SOIL VAPOR SAMPLING LOG SHEET

Sample Number: SSV24\_051821

<b>PROJECT:</b> 266-270 West 96th Street		<b>PROJECT NO.:</b> 170432001		
<b>LOCATION:</b> New York, NY		<b>SURFACE ELEVATION AND DATUM:</b> NA		
<b>DRILLING FIRM OR LANGAN INSTALLER:</b> Warren George		<b>INSTALLATION DATE STARTED:</b> 5/11/2021		<b>DATE FINISHED:</b> 5/11/2021
<b>INSTALLATION FOREMAN:</b> Gregory Williams		<b>SAMPLE DATE STARTED:</b> 5/18/2021		<b>DATE FINISHED:</b> 5/18/2021
<b>INSTALLATION EQUIPMENT:</b> Hilti Hammer Drill		<b>TYPE OF SAMPLING DEVICE:</b> 6-Liter Summa Canister		
<b>INSPECTOR:</b> Luke McCartney		<b>SAMPLER:</b> Luke McCartney		
<b>POTENTIAL SAMPLE INTERFERENCES:</b>  None observed		<b>WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.):</b> Temp: 60s F Wind: W 3-5 mph Precipitation: None Pressure: 30.31 inHg		
<b>METHOD OF INSTALLATION AND PURGING:</b> Warren George used a hammer drill to install a sub-slab soil vapor point consisting of 1/4-inch polyethylene tubing to a depth of about 2 inches below the existing cellar concrete slab (about 7 inches from top of slab grade). The borehole was backfilled with FilPro #2 sand and capped with bentonite to ground surface. A helium leak test was completed prior to sample initiation. Sample consisted of 6-L Summa canister fitted with an 8-hour flow control valve. The flow controller was zeroed and valve opened to initiate the 8-hour sample collection. The sample and flow controller were checked each hour during sampling to ensure proper operation.				
<b>TUBING TYPE/DIAMETER:</b> 1/4-inch polyethylene tubing		<b>TYPE OF MATERIAL ABOVE SEAL:</b> NA		
<b>IMPLANT SCREEN TYPE/LENGTH/DIAMETER:</b> NA		<b>SEAL MATERIAL (Bentonite, Beeswax, Modeling Clay, etc.):</b> Hydrated Bentonite Powder		
<b>BOREHOLE DIAMETER:</b> 1-inch		<b>FILTER PACK MATERIAL (Sand or Glass Beads):</b> Filpro #2 sand		
<b>PURGE VOLUME (L):</b> 0.02		<b>IMPLANT/PROBE DETAILS</b> (SEAL, FILTER, ETC.)		<b>DEPTH</b> (INCHES FROM SURFACE)
<b>PURGE FLOW RATE (ML/MIN):</b> 10				
<b>PID AFTER PURGE (PPM):</b> 0.2				0
<b>HELIUM TEST IN BUCKET(%):</b> 32.0				
<b>HELIUM TEST IN TUBE (PPM):</b> 0%		<b>Top of Pack</b>		5
<b>SAMPLE START DATE/TIME:</b> 5/18/2021 9:12				
<b>SAMPLE STOP DATE/TIME:</b> 5/18/2021 17:12		<b>Top of Seal</b>		7
<b>TOTAL SAMPLE TIME (MIN):</b> 480				
<b>FLOW RATE (L/MIN):</b> 0.0125		<b>NOTES</b>		
<b>VOLUME OF SAMPLE (LITERS):</b> 6				
<b>PID AFTER SAMPLE (PPM):</b> 0.0				
<b>SAMPLE MOISTURE CONTENT:</b> NA				
<b>CAN SERIAL NUMBER:</b> 615				
<b>REGULATOR SERIAL NUMBER:</b> 118				
<b>CAN START VACUUM PRESS. (" HG):</b> -30.27				
<b>CAN STOP VACUUM PRESS. (" HG):</b> -7.98				
<b>SAMPLE LOCATION SKETCH</b>				
See Sample Location Plan				

**Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C.**

21 Penn Plaza, 360 West 31st Street, 8th Floor, New York, New York 10001-2727

# SOIL VAPOR SAMPLING LOG SHEET

Sample Number: SSV25\_051821

<b>PROJECT:</b> 266-270 West 96th Street		<b>PROJECT NO.:</b> 170432001																																																																					
<b>LOCATION:</b> New York, NY		<b>SURFACE ELEVATION AND DATUM:</b> NA																																																																					
<b>DRILLING FIRM OR LANGAN INSTALLER:</b> Warren George		<b>INSTALLATION DATE STARTED:</b> 5/11/2021	<b>DATE FINISHED:</b> 5/11/2021																																																																				
<b>INSTALLATION FOREMAN:</b> Gregory Williams		<b>SAMPLE DATE STARTED:</b> 5/18/2021	<b>DATE FINISHED:</b> 5/18/2021																																																																				
<b>INSTALLATION EQUIPMENT:</b> Hilti Hammer Drill		<b>TYPE OF SAMPLING DEVICE:</b> 6-Liter Summa Canister																																																																					
<b>INSPECTOR:</b> Luke McCartney		<b>SAMPLER:</b> Luke McCartney																																																																					
<b>POTENTIAL SAMPLE INTERFERENCES:</b>  None observed		<b>WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.):</b> Temp: 60s F Wind: W 3-5 mph Precipitation: None Pressure: 30.31 inHg																																																																					
<b>METHOD OF INSTALLATION AND PURGING:</b> Warren George used a hammer drill to install a sub-slab soil vapor point consisting of 1/4-inch polyethylene tubing to a depth of about 2 inches below the existing cellar concrete slab (about 7 inches from top of slab grade). The borehole was backfilled with FilPro #2 sand and capped with bentonite to ground surface. A helium leak test was completed prior to sample initiation. Sample consisted of 6-L Summa canister fitted with an 8-hour flow control valve. The flow controller was zeroed and valve opened to initiate the 8-hour sample collection. The sample and flow controller were checked each hour during sampling to ensure proper operation.																																																																							
<b>TUBING TYPE/DIAMETER:</b> 1/4-inch polyethylene tubing		<b>TYPE OF MATERIAL ABOVE SEAL:</b> NA																																																																					
<b>IMPLANT SCREEN TYPE/LENGTH/DIAMETER:</b> NA		<b>SEAL MATERIAL (Bentonite, Beeswax, Modeling Clay, etc.):</b> Hydrated Bentonite Powder																																																																					
<b>BOREHOLE DIAMETER:</b> 1-inch		<b>FILTER PACK MATERIAL (Sand or Glass Beads):</b> Filpro #2 sand																																																																					
<b>PURGE VOLUME (L):</b> 0.02		<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 20%;"></th> <th style="width: 20%; text-align: center;">IMPLANT/PROBE DETAILS (SEAL, FILTER, ETC.)</th> <th style="width: 20%; text-align: center;">DEPTH (INCHES FROM SURFACE)</th> <th style="width: 40%; text-align: center;">NOTES</th> </tr> </thead> <tbody> <tr> <td><b>PURGE FLOW RATE (ML/MIN):</b> 10</td> <td style="text-align: center;">SURFACE</td> <td style="text-align: center;">SURFACE</td> <td></td> </tr> <tr> <td><b>PID AFTER PURGE (PPM):</b> 0.1</td> <td style="text-align: center;">SURFACE</td> <td style="text-align: center;">SURFACE</td> <td></td> </tr> <tr> <td><b>HELIUM TEST IN BUCKET(%):</b> 26.0</td> <td style="text-align: center;">Top of Seal</td> <td style="text-align: center;">0</td> <td></td> </tr> <tr> <td><b>HELIUM TEST IN TUBE (PPM):</b> 0%</td> <td style="text-align: center;">Top of Pack</td> <td style="text-align: center;">5</td> <td></td> </tr> <tr> <td><b>SAMPLE START DATE/TIME:</b> 5/18/2021 9:15</td> <td></td> <td></td> <td></td> </tr> <tr> <td><b>SAMPLE STOP DATE/TIME:</b> 5/18/2021 17:15</td> <td></td> <td></td> <td></td> </tr> <tr> <td><b>TOTAL SAMPLE TIME (MIN):</b> 480</td> <td></td> <td></td> <td></td> </tr> <tr> <td><b>FLOW RATE (L/MIN):</b> 0.0125</td> <td></td> <td></td> <td></td> </tr> <tr> <td><b>VOLUME OF SAMPLE (LITERS):</b> 6</td> <td></td> <td></td> <td></td> </tr> <tr> <td><b>PID AFTER SAMPLE (PPM):</b> 0.0</td> <td></td> <td></td> <td></td> </tr> <tr> <td><b>SAMPLE MOISTURE CONTENT:</b> NA</td> <td></td> <td></td> <td></td> </tr> <tr> <td><b>CAN SERIAL NUMBER:</b> 2653</td> <td></td> <td></td> <td></td> </tr> <tr> <td><b>REGULATOR SERIAL NUMBER:</b> 1003</td> <td></td> <td></td> <td></td> </tr> <tr> <td><b>CAN START VACUUM PRESS. (" HG):</b> -30.68</td> <td></td> <td></td> <td></td> </tr> <tr> <td><b>CAN STOP VACUUM PRESS. (" HG):</b> -7.47</td> <td></td> <td></td> <td></td> </tr> <tr> <td colspan="2" style="text-align: center;"><b>SAMPLE LOCATION SKETCH</b></td> <td colspan="2" style="text-align: center;"><b>NOTES</b></td> </tr> </tbody> </table>			IMPLANT/PROBE DETAILS (SEAL, FILTER, ETC.)	DEPTH (INCHES FROM SURFACE)	NOTES	<b>PURGE FLOW RATE (ML/MIN):</b> 10	SURFACE	SURFACE		<b>PID AFTER PURGE (PPM):</b> 0.1	SURFACE	SURFACE		<b>HELIUM TEST IN BUCKET(%):</b> 26.0	Top of Seal	0		<b>HELIUM TEST IN TUBE (PPM):</b> 0%	Top of Pack	5		<b>SAMPLE START DATE/TIME:</b> 5/18/2021 9:15				<b>SAMPLE STOP DATE/TIME:</b> 5/18/2021 17:15				<b>TOTAL SAMPLE TIME (MIN):</b> 480				<b>FLOW RATE (L/MIN):</b> 0.0125				<b>VOLUME OF SAMPLE (LITERS):</b> 6				<b>PID AFTER SAMPLE (PPM):</b> 0.0				<b>SAMPLE MOISTURE CONTENT:</b> NA				<b>CAN SERIAL NUMBER:</b> 2653				<b>REGULATOR SERIAL NUMBER:</b> 1003				<b>CAN START VACUUM PRESS. (" HG):</b> -30.68				<b>CAN STOP VACUUM PRESS. (" HG):</b> -7.47				<b>SAMPLE LOCATION SKETCH</b>		<b>NOTES</b>	
	IMPLANT/PROBE DETAILS (SEAL, FILTER, ETC.)			DEPTH (INCHES FROM SURFACE)	NOTES																																																																		
<b>PURGE FLOW RATE (ML/MIN):</b> 10	SURFACE			SURFACE																																																																			
<b>PID AFTER PURGE (PPM):</b> 0.1	SURFACE			SURFACE																																																																			
<b>HELIUM TEST IN BUCKET(%):</b> 26.0	Top of Seal			0																																																																			
<b>HELIUM TEST IN TUBE (PPM):</b> 0%	Top of Pack			5																																																																			
<b>SAMPLE START DATE/TIME:</b> 5/18/2021 9:15																																																																							
<b>SAMPLE STOP DATE/TIME:</b> 5/18/2021 17:15																																																																							
<b>TOTAL SAMPLE TIME (MIN):</b> 480																																																																							
<b>FLOW RATE (L/MIN):</b> 0.0125																																																																							
<b>VOLUME OF SAMPLE (LITERS):</b> 6																																																																							
<b>PID AFTER SAMPLE (PPM):</b> 0.0																																																																							
<b>SAMPLE MOISTURE CONTENT:</b> NA																																																																							
<b>CAN SERIAL NUMBER:</b> 2653																																																																							
<b>REGULATOR SERIAL NUMBER:</b> 1003																																																																							
<b>CAN START VACUUM PRESS. (" HG):</b> -30.68																																																																							
<b>CAN STOP VACUUM PRESS. (" HG):</b> -7.47																																																																							
<b>SAMPLE LOCATION SKETCH</b>		<b>NOTES</b>																																																																					
<b>PURGE FLOW RATE (ML/MIN):</b> 10																																																																							
<b>PID AFTER PURGE (PPM):</b> 0.1																																																																							
<b>HELIUM TEST IN BUCKET(%):</b> 26.0																																																																							
<b>HELIUM TEST IN TUBE (PPM):</b> 0%																																																																							
<b>SAMPLE START DATE/TIME:</b> 5/18/2021 9:15																																																																							
<b>SAMPLE STOP DATE/TIME:</b> 5/18/2021 17:15																																																																							
<b>TOTAL SAMPLE TIME (MIN):</b> 480																																																																							
<b>FLOW RATE (L/MIN):</b> 0.0125																																																																							
<b>VOLUME OF SAMPLE (LITERS):</b> 6																																																																							
<b>PID AFTER SAMPLE (PPM):</b> 0.0																																																																							
<b>SAMPLE MOISTURE CONTENT:</b> NA																																																																							
<b>CAN SERIAL NUMBER:</b> 2653																																																																							
<b>REGULATOR SERIAL NUMBER:</b> 1003																																																																							
<b>CAN START VACUUM PRESS. (" HG):</b> -30.68																																																																							
<b>CAN STOP VACUUM PRESS. (" HG):</b> -7.47																																																																							
<b>SAMPLE LOCATION SKETCH</b>		<b>NOTES</b>																																																																					
See Sample Location Plan																																																																							

**Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C.**

21 Penn Plaza, 360 West 31st Street, 8th Floor, New York, New York 10001-2727

## AIR SAMPLING LOG SHEET

Sample Number: IA24\_051821

<b>PROJECT:</b> 266-270 West 96th Street	<b>PROJECT NO.:</b> 170432001
<b>LOCATION:</b> New York, NY	<b>SURFACE ELEVATION AND DATUM:</b> N/A
<b>SAMPLER:</b> Luke McCartney	<b>SAMPLE DATE STARTED:</b> 5/18/2021
<b>INSPECTOR:</b> Luke McCartney	<b>DATE FINISHED:</b> 5/18/2021
<b>POTENTIAL SAMPLE INTERFERENCES:</b>  None observed	<b>TYPE OF SAMPLING DEVICE:</b> 6-Liter Summa Canister
	<b>WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.):</b> Temp: 60s F Wind: W 3-5 mph Precipitation: None Pressure: 30.31 inHg

**METHOD OF INSTALLATION AND SAMPLING:**  
Langan field screened the sample location with a MultiRAE photoionization detector prior to sampling. Sample consisted of 6-L Summa canister fitted with an 8-hour flow control valve. The flow controller was zeroed and valve opened to initiate the 8-hour sample collection. The sample and flow controller were checked each hour during sampling to ensure proper operation.

SAMPLE DETAILS	SAMPLE LOCATION SKETCH
HEIGHT ABOVE GROUND (FT): 3.25	See Sample Location Plan
PID BEFORE SAMPLE (PPM): 0.1	
SAMPLE START TIME: 9:11	
SAMPLE STOP TIME: 17:11	
TOTAL SAMPLE TIME (MIN): 480	
REGULATOR FLOW RATE (L/MIN): 0.0125	
VOLUME OF SAMPLE (LITERS): 6	
PID AFTER SAMPLE (PPM): 0.1	
SAMPLE MOISTURE CONTENT: N/A	
CAN SERIAL NUMBER: 590	
REGULATOR SERIAL NUMBER: 909	
CAN START VACUUM PRESS. (" HG): -30.47	
CAN STOP VACUUM PRESS. (" HG): -6.82	

**NOTES**

**Langan Engineering, Environmental, Surveying, Landscape Architecture, and Geology D.P.C.**  
21 Penn Plaza, 360 West 31st Street, 8th Floor, New York, New York 10001-2727

## AIR SAMPLING LOG SHEET

Sample Number: IA25\_051821

<b>PROJECT:</b> 266-270 West 96th Street	<b>PROJECT NO.:</b> 170432001
<b>LOCATION:</b> New York, NY	<b>SURFACE ELEVATION AND DATUM:</b> N/A
<b>SAMPLER:</b> Luke McCartney	<b>SAMPLE DATE STARTED:</b> 5/18/2021
<b>INSPECTOR:</b> Luke McCartney	<b>DATE FINISHED:</b> 5/18/2021
<b>POTENTIAL SAMPLE INTERFERENCES:</b>  None observed	<b>TYPE OF SAMPLING DEVICE:</b> 6-Liter Summa Canister
	<b>WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.):</b> Temp: 60s F Wind: W 3-5 mph Precipitation: None Pressure: 30.31 inHg

**METHOD OF INSTALLATION AND SAMPLING:**  
 Langan field screened the sample location with a MultiRAE photoionization detector prior to sampling. Sample consisted of 6-L Summa canister fitted with an 8-hour flow control valve. The flow controller was zeroed and valve opened to initiate the 8-hour sample collection. The sample and flow controller were checked each hour during sampling to ensure proper operation.

SAMPLE DETAILS	SAMPLE LOCATION SKETCH																										
<table style="width: 100%; border-collapse: collapse;"> <tr><td style="width: 70%;">HEIGHT ABOVE GROUND (FT):</td><td style="border-bottom: 1px solid black; text-align: right;">3.25</td></tr> <tr><td>PID BEFORE SAMPLE (PPM):</td><td style="border-bottom: 1px solid black; text-align: right;">0.1</td></tr> <tr><td>SAMPLE START TIME:</td><td style="border-bottom: 1px solid black; text-align: right;">9:16</td></tr> <tr><td>SAMPLE STOP TIME:</td><td style="border-bottom: 1px solid black; text-align: right;">17:16</td></tr> <tr><td>TOTAL SAMPLE TIME (MIN):</td><td style="border-bottom: 1px solid black; text-align: right;">480</td></tr> <tr><td>REGULATOR FLOW RATE (L/MIN):</td><td style="border-bottom: 1px solid black; text-align: right;">0.0125</td></tr> <tr><td>VOLUME OF SAMPLE (LITERS):</td><td style="border-bottom: 1px solid black; text-align: right;">6</td></tr> <tr><td>PID AFTER SAMPLE (PPM):</td><td style="border-bottom: 1px solid black; text-align: right;">0.1</td></tr> <tr><td>SAMPLE MOISTURE CONTENT:</td><td style="border-bottom: 1px solid black; text-align: right;">N/A</td></tr> <tr><td>CAN SERIAL NUMBER:</td><td style="border-bottom: 1px solid black; text-align: right;">2620</td></tr> <tr><td>REGULATOR SERIAL NUMBER:</td><td style="border-bottom: 1px solid black; text-align: right;">1695</td></tr> <tr><td>CAN START VACUUM PRESS. (" HG):</td><td style="border-bottom: 1px solid black; text-align: right;">-30.38</td></tr> <tr><td>CAN STOP VACUUM PRESS. (" HG):</td><td style="border-bottom: 1px solid black; text-align: right;">-6.91</td></tr> </table>	HEIGHT ABOVE GROUND (FT):	3.25	PID BEFORE SAMPLE (PPM):	0.1	SAMPLE START TIME:	9:16	SAMPLE STOP TIME:	17:16	TOTAL SAMPLE TIME (MIN):	480	REGULATOR FLOW RATE (L/MIN):	0.0125	VOLUME OF SAMPLE (LITERS):	6	PID AFTER SAMPLE (PPM):	0.1	SAMPLE MOISTURE CONTENT:	N/A	CAN SERIAL NUMBER:	2620	REGULATOR SERIAL NUMBER:	1695	CAN START VACUUM PRESS. (" HG):	-30.38	CAN STOP VACUUM PRESS. (" HG):	-6.91	See Sample Location Plan
HEIGHT ABOVE GROUND (FT):	3.25																										
PID BEFORE SAMPLE (PPM):	0.1																										
SAMPLE START TIME:	9:16																										
SAMPLE STOP TIME:	17:16																										
TOTAL SAMPLE TIME (MIN):	480																										
REGULATOR FLOW RATE (L/MIN):	0.0125																										
VOLUME OF SAMPLE (LITERS):	6																										
PID AFTER SAMPLE (PPM):	0.1																										
SAMPLE MOISTURE CONTENT:	N/A																										
CAN SERIAL NUMBER:	2620																										
REGULATOR SERIAL NUMBER:	1695																										
CAN START VACUUM PRESS. (" HG):	-30.38																										
CAN STOP VACUUM PRESS. (" HG):	-6.91																										

**NOTES**

**Langan Engineering, Environmental, Surveying, Landscape Architecture, and Geology D.P.C.**  
 21 Penn Plaza, 360 West 31st Street, 8th Floor, New York, New York 10001-2727

## AIR SAMPLING LOG SHEET

Sample Number: AA01\_051821

<b>PROJECT:</b> 266-270 West 96th Street	<b>PROJECT NO.:</b> 170432001
<b>LOCATION:</b> New York, NY	<b>SURFACE ELEVATION AND DATUM:</b> N/A
<b>SAMPLER:</b> Luke McCartney	<b>SAMPLE DATE STARTED:</b> 5/18/2021
<b>INSPECTOR:</b> Luke McCartney	<b>DATE FINISHED:</b> 5/18/2021
<b>POTENTIAL SAMPLE INTERFERENCES:</b>  None observed	<b>TYPE OF SAMPLING DEVICE:</b> 6-Liter Summa Canister
	<b>WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.):</b> Temp: 60s F Wind: W 3-5 mph Precipitation: None Pressure: 30.31 inHg

**METHOD OF INSTALLATION AND SAMPLING:**  
Langan field screened the sample location with a MultiRAE photoionization detector prior to sampling. Sample consisted of 6-L Summa canister fitted with an 8-hour flow control valve. The flow controller was zeroed and valve opened to initiate the 8-hour sample collection. The sample and flow controller were checked each hour during sampling to ensure proper operation.

SAMPLE DETAILS	SAMPLE LOCATION SKETCH
HEIGHT ABOVE GROUND (FT): 4.5	See Sample Location Plan
PID BEFORE SAMPLE (PPM): 0.1	
SAMPLE START TIME: 9:17	
SAMPLE STOP TIME: 17:17	
TOTAL SAMPLE TIME (MIN): 480	
REGULATOR FLOW RATE (L/MIN): 0.0125	
VOLUME OF SAMPLE (LITERS): 6	
PID AFTER SAMPLE (PPM): 0.1	
SAMPLE MOISTURE CONTENT: N/A	
CAN SERIAL NUMBER: 961	
REGULATOR SERIAL NUMBER: 1560	
CAN START VACUUM PRESS. (" HG): -30.54	
CAN STOP VACUUM PRESS. (" HG): -7.68	

**NOTES**

**Langan Engineering, Environmental, Surveying, Landscape Architecture, and Geology D.P.C.**  
21 Penn Plaza, 360 West 31st Street, 8th Floor, New York, New York 10001-2727

**APPENDIX G**  
DATA USABILITY SUMMARY REPORT



---

1818 Market Street, Suite 3300 Philadelphia, PA 19103 T: 215.845.8900 F: 215.845.8901  
Mailing Address: 1818 Market Street, Suite 3300 Philadelphia, PA 19103

---

**To:** Joseph Yanowitz, Langan Senior Staff Engineer

**From:** Joe Conboy, Langan Staff Chemist

**Date:** January 13, 2021

**Re:** Data Usability Summary Report  
For 266-270 West 96<sup>th</sup> Street  
November 2020 Groundwater Samples  
Langan Project No.: 170432001

---

This memorandum presents the findings of an analytical data validation of the data generated from the analysis of groundwater samples collected in November 2020 by Langan Engineering and Environmental Services ("Langan") at the 266-270 West 96<sup>th</sup> Street site ("the site"). The samples were analyzed by Alpha Analytical Laboratories, Inc. (NYSDOH NELAP registration # 11148) for volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), per- and polyfluoroalkyl substances (PFAS), herbicides, polychlorinated biphenyls (PCBs), pesticides, metals including mercury (Hg) by the methods specified below.

- VOCs by SW-846 Method 8260C
- SVOCs by SW-846 Method 8270D and 8270D SIM
- PFAS by USEPA Method 537M
- Herbicides by SW-846 Method 8151A
- PCBs by SW-846 Method 8082A
- Pesticides by SW-846 Method 8081B
- Metals by SW-846 Method 6020B
- Mercury by SW-846 Method 7470A

Table 1, below, summarizes the laboratory and client sample identification numbers, sample collection dates, and analytical parameters subject to review.

# Technical Memorandum

**TABLE 1: SAMPLE SUMMARY**

<b>SDG</b>	<b>Lab Sample ID</b>	<b>Client Sample ID</b>	<b>Sample Date</b>	<b>Analytical Parameters</b>
L2051332	L2051332-04	GWFB01_11182020	11/18/2020	VOCs, SVOCs, SVOC SIM, PFAS, Pesticides, Herbicides, PCBs, Metals including Hg
L2051332	L2051332-01	MW17_11182020	11/18/2020	VOCs, SVOCs, SVOC SIM, PFAS, Pesticides, Herbicides, PCBs, Metals including Hg
L2051332	L2051332-02	MW22_11182020	11/18/2020	VOCs, SVOCs, SVOC SIM, PFAS, Pesticides, Herbicides, PCBs, Metals including Hg
L2051332	L2051332-03	GWDUP01_11182020	11/18/2020	VOCs, SVOCs, SVOC SIM, PFAS, Pesticides, Herbicides, PCBs, Metals including Hg
L2051332	L2051332-06	GWTB01_11182020	11/18/2020	VOCs
L2051332	L2051332-05	GWEB01_11182020	11/18/2020	PFAS
L2054112	L2054112-01	MW11_12042020	12/4/2020	VOCs, SVOCs, SVOC SIM, PFAS, Pesticides, Herbicides, PCBs, Metals including Hg
L2054112	L2054112-02	MW12_12042020	12/4/2020	VOCs, SVOCs, SVOC SIM, PFAS, Pesticides, Herbicides, PCBs, Metals including Hg
L2054112	L2054112-03	EBGW02_12042020	12/4/2020	PFAS
L2054112	L2054112-04	TBGW02_12042020	12/4/2020	VOCs

## Validation Overview

This data validation was performed in accordance with USEPA Region II Standard Operating Procedure (SOP) #HW-34A, "Trace Volatile Data Validation" (September 2016, Revision 1), USEPA Region II SOP #HW-33A, "Low/Medium Volatile Data Validation" (September 2016, Revision 1), USEPA Region II SOP #HW-35A, "Semivolatile Data Validation" (September 2016, Revision 1), USEPA Region II SOP #HW-17, "Validating Chlorinated Herbicides" (December 2010, Revision 3.1), USEPA Region II SOP #HW-37A, "Polychlorinated Biphenyl (PCB) Aroclor Data Validation" (June 2015, Revision 0), USEPA Region II SOP #HW-36A, "Pesticide Data Validation" (October 2016, Revision 1), USEPA Region II SOP #HW-3a, "ICP-AES Data Validation" (September 2016, Revision 1), USEPA Region II SOP #HW-3b, "ICP-MS Data Validation" (September 2016, Revision 1), USEPA Region II SOP #HW-3c, "Mercury and Cyanide Data Validation" (September 2016, Revision 1), the USEPA Contract Laboratory Program

# Technical Memorandum

Data Usability Summary Report  
For 266-270 West 96th Street  
November 2020 Groundwater Samples  
Langan Project No.: 170432001  
January 13, 2021 Page 3 of 14

“National Functional Guidelines for Organic Superfund Methods Data Review” (EPA-540-R-2017-002, January 2017), the USEPA Contract Laboratory Program “National Functional Guidelines for Inorganic Superfund Methods Data Review” (EPA-540-R-2017-001, January 2017) and the specifics of the methods employed.

EPA Method 537 was developed and validated for the analysis of finished drinking water from surface water and groundwater sources. Laboratories have modified Method 537 to enable the analysis of groundwater and soil, and to incorporate PFAS analytes not currently addressed by the promulgated method. NYSDOH offers certification for PFOA and PFOS in the drinking water category. Non-potable water and soil certification is not available; however, the method describes acceptable modifications. EPA recommends that modified methods be assessed relative to project goals and data quality objectives.

Validation includes review of the analytical data to verify that data are easily traceable and sufficiently complete to permit logical reconstruction by a qualified individual other than the originator. Items subject to review in this memorandum include holding times, sample preservation, sample extraction and digestion, instrument tuning, instrument calibration, laboratory blanks, laboratory control samples, system monitoring compounds, internal standard area counts, isotope dilution recoveries, matrix spike/spike duplicate recoveries, target compound identification and quantification, chromatograms, overall system performance, serial dilutions, dual column performance, field duplicate, trip blank sample results, and field blank sample results.

As a result of the review process, the following qualifiers may be assigned to the data in accordance with the USEPA’s guidelines and best professional judgment:

- R** – The sample results are unusable due to the quality of the data generated because certain criteria were not met. The analyte may or may not be present in the sample.
- J** – The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample.
- UJ** – The analyte was not detected at a level greater than or equal to the reporting limit (RL); however, the reported RL is approximate and may be inaccurate or imprecise.
- U** – The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the RL or the sample concentration for results impacted by blank contamination.
- NJ** – The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.

# Technical Memorandum

Data Usability Summary Report  
 For 266-270 West 96th Street  
 November 2020 Groundwater Samples  
 Langan Project No.: 170432001  
 January 13, 2021 Page 4 of 14

If any validation qualifiers are assigned these qualifiers should supersede any laboratory-applied qualifiers. Data that is not qualified as a result of this data validation is considered acceptable on the basis of the items specified for review. Data that is qualified as "R" are not sufficiently valid and technically supportable to be used for data interpretation. Data that is otherwise qualified due to minor data quality anomalies are usable, as qualified.

**TABLE 2: VALIDATOR-APPLIED QUALIFICATION**

<i>Client Sample ID</i>	<i>Analysis</i>	<i>CAS #</i>	<i>Analyte</i>	<i>Validator Qualifier</i>
MW17_11182020	E537M	1763-23-1	Perfluorooctanesulfonic Acid	J
MW17_11182020	E537M	335-67-1	Perfluorooctanoic Acid	J
MW17_11182020	SW8270DSIM	123-91-1	1,4-Dioxane (P-Dioxane)	J
MW17_11182020	SW8270DSIM	56-55-3	Benzo(a)anthracene	U (0.1)
MW17_11182020	SW8270DSIM	205-99-2	Benzo(b)fluoranthene	U (0.1)
MW22_11182020	SW8260C	96-12-8	1,2-Dibromo-3-Chloropropane	UJ
GWDUP01_11182020	SW8260C	96-12-8	1,2-Dibromo-3-Chloropropane	UJ
MW17_11182020	SW8260C	96-12-8	1,2-Dibromo-3-Chloropropane	UJ
MW17_11182020	SW8260C	541-73-1	1,3-Dichlorobenzene	UJ
MW17_11182020	SW8260C	123-91-1	1,4-Dioxane (P-Dioxane)	UJ
MW17_11182020	SW8260C	74-83-9	Bromomethane	UJ
MW17_11182020	SW8260C	75-71-8	Dichlorodifluoromethane	UJ
MW17_11182020	SW8260C	87-68-3	Hexachlorobutadiene	UJ
MW17_11182020	SW8260C	104-51-8	n-Butylbenzene	UJ
MW17_11182020	SW8260C	95-49-8	2-Chlorotoluene	UJ
MW17_11182020	SW8260C	106-43-4	4-Chlorotoluene	UJ
MW17_11182020	SW8270D	77-47-4	Hexachlorocyclopentadiene	UJ
MW17_11182020	SW8270DSIM	87-86-5	Pentachlorophenol	UJ
MW17_11182020	E537M	39108-34-4	Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2)	UJ
MW17_11182020	E537M	376-06-7	Perfluorotetradecanoic Acid	UJ
MW22_11182020	SW8260C	541-73-1	1,3-Dichlorobenzene	UJ
MW22_11182020	SW8260C	123-91-1	1,4-Dioxane (P-Dioxane)	UJ
MW22_11182020	SW8270DSIM	123-91-1	1,4-Dioxane (P-Dioxane)	J
MW22_11182020	SW8260C	95-49-8	2-Chlorotoluene	UJ

# Technical Memorandum

Data Usability Summary Report  
 For 266-270 West 96th Street  
 November 2020 Groundwater Samples  
 Langan Project No.: 170432001  
 January 13, 2021 Page 5 of 14

<i>Client Sample ID</i>	<i>Analysis</i>	<i>CAS #</i>	<i>Analyte</i>	<i>Validator Qualifier</i>
MW22_11182020	SW8260C	106-43-4	4-Chlorotoluene	UJ
MW22_11182020	SW8270DSIM	205-99-2	Benzo(b)fluoranthene	U (0.1)
MW22_11182020	SW8260C	74-83-9	Bromomethane	UJ
MW22_11182020	SW6020B	7440-70-2	Calcium	J
MW22_11182020	SW8260C	75-00-3	Chloroethane	UJ
MW22_11182020	SW8260C	75-71-8	Dichlorodifluoromethane	UJ
MW22_11182020	SW8260C	87-68-3	Hexachlorobutadiene	UJ
MW22_11182020	SW8270D	77-47-4	Hexachlorocyclopentadiene	UJ
MW22_11182020	SW8270DSIM	193-39-5	Indeno(1,2,3-cd)pyrene	U (0.1)
MW22_11182020	SW8260C	91-20-3	Naphthalene	UJ
MW22_11182020	SW8260C	104-51-8	n-Butylbenzene	UJ
MW22_11182020	E537M	2991-50-6	N-ethyl perfluorooctane-sulfonamidoacetic Acid	J
MW22_11182020	SW8270DSIM	87-86-5	Pentachlorophenol	UJ
MW22_11182020	E537M	754-91-6	Perfluorooctanesulfonamide	J
MW22_11182020	E537M	1763-23-1	Perfluorooctanesulfonic Acid	J
MW22_11182020	E537M	335-67-1	Perfluorooctanoic Acid	J
MW22_11182020	E537M	376-06-7	Perfluorotetradecanoic Acid	UJ
GWDUP01_11182020	SW8260C	541-73-1	1,3-Dichlorobenzene	UJ
GWDUP01_11182020	SW8260C	123-91-1	1,4-Dioxane (P-Dioxane)	UJ
GWDUP01_11182020	SW8270DSIM	123-91-1	1,4-Dioxane (P-Dioxane)	J
GWDUP01_11182020	SW8260C	95-49-8	2-Chlorotoluene	UJ
GWDUP01_11182020	SW8260C	106-43-4	4-Chlorotoluene	UJ
GWDUP01_11182020	SW8270DSIM	56-55-3	Benzo(a)anthracene	U (0.1)
GWDUP01_11182020	SW8270DSIM	205-99-2	Benzo(b)fluoranthene	U (0.1)
GWDUP01_11182020	SW8260C	74-83-9	Bromomethane	UJ
GWDUP01_11182020	SW8260C	75-00-3	Chloroethane	UJ

# Technical Memorandum

Data Usability Summary Report  
 For 266-270 West 96th Street  
 November 2020 Groundwater Samples  
 Langan Project No.: 170432001  
 January 13, 2021 Page 6 of 14

<i>Client Sample ID</i>	<i>Analysis</i>	<i>CAS #</i>	<i>Analyte</i>	<i>Validator Qualifier</i>
GWDUP01_11182020	SW8260C	75-71-8	Dichlorodifluoromethane	UJ
GWDUP01_11182020	SW8260C	87-68-3	Hexachlorobutadiene	UJ
GWDUP01_11182020	SW8270D	77-47-4	Hexachlorocyclopentadiene	UJ
GWDUP01_11182020	SW8270DSIM	193-39-5	Indeno(1,2,3-cd)pyrene	U (0.1)
GWDUP01_11182020	SW8260C	91-20-3	Naphthalene	UJ
GWDUP01_11182020	SW8260C	104-51-8	n-Butylbenzene	UJ
GWDUP01_11182020	SW8270DSIM	87-86-5	Pentachlorophenol	UJ
GWDUP01_11182020	E537M	355-46-4	Perfluorohexanesulfonic Acid	J
GWDUP01_11182020	E537M	1763-23-1	Perfluorooctanesulfonic Acid	J
GWDUP01_11182020	E537M	335-67-1	Perfluorooctanoic Acid	J
GWDUP01_11182020	E537M	376-06-7	Perfluorotetradecanoic Acid	UJ
GWDUP01_11182020	SW8260C	135-98-8	Sec-Butylbenzene	UJ
MW22_11182020	SW8260C	135-98-8	Sec-Butylbenzene	UJ
MW22_11182020	SW6020B	7440-23-5	Sodium	J
MW22_11182020	E537M	39108-34-4	Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2)	UJ
MW22_11182020	SW6020B	7440-28-0	Thallium	U (0.001)
MW22_11182020	SW8260C	75-01-4	Vinyl Chloride	J
GWDUP01_11182020	E537M	39108-34-4	Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2)	UJ
GWDUP01_11182020	SW8260C	75-01-4	Vinyl Chloride	J
MW11_12042020	SW8260C	96-12-8	1,2-Dibromo-3-Chloropropane	UJ
MW12_12042020	SW8260C	96-12-8	1,2-Dibromo-3-Chloropropane	UJ
MW11_12042020	SW8260C	123-91-1	1,4-Dioxane (P-Dioxane)	UJ
MW12_12042020	SW8260C	123-91-1	1,4-Dioxane (P-Dioxane)	UJ

# Technical Memorandum

Data Usability Summary Report  
For 266-270 West 96th Street  
November 2020 Groundwater Samples  
Langan Project No.: 170432001  
January 13, 2021 Page 7 of 14

<i>Client Sample ID</i>	<i>Analysis</i>	<i>CAS #</i>	<i>Analyte</i>	<i>Validator Qualifier</i>
MW11_12042020	SW8270D	51-28-5	2,4-Dinitrophenol	UJ
MW12_12042020	SW8270D	51-28-5	2,4-Dinitrophenol	UJ
MW11_12042020	SW8260C	591-78-6	2-Hexanone	UJ
MW12_12042020	SW8260C	591-78-6	2-Hexanone	UJ
MW11_12042020	SW8270D	88-75-5	2-Nitrophenol	UJ
MW12_12042020	SW8270D	88-75-5	2-Nitrophenol	UJ
MW11_12042020	SW8270D	91-94-1	3,3'-Dichlorobenzidine	UJ
MW12_12042020	SW8270D	91-94-1	3,3'-Dichlorobenzidine	UJ
MW11_12042020	SW8270D	99-09-2	3-Nitroaniline	UJ
MW12_12042020	SW8270D	99-09-2	3-Nitroaniline	UJ
MW11_12042020	SW8260C	67-64-1	Acetone	UJ
MW12_12042020	SW8260C	67-64-1	Acetone	UJ
MW11_12042020	SW8260C	107-13-1	Acrylonitrile	UJ
MW12_12042020	SW8260C	107-13-1	Acrylonitrile	UJ
MW11_12042020	SW6020B	7440-36-0	Antimony	U (0.004)
MW12_12042020	SW6020B	7440-36-0	Antimony	U (0.004)
MW11_12042020	SW8270DSIM	205-99-2	Benzo(b)fluoranthene	UJ
MW12_12042020	SW8270DSIM	205-99-2	Benzo(b)fluoranthene	UJ
MW11_12042020	SW8270D	65-85-0	Benzoic Acid	J
MW12_12042020	SW8270D	65-85-0	Benzoic Acid	J
MW11_12042020	SW8270D	108-60-1	Bis(2-chloroisopropyl) ether	UJ
MW12_12042020	SW8270D	108-60-1	Bis(2-chloroisopropyl) ether	UJ
MW11_12042020	SW8270D	117-81-7	Bis(2-ethylhexyl) phthalate	UJ
MW12_12042020	SW8270D	117-81-7	Bis(2-ethylhexyl) phthalate	UJ
MW11_12042020	SW8260C	75-25-2	Bromoform	UJ
MW12_12042020	SW8260C	75-25-2	Bromoform	UJ
MW11_12042020	SW6020B	7440-70-2	Calcium	J
MW11_12042020	SW6020B	7440-70-2	Calcium	J
MW12_12042020	SW6020B	7440-70-2	Calcium	J
MW12_12042020	SW6020B	7440-70-2	Calcium	J
MW11_12042020	SW8270DSIM	53-70-3	Dibenz(a,h)anthracene	UJ
MW12_12042020	SW8270DSIM	53-70-3	Dibenz(a,h)anthracene	UJ

# Technical Memorandum

Data Usability Summary Report  
For 266-270 West 96th Street  
November 2020 Groundwater Samples  
Langan Project No.: 170432001  
January 13, 2021 Page 8 of 14

<i>Client Sample ID</i>	<i>Analysis</i>	<i>CAS #</i>	<i>Analyte</i>	<i>Validator Qualifier</i>
MW11_12042020	SW8270D	84-74-2	Dibutyl phthalate	UJ
MW12_12042020	SW8270D	84-74-2	Dibutyl phthalate	UJ
MW11_12042020	SW8260C	75-71-8	Dichlorodifluoromethane	UJ
MW12_12042020	SW8260C	75-71-8	Dichlorodifluoromethane	UJ
MW11_12042020	SW8270D	84-66-2	Diethyl phthalate	UJ
MW12_12042020	SW8270D	84-66-2	Diethyl phthalate	UJ
MW11_12042020	SW8081B	72-20-8	Endrin	UJ
MW12_12042020	SW8081B	72-20-8	Endrin	UJ
MW11_12042020	SW8081B	76-44-8	Heptachlor	UJ
MW12_12042020	SW8081B	76-44-8	Heptachlor	UJ
MW11_12042020	SW6020B	7439-89-6	Iron	U (0.05)
MW12_12042020	SW6020B	7439-89-6	Iron	U (0.05)
MW11_12042020	SW8260C	91-20-3	Naphthalene	UJ
MW12_12042020	SW8260C	91-20-3	Naphthalene	UJ
MW11_12042020	SW6020B	7440-28-0	Thallium	U (0.001)
MW11_12042020	SW8260C	75-01-4	Vinyl Chloride	UJ
MW12_12042020	SW8260C	75-01-4	Vinyl Chloride	UJ

## MAJOR DEFICIENCIES:

Major deficiencies include those that grossly impact data quality and necessitate the rejection of results. No major deficiencies were identified.

## MINOR DEFICIENCIES:

Minor deficiencies include anomalies that directly impact data quality and necessitate qualification, but do not result in unusable data. The section below describes the minor deficiencies that were identified.

### VOCs by SW-846 Method 8260C

#### L2051332

The laboratory control sample/laboratory control sample duplicate (LCS/LCSD) for batch WG1437699 exhibited a relative percent difference (RPD) above the control limit for 1,4-dioxane (40%). The associated results in sample GWDUP01\_11182020, MW22\_11182020, and MW17\_11182020 are qualified as "UJ" based on potential indeterminate bias.



# Technical Memorandum

Data Usability Summary Report  
For 266-270 West 96th Street  
November 2020 Groundwater Samples  
Langan Project No.: 170432001  
January 13, 2021 Page 9 of 14

---

The LCS/LCSD for batch WG1438001 exhibited RPDs above the control limit for vinyl chloride (24%), chloroethane (30%), sec-butylbenzene (21%), and hexachlorobutadiene (21%). The associated results in sample 'MW22\_11182020 and GWDUP01\_11182020 are qualified as "J" or "UJ" based on potential indeterminate bias.

The LCS/LCSD for batch WG1438001 exhibited a percent recovery below the lower control limit (LCL) for naphthalene (63%, 63%). The associated results in sample 'MW22\_11182020 and GWDUP01\_11182020 are qualified as "UJ" based on potential low bias.

The ICAL for instrument VOA101 exhibited a response factor (RF) below the control limit for 1,4-dioxane (0.002). The associated results in sample GWDUP01\_11182020, MW22\_11182020, and MW17\_11182020 are qualified as "UJ" based on potential indeterminate bias.

The continuing calibration verification (CCV) analyzed on 11/21/2020 at 16:02 exhibited percent drifts (%Ds) above the control limit for dichlorodifluoromethane (-21.9%), bromomethane (-51.3%), 2-chlorotoluene (-20.4%), 4-chlorotoluene (-20.4%), 1,3-dichlorobenzene (-20.1%), n-butylbenzene (-22%), 1,2-dibromo-3-chloropropane (21.5%), and hexachlorobutadiene (-32.3%). The associated results in sample GWDUP01\_11182020, MW22\_11182020, and MW17\_11182020 are qualified as "UJ" based on potential indeterminate bias.

## L2054112

The ICAL for instrument ICAL17296 exhibited RFs below the control limit for acetone (0.043), acrylonitrile (0.048), and 1,4-dioxane (0.002). The associated results in sample MW11\_12042020 and MW12\_12042020 are qualified as "UJ" based on potential indeterminate bias.

The CCV analyzed on 12/8/2020 at 18:55 exhibited %Ds above the control limit for 1,4-dioxane (p-dioxane) (29.9%), 2-hexanone (22%), acetone (27.9%), bromoform (20.9%), dichlorodifluoromethane (21.9%), naphthalene (26.3%), vinyl chloride (20.9%), and 1,2-dibromo-3-chloropropane (36.7%). The associated results in sample MW11\_12042020 and MW12\_12042020 are qualified as "UJ" based on potential indeterminate bias.

The CCV analyzed on 12/8/2020 at 18:55 exhibited RFs below the control limit for 1,2-dibromo-3-chloropropane (0.05), 1,4-dioxane (p-dioxane) (0.00117), 2-hexanone (0.092), acetone (0.031), and acrylonitrile (0.039). The associated results in sample MW11\_12042020 and MW12\_12042020 are qualified as "UJ" based on potential indeterminate bias.

# Technical Memorandum

Data Usability Summary Report  
For 266-270 West 96th Street  
November 2020 Groundwater Samples  
Langan Project No.: 170432001  
January 13, 2021 Page 10 of 14

## **SVOCs by SW-846 Method 8270D and 8270D SIM**

### L2051332

The field blank (FB) (GWFB01\_11182020) exhibited detections of benzo(a)anthracene (0.03 ug/l), benzo(a)pyrene (0.02 ug/l), benzo(b)fluoranthene (0.04 ug/l), benzo(g,h,i)perylene (0.04 ug/l), benzo(k)fluoranthene (0.01 ug/l), and indeno(1,2,3-cd)pyrene (0.04 ug/l). The associated results in sample GWDUP01\_11182020, MW22\_11182020, and MW17\_11182020 are qualified as "U" at the reporting limit based on potential blank contamination.

The CCV analyzed on 11/20/2020 at 08:53 exhibited a %D above the control limit for hexachlorocyclopentadiene (-34.1%). The associated results in sample GWDUP01\_11182020, MW22\_11182020, and MW17\_11182020 are qualified as "UJ" based on potential indeterminate bias.

The CCV analyzed on 11/20/2020 at 10:28 exhibited %Ds above the control limit for 1,4-dioxane (28.2%) and pentachlorophenol (-27.7%). The associated results in sample GWDUP01\_11182020, MW22\_11182020, and MW17\_11182020 are qualified as "J" or "UJ" based on potential indeterminate bias.

### L2054112

The CCV analyzed on 12/10/2020 at 04:58 exhibited %Ds above the control limit for 2,4-dinitrophenol (-29.8%), 2-nitrophenol (-22%), bis(2-chloroisopropyl) ether (-29.1%), and benzoic acid (-30.4%). The associated results in sample MW11\_12042020 and MW12\_12042020 are qualified as "J" or "UJ" based on potential indeterminate bias.

The LCS/LCSD for batch WG1443206-3 exhibited RPDs above the control limit for 3,3'-dichlorobenzidine (51%), 3-nitroaniline (36%), benzo(b)fluoranthene (31%), bis(2-ethylhexyl) phthalate (31%), dibutyl phthalate (31%), dibenz(a,h)anthracene (32%), and diethyl phthalate (31%). The associated results in sample MW11\_12042020 and MW12\_12042020 are qualified as "UJ" based on potential indeterminate bias.

## **Pesticides by SW-846 Method 8081B**

### L2054112

The LCS/LCSD for batch WG1443181-3 exhibited RPDs above the control limit for endrin (21%) and heptachlor (21%). The associated results in sample MW11\_12042020 and MW12\_12042020 are qualified as "UJ" based on potential indeterminate bias.

# Technical Memorandum

## PFAS by USEPA Method 537M

### L2051332

The CCV analyzed on 12/4/2020 at 03:04 exhibited %Ds above the control limit for 1h,1h,2h,2h-perfluorohexanesulfonic acid (4:2fts) (146.8%), 1h,1h,2h,2h-perfluorodecanesulfonic acid (8:2fts) (135.3%), perfluorononanesulfonic acid (pfns) (131.9%), and perfluorotetradecanoic acid (pfta) (135.1%). The associated results in sample GWDUP01\_11182020, MW22\_11182020, and MW17\_11182020 are qualified as "UJ" based on potential indeterminate bias.

The ion ratios for select analytes reported in sample GWDUP01\_11182020, MW22\_11182020, and MW17\_11182020 recovered outside of quality control limits. Associated sample results are qualified as "J" based on potential indeterminate bias.

## Metals by SW-846 Method 6020B

### L2051332

The FB (GWFB01\_11182020) exhibited a detection of thallium (0.00015 mg/l). The associated results in sample MW22\_11182020 are qualified as "U" at the reporting limit based on potential blank contamination.

### L2054112

The Initial Calibration Blank (ICB) analyzed on R1381801-2 exhibited a detection of thallium (0.59 ug/L). The associated results in sample MW11\_12042020 and MW12\_12042020 are qualified as "U" at the reporting limit based on potential blank contamination.

The Continuing Calibration Blank (CCB) analyzed on R1381801-5 exhibited detections of iron (21.5 ug/L), thallium (0.507 ug/L), and antimony (0.707 ug/L). The associated results in sample MW11\_12042020 and MW12\_12042020 are qualified as "U" at the reporting limit based on potential blank contamination.

The MSD performed on sample WG1443545-4 exhibited a percent recovery below the LCL for calcium, total (74%). The associated results in sample MW11\_12042020 and MW12\_12042020 are qualified as "J" based on potential low bias.

## OTHER DEFICIENCIES:

Other deficiencies include anomalies that do not directly impact data quality and do not necessitate qualification. The section below describes the other deficiencies that were identified.

# Technical Memorandum

## VOCs by SW-846 Method 8260C

### L2051332

The FB (GWFB01\_11182020) exhibited a detection of acetone (1.5 ug/l). The associated results are non-detections. No qualification is necessary.

The method blank (MB) for batch WG1437699-5 exhibited a detection of acetone (2.4 ug/l). The associated results are non-detections. No qualification is necessary.

The LCS/LCSD for batch WG1437699 exhibited a percent recovery above the upper control limit (UCL) for bromomethane (150%, 180%). The associated results are non-detections. No qualification is necessary.

The matrix spike/matrix spike duplicate (MS/MSD) performed on sample MW22\_11182020 exhibited percent recoveries above the UCL for chlorobenzene (140%, 140%), bromomethane (160%, 160%), cis-1,2-dichloroethene (200%), and hexachlorobutadiene (140%, 140%). Organic results are not qualified on the basis of MS/MSD recoveries alone. No qualification is necessary.

The MS performed on sample MW22\_11182020 exhibited a percent recovery above the UCL for trans-1,2-dichloroethene (140%). Organic results are not qualified on the basis of MS recoveries alone. No qualification is necessary.

The MS/MSD performed on sample MW22\_11182020 exhibited a RPD above the control limit for 1,4-dioxane (23%). Organic results are not qualified on the basis of MS/MSD recoveries alone. No qualification is necessary.

The CCV analyzed on 11/21/2020 at 16:02 exhibited a RF below the control limit for 1,4-dioxane (0.00141). The associated results were previously qualified. No further action is necessary.

## SVOCs by SW-846 Method 8270D and 8270D SIM

### L2051332

The sample GWDUP01\_11182020 exhibited a percent recovery above the UCL for the surrogate 2,4,6-tribromophenol (121%). No more than one surrogate from a single fraction recovered outside of the control limits. No qualification is necessary.

The LCSD for batch WG1436212 exhibited a percent recovery above the UCL for 4-nitrophenol (87%). The associated results are non-detections. No qualification is necessary.

# Technical Memorandum

## PFAS by USEPA Method 537M

### L2051332

The sample MW22\_11182020 exhibited a percent recovery above the UCL for the surrogate 1h,1h,2h,2h-perfluoro[1,2-13c2]decanesulfonic acid (m2-8:2fts) (176%). The associated results are non-detections. No qualification is necessary.

The sample GWDUP01\_11182020 exhibited a percent recovery above the UCL for the surrogate 1h,1h,2h,2h-perfluoro[1,2-13c2]decanesulfonic acid (m2-8:2fts) (189%). The associated results are non-detections. No qualification is necessary.

The CCV analyzed on 12/3/2020 at 22:06 exhibited a %D above the control limit for n-methyl perfluorooctanesulfonamidoacetic acid-branched (br-nmefosaa) (16.5%). The associated results were previously qualified. No further action is necessary.

## Metals by SW-846 Method 6020B

### L2051332

The MS/MSD performed on sample MW22\_11182020 exhibited percent recoveries below the LCL for calcium (20%, 60%) and sodium (20%, 70%). The associated results in the parent sample are >4X the spiked amount. No qualification is necessary.

The MS/MSD performed on sample MW22\_11182020 exhibited percent recoveries below the LCL for dissolved calcium (40%, 130%) and dissolved sodium (0%, 30%). The associated results in the parent sample are >4X the spiked amount. No qualification is necessary.

The MSD performed on sample MW22\_11182020 exhibited a percent recovery above the UCL for dissolved magnesium (132%). The associated results in the parent sample are >4X the spiked amount. No qualification is necessary.

### L2054112

The CCB analyzed on R1381801-14 exhibited detections of sodium (55 ug/l) and iron (21.5 ug/L). The associated results are >10X the contamination. No qualification is necessary.

The CCB analyzed on R1381801-5 exhibited detections of iron (21.5 ug/L), thallium (0.507 ug/L), and antimony (0.707 ug/L). The associated results are non-detections. No qualification is necessary.

# Technical Memorandum

Data Usability Summary Report  
For 266-270 West 96th Street  
November 2020 Groundwater Samples  
Langan Project No.: 170432001  
January 13, 2021 Page 14 of 14

---

## FIELD DUPLICATE:

One field duplicate and parent sample pairs were collected and analyzed for all parameters. For results less than 5X the RL, analytes meet the precision criteria if the absolute difference is less than  $\pm 1X$  the RL. For results greater than 5X the RL, analytes meet the precision criteria if the RPD is less than or equal to 30% for groundwater. The following field duplicate and parent sample pairs were compared to and met the precision criteria:

- MW22\_11182020 and GWDUP01\_11182020

## CONCLUSION:

On the basis of this evaluation, the laboratory appears to have followed the specified analytical methods with the exception of errors discussed above. If a given fraction is not mentioned above, that means that all specified criteria were met for that parameter. All of the data packages met ASP Category B requirements.

All data are considered usable, as qualified, with the exception of the rejected results. In addition, completeness, defined as the percentage of analytical results that are judged to be valid, is 100%.

Signed:



---

Joe Conboy  
Staff Chemist

---

989 Lenox Drive Lawrenceville, NJ 08648 T: 609.282.8000  
Mailing Address: 989 Lenox Drive Lawrenceville, NJ 08648

---

**To:** Joseph Yanowitz, Langan Senior Staff Engineer

**From:** Joe Conboy, Langan Staff Chemist

**Date:** May 26, 2021

**Re:** Data Usability Summary Report  
For 266-270 West 96<sup>th</sup> Street  
May 2021 Groundwater Samples  
Langan Project No.: 170432001

---

This memorandum presents the findings of an analytical data validation from the analysis of groundwater samples collected in May 2021 by Langan Engineering and Environmental Services at 266-270 West 96<sup>th</sup> Street. The samples were analyzed by Alpha Analytical Laboratories, Inc. (NYSDOH NELAP registration # 11148) for volatile organic compounds (VOCs) by the methods specified below.

- VOCs by SW-846 Method 8260C

Table 1, attached, summarizes the laboratory and client sample identification numbers, sample collection dates, and analytical parameters subject to review.

### **Validation Overview**

This data validation was performed in accordance with the following guidelines, where applicable:

- USEPA Region II Standard Operating Procedure (SOP) #HW-34A, "Trace Volatile Data Validation" (September 2016, Revision 1),
- USEPA Region II SOP #HW-33A, "Low/Medium Volatile Data Validation" (September 2016, Revision 1),
- USEPA Region II SOP #HW-35A, "Semivolatile Data Validation" (September 2016, Revision 1),
- USEPA Region II SOP #HW-17, "Validating Chlorinated Herbicides" (December 2010, Revision 3.1),
- USEPA Region II SOP #HW-37A, "Polychlorinated Biphenyl (PCB) Aroclor Data Validation" (June 2015, Revision 0),
- USEPA Region II SOP #HW-36A, "Pesticide Data Validation" (October 2016, Revision 1),
- USEPA Region II SOP #HW-3a, "ICP-AES Data Validation" (September 2016, Revision 1),
- USEPA Region II SOP #HW-3b, "ICP-MS Data Validation" (September 2016, Revision 1),

# Technical Memorandum

- USEPA Region II SOP #HW-3c, "Mercury and Cyanide Data Validation" (September 2016, Revision 1),
- USEPA Contract Laboratory Program "National Functional Guidelines for Organic Superfund Methods Data Review" (EPA 540- R-20-005, November 2020)
- USEPA Contract Laboratory Program "National Functional Guidelines for Inorganic Superfund Methods Data Review" (EPA 540- R-20-005, November 2020), and published analytical methodologies.

Validation includes review of the analytical data to verify that they are easily traceable and sufficiently complete to permit logical reconstruction by a qualified individual other than the originator. Items subject to review in this memorandum may include:

- holding times
- sample preservation
- sample extraction and digestion
- instrument tuning
- instrument calibration
- laboratory blanks
- laboratory control samples
- surrogates
- internal standards
- isotope dilutions
- matrix spike/spike duplicate recoveries
- target compound identification and quantification
- chromatograms
- overall system performance
- serial dilutions
- dual column performance
- field duplicates
- trip blanks
- field blanks

As a result of the review process, the following qualifiers may be assigned to the data in accordance with the USEPA guidelines and our best professional judgment:

- R** – The sample results are unusable because certain criteria were not met when generating the data. The analyte may or may not be present in the sample.
- J** – The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample.
- UJ** – The analyte was not detected at a level greater than or equal to the reporting limit; however, the reported reporting limit is approximate and may be inaccurate or imprecise.
- U** – The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the RL or the sample concentration for results impacted by blank contamination.
- NJ** – The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.

If any validation qualifiers are assigned, these qualifiers should supersede any laboratory-applied qualifiers. Data that is not qualified as a result of this data validation is considered acceptable on the basis of the items specified for review. Data that is qualified as "R" are considered invalid and are not technically usable for data interpretation. Data that is otherwise qualified because of minor data-quality anomalies are usable, as qualified in Table 2 (attached).



# Technical Memorandum

The following acronyms may be used in the discussion of data-quality issues:

%D	Percent Difference	MB	Method Blank
CCV	Continuing Calibration Verification	MDL	Method Detection Limit
FB	Field Blank	MS	Matrix Spike
FD	Field Duplicate	MSD	Matrix Spike Duplicate
ICAL	Initial Calibration	RF	Response Factor
ICV	Initial Calibration Verification	RL	Reporting Limit
ISTD	Internal Standard	RPD	Relative Percent Difference
LCL	Lower Control Limit	RSD	Relative Standard Deviation
LCS	Laboratory Control Sample	TB	Trip Blank
LCSD	Laboratory Control Sample Duplicate	UCL	Upper Control Limit

## MAJOR DEFICIENCIES:

Major deficiencies include those that grossly impact data quality and necessitate the rejection of results. No major deficiencies were identified.

## MINOR DEFICIENCIES:

Minor deficiencies include anomalies that directly impact data quality and necessitate qualification, but do not result in unusable data. The section below describes the minor deficiencies that were identified.

### VOCs by SW-846 Method 8260C

#### L2126155

The ICAL for instrument VOA122 exhibited RFs below the control limit for bromomethane (0.072), 2-butanone (0.061), trichloroethene (0.195), 1,4-dioxane (0.001), and 4-methyl-2-pentane (0.062). The associated results in sample MW24\_051821 are qualified as J or UJ because of potential indeterminate bias.

The ICV analyzed on 4/20/2021 at 10:24 exhibited %Ds above the control limit for dichlorodifluoromethane (35.6%) and vinyl acetate (33.4%). The ICV also exhibited RFs below the control limit for bromomethane (0.059), 2-butanone (0.054), 1,4-dioxane (0.00112), 4-methyl-2-pentanone (0.054), and 2-hexanone (0.099). The associated results in sample MW24\_051821 are qualified as UJ because of potential indeterminate bias.

The CCV analyzed on 5/19/2021 at 12:48 exhibited %Ds above the control limit for dichlorodifluoromethane (47.7%), chloromethane (34.4%), vinyl chloride (33.6%), bromomethane (40.3%), chloroethane (34.3%), acetone (25.6%), 2,2-dichloropropane (29%),

# Technical Memorandum

Data Usability Summary Report  
For 266-270 West 96th Street  
May 2021 Groundwater Samples  
Langan Project No.: 170432001  
May 26, 2021 Page 4 of 4

---

1,2-dichloroethane (21.4%), and trans-1,3-dichloropropene (22.6%). The associated results in sample MW24\_051821 are qualified as UJ because of potential indeterminate bias.

The CCV analyzed on 5/19/2021 at 12:48 exhibited RFs below the control limit for bromomethane (0.043), chloroethane (0.088), 2-butanone (0.055), trichloroethene (0.172), 1,4-dioxane (0.00134), 4-methyl-2-pentanone (0.051), and 2-hexanone (0.089). The associated results in sample MW24\_051821 are qualified as J or UJ because of potential indeterminate bias.

## **OTHER DEFICIENCIES:**

Other deficiencies include anomalies that do not directly impact data quality and do not necessitate qualification. No other deficiencies were identified.

## **CONCLUSION:**

On the basis of this evaluation, the laboratory appears to have followed the specified analytical methods with the exception of errors discussed above. If a given fraction is not mentioned above, that means that all specified criteria were met for that parameter. All of the data packages met ASP Category B requirements.

All data are considered usable, as qualified. In addition, completeness, defined as the percentage of analytical results that are judged to be valid, is 100%.

Signed:



Joe Conboy  
Staff Chemist

---

1818 Market Street, Suite 3300 Philadelphia, PA 19103 T: 215.845.8900 F: 215.845.8901  
Mailing Address: 1818 Market Street, Suite 3300 Philadelphia, PA 19103

---

**To:** Joe Yanowitz, Langan Senior Staff Engineer

**From:** Joe Conboy, Langan Staff Chemist

**Date:** January 18, 2021

**Re:** Data Usability Summary Report  
For 266-270 W 96<sup>th</sup> Street  
October and November 2020 Soil Samples  
Langan Project No.: 170432001

---

This memorandum presents the findings of an analytical data validation of the data generated from the analysis of soil samples collected in October and November 2020 by Langan Engineering and Environmental Services ("Langan") at the 266 – 270 W 96<sup>th</sup> Street site ("the site"). The samples were analyzed by Alpha Analytical Laboratories, Inc. (NYSDOH NELAP registration # 11148) for volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), per- and polyfluoroalkyl substances (PFAS), herbicides, polychlorinated biphenyls (PCBs), pesticides, metals including mercury (Hg), cyanide (CN), hexavalent chromium (CrVI), trivalent chromium, and total solids (%S) by the methods specified below.

- VOCs by SW-846 Method 8260C
- SVOCs by SW-846 Method 8270D and 8270D SIM
- PFAS by USEPA Method 537M
- PCBs by SW-846 Method 8082A
- Pesticides by SW-846 Method 8081B
- Metals by SW-846 Method 6010D and 6020B
- Mercury by SW-846 Method 7470B and 7471A
- CN by SW-846 Method 9012B
- CrVI by SW-846 Method 7196A
- Trivalent Chromium (calculated)
- Total Solids by Standard Method 2540G

Table 1, below, summarizes the laboratory and client sample identification numbers, sample collection dates, and analytical parameters subject to review.

# Technical Memorandum

Data Usability Summary Report  
 For 266-270 W 96th Street  
 October and November 2020 Soil Samples  
 Langan Project No.: 170432001  
 January 18, 2021 Page 2 of 36

**TABLE 1: SAMPLE SUMMARY**

<b>SDG</b>	<b>Lab Sample ID</b>	<b>Client Sample ID</b>	<b>Sample Date</b>	<b>Analytical Parameters</b>
L2047390	SB-15_0-2	L2047390-01	10/29/2020	VOCs, SVOCs, PCBs, Pesticides, PFAS, Metals, CN, CrVI
L2047390	SB-15_2.5-4.5	L2047390-02	10/29/2020	VOCs, SVOCs, PCBs, Pesticides, PFAS, Metals, CN, CrVI
L2047390	SB-17_0-2	L2047390-03	10/29/2020	VOCs, SVOCs, PCBs, Pesticides, PFAS, Metals, CN, CrVI
L2047390	SBTB01_1029 2020	L2047390-04	10/29/2020	VOCs
L2047390	SBEB01_1029 2020	L2047390-05	10/29/2020	PFAS
L2047744	SB16_0-2	L2047744-01	10/30/2020	VOCs, SVOCs, PCBs, Pesticides, PFAS, Metals, CN, CrVI
L2047744	SB16_2-4.5	L2047744-02	10/30/2020	VOCs, SVOCs, PCBs, Pesticides, PFAS, Metals, CN, CrVI
L2047744	SBTB02_1030 2020	L2047744-03	10/30/2020	VOCs
L2047744	SBEB02_1030 2020	L2047744-04	10/30/2020	PFAS
L2047884	SB12_0-1	L2047884-01	11/2/2020	VOCs, SVOCs, PCBs, Pesticides, PFAS, Metals, CN, CrVI
L2047884	SB12_3.5-5	L2047884-02	11/2/2020	VOCs, SVOCs, PCBs, Pesticides, PFAS, Metals, CN, CrVI
L2047884	SB12_11-12.5	L2047884-03	11/2/2020	VOCs, SVOCs, PCBs, Pesticides, PFAS, Metals, CN, CrVI
L2047884	SB13_0-1.5	L2047884-04	11/2/2020	VOCs, SVOCs, PCBs, Pesticides, PFAS, Metals, CN, CrVI
L2047884	SB13_4-6	L2047884-05	11/2/2020	VOCs, SVOCs, PCBs, Pesticides, PFAS, Metals, CN, CrVI
L2047884	SB13_7.5-9	L2047884-06	11/2/2020	VOCs, SVOCs, PCBs, Pesticides, PFAS, Metals, CN, CrVI
L2047884	SBDUP01_110 22020	L2047884-07	11/2/2020	VOCs, SVOCs, PCBs, Pesticides, PFAS, Metals, CN, CrVI
L2047884	SBTB03_1102 2020	L2047884-08	11/2/2020	VOCs
L2047884	SBEB03_1102 2020	L2047884-09	11/2/2020	PFAS
L2047884	SBFB01_1102 2020	L2047884-10	11/2/2020	VOCs, SVOCs, PCBs, Pesticides, PFAS, Metals, CN, CrVI
L2048123	SB18_0-1.5	L2048123-01	11/3/2020	SVOCs

# Technical Memorandum

Data Usability Summary Report  
 For 266-270 W 96th Street  
 October and November 2020 Soil Samples  
 Langan Project No.: 170432001  
 January 18, 2021 Page 3 of 36

<b>SDG</b>	<b>Lab Sample ID</b>	<b>Client Sample ID</b>	<b>Sample Date</b>	<b>Analytical Parameters</b>
L2048123	SB18_7-8	L2048123-02	11/3/2020	SVOCs
L2048123	SB18_8-9	L2048123-03	11/3/2020	SVOCs
L2048123	SB19_4-5	L2048123-04	11/3/2020	SVOCs
L2048123	SB19_5-6	L2048123-05	11/3/2020	SVOCs
L2048123	SB19_7-8	L2048123-06	11/3/2020	SVOCs
L2048123	SB20_1.5-2.5	L2048123-07	11/3/2020	SVOCs
L2048123	SB20_2.5-5	L2048123-08	11/3/2020	SVOCs
L2048123	SB20_5.5-6	L2048123-09	11/3/2020	SVOCs
L2048123	SB21_1-2	L2048123-10	11/3/2020	SVOCs
L2048123	SB21_4.5-5.5	L2048123-11	11/3/2020	SVOCs
L2048123	SB21_7-8	L2048123-12	11/3/2020	SVOCs
L2051747	SB11_0-2	L2051747-01	11/19/2020	VOCs, SVOCs, PCBs, Pesticides, PFAS, Metals, CN, CrVI
L2051747	SB11_4-5	L2051747-02	11/19/2020	VOCs, SVOCs, PCBs, Pesticides, PFAS, Metals, CN, CrVI
L2051747	SB11_5-6	L2051747-03	11/19/2020	VOCs, SVOCs, PCBs, Pesticides, PFAS, Metals, CN, CrVI
L2051747	SB10_0-2	L2051747-04	11/19/2020	VOCs, SVOCs, PCBs, Pesticides, PFAS, Metals, CN, CrVI
L2051747	SB10_3.5-5	L2051747-05	11/19/2020	VOCs, SVOCs, PCBs, Pesticides, PFAS, Metals, CN, CrVI
L2051747	SB09_0-2	L2051747-06	11/19/2020	VOCs, SVOCs, PCBs, Pesticides, PFAS, Metals, CN, CrVI
L2051747	SB09_4-6	L2051747-07	11/19/2020	VOCs, SVOCs, PCBs, Pesticides, PFAS, Metals, CN, CrVI
L2051747	DUP02_11192020	L2051747-08	11/19/2020	VOCs, SVOCs, PCBs, Pesticides, PFAS, Metals, CN, CrVI
L2051747	SBTB05_11192020	L2051747-09	11/19/2020	VOCs
L2051747	SBEB04_11192020	L2051747-10	11/19/2020	PFAS
L2051957	SB23_0-2	L2051957-01	11/20/2020	SVOCs, PCBs, Pesticides, PFAS, Metals, CN, CrVI
L2051957	SB23_5-6	L2051957-02	11/20/2020	SVOCs, PCBs, Pesticides, PFAS, Metals, CN, CrVI
L2051958	SB14_0-2	L2051958-01	11/20/2020	VOCs, SVOCs, PCBs, Pesticides, PFAS, Metals, CN, CrVI

# Technical Memorandum

Data Usability Summary Report  
 For 266-270 W 96th Street  
 October and November 2020 Soil Samples  
 Langan Project No.: 170432001  
 January 18, 2021 Page 4 of 36

<b>SDG</b>	<b>Lab Sample ID</b>	<b>Client Sample ID</b>	<b>Sample Date</b>	<b>Analytical Parameters</b>
L2051958	SB14_5-6	L2051958-02	11/20/2020	VOCs, SVOCs, PCBs, Pesticides, PFAS, Metals, CN, CrVI
L2051958	SB14_6-7	L2051958-03	11/20/2020	VOCs, SVOCs, PCBs, Pesticides, PFAS, Metals, CN, CrVI
L2051958	SB23_0-2	L2051958-04	11/20/2020	VOCs
L2051958	SBTB06_1120 2020	L2051958-05	11/20/2020	VOCs
L2051958	SBEB05_1120 2020	L2051958-06	11/20/2020	PFAS
L2051958	SBFB02_1120 2020	L2051958-07	11/20/2020	VOCs, SVOCs, PCBs, Pesticides, PFAS, Metals, CN, CrVI
L2051958	SB23_5-6	L2051958-08	11/20/2020	VOCs

## Validation Overview

This data validation was performed in accordance with USEPA Region II Standard Operating Procedure (SOP) #HW-34A, "Trace Volatile Data Validation" (September 2016, Revision 1), USEPA Region II SOP #HW-33A, "Low/Medium Volatile Data Validation" (September 2016, Revision 1), USEPA Region II SOP #HW-35A, "Semivolatile Data Validation" (September 2016, Revision 1), USEPA Region II SOP #HW-17, "Validating Chlorinated Herbicides" (December 2010, Revision 3.1), USEPA Region II SOP #HW-37A, "Polychlorinated Biphenyl (PCB) Aroclor Data Validation" (June 2015, Revision 0), USEPA Region II SOP #HW-36A, "Pesticide Data Validation" (October 2016, Revision 1), USEPA Region II SOP #HW-3a, "ICP-AES Data Validation" (September 2016, Revision 1), USEPA Region II SOP #HW-3b, "ICP-MS Data Validation" (September 2016, Revision 1), USEPA Region II SOP #HW-3c, "Mercury and Cyanide Data Validation" (September 2016, Revision 1), the USEPA Contract Laboratory Program "National Functional Guidelines for Organic Superfund Methods Data Review" (EPA-540-R-2017-002, January 2017), the USEPA Contract Laboratory Program "National Functional Guidelines for Inorganic Superfund Methods Data Review" (EPA-540-R-2017-001, January 2017) and the specifics of the methods employed.

EPA Method 537 was developed and validated for the analysis of finished drinking water from surface water and groundwater sources. Laboratories have modified Method 537 to enable the analysis of groundwater and soil, and to incorporate PFAS analytes not currently addressed by the promulgated method. NYSDOH offers certification for PFOA and PFOS in the drinking water category. Non-potable water and soil certification is not available; however, the method describes

# Technical Memorandum

acceptable modifications. EPA recommends that modified methods be assessed relative to project goals and data quality objectives.

Validation includes review of the analytical data to verify that data are easily traceable and sufficiently complete to permit logical reconstruction by a qualified individual other than the originator. Items subject to review in this memorandum include holding times, sample preservation, sample extraction and digestion, instrument tuning, instrument calibration, laboratory blanks, laboratory control samples, system monitoring compounds, internal standard area counts, isotope dilution recoveries, matrix spike/spike duplicate recoveries, target compound identification and quantification, chromatograms, overall system performance, serial dilutions, dual column performance, field duplicate, equipment rinsate blank, trip blank, and field blank sample results.

As a result of the review process, the following qualifiers may be assigned to the data in accordance with the USEPA's guidelines and best professional judgment:

- R** – The sample results are unusable due to the quality of the data generated because certain criteria were not met. The analyte may or may not be present in the sample.
- J** – The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample.
- UJ** – The analyte was not detected at a level greater than or equal to the reporting limit (RL); however, the reported RL is approximate and may be inaccurate or imprecise.
- U** – The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the RL or the sample concentration for results impacted by blank contamination.
- NJ** – The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.

If any validation qualifiers are assigned these qualifiers should supersede any laboratory-applied qualifiers. Data that is not qualified as a result of this data validation is considered acceptable on the basis of the items specified for review. Data that is qualified as "R" are not sufficiently valid and technically supportable to be used for data interpretation. Data that is otherwise qualified due to minor data quality anomalies are usable, as qualified.

# Technical Memorandum

Data Usability Summary Report  
 For 266-270 W 96th Street  
 October and November 2020 Soil Samples  
 Langan Project No.: 170432001  
 January 18, 2021 Page 6 of 36

**TABLE 2: VALIDATOR-APPLIED QUALIFICATION**

<i>Client Sample ID</i>	<i>Analysis</i>	<i>CAS #</i>	<i>Analyte</i>	<i>Validator Qualifier</i>
SB-15_0-2	E537M	1763-23-1	Perfluorooctanesulfonic Acid	J
SB-15_0-2	E537M	335-67-1	Perfluorooctanoic Acid	J
SB-15_0-2	SW8260C	123-91-1	1,4-Dioxane	UJ
SB-15_0-2	SW8260C	75-15-0	Carbon Disulfide	UJ
SB-15_0-2	SW8260C	75-00-3	Chloroethane	UJ
SB-15_0-2	SW8260C	74-87-3	Chloromethane	UJ
SB-15_0-2	SW8260C	75-69-4	Trichlorofluoromethane	UJ
SB-15_0-2	SW8260C	75-01-4	Vinyl Chloride	UJ
SB-15_0-2	SW8270D	91-94-1	3,3'-Dichlorobenzidine	UJ
SB-15_0-2	SW8270D	77-47-4	Hexachlorocyclopentadiene	UJ
SB-15_2.5-4.5	E537M	2355-31-9	N-methyl perfluorooctane-sulfonamidoacetic Acid	UJ
SB-15_2.5-4.5	E537M	307-24-4	Perfluorohexanoic Acid	J
SB-15_2.5-4.5	E537M	1763-23-1	Perfluorooctanesulfonic Acid	J
SB-15_2.5-4.5	E537M	335-67-1	Perfluorooctanoic Acid	J
SB-15_2.5-4.5	SW8260C	123-91-1	1,4-Dioxane	UJ
SB-15_2.5-4.5	SW8260C	75-15-0	Carbon Disulfide	UJ
SB-15_2.5-4.5	SW8260C	75-00-3	Chloroethane	UJ
SB-15_2.5-4.5	SW8260C	74-87-3	Chloromethane	UJ
SB-15_2.5-4.5	SW8260C	75-69-4	Trichlorofluoromethane	UJ
SB-15_2.5-4.5	SW8260C	75-01-4	Vinyl Chloride	UJ
SB-15_2.5-4.5	SW8270D	91-94-1	3,3'-Dichlorobenzidine	UJ
SB-15_2.5-4.5	SW8270D	77-47-4	Hexachlorocyclopentadiene	UJ
SB-17_0-2	E537M	1763-23-1	Perfluorooctanesulfonic Acid	J
SB-17_0-2	E537M	335-67-1	Perfluorooctanoic Acid	J
SB-17_0-2	SW8260C	123-91-1	1,4-Dioxane	UJ
SB-17_0-2	SW8260C	75-15-0	Carbon Disulfide	UJ
SB-17_0-2	SW8260C	75-00-3	Chloroethane	UJ
SB-17_0-2	SW8260C	74-87-3	Chloromethane	UJ
SB-17_0-2	SW8260C	75-69-4	Trichlorofluoromethane	UJ
SB-17_0-2	SW8260C	75-01-4	Vinyl Chloride	UJ



# Technical Memorandum

Data Usability Summary Report  
 For 266-270 W 96th Street  
 October and November 2020 Soil Samples  
 Langan Project No.: 170432001  
 January 18, 2021 Page 7 of 36

<i>Client Sample ID</i>	<i>Analysis</i>	<i>CAS #</i>	<i>Analyte</i>	<i>Validator Qualifier</i>
SB-17_0-2	SW8270D	91-94-1	3,3'-Dichlorobenzidine	UJ
SB-17_0-2	SW8270D	77-47-4	Hexachlorocyclopentadiene	UJ
SB16_0-2	E537M	335-67-1	Perfluorooctanoic Acid	J
SB16_0-2	SW8081B	1031-07-8	Endosulfan Sulfate	UJ
SB16_0-2	SW8081B	72-43-5	Methoxychlor	UJ
SB16_0-2	SW8260C	107-13-1	Acrylonitrile	UJ
SB16_0-2	SW8260C	75-15-0	Carbon Disulfide	UJ
SB16_0-2	SW8260C	79-01-6	Trichloroethene	UJ
SB16_0-2	SW8270D	123-91-1	1,4-Dioxane	UJ
SB16_0-2	SW9012B	57-12-5	Cyanide	UJ
SB16_2-4.5	E537M	2355-31-9	N-methyl perfluorooctane-sulfonamidoacetic Acid	UJ
SB16_2-4.5	E537M	335-67-1	Perfluorooctanoic Acid	J
SB16_2-4.5	SW8081B	1031-07-8	Endosulfan Sulfate	UJ
SB16_2-4.5	SW8081B	72-43-5	Methoxychlor	UJ
SB16_2-4.5	SW8260C	630-20-6	1,1,1,2-Tetrachloroethane	UJ
SB16_2-4.5	SW8260C	71-55-6	1,1,1-Trichloroethane	UJ
SB16_2-4.5	SW8260C	79-34-5	1,1,2,2-Tetrachloroethane	UJ
SB16_2-4.5	SW8260C	79-00-5	1,1,2-Trichloroethane	UJ
SB16_2-4.5	SW8260C	75-34-3	1,1-Dichloroethane	UJ
SB16_2-4.5	SW8260C	75-35-4	1,1-Dichloroethene	UJ
SB16_2-4.5	SW8260C	563-58-6	1,1-Dichloropropene	UJ
SB16_2-4.5	SW8260C	87-61-6	1,2,3-Trichlorobenzene	UJ
SB16_2-4.5	SW8260C	96-18-4	1,2,3-Trichloropropane	UJ
SB16_2-4.5	SW8260C	95-93-2	1,2,4,5-Tetramethylbenzene	UJ
SB16_2-4.5	SW8260C	120-82-1	1,2,4-Trichlorobenzene	UJ
SB16_2-4.5	SW8260C	95-63-6	1,2,4-Trimethylbenzene	UJ
SB16_2-4.5	SW8260C	96-12-8	1,2-Dibromo-3-Chloropropane	UJ
SB16_2-4.5	SW8260C	106-93-4	1,2-Dibromoethane	UJ
SB16_2-4.5	SW8260C	95-50-1	1,2-Dichlorobenzene	UJ
SB16_2-4.5	SW8260C	107-06-2	1,2-Dichloroethane	UJ
SB16_2-4.5	SW8260C	78-87-5	1,2-Dichloropropane	UJ
SB16_2-4.5	SW8260C	108-67-8	1,3,5-Trimethylbenzene	UJ

# Technical Memorandum

Data Usability Summary Report  
 For 266-270 W 96th Street  
 October and November 2020 Soil Samples  
 Langan Project No.: 170432001  
 January 18, 2021 Page 8 of 36

<i>Client Sample ID</i>	<i>Analysis</i>	<i>CAS #</i>	<i>Analyte</i>	<i>Validator Qualifier</i>
SB16_2-4.5	SW8260C	541-73-1	1,3-Dichlorobenzene	UJ
SB16_2-4.5	SW8260C	142-28-9	1,3-Dichloropropane	UJ
SB16_2-4.5	SW8260C	106-46-7	1,4-Dichlorobenzene	UJ
SB16_2-4.5	SW8260C	105-05-5	1,4-Diethyl Benzene	UJ
SB16_2-4.5	SW8260C	123-91-1	1,4-Dioxane	UJ
SB16_2-4.5	SW8260C	594-20-7	2,2-Dichloropropane	UJ
SB16_2-4.5	SW8260C	95-49-8	2-Chlorotoluene	UJ
SB16_2-4.5	SW8260C	591-78-6	2-Hexanone	UJ
SB16_2-4.5	SW8260C	106-43-4	4-Chlorotoluene	UJ
SB16_2-4.5	SW8260C	622-96-8	4-Ethyltoluene	UJ
SB16_2-4.5	SW8260C	67-64-1	Acetone	J
SB16_2-4.5	SW8260C	107-13-1	Acrylonitrile	UJ
SB16_2-4.5	SW8260C	71-43-2	Benzene	UJ
SB16_2-4.5	SW8260C	108-86-1	Bromobenzene	UJ
SB16_2-4.5	SW8260C	74-97-5	Bromochloromethane	UJ
SB16_2-4.5	SW8260C	75-27-4	Bromodichloromethane	UJ
SB16_2-4.5	SW8260C	75-25-2	Bromoform	UJ
SB16_2-4.5	SW8260C	74-83-9	Bromomethane	UJ
SB16_2-4.5	SW8260C	75-15-0	Carbon Disulfide	UJ
SB16_2-4.5	SW8260C	56-23-5	Carbon Tetrachloride	UJ
SB16_2-4.5	SW8260C	108-90-7	Chlorobenzene	UJ
SB16_2-4.5	SW8260C	75-00-3	Chloroethane	UJ
SB16_2-4.5	SW8260C	67-66-3	Chloroform	UJ
SB16_2-4.5	SW8260C	74-87-3	Chloromethane	UJ
SB16_2-4.5	SW8260C	156-59-2	Cis-1,2-Dichloroethene	UJ
SB16_2-4.5	SW8260C	10061-01-5	Cis-1,3-Dichloropropene	UJ
SB16_2-4.5	SW8260C	99-87-6	Cymene	UJ
SB16_2-4.5	SW8260C	124-48-1	Dibromochloromethane	UJ
SB16_2-4.5	SW8260C	74-95-3	Dibromomethane	UJ
SB16_2-4.5	SW8260C	75-71-8	Dichlorodifluoromethane	UJ
SB16_2-4.5	SW8260C	60-29-7	Ethyl ether	UJ
SB16_2-4.5	SW8260C	100-41-4	Ethylbenzene	UJ

# Technical Memorandum

Data Usability Summary Report  
 For 266-270 W 96th Street  
 October and November 2020 Soil Samples  
 Langan Project No.: 170432001  
 January 18, 2021 Page 9 of 36

<i>Client Sample ID</i>	<i>Analysis</i>	<i>CAS #</i>	<i>Analyte</i>	<i>Validator Qualifier</i>
SB16_2-4.5	SW8260C	87-68-3	Hexachlorobutadiene	UJ
SB16_2-4.5	SW8260C	98-82-8	Isopropylbenzene	UJ
SB16_2-4.5	SW8260C	179601-23-1	M,P-Xylene	UJ
SB16_2-4.5	SW8260C	78-93-3	2-Butanone	UJ
SB16_2-4.5	SW8260C	108-10-1	4-Methyl-2-pentanone	UJ
SB16_2-4.5	SW8260C	75-09-2	Methylene Chloride	UJ
SB16_2-4.5	SW8260C	91-20-3	Naphthalene	J
SB16_2-4.5	SW8260C	104-51-8	n-Butylbenzene	UJ
SB16_2-4.5	SW8260C	103-65-1	n-Propylbenzene	UJ
SB16_2-4.5	SW8260C	95-47-6	o-Xylene	UJ
SB16_2-4.5	SW8260C	135-98-8	Sec-Butylbenzene	UJ
SB16_2-4.5	SW8260C	100-42-5	Styrene	UJ
SB16_2-4.5	SW8260C	98-06-6	T-Butylbenzene	UJ
SB16_2-4.5	SW8260C	1634-04-4	Tert-Butyl Methyl Ether	UJ
SB16_2-4.5	SW8260C	127-18-4	Tetrachloroethene	UJ
SB16_2-4.5	SW8260C	108-88-3	Toluene	UJ
SB16_2-4.5	SW8260C	540-59-0	Total 1,2-Dichloroethene (Cis and Trans)	UJ
SB16_2-4.5	SW8260C	1330-20-7	Total Xylenes	UJ
SB16_2-4.5	SW8260C	542-75-6	Total, 1,3-Dichloropropene (Cis And Trans)	UJ
SB16_2-4.5	SW8260C	156-60-5	Trans-1,2-Dichloroethene	UJ
SB16_2-4.5	SW8260C	10061-02-6	Trans-1,3-Dichloropropene	UJ
SB16_2-4.5	SW8260C	110-57-6	Trans-1,4-Dichloro-2-Butene	UJ
SB16_2-4.5	SW8260C	79-01-6	Trichloroethene	UJ
SB16_2-4.5	SW8260C	75-69-4	Trichlorofluoromethane	UJ
SB16_2-4.5	SW8260C	108-05-4	Vinyl Acetate	UJ
SB16_2-4.5	SW8260C	75-01-4	Vinyl Chloride	UJ
SB16_2-4.5	SW8270D	123-91-1	1,4-Dioxane	UJ
SB16_2-4.5	SW9012B	57-12-5	Cyanide	UJ
SB12_0-1	E537M	307-24-4	Perfluorohexanoic Acid	J
SB12_0-1	E537M	1763-23-1	Perfluorooctanesulfonic Acid	J
SB12_0-1	E537M	335-67-1	Perfluorooctanoic Acid	J

# Technical Memorandum

Data Usability Summary Report  
 For 266-270 W 96th Street  
 October and November 2020 Soil Samples  
 Langan Project No.: 170432001  
 January 18, 2021 Page 10 of 36

<i>Client Sample ID</i>	<i>Analysis</i>	<i>CAS #</i>	<i>Analyte</i>	<i>Validator Qualifier</i>
SB12_0-1	SW7471B	7439-97-6	Mercury	J
SB12_0-1	SW8260C	123-91-1	1,4-Dioxane	UJ
SB12_0-1	SW8260C	591-78-6	2-Hexanone	UJ
SB12_0-1	SW8260C	74-97-5	Bromochloromethane	UJ
SB12_0-1	SW8260C	74-83-9	Bromomethane	UJ
SB12_0-1	SW8260C	75-15-0	Carbon Disulfide	UJ
SB12_0-1	SW8260C	75-00-3	Chloroethane	UJ
SB12_0-1	SW8260C	60-29-7	Ethyl ether	UJ
SB12_0-1	SW8260C	110-57-6	Trans-1,4-Dichloro-2-Butene	UJ
SB12_0-1	SW8260C	75-69-4	Trichlorofluoromethane	UJ
SB12_0-1	SW8270D	123-91-1	1,4-Dioxane	UJ
SB12_0-1	SW8270D	51-28-5	2,4-Dinitrophenol	UJ
SB12_0-1	SW8270D	91-94-1	3,3'-Dichlorobenzidine	UJ
SB12_0-1	SW8270D	100-02-7	4-Nitrophenol	UJ
SB12_0-1	SW8270D	77-47-4	Hexachlorocyclopentadiene	UJ
SB12_3.5-5	E537M	2991-50-6	N-ethyl perfluorooctane-sulfonamidoacetic Acid	UJ
SB12_3.5-5	E537M	2355-31-9	N-methyl perfluorooctane-sulfonamidoacetic Acid	UJ
SB12_3.5-5	SW8260C	123-91-1	1,4-Dioxane	UJ
SB12_3.5-5	SW8260C	591-78-6	2-Hexanone	UJ
SB12_3.5-5	SW8260C	74-97-5	Bromochloromethane	UJ
SB12_3.5-5	SW8260C	74-83-9	Bromomethane	UJ
SB12_3.5-5	SW8260C	75-15-0	Carbon Disulfide	UJ
SB12_3.5-5	SW8260C	75-00-3	Chloroethane	UJ
SB12_3.5-5	SW8260C	60-29-7	Ethyl ether	UJ
SB12_3.5-5	SW8260C	110-57-6	Trans-1,4-Dichloro-2-Butene	UJ
SB12_3.5-5	SW8260C	75-69-4	Trichlorofluoromethane	UJ
SB12_3.5-5	SW8270D	123-91-1	1,4-Dioxane	UJ
SB12_3.5-5	SW8270D	51-28-5	2,4-Dinitrophenol	UJ
SB12_3.5-5	SW8270D	91-94-1	3,3'-Dichlorobenzidine	UJ
SB12_3.5-5	SW8270D	100-02-7	4-Nitrophenol	UJ
SB12_3.5-5	SW8270D	77-47-4	Hexachlorocyclopentadiene	UJ

# Technical Memorandum

Data Usability Summary Report  
 For 266-270 W 96th Street  
 October and November 2020 Soil Samples  
 Langan Project No.: 170432001  
 January 18, 2021 Page 11 of 36

<i>Client Sample ID</i>	<i>Analysis</i>	<i>CAS #</i>	<i>Analyte</i>	<i>Validator Qualifier</i>
SB12_11-12.5	E537M	2991-50-6	N-ethyl perfluorooctane-sulfonamidoacetic Acid	UJ
SB12_11-12.5	E537M	2355-31-9	N-methyl perfluorooctane-sulfonamidoacetic Acid	UJ
SB12_11-12.5	E537M	307-24-4	Perfluorohexanoic Acid	J
SB12_11-12.5	E537M	335-67-1	Perfluorooctanoic Acid	J
SB12_11-12.5	SW8260C	123-91-1	1,4-Dioxane	UJ
SB12_11-12.5	SW8260C	591-78-6	2-Hexanone	UJ
SB12_11-12.5	SW8260C	74-97-5	Bromochloromethane	UJ
SB12_11-12.5	SW8260C	74-83-9	Bromomethane	UJ
SB12_11-12.5	SW8260C	75-15-0	Carbon Disulfide	UJ
SB12_11-12.5	SW8260C	75-00-3	Chloroethane	UJ
SB12_11-12.5	SW8260C	60-29-7	Ethyl ether	UJ
SB12_11-12.5	SW8260C	110-57-6	Trans-1,4-Dichloro-2-Butene	UJ
SB12_11-12.5	SW8260C	75-69-4	Trichlorofluoromethane	UJ
SB12_11-12.5	SW8270D	123-91-1	1,4-Dioxane	UJ
SB12_11-12.5	SW8270D	51-28-5	2,4-Dinitrophenol	UJ
SB12_11-12.5	SW8270D	91-94-1	3,3'-Dichlorobenzidine	UJ
SB12_11-12.5	SW8270D	100-02-7	4-Nitrophenol	UJ
SB12_11-12.5	SW8270D	77-47-4	Hexachlorocyclopentadiene	UJ
SB13_0-1.5	E537M	307-24-4	Perfluorohexanoic Acid	J
SB13_0-1.5	E537M	335-67-1	Perfluorooctanoic Acid	J
SB13_0-1.5	SW8260C	123-91-1	1,4-Dioxane	UJ
SB13_0-1.5	SW8260C	591-78-6	2-Hexanone	UJ
SB13_0-1.5	SW8260C	74-97-5	Bromochloromethane	UJ
SB13_0-1.5	SW8260C	74-83-9	Bromomethane	UJ
SB13_0-1.5	SW8260C	75-15-0	Carbon Disulfide	UJ
SB13_0-1.5	SW8260C	75-00-3	Chloroethane	UJ
SB13_0-1.5	SW8260C	60-29-7	Ethyl ether	UJ
SB13_0-1.5	SW8260C	110-57-6	Trans-1,4-Dichloro-2-Butene	UJ
SB13_0-1.5	SW8260C	75-69-4	Trichlorofluoromethane	UJ
SB13_0-1.5	SW8270D	123-91-1	1,4-Dioxane	UJ
SB13_0-1.5	SW8270D	51-28-5	2,4-Dinitrophenol	UJ

# Technical Memorandum

Data Usability Summary Report  
 For 266-270 W 96th Street  
 October and November 2020 Soil Samples  
 Langan Project No.: 170432001  
 January 18, 2021 Page 12 of 36

<i>Client Sample ID</i>	<i>Analysis</i>	<i>CAS #</i>	<i>Analyte</i>	<i>Validator Qualifier</i>
SB13_0-1.5	SW8270D	91-94-1	3,3'-Dichlorobenzidine	UJ
SB13_0-1.5	SW8270D	100-02-7	4-Nitrophenol	UJ
SB13_0-1.5	SW8270D	77-47-4	Hexachlorocyclopentadiene	UJ
SB13_4-6	E537M	307-24-4	Perfluorohexanoic Acid	J
SB13_4-6	E537M	335-67-1	Perfluorooctanoic Acid	J
SB13_4-6	SW8260C	123-91-1	1,4-Dioxane	UJ
SB13_4-6	SW8260C	591-78-6	2-Hexanone	UJ
SB13_4-6	SW8260C	74-97-5	Bromochloromethane	UJ
SB13_4-6	SW8260C	74-83-9	Bromomethane	UJ
SB13_4-6	SW8260C	75-15-0	Carbon Disulfide	UJ
SB13_4-6	SW8260C	75-00-3	Chloroethane	UJ
SB13_4-6	SW8260C	60-29-7	Ethyl ether	UJ
SB13_4-6	SW8260C	110-57-6	Trans-1,4-Dichloro-2-Butene	UJ
SB13_4-6	SW8260C	75-69-4	Trichlorofluoromethane	UJ
SB13_4-6	SW8270D	123-91-1	1,4-Dioxane	UJ
SB13_4-6	SW8270D	51-28-5	2,4-Dinitrophenol	UJ
SB13_4-6	SW8270D	91-94-1	3,3'-Dichlorobenzidine	UJ
SB13_4-6	SW8270D	100-02-7	4-Nitrophenol	UJ
SB13_4-6	SW8270D	77-47-4	Hexachlorocyclopentadiene	UJ
SB13_7.5-9	E537M	1763-23-1	Perfluorooctanesulfonic Acid	J
SB13_7.5-9	E537M	335-67-1	Perfluorooctanoic Acid	J
SB13_7.5-9	SW8260C	123-91-1	1,4-Dioxane	UJ
SB13_7.5-9	SW8260C	591-78-6	2-Hexanone	UJ
SB13_7.5-9	SW8260C	74-97-5	Bromochloromethane	UJ
SB13_7.5-9	SW8260C	74-83-9	Bromomethane	UJ
SB13_7.5-9	SW8260C	75-15-0	Carbon Disulfide	UJ
SB13_7.5-9	SW8260C	75-00-3	Chloroethane	UJ
SB13_7.5-9	SW8260C	60-29-7	Ethyl ether	UJ
SB13_7.5-9	SW8260C	110-57-6	Trans-1,4-Dichloro-2-Butene	UJ
SB13_7.5-9	SW8260C	75-69-4	Trichlorofluoromethane	UJ
SB13_7.5-9	SW8270D	123-91-1	1,4-Dioxane	UJ
SB13_7.5-9	SW8270D	51-28-5	2,4-Dinitrophenol	UJ

# Technical Memorandum

Data Usability Summary Report  
 For 266-270 W 96th Street  
 October and November 2020 Soil Samples  
 Langan Project No.: 170432001  
 January 18, 2021 Page 13 of 36

<i>Client Sample ID</i>	<i>Analysis</i>	<i>CAS #</i>	<i>Analyte</i>	<i>Validator Qualifier</i>
SB13_7.5-9	SW8270D	91-94-1	3,3'-Dichlorobenzidine	UJ
SB13_7.5-9	SW8270D	100-02-7	4-Nitrophenol	UJ
SB13_7.5-9	SW8270D	77-47-4	Hexachlorocyclopentadiene	UJ
SBDUP01_11022020	E537M	307-24-4	Perfluorohexanoic Acid	J
SBDUP01_11022020	E537M	1763-23-1	Perfluorooctanesulfonic Acid	J
SBDUP01_11022020	E537M	335-67-1	Perfluorooctanoic Acid	J
SBDUP01_11022020	SW8260C	123-91-1	1,4-Dioxane	UJ
SBDUP01_11022020	SW8260C	591-78-6	2-Hexanone	UJ
SBDUP01_11022020	SW8260C	74-97-5	Bromochloromethane	UJ
SBDUP01_11022020	SW8260C	74-83-9	Bromomethane	UJ
SBDUP01_11022020	SW8260C	75-15-0	Carbon Disulfide	UJ
SBDUP01_11022020	SW8260C	75-00-3	Chloroethane	UJ
SBDUP01_11022020	SW8260C	60-29-7	Ethyl ether	UJ
SBDUP01_11022020	SW8260C	110-57-6	Trans-1,4-Dichloro-2-Butene	UJ
SBDUP01_11022020	SW8260C	75-69-4	Trichlorofluoromethane	UJ
SBDUP01_11022020	SW8270D	123-91-1	1,4-Dioxane	UJ
SBDUP01_11022020	SW8270D	51-28-5	2,4-Dinitrophenol	UJ
SBDUP01_11022020	SW8270D	91-94-1	3,3'-Dichlorobenzidine	UJ
SBDUP01_11022020	SW8270D	100-02-7	4-Nitrophenol	UJ
SBDUP01_11022020	SW8270D	77-47-4	Hexachlorocyclopentadiene	UJ
SB18_0-1.5	SW8270D	95-94-3	1,2,4,5-Tetrachlorobenzene	UJ
SB18_0-1.5	SW8270D	118-74-1	Hexachlorobenzene	UJ
SB18_7-8	SW8270D	121-14-2	2,4-Dinitrotoluene	UJ
SB18_8-9	SW8270D	95-94-3	1,2,4,5-Tetrachlorobenzene	UJ
SB18_8-9	SW8270D	118-74-1	Hexachlorobenzene	UJ
SB19_4-5	SW8270D	95-94-3	1,2,4,5-Tetrachlorobenzene	UJ
SB19_4-5	SW8270D	95-94-3	1,2,4,5-Tetrachlorobenzene	UJ
SB19_4-5	SW8270D	95-95-4	2,4,5-Trichlorophenol	UJ
SB19_4-5	SW8270D	88-06-2	2,4,6-Trichlorophenol	UJ
SB19_4-5	SW8270D	120-83-2	2,4-Dichlorophenol	UJ
SB19_4-5	SW8270D	105-67-9	2,4-Dimethylphenol	UJ
SB19_4-5	SW8270D	51-28-5	2,4-Dinitrophenol	UJ

# Technical Memorandum

Data Usability Summary Report  
 For 266-270 W 96th Street  
 October and November 2020 Soil Samples  
 Langan Project No.: 170432001  
 January 18, 2021 Page 14 of 36

<i>Client Sample ID</i>	<i>Analysis</i>	<i>CAS #</i>	<i>Analyte</i>	<i>Validator Qualifier</i>
SB19_4-5	SW8270D	95-57-8	2-Chlorophenol	UJ
SB19_4-5	SW8270D	95-48-7	2-Methylphenol	UJ
SB19_4-5	SW8270D	88-75-5	2-Nitrophenol	UJ
SB19_4-5	SW8270D	65794-96-9	3 & 4 Methylphenol	UJ
SB19_4-5	SW8270D	534-52-1	4,6-Dinitro-2-Methylphenol	UJ
SB19_4-5	SW8270D	59-50-7	4-Chloro-3-Methylphenol	UJ
SB19_4-5	SW8270D	100-02-7	4-Nitrophenol	UJ
SB19_4-5	SW8270D	118-74-1	Hexachlorobenzene	UJ
SB19_4-5	SW8270D	118-74-1	Hexachlorobenzene	UJ
SB19_4-5	SW8270D	87-86-5	Pentachlorophenol	UJ
SB19_4-5	SW8270D	108-95-2	Phenol	UJ
SB19_5-6	SW8270D	121-14-2	2,4-Dinitrotoluene	UJ
SB19_7-8	SW8270D	95-94-3	1,2,4,5-Tetrachlorobenzene	UJ
SB19_7-8	SW8270D	118-74-1	Hexachlorobenzene	UJ
SB20_1.5-2.5	SW8270D	95-94-3	1,2,4,5-Tetrachlorobenzene	UJ
SB20_1.5-2.5	SW8270D	118-74-1	Hexachlorobenzene	UJ
SB20_2.5-5	SW8270D	121-14-2	2,4-Dinitrotoluene	UJ
SB21_1-2	SW8270D	95-94-3	1,2,4,5-Tetrachlorobenzene	UJ
SB21_1-2	SW8270D	118-74-1	Hexachlorobenzene	UJ
SB21_4.5-5.5	SW8270D	121-14-2	2,4-Dinitrotoluene	UJ
SB11_0-2	E537M	2991-50-6	N-ethyl perfluorooctane-sulfonamidoacetic Acid	UJ
SB11_0-2	E537M	2355-31-9	N-methyl perfluorooctane-sulfonamidoacetic Acid	UJ
SB11_0-2	SW7196A	18540-29-9	Chromium, Hexavalent	U (0.907)
SB11_0-2	SW8260C	123-91-1	1,4-Dioxane	UJ
SB11_0-2	SW8260C	75-15-0	Carbon Disulfide	UJ
SB11_0-2	SW8260C	75-01-4	Vinyl Chloride	UJ
SB11_0-2	SW8270D	108-95-2	Phenol	UJ
SB11_0-2	SW9012B	57-12-5	Cyanide	UJ
SB11_4-5	SW8260C	123-91-1	1,4-Dioxane	UJ
SB11_4-5	SW8260C	75-15-0	Carbon Disulfide	UJ
SB11_4-5	SW8260C	74-87-3	Chloromethane	UJ



# Technical Memorandum

Data Usability Summary Report  
 For 266-270 W 96th Street  
 October and November 2020 Soil Samples  
 Langan Project No.: 170432001  
 January 18, 2021 Page 15 of 36

<i>Client Sample ID</i>	<i>Analysis</i>	<i>CAS #</i>	<i>Analyte</i>	<i>Validator Qualifier</i>
SB11_4-5	SW8260C	75-01-4	Vinyl Chloride	UJ
SB11_4-5	SW8270D	108-95-2	Phenol	UJ
SB11_4-5	SW9012B	57-12-5	Cyanide	UJ
SB11_5-6	E537M	2991-50-6	N-ethyl perfluorooctane-sulfonamidoacetic Acid	UJ
SB11_5-6	E537M	2355-31-9	N-methyl perfluorooctane-sulfonamidoacetic Acid	UJ
SB11_5-6	E537M	335-67-1	Perfluorooctanoic Acid	J
SB11_5-6	E537M	376-06-7	Perfluorotetradecanoic Acid	J
SB11_5-6	SW8260C	123-91-1	1,4-Dioxane	UJ
SB11_5-6	SW8260C	591-78-6	2-Hexanone	UJ
SB11_5-6	SW8260C	74-83-9	Bromomethane	UJ
SB11_5-6	SW8260C	75-15-0	Carbon Disulfide	UJ
SB11_5-6	SW8260C	75-00-3	Chloroethane	UJ
SB11_5-6	SW8260C	60-29-7	Ethyl ether	UJ
SB11_5-6	SW8260C	75-69-4	Trichlorofluoromethane	UJ
SB11_5-6	SW8270D	108-95-2	Phenol	UJ
SB11_5-6	SW9012B	57-12-5	Cyanide	UJ
SB10_0-2	E537M	2355-31-9	N-methyl perfluorooctane-sulfonamidoacetic Acid	UJ
SB10_0-2	SW8260C	123-91-1	1,4-Dioxane	UJ
SB10_0-2	SW8260C	591-78-6	2-Hexanone	UJ
SB10_0-2	SW8260C	74-83-9	Bromomethane	UJ
SB10_0-2	SW8260C	75-15-0	Carbon Disulfide	UJ
SB10_0-2	SW8260C	75-00-3	Chloroethane	UJ
SB10_0-2	SW8260C	60-29-7	Ethyl ether	UJ
SB10_0-2	SW8260C	75-69-4	Trichlorofluoromethane	UJ
SB10_0-2	SW8270D	108-95-2	Phenol	UJ
SB10_0-2	SW9012B	57-12-5	Cyanide	UJ
SB10_3.5-5	E537M	2991-50-6	N-ethyl perfluorooctane-sulfonamidoacetic Acid	UJ
SB10_3.5-5	E537M	2355-31-9	N-methyl perfluorooctane-sulfonamidoacetic Acid	UJ
SB10_3.5-5	SW6010D	7440-70-2	Calcium	J

# Technical Memorandum

Data Usability Summary Report  
 For 266-270 W 96th Street  
 October and November 2020 Soil Samples  
 Langan Project No.: 170432001  
 January 18, 2021 Page 16 of 36

<i>Client Sample ID</i>	<i>Analysis</i>	<i>CAS #</i>	<i>Analyte</i>	<i>Validator Qualifier</i>
SB10_3.5-5	SW6010D	7439-92-1	Lead	J
SB10_3.5-5	SW8260C	123-91-1	1,4-Dioxane	UJ
SB10_3.5-5	SW8260C	591-78-6	2-Hexanone	UJ
SB10_3.5-5	SW8260C	74-83-9	Bromomethane	UJ
SB10_3.5-5	SW8260C	75-15-0	Carbon Disulfide	UJ
SB10_3.5-5	SW8260C	75-00-3	Chloroethane	UJ
SB10_3.5-5	SW8260C	60-29-7	Ethyl ether	UJ
SB10_3.5-5	SW8260C	75-69-4	Trichlorofluoromethane	UJ
SB10_3.5-5	SW8270D	108-95-2	Phenol	UJ
SB10_3.5-5	SW9012B	57-12-5	Cyanide	UJ
SB09_0-2	E537M	2991-50-6	N-ethyl perfluorooctane-sulfonamidoacetic Acid	UJ
SB09_0-2	E537M	2355-31-9	N-methyl perfluorooctane-sulfonamidoacetic Acid	UJ
SB09_0-2	E537M	307-24-4	Perfluorohexanoic Acid	J
SB09_0-2	E537M	1763-23-1	Perfluorooctanesulfonic Acid	J
SB09_0-2	E537M	335-67-1	Perfluorooctanoic Acid	J
SB09_0-2	E537M	2058-94-8	Perfluoroundecanoic Acid	UJ
SB09_0-2	SW8082A	12674-11-2	PCB-1016 (Aroclor 1016)	UJ
SB09_0-2	SW8082A	37324-23-5	PCB-1262 (Aroclor 1262)	UJ
SB09_0-2	SW8260C	123-91-1	1,4-Dioxane	UJ
SB09_0-2	SW8260C	75-15-0	Carbon Disulfide	UJ
SB09_0-2	SW8260C	74-87-3	Chloromethane	UJ
SB09_0-2	SW8260C	75-01-4	Vinyl Chloride	UJ
SB09_0-2	SW8270D	108-95-2	Phenol	UJ
SB09_0-2	SW9012B	57-12-5	Cyanide	UJ
SB09_4-6	E537M	2355-31-9	N-methyl perfluorooctane-sulfonamidoacetic Acid	UJ
SB09_4-6	E537M	1763-23-1	Perfluorooctanesulfonic Acid	J
SB09_4-6	E537M	335-67-1	Perfluorooctanoic Acid	J
SB09_4-6	SW8260C	123-91-1	1,4-Dioxane	UJ
SB09_4-6	SW8260C	75-15-0	Carbon Disulfide	UJ
SB09_4-6	SW8260C	74-87-3	Chloromethane	UJ

# Technical Memorandum

Data Usability Summary Report  
 For 266-270 W 96th Street  
 October and November 2020 Soil Samples  
 Langan Project No.: 170432001  
 January 18, 2021 Page 17 of 36

<i>Client Sample ID</i>	<i>Analysis</i>	<i>CAS #</i>	<i>Analyte</i>	<i>Validator Qualifier</i>
SB09_4-6	SW8260C	75-01-4	Vinyl Chloride	UJ
SB09_4-6	SW8270D	108-95-2	Phenol	UJ
SB09_4-6	SW9012B	57-12-5	Cyanide	UJ
DUP02_11192020	E537M	2991-50-6	N-ethyl perfluorooctane-sulfonamidoacetic Acid	UJ
DUP02_11192020	E537M	2355-31-9	N-methyl perfluorooctane-sulfonamidoacetic Acid	UJ
DUP02_11192020	E537M	355-46-4	Perfluorohexanesulfonic Acid	J
DUP02_11192020	E537M	1763-23-1	Perfluorooctanesulfonic Acid	J
DUP02_11192020	E537M	335-67-1	Perfluorooctanoic Acid	J
DUP02_11192020	SW8260C	123-91-1	1,4-Dioxane	UJ
DUP02_11192020	SW8260C	75-15-0	Carbon Disulfide	UJ
DUP02_11192020	SW8260C	74-87-3	Chloromethane	UJ
DUP02_11192020	SW8260C	75-01-4	Vinyl Chloride	UJ
DUP02_11192020	SW8270D	108-95-2	Phenol	UJ
DUP02_11192020	SW9012B	57-12-5	Cyanide	UJ
SB23_0-2	E537M	307-24-4	Perfluorohexanoic Acid	J
SB23_0-2	E537M	376-06-7	Perfluorotetradecanoic Acid	UJ
SB23_0-2	E537M	39108-34-4	Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2)	UJ
SB23_0-2	SW8270D	65-85-0	Benzoic Acid	UJ
SB23_0-2	SW9012B	57-12-5	Cyanide	UJ
SB23_5-6	E537M	335-67-1	Perfluorooctanoic Acid	J
SB23_5-6	E537M	376-06-7	Perfluorotetradecanoic Acid	UJ
SB23_5-6	E537M	2058-94-8	Perfluoroundecanoic Acid	J
SB23_5-6	E537M	39108-34-4	Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2)	UJ
SB23_5-6	SW8270D	65-85-0	Benzoic Acid	UJ
SB23_5-6	SW9012B	57-12-5	Cyanide	UJ
SB14_0-2	E537M	376-06-7	Perfluorotetradecanoic Acid	UJ
SB14_0-2	E537M	39108-34-4	Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2)	UJ
SB14_0-2	E537M	27619-97-2	Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2)	UJ
SB14_0-2	SW8260C	107-06-2	1,2-Dichloroethane	UJ

# Technical Memorandum

Data Usability Summary Report  
 For 266-270 W 96th Street  
 October and November 2020 Soil Samples  
 Langan Project No.: 170432001  
 January 18, 2021 Page 18 of 36

<i>Client Sample ID</i>	<i>Analysis</i>	<i>CAS #</i>	<i>Analyte</i>	<i>Validator Qualifier</i>
SB14_0-2	SW8260C	123-91-1	1,4-Dioxane	UJ
SB14_0-2	SW8260C	75-15-0	Carbon Disulfide	UJ
SB14_0-2	SW8260C	75-01-4	Vinyl Chloride	UJ
SB14_0-2	SW8270D	65-85-0	Benzoic Acid	UJ
SB14_5-6	E537M	376-06-7	Perfluorotetradecanoic Acid	UJ
SB14_5-6	E537M	39108-34-4	Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2)	UJ
SB14_5-6	E537M	27619-97-2	Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2)	UJ
SB14_5-6	SW8081B	5103-74-2	Gamma Chlordane	J
SB14_5-6	SW8260C	107-06-2	1,2-Dichloroethane	UJ
SB14_5-6	SW8260C	123-91-1	1,4-Dioxane	UJ
SB14_5-6	SW8260C	75-15-0	Carbon Disulfide	UJ
SB14_5-6	SW8260C	75-01-4	Vinyl Chloride	UJ
SB14_5-6	SW8270D	108-60-1	Bis(2-chloroisopropyl) ether	UJ
SB14_5-6	SW8270D	108-95-2	Phenol	UJ
SB14_6-7	E537M	376-06-7	Perfluorotetradecanoic Acid	UJ
SB14_6-7	E537M	39108-34-4	Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2)	UJ
SB14_6-7	E537M	27619-97-2	Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2)	UJ
SB14_6-7	SW8081B	5103-74-2	Gamma Chlordane	J
SB14_6-7	SW8260C	107-06-2	1,2-Dichloroethane	UJ
SB14_6-7	SW8260C	123-91-1	1,4-Dioxane	UJ
SB14_6-7	SW8260C	75-15-0	Carbon Disulfide	UJ
SB14_6-7	SW8260C	75-01-4	Vinyl Chloride	UJ
SB14_6-7	SW8270D	108-60-1	Bis(2-chloroisopropyl) ether	UJ
SB14_6-7	SW8270D	108-95-2	Phenol	UJ
SB23_0-2	SW8260C	107-06-2	1,2-Dichloroethane	UJ
SB23_0-2	SW8260C	123-91-1	1,4-Dioxane	UJ
SB23_0-2	SW8260C	75-15-0	Carbon Disulfide	UJ
SB23_0-2	SW8260C	74-87-3	Chloromethane	UJ
SB23_0-2	SW8260C	75-01-4	Vinyl Chloride	UJ
SB23_5-6	SW8260C	107-06-2	1,2-Dichloroethane	UJ

# Technical Memorandum

Data Usability Summary Report  
For 266-270 W 96th Street  
October and November 2020 Soil Samples  
Langan Project No.: 170432001  
January 18, 2021 Page 19 of 36

<i>Client Sample ID</i>	<i>Analysis</i>	<i>CAS #</i>	<i>Analyte</i>	<i>Validator Qualifier</i>
SB23_5-6	SW8260C	123-91-1	1,4-Dioxane	UJ
SB23_5-6	SW8260C	75-15-0	Carbon Disulfide	UJ
SB23_5-6	SW8260C	74-87-3	Chloromethane	UJ
SB23_5-6	SW8260C	75-01-4	Vinyl Chloride	UJ

## MAJOR DEFICIENCIES:

Major deficiencies include those that grossly impact data quality and necessitate the rejection of results. No major deficiencies were identified for this data set.

## MINOR DEFICIENCIES:

Minor deficiencies include anomalies that directly impact data quality and necessitate qualification, but do not result in unusable data. The section below describes the minor deficiencies that were identified.

### VOCs by SW-846 Method 8260C

#### L2047390

The initial calibration (ICAL) for instrument CHARLIE exhibited a response factor (RF) below the control limit for 1,4-dioxane (0.003). The associated results in samples SB-15\_0-2, SB-15\_2.5-4.5, and SB-17\_0-2 are qualified as "UJ" based on potential indeterminate bias.

The initial calibration verification (ICV) analyzed on 10/20/2020 at 05:06 exhibited percent differences (%Ds) above the control limit for chloromethane (-33%), vinyl chloride (-35.7%), chloroethane (-29.5%), and carbon disulfide (-59.1%). The associated results in samples SB-15\_0-2, SB-15\_2.5-4.5, and SB-17\_0-2 are qualified as "UJ" based on potential indeterminate bias.

The ICV analyzed on 10/20/2020 at 05:06 exhibited an RF below the control limit for 1,4-dioxane (0.00293). The associated results in samples SB-15\_0-2, SB-15\_2.5-4.5, and SB-17\_0-2 are qualified as "UJ" based on potential indeterminate bias.

The continuing calibration verification (CCV) analyzed on 11/2/2020 07:23 exhibited %Ds above the control limit for chloroethane (-42%) and trichlorofluoromethane (36%). The associated results in samples SB-15\_0-2, SB-15\_2.5-4.5, and SB-17\_0-2 are qualified as "UJ" based on potential indeterminate bias.

# Technical Memorandum

The CCV analyzed on 11/2/2020 07:23 exhibited an RF below the control limit for 1,4-dioxane (0.00292). The associated results in samples SB-15\_0-2, SB-15\_2.5-4.5, and SB-17\_0-2 are qualified as "UJ" based on potential indeterminate bias.

The laboratory control sample and laboratory control sample duplicate (LCS/LCSD) for batch WG1429273 exhibited percent recoveries below the lower control limit (LCL) for trichlorofluoromethane (64%, 53%). The associated results in samples SB-15\_0-2, SB-15\_2.5-4.5, and SB-17\_0-2 are qualified as "UJ" based on potential low bias.

## L2047744

The ICAL for instrument VOA111 exhibited RFs below the control limits for trichloroethene (0.177) and acrylonitrile (0.047). The associated results in samples SB16\_0-2 and SB16\_2-4.5 are qualified as "UJ" based on potential indeterminate bias.

The ICV analyzed on 10/28/2020 at 23:51 exhibited a %D above the control limit for carbon disulfide (-30.7%). The associated results in samples SB16\_0-2 and SB16\_2-4.5 are qualified as "UJ" based on potential indeterminate bias.

The ICV analyzed on 10/28/2020 at 23:51 exhibited an RF below the control limit for trichloroethene (0.191). The associated results in samples SB16\_0-2 and SB16\_2-4.5 are qualified as "UJ" based on potential indeterminate bias.

The CCV analyzed on 11/3/2020 at 16:52 exhibited a %D above the control limit for trichloroethene (-23.1%). The associated results in samples SB16\_0-2 and SB16\_2-4.5 are qualified as "UJ" based on potential indeterminate bias.

The sample SB16\_2-4.5 exhibited a percent recovery above the UCL for the internal standard fluorobenzene (48.9%). The associated results are qualified as "J" or "UJ" based on potential low bias.

## L2047884

The ICV analyzed on 10/13/2020 at 21:54 exhibited %Ds above the control limit for bromomethane (-60.9%) and carbon disulfide (-41.9%). The associated results in samples SB12\_0-1, SB12\_3.5-5, SB12\_11-12.5, SB13\_0-1.5, SB13\_4-6, SB13\_7.5-9, and SBDUP01\_11022020 are qualified as "UJ" based on potential indeterminate bias.

The CCV analyzed on 10/13/2020 at 21:54 exhibited an RF below the control limit for 1,4-dioxane (0.00155). The associated results in samples SB12\_0-1, SB12\_3.5-5, SB12\_11-12.5, SB13\_0-1.5,

# Technical Memorandum

SB13\_4-6, SB13\_7.5-9, and SBDUP01\_11022020 are qualified as "UJ" based on potential indeterminate bias.

The CCV analyzed on 11/4/2020 at 18:15 exhibited %Ds above the control limits for bromomethane (-119.2%), chloroethane (-49%), trichlorofluoromethane (-42.7%), ethyl ether (-44.6%), bromochloromethane (-25.3%), and trans-1,4-dichloro-2-butene (20.8%). The associated results in samples SB12\_0-1, SB12\_3.5-5, SB12\_11-12.5, SB13\_0-1.5, SB13\_4-6, SB13\_7.5-9, and SBDUP01\_11022020 are qualified as "UJ" based on potential indeterminate bias.

The CCV analyzed on 11/4/2020 at 18:15 exhibited an RF below the control limit for 1,4-dioxane (0.00155). The associated results in samples SB12\_0-1, SB12\_3.5-5, SB12\_11-12.5, SB13\_0-1.5, SB13\_4-6, SB13\_7.5-9, and SBDUP01\_11022020 are qualified as "UJ" based on potential indeterminate bias.

The LCS/LCSD for batch WG1430543 exhibited a percent recovery below the LCL for 2-hexanone (67%, 66%). The associated results in samples SB12\_0-1, SB12\_3.5-5, SB12\_11-12.5, SB13\_0-1.5, SB13\_4-6, SB13\_7.5-9, and SBDUP01\_11022020 are qualified as "UJ" based on potential low bias.

## L2051747

The ICAL for instrument VOA117 exhibited an RF below the control limit for 1,4-dioxane (0.001). The associated results in samples SB11\_5-6, SB10\_0-2, and SB10\_3.5-5 are qualified as "UJ" based on potential indeterminate bias.

The ICV analyzed on 10/13/2020 at 21:54 exhibited %Ds above the control limit for bromomethane (-60.9%) and carbon disulfide (-41.9%). The associated results in samples SB11\_5-6, SB10\_0-2, and SB10\_3.5-5 are qualified as "UJ" based on potential indeterminate bias.

The ICV analyzed on 10/13/2020 at 21:54 exhibited an RF below the control limit for 1,4-dioxane (0.00155). The associated results in samples SB11\_5-6, SB10\_0-2, and SB10\_3.5-5 are qualified as "UJ" based on potential indeterminate bias.

The CCV analyzed on 11/23/2020 at 16:21 exhibited %Ds above the control limit for chloroethane (25.9%), trichlorofluoromethane (37.5%), and ethyl ether (32.5%). The associated results in samples SB11\_5-6, SB10\_0-2, and SB10\_3.5-5 are qualified as "UJ" based on potential indeterminate bias.

# Technical Memorandum

The CCV analyzed on 11/23/2020 at 16:21 exhibited an RF below the control limit for 1,4-dioxane (0.00131). The associated results in samples SB11\_5-6, SB10\_0-2, and SB10\_3.5-5 are qualified as "UJ" based on potential indeterminate bias.

The ICAL for instrument VOA123 exhibited an RF below the control limit for 1,4-dioxane (0.003). The associated results in samples SB11\_0-2, SB11\_4-5, SB09\_0-2, SB09\_4-6, and DUP02\_11192020 are qualified as "UJ" based on potential indeterminate bias.

The ICV analyzed on 10/20/2020 at 05:52 exhibited %Ds above the control limit for vinyl chloride (-30%) and carbon disulfide (-54.7%). The associated results in samples SB11\_0-2, SB11\_4-5, SB09\_0-2, SB09\_4-6, and DUP02\_11192020 are qualified as "UJ" based on potential indeterminate bias.

The ICV analyzed on 10/20/2020 at 05:52 exhibited an RF below the control limit for 1,4-dioxane (0.0028). The associated results in samples SB11\_0-2, SB11\_4-5, SB09\_0-2, SB09\_4-6, and DUP02\_11192020 are qualified as "UJ" based on potential indeterminate bias.

The CCV analyzed on 11/24/2020 at 06:20 exhibited %Ds above the control limit for chloromethane (-31.2%) and vinyl chloride (-26.7%). The associated results in samples SB11\_4-5, SB09\_0-2, SB09\_4-6, and DUP02\_11192020 are qualified as "UJ" based on potential indeterminate bias.

The CCV analyzed on 11/24/2020 at 06:20 exhibited an RF below the control limit for 1,4-dioxane (0.00279). The associated results in samples SB11\_4-5, SB09\_0-2, SB09\_4-6, and DUP02\_11192020 are qualified as "UJ" based on potential indeterminate bias.

The CCV analyzed on 11/24/2020 at 17:45 exhibited a %D above the control limit for 1,4-dioxane (-33.3%) and an RF below the control limit for 1,4-dioxane (0.00372). The associated results in samples SB11\_0-2 are qualified as "UJ" based on potential indeterminate bias.

The LCS/LCSD for batch WG1438002-3/4 exhibited percent recoveries below the LCL for trichlorofluoromethane (62%, 64%) and 2-hexanone (68%, 69%). The associated results in samples SB11\_5-6, SB10\_0-2, and SB10\_3.5-5 are qualified as "UJ" based on potential low bias.

## L2051958

The ICAL for instrument VOA123 exhibited an RF below the control limit for 1,4-dioxane (0.003). The associated results in samples SB14\_0-2, SB14\_5-6, SB14\_6-7, SB23\_0-2, and SB23\_5-6 are qualified as "UJ" based on potential indeterminate bias.



# Technical Memorandum

Data Usability Summary Report  
For 266-270 W 96th Street  
October and November 2020 Soil Samples  
Langan Project No.: 170432001  
January 18, 2021 Page 23 of 36

---

The CCV analyzed on 10/20/2020 at 05:52 exhibited %Ds above the control limit for vinyl chloride (-30%) and carbon disulfide (-54.7%). The associated results in samples SB14\_0-2, SB14\_5-6, SB14\_6-7, SB233\_0-2, and SB23\_5-6 are qualified as "UJ" based on potential indeterminate bias.

The ICV analyzed on 10/20/2020 at 05:52 exhibited an RF below the control limit for 1,4-dioxane (0.0028). The associated results in samples SB14\_0-2, SB14\_5-6, SB14\_6-7, SB233\_0-2, and SB23\_5-6 are qualified as "UJ" based on potential indeterminate bias.

The CCV analyzed on 11/27/2020 at 07:47 exhibited a %D above the control limit for 1,2-dichloroethane (22.2%). The associated results in samples SB14\_0-2, SB14\_5-6, and SB14\_6-7 are qualified as "UJ" based on potential indeterminate bias.

The CCV analyzed on 11/27/2020 at 07:47 exhibited an RF below the control limit for 1,4-dioxane (0.00331). The associated results in samples SB14\_0-2, SB14\_5-6, and SB14\_6-7 are qualified as "UJ" based on potential indeterminate bias.

The CCV analyzed on 11/30/2020 at 05:21 exhibited %Ds above the control limit for chloromethane (-37.2%) and vinyl chloride (-31%). The associated results in samples SB23\_0-2 and SB233\_5-6 are qualified as "UJ" based on potential indeterminate bias.

The CCV analyzed on 11/30/2020 at 05:21 exhibited an RF below the control limit for 1,4-dioxane (0.00287). The associated results in samples SB23\_0-2 and SB233\_5-6 are qualified as "UJ" based on potential indeterminate bias.

## **SVOCs by SW-846 Method 8270D**

### L2047390

The CCV analyzed on 11/1/2020 at 23:11 exhibited %Ds above the control limit for hexachlorocyclopentadiene (23.7%) and 3,3'-dimethylbenzidine (-37.2%). The associated results in samples SB-15\_0-2, SB-15\_2.5-4.5, and SB-17\_0-2 are qualified as "UJ" based on potential indeterminate bias.

### L2047744

The CCV analyzed on 11/2/2020 at 08:48 exhibited a %D above the control limit for 1,4-dioxane (20.2%). The associated results in samples SB16\_0-2 and SB16\_2-4.5 are qualified as "UJ" based on potential indeterminate bias.

# Technical Memorandum

Data Usability Summary Report  
For 266-270 W 96th Street  
October and November 2020 Soil Samples  
Langan Project No.: 170432001  
January 18, 2021 Page 24 of 36

---

## L2047884

The ICV analyzed on 4/2/2020 at 11:51 exhibited a %D above the control limit for 2,4-dinitrophenol (21.9%). The associated results in samples SB12\_0-1, SB12\_3.5-5, SB12\_11-12.5, SB13\_0-1.5, SB13\_4-6, SB13\_7.5-9, and SBDUP01\_11022020 are qualified as "UJ" based on potential indeterminate bias.

The CCV analyzed on 11/4/2020 at 00:58 exhibited %Ds above the control limit for hexachlorocyclopentadiene (25%), 4-nitrophenol (23.3%), and 3,3'-dimethylbenzidine (-24.6%). The associated results in samples SB12\_0-1, SB12\_3.5-5, SB12\_11-12.5, SB13\_0-1.5, SB13\_4-6, SB13\_7.5-9, and SBDUP01\_11022020 are qualified as "UJ" based on potential indeterminate bias.

The LCS/LCSD for batch WG1429745 exhibited a percent recovery below the LCL for 1,4-dioxane (40%, 38%). The associated results in samples SB12\_0-1, SB12\_3.5-5, SB12\_11-12.5, SB13\_0-1.5, SB13\_4-6, SB13\_7.5-9, and SBDUP01\_11022020 are qualified as "UJ" based on potential low bias.

## L2048123

The CCV analyzed on 11/5/2020 at 21:56 exhibited %Ds above the control limit for hexachlorobenzene (-25%) and 1,2,4,5-tetrachlorobenzene (-22.6%). The associated results in samples SB18\_0-1.5, SB18\_8-9, SB19\_4-5, SB19\_7-8, SB20\_1.5-2.5, and SB21\_1-2 are qualified as "UJ" based on potential indeterminate bias.

The CCV analyzed on 11/9/2020 at 08:24 exhibited a %D above the control limit for 2,4-dinitrotoluene (-24.2%). The associated results in samples SB18\_7-8, SB19\_5-6, SB20\_2.5-5, and SB21\_4.5-5.5 are qualified as "UJ" based on potential indeterminate bias.

Sample SB19\_4-5 exhibited percent recoveries below the LCL for the surrogates 2-fluorophenol (4%) and 2,4,6-tribromophenol (2%). The associated results are qualified as "UJ" based on potential low bias.

## L2051747

The CCV analyzed on 11/22/2020 at 20:52 exhibited a %D above the control limit for phenol (24%). The associated results in samples SB11\_0-2, SB11\_4-5, SB11\_5-6, SB10\_0-2, SB10\_3.5-5, SB09\_0-2, SB09\_4-6, and DUP02\_11192020 are qualified as "UJ" based on potential indeterminate bias.

# Technical Memorandum

Data Usability Summary Report  
For 266-270 W 96th Street  
October and November 2020 Soil Samples  
Langan Project No.: 170432001  
January 18, 2021 Page 25 of 36

---

## L2051957

The LCS/LCSD for batch WG1440317 a RPD above the control limit for benzoic acid (56%). The associated results in samples SB23\_0-2 and SB23\_5-6 are qualified as "UJ" based on potential indeterminate bias.

## L2051958

The CCV analyzed on 11/25/2020 at 06:30 exhibited a %D above the control limit for benzoic acid (23.2%). The associated result in sample SB14\_0-2 are qualified as "UJ" based on potential indeterminate bias.

The CCV analyzed on 11/24/2020 at 02:01 exhibited %Ds above the control limit for phenol (26.6%) and bis(2-chloroisopropyl)ether (23.7%). The associated results in samples SB14\_5-6 and SB14\_6-7 are qualified as "UJ" based on potential indeterminate bias.

## **PFAS by USEPA Method 537M**

### L2037390

Sample SB15\_2.5-4.5 exhibited a percent recovery below the LCL for the surrogate d3- N-methyl-perfluorooctane sulfonamidoacetic acid (d3-NMeFOSAA) (43%). The associated result is qualified as "UJ" based on potential low bias.

The ratio of the quantifier ion response to qualifier ion response was outside of criteria for perfluorooctanesulfonic acid (PFOS) and perfluorooctanoic acid (PFOA) results for sample SB\_15\_0-2, for perfluorohexanoic acid (PFHxA), PFOS, and PFOA results for sample SB\_15\_2.5-4.5, and for PFOS and PFOA for sample SB\_17\_0-2. Results were qualified "J" based on potential indeterminate bias.

### L2047744

Sample SB16\_2-4.5 exhibited a percent recovery below the LCL for the surrogate d3-NMeFOSAA (38%). The associated results are qualified as "UJ" based on potential low bias.

The ratio of the quantifier ion response to qualifier ion response was outside of criteria for the PFOA results for samples SB\_16\_0-2 and SB16\_2-4.5. Results were qualified "J" based on potential indeterminate bias.

# Technical Memorandum

## L2047884

Sample SB12\_3.5-5 exhibited percent recoveries below the LCL for the surrogates d3-NMeFOSAA (33%) and d5-N-ethyl perfluorooctane sulonamidoacetic acid (d5-NEtFOSAA) (41%). The associated results are qualified as "UJ" based on potential low bias.

Sample SB12\_11-12.5 exhibited percent recoveries below the LCL for the surrogates d3-NMeFOSAA (27%) and d5-NEtFOSAA (30%). The associated results are qualified as "UJ" based on potential low bias.

The ratio of the quantifier ion response to qualifier ion response was outside of criteria for PFOS, PFHxA, and PFOA results for sample SB12\_0-1; for PFOA and PFHxA results for sample SB13\_0-1.5; for PFOA, PFHxA, and PFOS results for sample SBDUP01\_11022020, for PFHxA and PFOA results for sample SB12\_11-12.5, for PFHxA and PFOA results for sample SB13\_4-6, and for PFOS and PFOA results for sample SB13\_7.5-9. Results were qualified "J" based on potential indeterminate bias.

## L2051747

Sample SB11\_5-6 exhibited percent recoveries below the LCL for the surrogates d3-NMeFOSAA (19%), d5-NEtFOSAA (19%), and perfluoro[1,2-13C<sub>2</sub>]tetradecanoic acid (m2-PFTEDA) (24%). The associated results are qualified as "J" for detections and "UJ" for non-detections based on potential low bias.

Sample SB10\_0-2 exhibited a percent recovery below the LCL for the surrogate d3-NMeFOSAA (33%). The associated results are qualified as "UJ" based on potential low bias.

Sample SB11\_0-2 exhibited percent recoveries below the LCL for the surrogates d3-NMeFOSAA (19%) and d5-NEtFOSAA (20%). The associated results are qualified as "UJ" based on potential low bias.

Sample SB10\_3.5-5(reanalysis) exhibited percent recoveries below the LCL for the surrogates d3-NMeFOSAA (6%) and d5-NEtFOSAA (13%). The associated results are qualified as "UJ" based on potential low bias.

Sample SB09\_0-2 exhibited percent recoveries below the LCL for the surrogates d3-NMeFOSAA (33%) and d5-NEtFOSAA (34%). The associated results are qualified as "UJ" based on potential low bias.

Sample SB09\_4-6 exhibited a percent recovery below the LCL for the surrogate d3-NMeFOSAA (41%). The associated results are qualified as "UJ" based on potential low bias.

# Technical Memorandum

Data Usability Summary Report  
For 266-270 W 96th Street  
October and November 2020 Soil Samples  
Langan Project No.: 170432001  
January 18, 2021 Page 27 of 36

---

Sample DUP02\_11192020 exhibited percent recoveries below the LCL for the surrogates d3-NMeFOSAA (42%) and d5-NEtFOSAA (38%). The associated results are qualified as "UJ" based on potential low bias.

The ratio of the quantifier ion response to qualifier ion response was outside of criteria for PFOA and perfluorotetradecanoic acid (PFTA) results for sample SB11\_5-6; PFOA and perfluoroundecanoic acid (PFUnA) results for sample SB09\_0-2; PFOA and PFOS results in sample SB09\_4-6; and perfluorohexanesulonic acid (PFHxS), PFOA, and PFOS results for sample DUP02\_11192020. Results were qualified "J" for detections and "UJ" for non-detections based on potential indeterminate bias.

## L2051957

The CCV analyzed on 12/4/2020 at 16:12 exhibited percent recoveries above the control limit for 1h,1h,2h,2h-perfluorodecane sulfonate (8:2FTS) (140.4%) and PFTA (131.5%). The associated results in samples SB23\_0-2 and SB23\_5-6 are qualified as "UJ" based on potential indeterminate bias.

The ratio of the quantifier ion response to qualifier ion response was outside of criteria for the PFHxA result in sample SB23\_0-2, and PFOA and PFUnA results in sample SB23\_5-6. Results were qualified "J" based on potential indeterminate bias.

## L2051958

The CCV analyzed on 12/1/2020 at 13:32 exhibited percent recoveries above the control limit for sodium 1h,1h,2h,2h-perfluorooctane sulfonate (6:2FTS) (136.3%), 8:2FTS (133.5%), and PFTA (133.6%). The associated results in samples SB14\_0-2, SB14\_5-6, and SB14\_6-7 are qualified as "UJ" based on potential indeterminate bias.

## **PCBs by SW-846 Method 8082A**

### L2051747

The CCV analyzed on 11/23/2020 at 23:33 exhibited %Ds above the control limit for aroclor 1016 (-27.3%) and aroclor 1260 (-26.26%). The associated results in sample SB09\_0-2 are qualified as "UJ" based on potential indeterminate bias.

# Technical Memorandum

Data Usability Summary Report  
For 266-270 W 96th Street  
October and November 2020 Soil Samples  
Langan Project No.: 170432001  
January 18, 2021 Page 28 of 36

---

## **Pesticides by SW-846 Method 8081B**

L2047744

The CCV analyzed on 11/2/2020 at 20:06 exhibited %Ds above the control limit for methoxychlor (-27.1%, -30%) and endosulfan sulfate (-27.4%, -26%). The associated results in samples SB16\_0-2 and SB16\_2-4.5 are qualified as "UJ" based on potential indeterminate bias.

L2051958

The sample SB14\_6-7 exhibited a RPD above the control limit between the primary and secondary GC columns for gamma chlordane (74.8%). The associated results are qualified as "J" based on potential indeterminate bias.

The sample SB14\_5-6 exhibited a RPD above the control limit between the primary and secondary GC columns for gamma chlordane (72.2%). The associated results are qualified as "J" based on potential indeterminate bias.

## **Metals by SW-846 Method 6010D**

L2051747

The matrix spike and matrix spike duplicate (MS/MSD) performed on sample SB10\_3.5-5 exhibited percent recoveries below the LCL for calcium (0%, 17%) and lead (76%, 69%). The associated results in sample SB10\_3.5-5 are qualified as "J" based on potential high bias.

## **Mercury by SW-846 Method 7471B**

L2047884

The laboratory duplicate and parent sample (SB12\_0-1) exhibited a RPD above the control limit for mercury (47%). The associated results are qualified as "J" based on potential indeterminate bias.

## **CN by SW-846 Method 9012B**

L2047744

The LCS/LCSD for batch WG1429289 exhibited a percent recovery below the LCL for cyanide (71%, 77%). The associated results in samples SB16\_0-2 and SB16\_2-4.5 are qualified as "UJ" based on potential low bias.

# Technical Memorandum

## L2051747

The LCS/LCSD for batch WG1436725 exhibited a percent recovery below the LCL for cyanide (66%, 63%). The associated results in samples SB11\_0-2, SB11\_4-5, SB11\_5-6, SB10\_0-2, SB10\_3.5-5, SB09\_0-2, SB09\_4-6, and DUP02\_11192020 are qualified as "UJ" based on potential low bias.

## L2051957

The LCS for batch WG1440686 exhibited a percent recovery below the LCL for cyanide (69%). The associated results in samples SB23\_0-2 and SB23\_5-6 are qualified as "UJ" based on potential low bias.

### **CrVI by SW-846 Method 7196A**

## L2051747

The method blank (MB) for batch WG1437333 exhibited a detection of hexavalent chromium (0.2 mg/kg). The associated results in sample SB11\_0-2 are qualified as "U" at the reporting limit based on potential blank contamination.

### **OTHER DEFICIENCIES:**

Other deficiencies include anomalies that do not directly impact data quality and do not necessitate qualification. The section below describes the other deficiencies that were identified.

### **VOCs by SW-846 Method 8260C**

## L2047884

The MB for batch WG1430543 exhibited detections of 1,2,3-trichlorobenzene (0.43 ug/kg), 1,2,4-trichlorobenzene (0.27 ug/kg), bromomethane (0.58 ug/kg), and hexachlorobutadiene (0.19 ug/kg). The associated results are non-detections. No qualification is necessary.

The LCS/LCSD for batch WG1430543 exhibited percent recoveries above the upper control limits (UCL) for trichlorofluoromethane (143%, 133%), bromomethane (220%, 200%), and ethyl ether (145%, 140%). The associated results are non-detections. No qualification is necessary.

## L2051747

The MB for batch WG1437972-12 exhibited a detection of bromomethane (1.5 ug/kg). The associated results are non-detections. No qualification is necessary.

# Technical Memorandum

Data Usability Summary Report  
For 266-270 W 96th Street  
October and November 2020 Soil Samples  
Langan Project No.: 170432001  
January 18, 2021 Page 30 of 36

The MB for batch WG1437972-5 exhibited a detection of bromomethane (0.68 ug/kg). The associated results are non-detections. No qualification is necessary.

The LCS for batch WG1437972-3/4 exhibited a percent recovery above the UCL for chloromethane (131%). The associated results are non-detections. No qualification is necessary.

The LCS for batch WG1437972-10/11 exhibited a percent recovery above the UCL for 1,4-dioxane (134%). The associated results are non-detections. No qualification is necessary.

The MS/MSD performed on sample SB-11-0-2 exhibited percent recoveries outside of control limits for chloromethane (132%), vinyl chloride (132%, 126%), 1,2-dichlorobenzene (67%), 1,3-dichlorobenzene (64%, 68%), 1,4-dichlorobenzene (63%, 67%), vinyl acetate (23%, 26%), n-butylbenzene (58%, 65%), sec-butylbenzene (67%), o-chlorotoluene (68%), p-chlorotoluene (66%), hexachlorobutadiene (54%, 59%), p-isopropyltoluene (64%), naphthalene (64%, 67%), n-propylbenzene (69%), 1,2,3-trichlorobenzene (57%, 59%), 1,2,4-trichlorobenzene (57%, 59%), 1,3,5-trimethylbenzene (68%), 1,2,4-trimethylbenzene (67%), p-diethylbenzene (60%, 67%), p-ethyltoluene (67%), and 1,2,4,5-tetramethylbenzene (61%, 65%). Organic results are not qualified on the basis of MS/MSD recoveries alone. No qualification is necessary.

The MS/MSD performed on sample SB10-3.5-5 exhibited percent recoveries below the LCL for dibromochloromethane (66%, 64%), 1,1,2-trichloroethane (65%, 63%), chlorobenzene (68%), bromodichloromethane (69%), trans-1,3-dichloropropene (66%, 64%), bromoform (58%, 58%), 1,1,2,2-tetrachloroethane (56%, 56%), 1,2-dichlorobenzene (54%, 54%), 1,3-dichlorobenzene (55%, 55%), 1,4-dichlorobenzene (52%, 52%), styrene (67%, 63%), 2-butanone (62%, 62%), vinyl acetate (22%, 32%), 4-methyl-2-pentanone (57%, 58%), 1,2,3-trichloropropane (59%, 60%), 2-hexanone (50%, 50%), 1,2-dibromomethane (66%, 64%), 1,3-dichloropropane (68%), 1,1,1,2-tetrachloroethane (69%), bromobenzene (60%, 60%), n-butylbenzene (60%, 60%), o-chlorotoluene (65%, 63%), p-chlorotoluene (60%, 59%), 1,2-dibromo-3-chloropropane (54%, 55%), hexachlorobutadiene (52%, 56%), p-isopropyltoluene (66%, 64%), naphthalene (39%, 43%), p-propylbenzene (67%), 1,2,3-trichlorobenzene (36%, 39%), 1,2,4-trichlorobenzene (37%, 40%), 1,3,5-trimethylbenzene (66%, 64%), 1,2,4-trimethylbenzene (63%, 61%), p-diethylbenzene (60%, 58%), p-ethyltoluene (67%, 65%), 1,2,4,5-tetramethylbenzene (51%, 50%), ethylether (52%, 51%), and trans-1,4-dichloro-2-butene (54%, 55%). Organic results are not qualified on the basis of MS/MSD recoveries alone. No qualification is necessary.



# Technical Memorandum

The trip blank (SBTB05\_11192020) exhibited a detection of acetone (2.4 ug/L). The associated results are either non-detections or are >10X the blank concentration. No qualification is necessary.

## L2051958

The LCS/LCSD for batch WG1439221 exhibited percent recoveries above the UCL for chloromethane (137%, 135%) and vinyl chloride (137%). The associated results are non-detections. No qualification is necessary.

The MB for batch WG1439220 exhibited a detection of bromomethane (0.82 ug/kg). The associated results are non-detections. No qualification is necessary.

The LCS/LCSD for batch WG1439308 exhibited percent recoveries above the UCL for chloromethane (137%, 135%) and vinyl chloride (131%). The associated results are non-detections. No qualification is necessary.

The MB for batch WG1439221 exhibited a detection of bromomethane (41 ug/kg). The associated results are non-detections. No qualification is necessary.

The MB for batch WG1439308 exhibited a detection of bromomethane (0.62 ug/kg). The associated results are non-detections. No qualification is necessary.

## **SVOCs by SW-846 Method 8270D**

### L2047884

The field blank (SBFB01\_11022020) exhibited a detection of benzo(a)anthracene (0.02 ug/L). The associated results are either non-detections or are >10X the blank contamination. No qualification is necessary.

### L2048123

The MB for batch WG1430307 exhibited a detection of dimethyl phthalate (95 ug/kg). The associated results are non-detections. No qualification is necessary.

Sample SB18\_7-8 exhibited percent recoveries below the LCL for the surrogates 2-fluorophenol (0%), phenol-d6 (0%), nitrobenzene-d5 (0%), 2-fluorobiphenyl (0%), 2,4,6-tribromophenol (0%), and 4-terphenyl-d14 (0%). The sample was diluted >10X. No qualification is necessary.

Sample SB19\_5-6 exhibited percent recoveries below the LCL for the surrogates 2-fluorophenol (0%), phenol-d6 (0%), nitrobenzene-d5 (0%), 2-fluorobiphenyl (0%), 2,4,6-tribromophenol (0%), and 4-terphenyl-d14 (0%). The sample was diluted >10X. No qualification is necessary.

# Technical Memorandum

Data Usability Summary Report  
For 266-270 W 96th Street  
October and November 2020 Soil Samples  
Langan Project No.: 170432001  
January 18, 2021 Page 32 of 36

Sample SB20\_2.5-5 exhibited percent recoveries below the LCL for the surrogates 2-fluorophenol (0%), phenol-d6 (0%), nitrobenzene-d5 (0%), 2-fluorobiphenyl (0%), 2,4,6-tribromophenol (0%), and 4-terphenyl-d14 (0%). The sample was diluted >10X. No qualification is necessary.

## L2051747

The MS/MSD performed on sample SB11\_0-2 exhibited percent recoveries outside of control limits for butylbenzylphthalate (230%) and 4-chloroaniline (37%). Organic results are not qualified on the basis of MS/MSD recoveries alone. No qualification is necessary.

The MS/MSD performed on sample SB10\_3.5-5 exhibited a percent recovery above the UCL for butylbenzylphthalate (33%, 130%). Organic results are not qualified on the basis of MS/MSD recoveries alone. No qualification is necessary.

## L2051958

The LCS/LCSD for batch WG1437515 exhibited a percent recovery above the UCL for 4-nitrophenol (116%, 117%). The associated results are non-detections. No qualification is necessary.

## **PFAS by USEPA Method 537M**

### L2037390

The LCS/LCSD for batch WG1430169 exhibited percent recoveries above the UCL for 8:2FTS (140%, 142%). The associated results are non-detections. No qualification is necessary.

### L2047884

The equipment rinsate blank SBEB03-11022020 exhibited a detection of PFHxA (0.358 ng/L). The associated results are >10X the contamination. No qualification is necessary.

The field blank SBFB01-11022020 exhibited a detection of PFHxA (0.313 ng/L). The associated results are either non-detections or are >10X the contamination. No qualification is necessary.

### L2051747

The LCS for batch WG1437404 exhibited percent recoveries above the UCL for 8:2 FTS (138%) and PFTA (136%). The associated results are non-detections. No qualification is necessary.

The LCS for batch WG1439380 exhibited a percent recovery above the UCL for PFTA (139%). The associated results are non-detections. No qualification is necessary.

# Technical Memorandum

Data Usability Summary Report  
For 266-270 W 96th Street  
October and November 2020 Soil Samples  
Langan Project No.: 170432001  
January 18, 2021 Page 33 of 36

---

The MS/MSD performed on sample SB10\_3.5-5 exhibited percent recoveries above the UCL for NMeFOSAA (190%, 181%) and PFTA (137%, 138%). Organic results are not qualified on the basis of MS/MSD recoveries alone. No qualification is necessary.

The CCV analyzed on 12/2/2020 at 16:23 exhibited percent recoveries above the control limit for perfluorodecanesulfonic acid (PFDS) (132.9%) and PFTA (138.1%). The associated results in sample SB10\_3.5-5 are non-detections, qualification was not required.

## L2051957

The LCS/LCSD for batch WG1440618 exhibited percent recoveries above the UCL for 8:2FTS (154%), PFDS (135%), and PFTA (142%, 145%). The associated results are non-detections. No qualification is necessary.

## L2051958

The equipment rinsate blank SBEB05\_11202020 exhibited a detection of PFHxA (0.428 ng/L). The associated results are >10X the contamination. No qualification is necessary.

The field blank SBF02\_11202020 exhibited a detection of PFHxA (0.538 ng/L). The associated results are >10X the contamination. No qualification is necessary.

The LCS/LCSD for batch WG1439380 exhibited a percent recovery above the UCL for PFTA (118%, 139%). The associated results are non-detections. No qualification is necessary.

## **Pesticides by SW-846 Method 8081B**

### L2047744

The sample SB16\_0-2 exhibited a percent recovery above the UCL for the surrogate decachlorobiphenyl (column 1 = 233%, column 2 = 4680%). The associated results are non-detections. No qualification is necessary.

## **Metals by SW-846 Method 6010D**

### L2047390

The MB for batch WG1429327 exhibited a detection of antimony (0.172 mg/kg). The associated results are non-detections. No qualification is necessary.

The MB for batch WG1429327 exhibited a detection of iron (0.512 mg/kg). The associated results are >10X the contamination. No qualification is necessary.

# Technical Memorandum

Data Usability Summary Report  
For 266-270 W 96th Street  
October and November 2020 Soil Samples  
Langan Project No.: 170432001  
January 18, 2021 Page 34 of 36

---

## L2047744

The MB for batch WG1429468 exhibited detections of calcium (1.82 mg/kg), potassium (8.82 mg/kg), and sodium (11.6 mg/kg). The associated results are >10X the contamination. No qualification is necessary.

## L2047884

The MB for batch WG143051 exhibited detections of arsenic (0.124 mg/kg) and iron (0.676 mg/kg). The associated results are >10X the contamination. No qualification is necessary.

The field blank SBFB01-11022020 exhibited a detections of barium (0.0004 mg/L) and lead (0.00275 mg/L). The associated results are >10X the contamination. No qualification is necessary.

## L2051747

The MB for batch WG1438100 exhibited detections of chromium (0.136 mg/kg), iron (1.04 mg/kg), manganese (0.796 mg/kg), and sodium (1.44 mg/kg). The associated results are >10X the contamination. No qualification is necessary.

The MS/MSD performed on sample SB11\_0-2 exhibited percent recoveries above the UCL for aluminum (313%, 431%), iron (336%, 690%), and manganese (132%, 152%). The associated results in the parent sample are >4X the spiked amount. No qualification is necessary.

The MS/MSD performed on sample SB10\_3.5-5 exhibited percent recoveries above the UCL for aluminum (351%, 278%), iron (792%, 566%), and manganese (213%, 11%). The associated results in the parent sample are >4X the spiked amount. No qualification is necessary.

## L2051957

The MB for batch WG1442060 exhibited detections of chromium (0.128 mg/kg), iron (0.752 mg/kg), manganese (0.072 mg/kg), and sodium (4.22 mg/kg). The associated results are >10X the contamination. No qualification is necessary.

## L2051958

The MB for batch WG1438653 exhibited detections of arsenic (0.092 mg/kg), chromium (0.168 mg/kg), iron (0.436 mg/kg), manganese (0.22 mg/kg), nickel (0.136 mg/kg), potassium (10.2 mg/kg), sodium (4.97 mg/kg), and zinc (0.18 mg/kg). The associated results are >10X the contamination. No qualification is necessary.

The field blank SBFB02\_11202020 exhibited detections of lead (0.00183 mg/L) and chromium (0.0019 mg/L). The associated results are >10X the contamination. No qualification is necessary.

# Technical Memorandum

## Mercury by SW-846 Method 7470B

L2051747

The MS/MSD performed on sample SB10\_3.5-5 exhibited a percent recovery above the UCL for mercury (141%, 141%). The associated results are non-detections. No qualification is necessary.

## CrVI by SW-846 Method 7196A

L2051747

The MB for batch WG1437333 exhibited a detection of hexavalent chromium (0.2 mg/kg). The associated results are non-detections. No qualification is necessary.

## FIELD DUPLICATE SUMMARY:

Two field duplicate and parent sample pairs were collected and analyzed for all parameters. For results less than 5X the RL, analytes meet the precision criteria if the absolute difference is less than  $\pm 2X$  the RL. For results greater than 5X the RL, analytes meet the precision criteria if the RPD is less than or equal to 50% for soil. The following field duplicate and parent sample pairs were compared to the precision criteria:

- SBDUP01\_11022020 and SB13\_0-1.5
- DUP02\_11192020 and SB09\_0-2

The field duplicate and parent sample (SB13\_0-1.5/SBDUP01-11022020) exhibited RPDs above the control limit for calcium (80.9%), copper (51.9%), lead (167.9%), zinc (50.7%), anthracene (106.9%), benzo(a)anthrene (55.6%), benzo(a)pyrene (54.2%), benzo(b)fluoranthene (52.4%), benzo(k)fluoranthene (90.7%), chrysene (60.9%), fluoranthene (75%), indeno(1,2,3-cd)pyrene (51%), phenanthrene (109.7%), and pyrene (70.8%). The associated results are qualified as "J" based on potential indeterminate bias. The field duplicate and parent sample (SB13\_0-1.5/SBDUP01-11022020) exhibited absolute differences above the RL for mercury (101.3%) and acenaphthene (122.1%). The associated results are qualified as "J" based on potential indeterminate bias.

The field duplicate and parent sample (DUP02\_11192020/SB09\_0-2) exhibited RPDs above the control limit for calcium (98.7%) and lead (62.9%). The associated results are qualified as "J" based on potential indeterminate bias.

# Technical Memorandum

Data Usability Summary Report  
For 266-270 W 96th Street  
October and November 2020 Soil Samples  
Langan Project No.: 170432001  
January 18, 2021 Page 36 of 36

---

## CONCLUSIONS:

On the basis of this evaluation, the laboratory appears to have followed the specified analytical methods with the exception of errors discussed above. If a given fraction is not mentioned above, that means that all specified criteria were met for that parameter. All of the data packages met ASP Category B requirements.

All data are considered usable, as qualified, with the exception of the rejected results. In addition, completeness, defined as the percentage of analytical results that are judged to be valid, is 100%.

Signed:



---

Joe Conboy  
Staff Chemist

1818 Market Street, Suite 3300 Philadelphia, PA 19103 T: 215.845.8900 F: 215.845.8901  
Mailing Address: 1818 Market Street, Suite 3300 Philadelphia, PA 19103

**To:** Joseph Yanowitz, Langan Senior Staff Engineer  
**From:** Joe Conboy, Langan Staff Chemist  
**Date:** January 11, 2021  
**Re:** Data Usability Summary Report  
For 266-270 West 96<sup>th</sup> Street  
October and November Vapor Samples  
Langan Project No.: 170432001

This memorandum presents the findings of an analytical data validation of the data generated from the analysis of air samples collected in October and November 2020 by Langan Engineering and Environmental Services (“Langan”) at the 266-270 West 96<sup>th</sup> Street site (“the site”). The samples were analyzed by Alpha Analytical Laboratories, Inc. (NYSDOH NELAP registration # 11148) for volatile organic compounds (VOCs) by the methods specified below.

- VOCs by USEPA Method TO-15

Table 1, below, summarizes the laboratory and client sample identification numbers, sample collection dates, and analytical parameters subject to review.

**TABLE 1: SAMPLE SUMMARY**

<b>SDG</b>	<b>Lab Sample ID</b>	<b>Client Sample ID</b>	<b>Sample Date</b>	<b>Analytical Parameters</b>
L2047759	L2047759-01	SSV10_10302020	10/30/2020	VOCs by TO-15
L2047759	L2047759-02	IA10_10302020	10/30/2020	VOCs by TO-15
L2047759	L2047759-03	SSV11_10302020	10/30/2020	VOCs by TO-15
L2047759	L2047759-04	IA11_10302020	10/30/2020	VOCs by TO-15
L2047759	L2047759-05	SSV12_10302020	10/30/2020	VOCs by TO-15
L2047759	L2047759-06	IA12_10302020	10/30/2020	VOCs by TO-15
L2051716	L2051716-01	SV07_11192020	11/19/2020	VOCs by TO-15
L2051716	L2051716-02	AA02_11192020	11/19/2020	VOCs by TO-15
L2051716	L2051716-03	SSV09_11192020	11/19/2020	VOCs by TO-15
L2051716	L2051716-04	IA09_11192020	11/19/2020	VOCs by TO-15
L2052008	L2052008-01	SSV08_11202020	11/20/2020	VOCs by TO-15

# Technical Memorandum

Data Usability Summary Report  
For 266-270 West 96th Street  
October and November Vapor Samples  
Langan Project No.:  
January 11, 2021 Page 2 of 5

<i><b>SDG</b></i>	<i><b>Lab Sample ID</b></i>	<i><b>Client Sample ID</b></i>	<i><b>Sample Date</b></i>	<i><b>Analytical Parameters</b></i>
L2052008	L2052008-02	IA08_11202020	11/20/2020	VOCs by TO-15

## Validation Overview

This data validation was performed in accordance with USEPA Region II Standard Operating Procedure (SOP) #HW-31, "Analysis of Volatile Organic Compounds in Air Contained in Canisters by Method TO-15" (September 2016, Revision 6), the USEPA Contract Laboratory Program "National Functional Guidelines for Organic Superfund Methods Data Review" (EPA-540-R-2017-002, January 2017), and the specifics of the methods employed.

Validation includes review of the analytical data to verify that data are easily traceable and sufficiently complete to permit logical reconstruction by a qualified individual other than the originator. Items subject to review in this memorandum include holding times, sample preservation, instrument tuning, instrument calibration, laboratory blanks, laboratory control samples, internal standard area counts, target compound identification and quantification, chromatograms, and overall system performance.

As a result of the review process, the following qualifiers may be assigned to the data in accordance with the USEPA's guidelines and best professional judgment:

- R** – The sample results are unusable due to the quality of the data generated because certain criteria were not met. The analyte may or may not be present in the sample.
- J** – The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample.
- UJ** – The analyte was not detected at a level greater than or equal to the reporting limit (RL); however, the reported RL is approximate and may be inaccurate or imprecise.
- U** – The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the RL or the sample concentration for results impacted by blank contamination.
- NJ** – The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.

If any validation qualifiers are assigned these qualifiers should supersede any laboratory-applied qualifiers. Data that is not qualified as a result of this data validation is considered acceptable on the basis of the items specified for review. Data that is qualified as "R" are not sufficiently valid



# Technical Memorandum

and technically supportable to be used for data interpretation. Data that is otherwise qualified due to minor data quality anomalies are usable, as qualified.

**TABLE 2: VALIDATOR-APPLIED QUALIFICATION**

<i>Client Sample ID</i>	<i>Analysis</i>	<i>CAS #</i>	<i>Analyte</i>	<i>Validator Qualifier</i>
SSV10_10302020	TO15	75-00-3	Chloroethane	UJ
IA10_10302020	TO15	75-00-3	Chloroethane	UJ
SSV11_10302020	TO15	75-00-3	Chloroethane	UJ
IA11_10302020	TO15	75-00-3	Chloroethane	UJ
SSV12_10302020	TO15	75-00-3	Chloroethane	UJ
IA12_10302020	TO15	75-00-3	Chloroethane	UJ
SV07_11192020	TO15	100-44-7	Benzyl Chloride	UJ
SV07_11192020	TO15	56-23-5	Carbon Tetrachloride	UJ
AA02_11192020	TO15	100-44-7	Benzyl Chloride	UJ
SSV09_11192020	TO15	100-44-7	Benzyl Chloride	UJ
SSV09_11192020	TO15	56-23-5	Carbon Tetrachloride	UJ
IA09_11192020	TO15	100-44-7	Benzyl Chloride	UJ
SSV08_11202020	TO15	120-82-1	1,2,4-Trichlorobenzene	UJ
SSV08_11202020	TO15	100-44-7	Benzyl Chloride	UJ
IA08_11202020	TO15	100-44-7	Benzyl Chloride	UJ

## MAJOR DEFICIENCIES:

Major deficiencies include those that grossly impact data quality and necessitate the rejection of results. No major deficiencies were identified.

## MINOR DEFICIENCIES:

Minor deficiencies include anomalies that directly impact data quality and necessitate qualification, but do not result in unusable data. The section below describes the minor deficiencies that were identified.

# Technical Memorandum

## VOCs by USEPA Method TO-15:

### L2047759

The continuing calibration verification (CCV) analyzed on 11/3/2020 at 11:44 exhibited a percent drift (%D) above the control limit for chloroethane (-35.8%). The associated results in sample SSV10\_10302020, IA10\_10302020, SSV11\_10302020, IA11\_10302020, SSV12\_10302020, and IA12\_10302020 are qualified as "UJ" based on potential indeterminate bias.

### L2051716

The initial calibration (ICAL) for instrument AIRLAB15 exhibited a percent standard deviation (RSD) above the control limit for benzyl chloride (35.85%). The associated results in sample SV07\_11192020, SSV09\_11192020, AA02\_11192020, and IA09\_11192020 are qualified as "UJ" based on potential indeterminate bias.

The CCV analyzed on 11/27/2020 at 11:53 exhibited a %D above the control limit for carbon tetrachloride (-35.5%). The associated results in sample SV07\_11192020 and SSV09\_11192020 are qualified as "UJ" based on potential indeterminate bias.

### L2052008

The ICAL for instrument AIRLAB15 exhibited a RSD above the control limit for benzyl chloride (35.85%). The associated results in sample IA08\_11202020 are qualified as "UJ" based on potential indeterminate bias.

The ICAL for instrument AIRLAB16 exhibited RSDs above the control limits for benzyl chloride (30.79%) and 1,2,4-trichlorobenzene (34.59%). The associated results in sample SSV08\_11202020 are qualified as "UJ" based on potential indeterminate bias.

## OTHER DEFICIENCIES:

Other deficiencies include anomalies that do not directly impact data quality and do not necessitate qualification. The section below describes the other deficiencies that were identified.

## VOCs by USEPA Method TO-15:

### L2051716

The laboratory control sample (LCS) for batch WG1438646-3 exhibited a percent recovery above the UCL for carbon tetrachloride (132%). The associated results are non-detections. No qualification is necessary.

# Technical Memorandum

Data Usability Summary Report  
For 266-270 West 96th Street  
October and November Vapor Samples  
Langan Project No.:  
January 11, 2021 Page 5 of 5

---

## COMMENTS:

On the basis of this evaluation, the laboratory appears to have followed the specified analytical methods with the exception of errors discussed above. If a given fraction is not mentioned above, that means that all specified criteria were met for that parameter. All of the data packages met ASP Category B requirements.

All data are considered usable, as qualified, with the exception of the rejected results. In addition, completeness, defined as the percentage of analytical results that are judged to be valid, is 100%.

Signed:



---

Joe Conboy  
Staff Chemist

---

989 Lenox Drive Lawrenceville, NJ 08648 T: 609.282.8000  
Mailing Address: 989 Lenox Drive Lawrenceville, NJ 08648

---

**To:** Joseph Yanowitz, Langan Senior Staff Engineer  
**From:** Joe Conboy, Langan Staff Chemist  
**Date:** May 26, 2021  
**Re:** Data Usability Summary Report  
For 266-270 West 96<sup>th</sup> Street  
May 2021 Soil Vapor Samples  
Langan Project No.: 170432001

---

This memorandum presents the findings of an analytical data validation of the data generated from the analysis of air samples collected in May 2021 by Langan Engineering and Environmental Services at the 266-270 West 96<sup>th</sup> Street site. The samples were analyzed by Alpha Analytical Laboratories, Inc. (NYSDOH NELAP registration # 11148) for volatile organic compounds (VOCs) by the methods specified below.

- VOCs by USEPA Method TO-15

Table 1, attached, summarizes the laboratory and client sample identification numbers, sample collection dates, and analytical parameters subject to review.

### **Validation Overview**

This data validation was performed in accordance with the following guidelines, where applicable:

- USEPA Region II Standard Operating Procedure (SOP) #HW-31, "Analysis of Volatile Organic Compounds in Air Contained in Canisters by Method TO-15" (September 2016, Revision 6),
- USEPA Contract Laboratory Program "National Functional Guidelines for Organic Superfund Methods Data Review" (EPA-540-R-2017-002, January 2017), and
- the specifics of the methods employed.

Validation includes review of the analytical data to verify that data are easily traceable and sufficiently complete to permit logical reconstruction by a qualified individual other than the originator. Items subject to review in this memorandum may include:

# Technical Memorandum

- holding times
- instrument calibration
- internal standard areas
- overall system performance
- sample preservation
- laboratory blanks
- target compound identification and quantitation
- field duplicates
- instrument tuning
- laboratory control samples
- chromatograms

As a result of the review process, the following qualifiers may be assigned to the data in accordance with the USEPA’s guidelines and best professional judgment:

**R** – The sample results are unusable because certain criteria were not met when generating the data. The analyte may or may not be present in the sample.

**J** – The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample.

**UJ** – The analyte was not detected at a level greater than or equal to the reporting limit; however, the reported reporting limit is approximate and may be inaccurate or imprecise.

**U** – The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the RL or the sample concentration for results impacted by blank contamination.

**NJ** – The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.

If any validation qualifiers are assigned these qualifiers should supersede any laboratory-applied qualifiers. Data that is not qualified as a result of this data validation is considered acceptable on the basis of the items specified for review. Data that is qualified as “R” are considered invalid and are not technically usable for data interpretation. Data that is otherwise qualified due to minor data quality anomalies are usable, as qualified in Table 2 (attached).

The following acronyms may be used in the discussion of data-quality issues:

%D	Percent Difference	MB	Method Blank
CCV	Continuing Calibration Verification	MDL	Method Detection Limit
FB	Field Blank	MS	Matrix Spike
FD	Field Duplicate	MSD	Matrix Spike Duplicate
ICAL	Initial Calibration	RF	Response Factor
ICV	Initial Calibration Verification	RL	Reporting Limit
ISTD	Internal Standard	RPD	Relative Percent Difference
LCL	Lower Control Limit	RSD	Relative Standard Deviation
LCS	Laboratory Control Sample	TB	Trip Blank
LCSD	Laboratory Control Sample Duplicate	UCL	Upper Control Limit

# Technical Memorandum

Data Usability Summary Report  
For 266-270 West 96 Street  
May 2021 Soil Vapor Samples  
Langan Project No.: 170432001  
May 26, 2021 Page 3 of 3

---

## **MAJOR DEFICIENCIES:**

Major deficiencies include those that grossly impact data quality and necessitate the rejection of results. No major deficiencies were identified.

## **MINOR DEFICIENCIES:**

Minor deficiencies include anomalies that directly impact data quality and necessitate qualification, but do not result in unusable data. No minor deficiencies were identified.

## **OTHER DEFICIENCIES:**

Other deficiencies include anomalies that do not directly impact data quality and do not necessitate qualification. No other deficiencies were identified.

## **CONCLUSION:**

On the basis of this evaluation, the laboratory appears to have followed the specified analytical methods with the exception of errors discussed above. If a given fraction is not mentioned above, that means that all specified criteria were met for that parameter. All of the data packages met ASP Category B requirements.

All data are considered usable, as qualified. In addition, completeness, defined as the percentage of analytical results that are judged to be valid, is 100%.

Signed:



Joe Conboy  
Staff Chemist

**APPENDIX H**  
LABORATORY ANALYTICAL REPORTS



## ANALYTICAL REPORT

Lab Number:	L2047390
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Kimberly Semon
Phone:	(212) 479-5486
Project Name:	266-270 WEST 96TH ST
Project Number:	170432001
Report Date:	11/16/20

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

---

Eight Walkup Drive, Westborough, MA 01581-1019  
508-898-9220 (Fax) 508-898-9193 800-624-9220 - [www.alphalab.com](http://www.alphalab.com)





**Project Name:** 266-270 WEST 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047390  
**Report Date:** 11/16/20

<b>Alpha Sample ID</b>	<b>Client ID</b>	<b>Matrix</b>	<b>Sample Location</b>	<b>Collection Date/Time</b>	<b>Receive Date</b>
L2047390-01	SB-15_0-2	SOIL	NEW YORK, NY	10/29/20 12:00	10/29/20
L2047390-02	SB-15_2.5-4.5	SOIL	NEW YORK, NY	10/29/20 12:45	10/29/20
L2047390-03	SB-17_0-2	SOIL	NEW YORK, NY	10/29/20 14:20	10/29/20
L2047390-04	SBTB01_10292020	TRIP BLANK (AQUEOUS)	NEW YORK, NY	10/29/20 00:00	10/29/20
L2047390-05	SBEB01_10292020	EQUIPMENT BLANK	NEW YORK, NY	10/29/20 15:05	10/29/20

**Project Name:** 266-270 WEST 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047390  
**Report Date:** 11/16/20

### Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

**HOLD POLICY** - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

---

**Project Name:** 266-270 WEST 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047390  
**Report Date:** 11/16/20

### Case Narrative (continued)

#### Report Submission

November 16, 2020: This final report includes the results of all requested analyses.

November 04, 2020: This is a preliminary report.

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

#### Sample Receipt

At the client's request, the analysis of 1,4-Dioxane was not performed.

#### Perfluorinated Alkyl Acids by Isotope Dilution

L2047390-01, -03, and WG1430323-5: The MeOH fraction of the extraction is reported for Perfluorooctanesulfonamide (FOSA) due to better extraction efficiency of the Surrogates (Extracted Internal Standards).

L2047390-02 and WG1430323-4: Extracted Internal Standard recoveries were outside the acceptance criteria for individual analytes. Please refer to the surrogate section of the report for details.

L2047390-03: The sample was re-analyzed due to QC failures in the original analysis. The results of the re-analysis are reported.

The WG1430169-2/-3 LCS/LCSD recoveries, associated with L2047390-01, are above the acceptance criteria for 1h,1h,2h,2h-perfluorodecanesulfonic acid (8:2fts) (140%/142%); however, the associated sample is non-detect to the RL for this target analyte. The results of the original analysis are reported.

WG1430169-2/-3: The Extracted Internal Standard recovery is below the acceptance criteria for Perfluoro[13C8]Octanesulfonamide (M8FOSA) (less than 10%); however, all associated target analytes are within criteria; therefore, no further action was taken.

#### Total Metals

L2047390-01, -02, and -03: The sample has elevated detection limits for all elements, with the exception of

**Project Name:** 266-270 WEST 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047390  
**Report Date:** 11/16/20

### Case Narrative (continued)

mercury, due to the dilution required by matrix interferences encountered during analysis.

#### Hexavalent Chromium

The WG1428722-5 Soluble MS recovery for chromium, hexavalent (0%), performed on L2047390-01, was outside the acceptance criteria. This has been attributed to matrix interference. A post-spike was performed with a recovery of 88%.

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. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:



Kelly Stenstrom

Title: Technical Director/Representative

Date: 11/16/20

# ORGANICS

# VOLATILES

**Project Name:** 266-270 WEST 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047390  
**Report Date:** 11/16/20

**SAMPLE RESULTS**

Lab ID: L2047390-01  
 Client ID: SB-15\_0-2  
 Sample Location: NEW YORK, NY

Date Collected: 10/29/20 12:00  
 Date Received: 10/29/20  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8260C  
 Analytical Date: 11/02/20 15:27  
 Analyst: AD  
 Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by EPA 5035 Low - Westborough Lab</b>						
Methylene chloride	ND		ug/kg	5.4	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.1	0.16	1
Chloroform	ND		ug/kg	1.6	0.15	1
Carbon tetrachloride	ND		ug/kg	1.1	0.25	1
1,2-Dichloropropane	ND		ug/kg	1.1	0.13	1
Dibromochloromethane	ND		ug/kg	1.1	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.29	1
Tetrachloroethene	ND		ug/kg	0.54	0.21	1
Chlorobenzene	ND		ug/kg	0.54	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.3	0.74	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.28	1
1,1,1-Trichloroethane	ND		ug/kg	0.54	0.18	1
Bromodichloromethane	ND		ug/kg	0.54	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.29	1
cis-1,3-Dichloropropene	ND		ug/kg	0.54	0.17	1
1,3-Dichloropropene, Total	ND		ug/kg	0.54	0.17	1
1,1-Dichloropropene	ND		ug/kg	0.54	0.17	1
Bromoform	ND		ug/kg	4.3	0.26	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.54	0.18	1
Benzene	ND		ug/kg	0.54	0.18	1
Toluene	ND		ug/kg	1.1	0.58	1
Ethylbenzene	ND		ug/kg	1.1	0.15	1
Chloromethane	ND		ug/kg	4.3	1.0	1
Bromomethane	ND		ug/kg	2.1	0.62	1
Vinyl chloride	ND		ug/kg	1.1	0.36	1
Chloroethane	ND		ug/kg	2.1	0.48	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.26	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.15	1

**Project Name:** 266-270 WEST 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047390  
**Report Date:** 11/16/20

**SAMPLE RESULTS**

**Lab ID:** L2047390-01  
**Client ID:** SB-15\_0-2  
**Sample Location:** NEW YORK, NY

**Date Collected:** 10/29/20 12:00  
**Date Received:** 10/29/20  
**Field Prep:** Not Specified

**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by EPA 5035 Low - Westborough Lab</b>						
Trichloroethene	0.68		ug/kg	0.54	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	2.1	0.15	1
1,3-Dichlorobenzene	ND		ug/kg	2.1	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	2.1	0.18	1
Methyl tert butyl ether	ND		ug/kg	2.1	0.22	1
p/m-Xylene	ND		ug/kg	2.1	0.60	1
o-Xylene	ND		ug/kg	1.1	0.31	1
Xylenes, Total	ND		ug/kg	1.1	0.31	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.19	1
1,2-Dichloroethene, Total	ND		ug/kg	1.1	0.15	1
Dibromomethane	ND		ug/kg	2.1	0.26	1
Styrene	ND		ug/kg	1.1	0.21	1
Dichlorodifluoromethane	ND		ug/kg	11	0.98	1
Acetone	ND		ug/kg	11	5.2	1
Carbon disulfide	ND		ug/kg	11	4.9	1
2-Butanone	ND		ug/kg	11	2.4	1
Vinyl acetate	ND		ug/kg	11	2.3	1
4-Methyl-2-pentanone	ND		ug/kg	11	1.4	1
1,2,3-Trichloropropane	ND		ug/kg	2.1	0.14	1
2-Hexanone	ND		ug/kg	11	1.3	1
Bromochloromethane	ND		ug/kg	2.1	0.22	1
2,2-Dichloropropane	ND		ug/kg	2.1	0.22	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.30	1
1,3-Dichloropropane	ND		ug/kg	2.1	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.54	0.14	1
Bromobenzene	ND		ug/kg	2.1	0.16	1
n-Butylbenzene	ND		ug/kg	1.1	0.18	1
sec-Butylbenzene	ND		ug/kg	1.1	0.16	1
tert-Butylbenzene	ND		ug/kg	2.1	0.13	1
o-Chlorotoluene	ND		ug/kg	2.1	0.20	1
p-Chlorotoluene	ND		ug/kg	2.1	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.2	1.1	1
Hexachlorobutadiene	ND		ug/kg	4.3	0.18	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.12	1
Naphthalene	ND		ug/kg	4.3	0.70	1
Acrylonitrile	ND		ug/kg	4.3	1.2	1



**Project Name:** 266-270 WEST 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047390  
**Report Date:** 11/16/20

**SAMPLE RESULTS**

**Lab ID:** L2047390-01  
**Client ID:** SB-15\_0-2  
**Sample Location:** NEW YORK, NY

**Date Collected:** 10/29/20 12:00  
**Date Received:** 10/29/20  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.1	0.18	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.1	0.34	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.1	0.29	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.1	0.21	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.1	0.36	1
1,4-Dioxane	ND		ug/kg	86	38.	1
p-Diethylbenzene	ND		ug/kg	2.1	0.19	1
p-Ethyltoluene	ND		ug/kg	2.1	0.41	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.1	0.20	1
Ethyl ether	ND		ug/kg	2.1	0.37	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.4	1.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	103		70-130

**Project Name:** 266-270 WEST 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047390  
**Report Date:** 11/16/20

**SAMPLE RESULTS**

Lab ID: L2047390-02  
 Client ID: SB-15\_2.5-4.5  
 Sample Location: NEW YORK, NY

Date Collected: 10/29/20 12:45  
 Date Received: 10/29/20  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8260C  
 Analytical Date: 11/02/20 15:54  
 Analyst: AD  
 Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by EPA 5035 Low - Westborough Lab</b>						
Methylene chloride	ND		ug/kg	5.4	2.5	1
1,1-Dichloroethane	ND		ug/kg	1.1	0.16	1
Chloroform	ND		ug/kg	1.6	0.15	1
Carbon tetrachloride	ND		ug/kg	1.1	0.25	1
1,2-Dichloropropane	ND		ug/kg	1.1	0.14	1
Dibromochloromethane	ND		ug/kg	1.1	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.29	1
Tetrachloroethene	ND		ug/kg	0.54	0.21	1
Chlorobenzene	ND		ug/kg	0.54	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.3	0.75	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.28	1
1,1,1-Trichloroethane	ND		ug/kg	0.54	0.18	1
Bromodichloromethane	ND		ug/kg	0.54	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.30	1
cis-1,3-Dichloropropene	ND		ug/kg	0.54	0.17	1
1,3-Dichloropropene, Total	ND		ug/kg	0.54	0.17	1
1,1-Dichloropropene	ND		ug/kg	0.54	0.17	1
Bromoform	ND		ug/kg	4.3	0.27	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.54	0.18	1
Benzene	ND		ug/kg	0.54	0.18	1
Toluene	ND		ug/kg	1.1	0.59	1
Ethylbenzene	ND		ug/kg	1.1	0.15	1
Chloromethane	ND		ug/kg	4.3	1.0	1
Bromomethane	ND		ug/kg	2.2	0.63	1
Vinyl chloride	ND		ug/kg	1.1	0.36	1
Chloroethane	ND		ug/kg	2.2	0.49	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.26	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.15	1

**Project Name:** 266-270 WEST 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047390  
**Report Date:** 11/16/20

**SAMPLE RESULTS**

**Lab ID:** L2047390-02  
**Client ID:** SB-15\_2.5-4.5  
**Sample Location:** NEW YORK, NY

**Date Collected:** 10/29/20 12:45  
**Date Received:** 10/29/20  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	0.82		ug/kg	0.54	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,3-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	2.2	0.18	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.22	1
p/m-Xylene	ND		ug/kg	2.2	0.60	1
o-Xylene	ND		ug/kg	1.1	0.31	1
Xylenes, Total	ND		ug/kg	1.1	0.31	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.19	1
1,2-Dichloroethene, Total	ND		ug/kg	1.1	0.15	1
Dibromomethane	ND		ug/kg	2.2	0.26	1
Styrene	ND		ug/kg	1.1	0.21	1
Dichlorodifluoromethane	ND		ug/kg	11	0.99	1
Acetone	ND		ug/kg	11	5.2	1
Carbon disulfide	ND		ug/kg	11	4.9	1
2-Butanone	ND		ug/kg	11	2.4	1
Vinyl acetate	ND		ug/kg	11	2.3	1
4-Methyl-2-pentanone	ND		ug/kg	11	1.4	1
1,2,3-Trichloropropane	ND		ug/kg	2.2	0.14	1
2-Hexanone	ND		ug/kg	11	1.3	1
Bromochloromethane	ND		ug/kg	2.2	0.22	1
2,2-Dichloropropane	ND		ug/kg	2.2	0.22	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.30	1
1,3-Dichloropropane	ND		ug/kg	2.2	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.54	0.14	1
Bromobenzene	ND		ug/kg	2.2	0.16	1
n-Butylbenzene	ND		ug/kg	1.1	0.18	1
sec-Butylbenzene	ND		ug/kg	1.1	0.16	1
tert-Butylbenzene	ND		ug/kg	2.2	0.13	1
o-Chlorotoluene	ND		ug/kg	2.2	0.21	1
p-Chlorotoluene	ND		ug/kg	2.2	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.2	1.1	1
Hexachlorobutadiene	ND		ug/kg	4.3	0.18	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.12	1
Naphthalene	ND		ug/kg	4.3	0.70	1
Acrylonitrile	ND		ug/kg	4.3	1.2	1

**Project Name:** 266-270 WEST 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047390  
**Report Date:** 11/16/20

**SAMPLE RESULTS**

Lab ID: L2047390-02  
 Client ID: SB-15\_2.5-4.5  
 Sample Location: NEW YORK, NY

Date Collected: 10/29/20 12:45  
 Date Received: 10/29/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.1	0.18	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.2	0.35	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.2	0.29	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.2	0.21	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.2	0.36	1
1,4-Dioxane	ND		ug/kg	86	38.	1
p-Diethylbenzene	ND		ug/kg	2.2	0.19	1
p-Ethyltoluene	ND		ug/kg	2.2	0.42	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.2	0.21	1
Ethyl ether	ND		ug/kg	2.2	0.37	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.4	1.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	101		70-130

**Project Name:** 266-270 WEST 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047390  
**Report Date:** 11/16/20

**SAMPLE RESULTS**

Lab ID: L2047390-03  
 Client ID: SB-17\_0-2  
 Sample Location: NEW YORK, NY

Date Collected: 10/29/20 14:20  
 Date Received: 10/29/20  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8260C  
 Analytical Date: 11/02/20 16:21  
 Analyst: AD  
 Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by EPA 5035 Low - Westborough Lab</b>						
Methylene chloride	ND		ug/kg	7.6	3.5	1
1,1-Dichloroethane	ND		ug/kg	1.5	0.22	1
Chloroform	ND		ug/kg	2.3	0.21	1
Carbon tetrachloride	ND		ug/kg	1.5	0.35	1
1,2-Dichloropropane	ND		ug/kg	1.5	0.19	1
Dibromochloromethane	ND		ug/kg	1.5	0.21	1
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.41	1
Tetrachloroethene	1.5		ug/kg	0.76	0.30	1
Chlorobenzene	ND		ug/kg	0.76	0.19	1
Trichlorofluoromethane	ND		ug/kg	6.1	1.0	1
1,2-Dichloroethane	ND		ug/kg	1.5	0.39	1
1,1,1-Trichloroethane	ND		ug/kg	0.76	0.25	1
Bromodichloromethane	ND		ug/kg	0.76	0.17	1
trans-1,3-Dichloropropene	ND		ug/kg	1.5	0.42	1
cis-1,3-Dichloropropene	ND		ug/kg	0.76	0.24	1
1,3-Dichloropropene, Total	ND		ug/kg	0.76	0.24	1
1,1-Dichloropropene	ND		ug/kg	0.76	0.24	1
Bromoform	ND		ug/kg	6.1	0.37	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.76	0.25	1
Benzene	ND		ug/kg	0.76	0.25	1
Toluene	ND		ug/kg	1.5	0.83	1
Ethylbenzene	ND		ug/kg	1.5	0.21	1
Chloromethane	ND		ug/kg	6.1	1.4	1
Bromomethane	ND		ug/kg	3.0	0.88	1
Vinyl chloride	ND		ug/kg	1.5	0.51	1
Chloroethane	ND		ug/kg	3.0	0.69	1
1,1-Dichloroethene	ND		ug/kg	1.5	0.36	1
trans-1,2-Dichloroethene	ND		ug/kg	2.3	0.21	1

**Project Name:** 266-270 WEST 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047390  
**Report Date:** 11/16/20

**SAMPLE RESULTS**

**Lab ID:** L2047390-03  
**Client ID:** SB-17\_0-2  
**Sample Location:** NEW YORK, NY

**Date Collected:** 10/29/20 14:20  
**Date Received:** 10/29/20  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	0.90		ug/kg	0.76	0.21	1
1,2-Dichlorobenzene	ND		ug/kg	3.0	0.22	1
1,3-Dichlorobenzene	ND		ug/kg	3.0	0.22	1
1,4-Dichlorobenzene	ND		ug/kg	3.0	0.26	1
Methyl tert butyl ether	ND		ug/kg	3.0	0.31	1
p/m-Xylene	ND		ug/kg	3.0	0.85	1
o-Xylene	ND		ug/kg	1.5	0.44	1
Xylenes, Total	ND		ug/kg	1.5	0.44	1
cis-1,2-Dichloroethene	ND		ug/kg	1.5	0.27	1
1,2-Dichloroethene, Total	ND		ug/kg	1.5	0.21	1
Dibromomethane	ND		ug/kg	3.0	0.36	1
Styrene	ND		ug/kg	1.5	0.30	1
Dichlorodifluoromethane	ND		ug/kg	15	1.4	1
Acetone	ND		ug/kg	15	7.3	1
Carbon disulfide	ND		ug/kg	15	6.9	1
2-Butanone	ND		ug/kg	15	3.4	1
Vinyl acetate	ND		ug/kg	15	3.3	1
4-Methyl-2-pentanone	ND		ug/kg	15	1.9	1
1,2,3-Trichloropropane	ND		ug/kg	3.0	0.19	1
2-Hexanone	ND		ug/kg	15	1.8	1
Bromochloromethane	ND		ug/kg	3.0	0.31	1
2,2-Dichloropropane	ND		ug/kg	3.0	0.31	1
1,2-Dibromoethane	ND		ug/kg	1.5	0.42	1
1,3-Dichloropropane	ND		ug/kg	3.0	0.25	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.76	0.20	1
Bromobenzene	ND		ug/kg	3.0	0.22	1
n-Butylbenzene	ND		ug/kg	1.5	0.25	1
sec-Butylbenzene	ND		ug/kg	1.5	0.22	1
tert-Butylbenzene	ND		ug/kg	3.0	0.18	1
o-Chlorotoluene	ND		ug/kg	3.0	0.29	1
p-Chlorotoluene	ND		ug/kg	3.0	0.16	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.6	1.5	1
Hexachlorobutadiene	ND		ug/kg	6.1	0.26	1
Isopropylbenzene	ND		ug/kg	1.5	0.17	1
p-Isopropyltoluene	ND		ug/kg	1.5	0.17	1
Naphthalene	1.3	J	ug/kg	6.1	0.99	1
Acrylonitrile	ND		ug/kg	6.1	1.8	1

**Project Name:** 266-270 WEST 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047390  
**Report Date:** 11/16/20

**SAMPLE RESULTS**

**Lab ID:** L2047390-03  
**Client ID:** SB-17\_0-2  
**Sample Location:** NEW YORK, NY

**Date Collected:** 10/29/20 14:20  
**Date Received:** 10/29/20  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.5	0.26	1
1,2,3-Trichlorobenzene	ND		ug/kg	3.0	0.49	1
1,2,4-Trichlorobenzene	ND		ug/kg	3.0	0.41	1
1,3,5-Trimethylbenzene	ND		ug/kg	3.0	0.29	1
1,2,4-Trimethylbenzene	ND		ug/kg	3.0	0.51	1
1,4-Dioxane	ND		ug/kg	120	53.	1
p-Diethylbenzene	ND		ug/kg	3.0	0.27	1
p-Ethyltoluene	ND		ug/kg	3.0	0.58	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	3.0	0.29	1
Ethyl ether	ND		ug/kg	3.0	0.52	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	7.6	2.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	106		70-130

**Project Name:** 266-270 WEST 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047390  
**Report Date:** 11/16/20

**SAMPLE RESULTS**

**Lab ID:** L2047390-04  
**Client ID:** SBTB01\_10292020  
**Sample Location:** NEW YORK, NY

**Date Collected:** 10/29/20 00:00  
**Date Received:** 10/29/20  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Trip Blank (Aqueous)  
**Analytical Method:** 1,8260C  
**Analytical Date:** 11/02/20 13:47  
**Analyst:** AJK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1



**Project Name:** 266-270 WEST 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047390  
**Report Date:** 11/16/20

**SAMPLE RESULTS**

**Lab ID:** L2047390-04  
**Client ID:** SBTB01\_10292020  
**Sample Location:** NEW YORK, NY

**Date Collected:** 10/29/20 00:00  
**Date Received:** 10/29/20  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

**Project Name:** 266-270 WEST 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047390  
**Report Date:** 11/16/20

**SAMPLE RESULTS**

**Lab ID:** L2047390-04  
**Client ID:** SBTB01\_10292020  
**Sample Location:** NEW YORK, NY

**Date Collected:** 10/29/20 00:00  
**Date Received:** 10/29/20  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	100		70-130

**Project Name:** 266-270 WEST 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047390  
**Report Date:** 11/16/20

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260C  
Analytical Date: 11/02/20 08:44  
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-03 Batch: WG1429273-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
1,1-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14

**Project Name:** 266-270 WEST 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047390  
**Report Date:** 11/16/20

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260C  
Analytical Date: 11/02/20 08:44  
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-03 Batch: WG1429273-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	2.0	0.24
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
o-Chlorotoluene	ND		ug/kg	2.0	0.19

**Project Name:** 266-270 WEST 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047390  
**Report Date:** 11/16/20

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 1,8260C  
Analytical Date: 11/02/20 08:44  
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-03 Batch: WG1429273-5					
p-Chlorotoluene	ND		ug/kg	2.0	0.11
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	ND		ug/kg	4.0	0.17
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
Acrylonitrile	ND		ug/kg	4.0	1.2
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
1,4-Dioxane	ND		ug/kg	80	35.
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	102		70-130

**Project Name:** 266-270 WEST 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047390  
**Report Date:** 11/16/20

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260C  
Analytical Date: 11/02/20 13:03  
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04 Batch: WG1429530-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18

**Project Name:** 266-270 WEST 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047390  
**Report Date:** 11/16/20

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260C  
Analytical Date: 11/02/20 13:03  
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04 Batch: WG1429530-5					
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70

**Project Name:** 266-270 WEST 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047390  
**Report Date:** 11/16/20

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 1,8260C  
Analytical Date: 11/02/20 13:03  
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04 Batch: WG1429530-5					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	61.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	101		70-130



## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 266-270 WEST 96TH ST

Lab Number: L2047390

Project Number: 170432001

Report Date: 11/16/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-03 Batch: WG1429273-3 WG1429273-4								
Methylene chloride	89		83		70-130	7		30
1,1-Dichloroethane	96		88		70-130	9		30
Chloroform	104		96		70-130	8		30
Carbon tetrachloride	112		97		70-130	14		30
1,2-Dichloropropane	99		94		70-130	5		30
Dibromochloromethane	93		90		70-130	3		30
1,1,2-Trichloroethane	99		94		70-130	5		30
Tetrachloroethene	101		91		70-130	10		30
Chlorobenzene	102		95		70-130	7		30
Trichlorofluoromethane	64	Q	53	Q	70-139	19		30
1,2-Dichloroethane	111		106		70-130	5		30
1,1,1-Trichloroethane	110		100		70-130	10		30
Bromodichloromethane	119		112		70-130	6		30
trans-1,3-Dichloropropene	105		100		70-130	5		30
cis-1,3-Dichloropropene	112		106		70-130	6		30
1,1-Dichloropropene	103		93		70-130	10		30
Bromoform	89		86		70-130	3		30
1,1,2,2-Tetrachloroethane	99		95		70-130	4		30
Benzene	98		90		70-130	9		30
Toluene	94		88		70-130	7		30
Ethylbenzene	98		90		70-130	9		30
Chloromethane	72		70		52-130	3		30
Bromomethane	89		92		57-147	3		30

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 266-270 WEST 96TH ST

Lab Number: L2047390

Project Number: 170432001

Report Date: 11/16/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-03 Batch: WG1429273-3 WG1429273-4								
Vinyl chloride	98		88		67-130	11		30
Chloroethane	142		132		50-151	7		30
1,1-Dichloroethene	89		80		65-135	11		30
trans-1,2-Dichloroethene	96		87		70-130	10		30
Trichloroethene	106		94		70-130	12		30
1,2-Dichlorobenzene	101		96		70-130	5		30
1,3-Dichlorobenzene	102		96		70-130	6		30
1,4-Dichlorobenzene	99		92		70-130	7		30
Methyl tert butyl ether	98		96		66-130	2		30
p/m-Xylene	105		96		70-130	9		30
o-Xylene	105		97		70-130	8		30
cis-1,2-Dichloroethene	100		91		70-130	9		30
Dibromomethane	107		104		70-130	3		30
Styrene	112		103		70-130	8		30
Dichlorodifluoromethane	65		57		30-146	13		30
Acetone	79		74		54-140	7		30
Carbon disulfide	81		72		59-130	12		30
2-Butanone	95		80		70-130	17		30
Vinyl acetate	88		87		70-130	1		30
4-Methyl-2-pentanone	93		89		70-130	4		30
1,2,3-Trichloropropane	93		92		68-130	1		30
2-Hexanone	92		89		70-130	3		30
Bromochloromethane	101		93		70-130	8		30

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 266-270 WEST 96TH ST

Lab Number: L2047390

Project Number: 170432001

Report Date: 11/16/20

Parameter	LCS		LCSD		%Recovery		RPD	RPD	
	%Recovery	Qual	%Recovery	Qual	Limits	Qual		Limits	
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-03 Batch: WG1429273-3 WG1429273-4									
2,2-Dichloropropane	104		94		70-130		10		30
1,2-Dibromoethane	102		98		70-130		4		30
1,3-Dichloropropane	97		94		69-130		3		30
1,1,1,2-Tetrachloroethane	112		107		70-130		5		30
Bromobenzene	96		91		70-130		5		30
n-Butylbenzene	98		89		70-130		10		30
sec-Butylbenzene	101		92		70-130		9		30
tert-Butylbenzene	101		92		70-130		9		30
o-Chlorotoluene	98		89		70-130		10		30
p-Chlorotoluene	98		91		70-130		7		30
1,2-Dibromo-3-chloropropane	86		85		68-130		1		30
Hexachlorobutadiene	94		86		67-130		9		30
Isopropylbenzene	97		90		70-130		7		30
p-Isopropyltoluene	101		92		70-130		9		30
Naphthalene	94		90		70-130		4		30
Acrylonitrile	81		81		70-130		0		30
n-Propylbenzene	95		86		70-130		10		30
1,2,3-Trichlorobenzene	90		88		70-130		2		30
1,2,4-Trichlorobenzene	94		88		70-130		7		30
1,3,5-Trimethylbenzene	100		92		70-130		8		30
1,2,4-Trimethylbenzene	102		94		70-130		8		30
1,4-Dioxane	108		102		65-136		6		30
p-Diethylbenzene	101		92		70-130		9		30

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 266-270 WEST 96TH ST

Project Number: 170432001

Lab Number: L2047390

Report Date: 11/16/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-03 Batch: WG1429273-3 WG1429273-4								
p-Ethyltoluene	100		91		70-130	9		30
1,2,4,5-Tetramethylbenzene	98		90		70-130	9		30
Ethyl ether	88		88		67-130	0		30
trans-1,4-Dichloro-2-butene	100		97		70-130	3		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	107		104		70-130
Toluene-d8	93		94		70-130
4-Bromofluorobenzene	96		99		70-130
Dibromofluoromethane	101		104		70-130

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 266-270 WEST 96TH ST

Lab Number: L2047390

Project Number: 170432001

Report Date: 11/16/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04 Batch: WG1429530-3 WG1429530-4								
Methylene chloride	97		93		70-130	4		20
1,1-Dichloroethane	98		100		70-130	2		20
Chloroform	97		99		70-130	2		20
Carbon tetrachloride	95		91		63-132	4		20
1,2-Dichloropropane	100		93		70-130	7		20
Dibromochloromethane	87		86		63-130	1		20
1,1,2-Trichloroethane	100		92		70-130	8		20
Tetrachloroethene	71		65	Q	70-130	9		20
Chlorobenzene	100		98		75-130	2		20
Trichlorofluoromethane	100		100		62-150	0		20
1,2-Dichloroethane	100		95		70-130	5		20
1,1,1-Trichloroethane	96		95		67-130	1		20
Bromodichloromethane	95		88		67-130	8		20
trans-1,3-Dichloropropene	86		80		70-130	7		20
cis-1,3-Dichloropropene	89		86		70-130	3		20
1,1-Dichloropropene	99		96		70-130	3		20
Bromoform	77		74		54-136	4		20
1,1,2,2-Tetrachloroethane	93		90		67-130	3		20
Benzene	100		95		70-130	5		20
Toluene	100		98		70-130	2		20
Ethylbenzene	110		98		70-130	12		20
Chloromethane	87		80		64-130	8		20
Bromomethane	100		100		39-139	0		20

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 266-270 WEST 96TH ST

Lab Number: L2047390

Project Number: 170432001

Report Date: 11/16/20

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04 Batch: WG1429530-3 WG1429530-4								
Vinyl chloride	92		96		55-140	4		20
Chloroethane	100		120		55-138	18		20
1,1-Dichloroethene	94		86		61-145	9		20
trans-1,2-Dichloroethene	96		94		70-130	2		20
Trichloroethene	100		96		70-130	4		20
1,2-Dichlorobenzene	100		100		70-130	0		20
1,3-Dichlorobenzene	110		100		70-130	10		20
1,4-Dichlorobenzene	110		99		70-130	11		20
Methyl tert butyl ether	86		89		63-130	3		20
p/m-Xylene	110		100		70-130	10		20
o-Xylene	110		100		70-130	10		20
cis-1,2-Dichloroethene	99		99		70-130	0		20
Dibromomethane	95		91		70-130	4		20
1,2,3-Trichloropropane	92		86		64-130	7		20
Acrylonitrile	74		80		70-130	8		20
Styrene	110		100		70-130	10		20
Dichlorodifluoromethane	78		72		36-147	8		20
Acetone	90		95		58-148	5		20
Carbon disulfide	92		89		51-130	3		20
2-Butanone	69		71		63-138	3		20
Vinyl acetate	110		120		70-130	9		20
4-Methyl-2-pentanone	72		68		59-130	6		20
2-Hexanone	68		67		57-130	1		20

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 266-270 WEST 96TH ST

Lab Number: L2047390

Project Number: 170432001

Report Date: 11/16/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04 Batch: WG1429530-3 WG1429530-4								
Bromochloromethane	93		94		70-130	1		20
2,2-Dichloropropane	87		87		63-133	0		20
1,2-Dibromoethane	92		90		70-130	2		20
1,3-Dichloropropane	98		92		70-130	6		20
1,1,1,2-Tetrachloroethane	100		95		64-130	5		20
Bromobenzene	99		97		70-130	2		20
n-Butylbenzene	110		100		53-136	10		20
sec-Butylbenzene	120		100		70-130	18		20
tert-Butylbenzene	100		91		70-130	9		20
o-Chlorotoluene	110		99		70-130	11		20
p-Chlorotoluene	110		97		70-130	13		20
1,2-Dibromo-3-chloropropane	71		71		41-144	0		20
Hexachlorobutadiene	96		90		63-130	6		20
Isopropylbenzene	100		97		70-130	3		20
p-Isopropyltoluene	110		100		70-130	10		20
Naphthalene	80		76		70-130	5		20
n-Propylbenzene	110		99		69-130	11		20
1,2,3-Trichlorobenzene	92		86		70-130	7		20
1,2,4-Trichlorobenzene	95		86		70-130	10		20
1,3,5-Trimethylbenzene	110		99		64-130	11		20
1,2,4-Trimethylbenzene	110		99		70-130	11		20
1,4-Dioxane	80		84		56-162	5		20
p-Diethylbenzene	110		98		70-130	12		20

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 266-270 WEST 96TH ST

Project Number: 170432001

Lab Number: L2047390

Report Date: 11/16/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04 Batch: WG1429530-3 WG1429530-4								
p-Ethyltoluene	110		99		70-130	11		20
1,2,4,5-Tetramethylbenzene	100		91		70-130	9		20
Ethyl ether	86		89		59-134	3		20
trans-1,4-Dichloro-2-butene	76		68	Q	70-130	11		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	96		98		70-130
Toluene-d8	100		100		70-130
4-Bromofluorobenzene	90		95		70-130
Dibromofluoromethane	94		96		70-130



# SEMIVOLATILES

**Project Name:** 266-270 WEST 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047390  
**Report Date:** 11/16/20

**SAMPLE RESULTS**

Lab ID: L2047390-01  
 Client ID: SB-15\_0-2  
 Sample Location: NEW YORK, NY

Date Collected: 10/29/20 12:00  
 Date Received: 10/29/20  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270D  
 Analytical Date: 11/02/20 06:34  
 Analyst: SZ  
 Percent Solids: 89%

Extraction Method: EPA 3546  
 Extraction Date: 10/31/20 10:49

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Acenaphthene	2400		ug/kg	150	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	21.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	25.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	33.	1
1,3-Dichlorobenzene	ND		ug/kg	180	32.	1
1,4-Dichlorobenzene	ND		ug/kg	180	32.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	49.	1
2,4-Dinitrotoluene	ND		ug/kg	180	37.	1
2,6-Dinitrotoluene	ND		ug/kg	180	32.	1
Fluoranthene	11000	E	ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	32.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	18.	1
Hexachlorobutadiene	ND		ug/kg	180	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	530	170	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	170	24.	1
Naphthalene	4900		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	170	27.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	64.	1
Butyl benzyl phthalate	ND		ug/kg	180	47.	1
Di-n-butylphthalate	ND		ug/kg	180	35.	1
Di-n-octylphthalate	ND		ug/kg	180	63.	1

**Project Name:** 266-270 WEST 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047390  
**Report Date:** 11/16/20

**SAMPLE RESULTS**

Lab ID: L2047390-01  
 Client ID: SB-15\_0-2  
 Sample Location: NEW YORK, NY

Date Collected: 10/29/20 12:00  
 Date Received: 10/29/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	39.	1
Benzo(a)anthracene	4900		ug/kg	110	21.	1
Benzo(a)pyrene	5600		ug/kg	150	45.	1
Benzo(b)fluoranthene	4800		ug/kg	110	31.	1
Benzo(k)fluoranthene	1500		ug/kg	110	30.	1
Chrysene	4500		ug/kg	110	19.	1
Acenaphthylene	200		ug/kg	150	28.	1
Anthracene	4800		ug/kg	110	36.	1
Benzo(ghi)perylene	2600		ug/kg	150	22.	1
Fluorene	2700		ug/kg	180	18.	1
Phenanthrene	16000	E	ug/kg	110	22.	1
Dibenzo(a,h)anthracene	500		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	2500		ug/kg	150	26.	1
Pyrene	13000	E	ug/kg	110	18.	1
Biphenyl	490		ug/kg	420	43.	1
4-Chloroaniline	ND		ug/kg	180	34.	1
2-Nitroaniline	ND		ug/kg	180	36.	1
3-Nitroaniline	ND		ug/kg	180	35.	1
4-Nitroaniline	ND		ug/kg	180	76.	1
Dibenzofuran	900		ug/kg	180	18.	1
2-Methylnaphthalene	2000		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
p-Chloro-m-cresol	ND		ug/kg	180	28.	1
2-Chlorophenol	ND		ug/kg	180	22.	1
2,4-Dichlorophenol	ND		ug/kg	170	30.	1
2,4-Dimethylphenol	ND		ug/kg	180	61.	1
2-Nitrophenol	ND		ug/kg	400	70.	1
4-Nitrophenol	ND		ug/kg	260	75.	1
2,4-Dinitrophenol	ND		ug/kg	890	86.	1
4,6-Dinitro-o-cresol	ND		ug/kg	480	89.	1
Pentachlorophenol	ND		ug/kg	150	41.	1
Phenol	ND		ug/kg	180	28.	1
2-Methylphenol	ND		ug/kg	180	29.	1
3-Methylphenol/4-Methylphenol	44	J	ug/kg	270	29.	1

**Project Name:** 266-270 WEST 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047390  
**Report Date:** 11/16/20

**SAMPLE RESULTS**

Lab ID: L2047390-01  
 Client ID: SB-15\_0-2  
 Sample Location: NEW YORK, NY

Date Collected: 10/29/20 12:00  
 Date Received: 10/29/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
2,4,5-Trichlorophenol	ND		ug/kg	180	35.	1
Benzoic Acid	ND		ug/kg	600	190	1
Benzyl Alcohol	ND		ug/kg	180	57.	1
Carbazole	1000		ug/kg	180	18.	1
1,4-Dioxane	ND		ug/kg	28	8.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	68		25-120
Phenol-d6	73		10-120
Nitrobenzene-d5	72		23-120
2-Fluorobiphenyl	71		30-120
2,4,6-Tribromophenol	87		10-136
4-Terphenyl-d14	72		18-120

**Project Name:** 266-270 WEST 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047390  
**Report Date:** 11/16/20

**SAMPLE RESULTS**

**Lab ID:** L2047390-01  
**Client ID:** SB-15\_0-2  
**Sample Location:** NEW YORK, NY

**Date Collected:** 10/29/20 12:00  
**Date Received:** 10/29/20  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 11/05/20 11:51  
**Analyst:** SG  
**Percent Solids:** 89%

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 11/04/20 10:21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab</b>						
Perfluorobutanoic Acid (PFBA)	ND		ug/kg	0.494	0.022	1
Perfluoropentanoic Acid (PFPeA)	0.060	J	ug/kg	0.494	0.046	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ug/kg	0.494	0.039	1
Perfluorohexanoic Acid (PFHxA)	0.077	J	ug/kg	0.494	0.052	1
Perfluoroheptanoic Acid (PFHpA)	ND		ug/kg	0.494	0.045	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ug/kg	0.494	0.060	1
Perfluorooctanoic Acid (PFOA)	0.170	JF	ug/kg	0.494	0.041	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ug/kg	0.494	0.178	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ug/kg	0.494	0.135	1
Perfluorononanoic Acid (PFNA)	ND		ug/kg	0.494	0.074	1
Perfluorooctanesulfonic Acid (PFOS)	0.161	JF	ug/kg	0.494	0.128	1
Perfluorodecanoic Acid (PFDA)	ND		ug/kg	0.494	0.066	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ug/kg	0.494	0.284	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ug/kg	0.494	0.199	1
Perfluoroundecanoic Acid (PFUnA)	ND		ug/kg	0.494	0.046	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ug/kg	0.494	0.151	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ug/kg	0.494	0.084	1
Perfluorododecanoic Acid (PFDoA)	ND		ug/kg	0.494	0.069	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ug/kg	0.494	0.202	1
Perfluorotetradecanoic Acid (PFTa)	ND		ug/kg	0.494	0.053	1
PFOA/PFOS, Total	0.331	J	ug/kg	0.494	0.041	1

**Project Name:** 266-270 WEST 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047390  
**Report Date:** 11/16/20

**SAMPLE RESULTS**

Lab ID: L2047390-01  
 Client ID: SB-15\_0-2  
 Sample Location: NEW YORK, NY

Date Collected: 10/29/20 12:00  
 Date Received: 10/29/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	86		60-153
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	86		65-182
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	87		70-151
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	83		61-147
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	86		62-149
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	96		63-166
Perfluoro[13C8]Octanoic Acid (M8PFOA)	86		62-152
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	71		32-182
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	79		61-154
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	87		65-151
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	85		65-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	86		25-186
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	59		45-137
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	96		64-158
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	57		42-136
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	85		56-148
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	64		26-160

**Project Name:** 266-270 WEST 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047390  
**Report Date:** 11/16/20

**SAMPLE RESULTS**

Lab ID: L2047390-01  
 Client ID: SB-15\_0-2  
 Sample Location: NEW YORK, NY

Date Collected: 10/29/20 12:00  
 Date Received: 10/29/20  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 134,LCMSMS-ID  
 Analytical Date: 11/11/20 11:30  
 Analyst: RS  
 Percent Solids: 89%

Extraction Method: ALPHA 23528  
 Extraction Date: 11/04/20 10:21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab</b>						
Perfluorooctanesulfonamide (FOSA)	ND		ug/kg	0.494	0.097	1
<b>Surrogate (Extracted Internal Standard)</b>			<b>% Recovery</b>	<b>Qualifier</b>	<b>Acceptance Criteria</b>	
Perfluoro[13C8]Octanesulfonamide (M8FOSA)			105		1-125	

**Project Name:** 266-270 WEST 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047390  
**Report Date:** 11/16/20

**SAMPLE RESULTS**

Lab ID: L2047390-01 D  
 Client ID: SB-15\_0-2  
 Sample Location: NEW YORK, NY

Date Collected: 10/29/20 12:00  
 Date Received: 10/29/20  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270D  
 Analytical Date: 11/03/20 20:04  
 Analyst: SZ  
 Percent Solids: 89%

Extraction Method: EPA 3546  
 Extraction Date: 10/31/20 10:49

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Fluoranthene	11000		ug/kg	560	110	5
Phenanthrene	18000		ug/kg	560	110	5
Pyrene	13000		ug/kg	560	92.	5



**Project Name:** 266-270 WEST 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047390  
**Report Date:** 11/16/20

**SAMPLE RESULTS**

Lab ID: L2047390-02  
 Client ID: SB-15\_2.5-4.5  
 Sample Location: NEW YORK, NY

Date Collected: 10/29/20 12:45  
 Date Received: 10/29/20  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270D  
 Analytical Date: 11/02/20 04:32  
 Analyst: SZ  
 Percent Solids: 89%

Extraction Method: EPA 3546  
 Extraction Date: 10/31/20 10:49

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Acenaphthene	24	J	ug/kg	150	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	21.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	25.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	33.	1
1,3-Dichlorobenzene	ND		ug/kg	180	32.	1
1,4-Dichlorobenzene	ND		ug/kg	180	32.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	49.	1
2,4-Dinitrotoluene	ND		ug/kg	180	37.	1
2,6-Dinitrotoluene	ND		ug/kg	180	32.	1
Fluoranthene	150		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	32.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	18.	1
Hexachlorobutadiene	ND		ug/kg	180	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	530	170	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	170	24.	1
Naphthalene	70	J	ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	170	27.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	29.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	64.	1
Butyl benzyl phthalate	ND		ug/kg	180	47.	1
Di-n-butylphthalate	ND		ug/kg	180	35.	1
Di-n-octylphthalate	ND		ug/kg	180	63.	1

**Project Name:** 266-270 WEST 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047390  
**Report Date:** 11/16/20

**SAMPLE RESULTS**

Lab ID: L2047390-02  
 Client ID: SB-15\_2.5-4.5  
 Sample Location: NEW YORK, NY

Date Collected: 10/29/20 12:45  
 Date Received: 10/29/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	39.	1
Benzo(a)anthracene	62	J	ug/kg	110	21.	1
Benzo(a)pyrene	70	J	ug/kg	150	45.	1
Benzo(b)fluoranthene	73	J	ug/kg	110	31.	1
Benzo(k)fluoranthene	ND		ug/kg	110	30.	1
Chrysene	60	J	ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	150	29.	1
Anthracene	44	J	ug/kg	110	36.	1
Benzo(ghi)perylene	35	J	ug/kg	150	22.	1
Fluorene	24	J	ug/kg	180	18.	1
Phenanthrene	190		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	37	J	ug/kg	150	26.	1
Pyrene	160		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	420	43.	1
4-Chloroaniline	ND		ug/kg	180	34.	1
2-Nitroaniline	ND		ug/kg	180	36.	1
3-Nitroaniline	ND		ug/kg	180	35.	1
4-Nitroaniline	ND		ug/kg	180	77.	1
Dibenzofuran	ND		ug/kg	180	18.	1
2-Methylnaphthalene	22	J	ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
p-Chloro-m-cresol	ND		ug/kg	180	28.	1
2-Chlorophenol	ND		ug/kg	180	22.	1
2,4-Dichlorophenol	ND		ug/kg	170	30.	1
2,4-Dimethylphenol	ND		ug/kg	180	61.	1
2-Nitrophenol	ND		ug/kg	400	70.	1
4-Nitrophenol	ND		ug/kg	260	76.	1
2,4-Dinitrophenol	ND		ug/kg	890	86.	1
4,6-Dinitro-o-cresol	ND		ug/kg	480	89.	1
Pentachlorophenol	ND		ug/kg	150	41.	1
Phenol	ND		ug/kg	180	28.	1
2-Methylphenol	ND		ug/kg	180	29.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	29.	1

**Project Name:** 266-270 WEST 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047390  
**Report Date:** 11/16/20

**SAMPLE RESULTS**

Lab ID: L2047390-02  
 Client ID: SB-15\_2.5-4.5  
 Sample Location: NEW YORK, NY

Date Collected: 10/29/20 12:45  
 Date Received: 10/29/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	36.	1
Benzoic Acid	ND		ug/kg	600	190	1
Benzyl Alcohol	ND		ug/kg	180	57.	1
Carbazole	ND		ug/kg	180	18.	1
1,4-Dioxane	ND		ug/kg	28	8.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	76		25-120
Phenol-d6	76		10-120
Nitrobenzene-d5	73		23-120
2-Fluorobiphenyl	79		30-120
2,4,6-Tribromophenol	97		10-136
4-Terphenyl-d14	78		18-120

**Project Name:** 266-270 WEST 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047390  
**Report Date:** 11/16/20

**SAMPLE RESULTS**

Lab ID: L2047390-02  
 Client ID: SB-15\_2.5-4.5  
 Sample Location: NEW YORK, NY

Date Collected: 10/29/20 12:45  
 Date Received: 10/29/20  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 134,LCMSMS-ID  
 Analytical Date: 11/06/20 00:51  
 Analyst: SG  
 Percent Solids: 89%

Extraction Method: ALPHA 23528  
 Extraction Date: 11/04/20 14:22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab</b>						
Perfluorobutanoic Acid (PFBA)	ND		ug/kg	0.495	0.023	1
Perfluoropentanoic Acid (PFPeA)	ND		ug/kg	0.495	0.046	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ug/kg	0.495	0.039	1
Perfluorohexanoic Acid (PFHxA)	0.061	JF	ug/kg	0.495	0.052	1
Perfluoroheptanoic Acid (PFHpA)	ND		ug/kg	0.495	0.045	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ug/kg	0.495	0.060	1
Perfluorooctanoic Acid (PFOA)	0.070	JF	ug/kg	0.495	0.042	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ug/kg	0.495	0.178	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ug/kg	0.495	0.135	1
Perfluorononanoic Acid (PFNA)	ND		ug/kg	0.495	0.074	1
Perfluorooctanesulfonic Acid (PFOS)	0.484	JF	ug/kg	0.495	0.129	1
Perfluorodecanoic Acid (PFDA)	ND		ug/kg	0.495	0.066	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ug/kg	0.495	0.284	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ug/kg	0.495	0.199	1
Perfluoroundecanoic Acid (PFUnA)	ND		ug/kg	0.495	0.046	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ug/kg	0.495	0.151	1
Perfluorooctanesulfonamide (FOSA)	ND		ug/kg	0.495	0.097	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ug/kg	0.495	0.084	1
Perfluorododecanoic Acid (PFDoA)	ND		ug/kg	0.495	0.069	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ug/kg	0.495	0.202	1
Perfluorotetradecanoic Acid (PFTA)	ND		ug/kg	0.495	0.053	1
PFOA/PFOS, Total	0.554	J	ug/kg	0.495	0.042	1

**Project Name:** 266-270 WEST 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047390  
**Report Date:** 11/16/20

**SAMPLE RESULTS**

Lab ID: L2047390-02  
 Client ID: SB-15\_2.5-4.5  
 Sample Location: NEW YORK, NY

Date Collected: 10/29/20 12:45  
 Date Received: 10/29/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	78		60-153
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	78		65-182
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	81		70-151
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	77		61-147
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	79		62-149
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	89		63-166
Perfluoro[13C8]Octanoic Acid (M8PFOA)	78		62-152
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	61		32-182
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	72		61-154
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	83		65-151
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	78		65-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	76		25-186
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	43	Q	45-137
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	84		64-158
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	16		1-125
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	45		42-136
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	72		56-148
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	49		26-160

**Project Name:** 266-270 WEST 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047390  
**Report Date:** 11/16/20

**SAMPLE RESULTS**

Lab ID: L2047390-03  
 Client ID: SB-17\_0-2  
 Sample Location: NEW YORK, NY

Date Collected: 10/29/20 14:20  
 Date Received: 10/29/20  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270D  
 Analytical Date: 11/02/20 06:58  
 Analyst: SZ  
 Percent Solids: 83%

Extraction Method: EPA 3546  
 Extraction Date: 10/31/20 10:49

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Acenaphthene	2200		ug/kg	160	20.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	23.	1
Hexachlorobenzene	ND		ug/kg	120	22.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	27.	1
2-Chloronaphthalene	ND		ug/kg	200	20.	1
1,2-Dichlorobenzene	ND		ug/kg	200	36.	1
1,3-Dichlorobenzene	ND		ug/kg	200	34.	1
1,4-Dichlorobenzene	ND		ug/kg	200	34.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	52.	1
2,4-Dinitrotoluene	ND		ug/kg	200	40.	1
2,6-Dinitrotoluene	ND		ug/kg	200	34.	1
Fluoranthene	9300	E	ug/kg	120	23.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	21.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	30.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	34.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	20.	1
Hexachlorobutadiene	ND		ug/kg	200	29.	1
Hexachlorocyclopentadiene	ND		ug/kg	560	180	1
Hexachloroethane	ND		ug/kg	160	32.	1
Isophorone	ND		ug/kg	180	26.	1
Naphthalene	5200		ug/kg	200	24.	1
Nitrobenzene	ND		ug/kg	180	29.	1
NDPA/DPA	ND		ug/kg	160	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	30.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	200	68.	1
Butyl benzyl phthalate	ND		ug/kg	200	50.	1
Di-n-butylphthalate	ND		ug/kg	200	37.	1
Di-n-octylphthalate	ND		ug/kg	200	67.	1

**Project Name:** 266-270 WEST 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047390  
**Report Date:** 11/16/20

**SAMPLE RESULTS**

**Lab ID:** L2047390-03  
**Client ID:** SB-17\_0-2  
**Sample Location:** NEW YORK, NY

**Date Collected:** 10/29/20 14:20  
**Date Received:** 10/29/20  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Diethyl phthalate	ND		ug/kg	200	18.	1
Dimethyl phthalate	ND		ug/kg	200	42.	1
Benzo(a)anthracene	3900		ug/kg	120	22.	1
Benzo(a)pyrene	4200		ug/kg	160	48.	1
Benzo(b)fluoranthene	3400		ug/kg	120	33.	1
Benzo(k)fluoranthene	1100		ug/kg	120	32.	1
Chrysene	3400		ug/kg	120	20.	1
Acenaphthylene	150	J	ug/kg	160	30.	1
Anthracene	4200		ug/kg	120	38.	1
Benzo(ghi)perylene	1900		ug/kg	160	23.	1
Fluorene	2500		ug/kg	200	19.	1
Phenanthrene	15000	E	ug/kg	120	24.	1
Dibenzo(a,h)anthracene	370		ug/kg	120	23.	1
Indeno(1,2,3-cd)pyrene	1800		ug/kg	160	28.	1
Pyrene	11000	E	ug/kg	120	20.	1
Biphenyl	470		ug/kg	450	46.	1
4-Chloroaniline	ND		ug/kg	200	36.	1
2-Nitroaniline	ND		ug/kg	200	38.	1
3-Nitroaniline	ND		ug/kg	200	37.	1
4-Nitroaniline	ND		ug/kg	200	82.	1
Dibenzofuran	810		ug/kg	200	19.	1
2-Methylnaphthalene	1900		ug/kg	240	24.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	21.	1
Acetophenone	ND		ug/kg	200	24.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	37.	1
p-Chloro-m-cresol	ND		ug/kg	200	29.	1
2-Chlorophenol	ND		ug/kg	200	23.	1
2,4-Dichlorophenol	ND		ug/kg	180	32.	1
2,4-Dimethylphenol	ND		ug/kg	200	65.	1
2-Nitrophenol	ND		ug/kg	430	74.	1
4-Nitrophenol	ND		ug/kg	280	81.	1
2,4-Dinitrophenol	ND		ug/kg	950	92.	1
4,6-Dinitro-o-cresol	ND		ug/kg	510	95.	1
Pentachlorophenol	ND		ug/kg	160	44.	1
Phenol	590		ug/kg	200	30.	1
2-Methylphenol	87	J	ug/kg	200	31.	1
3-Methylphenol/4-Methylphenol	680		ug/kg	280	31.	1

**Project Name:** 266-270 WEST 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047390  
**Report Date:** 11/16/20

**SAMPLE RESULTS**

Lab ID: L2047390-03  
 Client ID: SB-17\_0-2  
 Sample Location: NEW YORK, NY

Date Collected: 10/29/20 14:20  
 Date Received: 10/29/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	200	38.	1
Benzoic Acid	ND		ug/kg	640	200	1
Benzyl Alcohol	ND		ug/kg	200	60.	1
Carbazole	900		ug/kg	200	19.	1
1,4-Dioxane	ND		ug/kg	30	9.1	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	64		25-120
Phenol-d6	75		10-120
Nitrobenzene-d5	78		23-120
2-Fluorobiphenyl	75		30-120
2,4,6-Tribromophenol	75		10-136
4-Terphenyl-d14	73		18-120



**Project Name:** 266-270 WEST 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047390  
**Report Date:** 11/16/20

**SAMPLE RESULTS**

**Lab ID:** L2047390-03  
**Client ID:** SB-17\_0-2  
**Sample Location:** NEW YORK, NY

**Date Collected:** 10/29/20 14:20  
**Date Received:** 10/29/20  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 11/06/20 01:24  
**Analyst:** SG  
**Percent Solids:** 83%

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 11/04/20 14:22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab</b>						
Perfluorobutanoic Acid (PFBA)	ND		ug/kg	0.537	0.024	1
Perfluoropentanoic Acid (PFPeA)	0.091	J	ug/kg	0.537	0.049	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ug/kg	0.537	0.042	1
Perfluorohexanoic Acid (PFHxA)	0.107	J	ug/kg	0.537	0.056	1
Perfluoroheptanoic Acid (PFHpA)	ND		ug/kg	0.537	0.048	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ug/kg	0.537	0.065	1
Perfluorooctanoic Acid (PFOA)	0.229	JF	ug/kg	0.537	0.045	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ug/kg	0.537	0.193	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ug/kg	0.537	0.147	1
Perfluorononanoic Acid (PFNA)	ND		ug/kg	0.537	0.081	1
Perfluorooctanesulfonic Acid (PFOS)	0.290	JF	ug/kg	0.537	0.140	1
Perfluorodecanoic Acid (PFDA)	ND		ug/kg	0.537	0.072	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ug/kg	0.537	0.308	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ug/kg	0.537	0.216	1
Perfluoroundecanoic Acid (PFUnA)	0.269	J	ug/kg	0.537	0.050	1
Perfluorodecanesulfonic Acid (PFDS)	0.192	J	ug/kg	0.537	0.164	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ug/kg	0.537	0.091	1
Perfluorododecanoic Acid (PFDoA)	ND		ug/kg	0.537	0.075	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ug/kg	0.537	0.220	1
Perfluorotetradecanoic Acid (PFTA)	ND		ug/kg	0.537	0.058	1
PFOA/PFOS, Total	0.519	J	ug/kg	0.537	0.045	1

**Project Name:** 266-270 WEST 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047390  
**Report Date:** 11/16/20

**SAMPLE RESULTS**

**Lab ID:** L2047390-03  
**Client ID:** SB-17\_0-2  
**Sample Location:** NEW YORK, NY

**Date Collected:** 10/29/20 14:20  
**Date Received:** 10/29/20  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	82		60-153
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	83		65-182
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	88		70-151
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	81		61-147
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	83		62-149
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	94		63-166
Perfluoro[13C8]Octanoic Acid (M8PFOA)	83		62-152
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	70		32-182
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	76		61-154
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	90		65-151
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	82		65-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	94		25-186
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	54		45-137
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	90		64-158
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	57		42-136
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	79		56-148
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	61		26-160

**Project Name:** 266-270 WEST 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047390  
**Report Date:** 11/16/20

**SAMPLE RESULTS**

Lab ID: L2047390-03 R  
 Client ID: SB-17\_0-2  
 Sample Location: NEW YORK, NY

Date Collected: 10/29/20 14:20  
 Date Received: 10/29/20  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 134,LCMSMS-ID  
 Analytical Date: 11/12/20 20:26  
 Analyst: RS  
 Percent Solids: 83%

Extraction Method: ALPHA 23528  
 Extraction Date: 11/04/20 14:22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
-----------	--------	-----------	-------	----	-----	-----------------

## Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab

Perfluorooctanesulfonamide (FOSA)	ND		ug/kg	0.537	0.105	1
-----------------------------------	----	--	-------	-------	-------	---

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
---	------------	-----------	---------------------

Perfluoro[13C8]Octanesulfonamide (M8FOSA)	83		1-125
---	----	--	-------

**Project Name:** 266-270 WEST 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047390  
**Report Date:** 11/16/20

**SAMPLE RESULTS**

Lab ID: L2047390-03 D  
 Client ID: SB-17\_0-2  
 Sample Location: NEW YORK, NY

Date Collected: 10/29/20 14:20  
 Date Received: 10/29/20  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270D  
 Analytical Date: 11/03/20 20:27  
 Analyst: SZ  
 Percent Solids: 83%

Extraction Method: EPA 3546  
 Extraction Date: 10/31/20 10:49

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Fluoranthene	8900		ug/kg	590	110	5
Phenanthrene	16000		ug/kg	590	120	5
Pyrene	11000		ug/kg	590	98.	5

**Project Name:** 266-270 WEST 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047390  
**Report Date:** 11/16/20

**SAMPLE RESULTS**

**Lab ID:** L2047390-05  
**Client ID:** SBEB01\_10292020  
**Sample Location:** NEW YORK, NY

**Date Collected:** 10/29/20 15:05  
**Date Received:** 10/29/20  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Equipment Blank  
**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 11/13/20 00:04  
**Analyst:** RS

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 11/11/20 12:25

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab</b>						
Perfluorobutanoic Acid (PFBA)	ND		ng/l	1.78	0.363	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	1.78	0.352	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	1.78	0.212	1
Perfluorohexanoic Acid (PFHxA)	0.349	J	ng/l	1.78	0.292	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	1.78	0.200	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	1.78	0.335	1
Perfluorooctanoic Acid (PFOA)	ND		ng/l	1.78	0.210	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	1.78	1.18	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.78	0.612	1
Perfluorononanoic Acid (PFNA)	ND		ng/l	1.78	0.278	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	1.78	0.449	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.78	0.271	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.78	1.08	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.78	0.577	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.78	0.231	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.78	0.872	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	1.78	0.516	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.78	0.716	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.78	0.331	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.78	0.291	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.78	0.221	1
PFOA/PFOS, Total	ND		ng/l	1.78	0.210	1

**Project Name:** 266-270 WEST 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047390  
**Report Date:** 11/16/20

**SAMPLE RESULTS**

Lab ID: L2047390-05  
 Client ID: SBEB01\_10292020  
 Sample Location: NEW YORK, NY

Date Collected: 10/29/20 15:05  
 Date Received: 10/29/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	102		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	125		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	103		31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	97		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	102		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	94		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	101		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	131		1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	101		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	96		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	95		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	112		7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	78		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	106		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	16		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	71		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	101		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	96		33-143

**Project Name:** 266-270 WEST 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047390  
**Report Date:** 11/16/20

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8270D  
Analytical Date: 11/02/20 00:51  
Analyst: WR

Extraction Method: EPA 3546  
Extraction Date: 10/30/20 21:22

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1428756-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	160	19.
Hexachlorobenzene	ND		ug/kg	98	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
1,2-Dichlorobenzene	ND		ug/kg	160	29.
1,3-Dichlorobenzene	ND		ug/kg	160	28.
1,4-Dichlorobenzene	ND		ug/kg	160	29.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	33.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	98	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	18.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	470	150
Hexachloroethane	ND		ug/kg	130	26.
Isophorone	ND		ug/kg	150	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	19.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	25.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	57.
Butyl benzyl phthalate	ND		ug/kg	160	41.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	56.
Diethyl phthalate	ND		ug/kg	160	15.

**Project Name:** 266-270 WEST 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047390  
**Report Date:** 11/16/20

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8270D  
Analytical Date: 11/02/20 00:51  
Analyst: WR

Extraction Method: EPA 3546  
Extraction Date: 10/30/20 21:22

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1428756-1					
Dimethyl phthalate	ND		ug/kg	160	34.
Benzo(a)anthracene	ND		ug/kg	98	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	98	28.
Benzo(k)fluoranthene	ND		ug/kg	98	26.
Chrysene	ND		ug/kg	98	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	98	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	98	20.
Dibenzo(a,h)anthracene	ND		ug/kg	98	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	98	16.
Biphenyl	ND		ug/kg	370	38.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	32.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	68.
Dibenzofuran	ND		ug/kg	160	16.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	98	31.
p-Chloro-m-cresol	ND		ug/kg	160	24.
2-Chlorophenol	ND		ug/kg	160	19.
2,4-Dichlorophenol	ND		ug/kg	150	26.
2,4-Dimethylphenol	ND		ug/kg	160	54.
2-Nitrophenol	ND		ug/kg	350	62.



**Project Name:** 266-270 WEST 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047390  
**Report Date:** 11/16/20

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 1,8270D  
Analytical Date: 11/02/20 00:51  
Analyst: WR

Extraction Method: EPA 3546  
Extraction Date: 10/30/20 21:22

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1428756-1					
4-Nitrophenol	ND		ug/kg	230	67.
2,4-Dinitrophenol	ND		ug/kg	790	76.
4,6-Dinitro-o-cresol	ND		ug/kg	430	79.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	160	25.
2-Methylphenol	ND		ug/kg	160	25.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.
2,4,5-Trichlorophenol	ND		ug/kg	160	31.
Benzoic Acid	ND		ug/kg	530	160
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	16.
1,4-Dioxane	ND		ug/kg	24	7.5

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	73		25-120
Phenol-d6	70		10-120
Nitrobenzene-d5	66		23-120
2-Fluorobiphenyl	74		30-120
2,4,6-Tribromophenol	89		10-136
4-Terphenyl-d14	87		18-120

**Project Name:** 266-270 WEST 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047390  
**Report Date:** 11/16/20

**Method Blank Analysis**  
**Batch Quality Control**

**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 11/05/20 08:54  
**Analyst:** SG

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 11/04/20 10:21

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01 Batch: WG1430169-1					
Perfluorobutanoic Acid (PFBA)	ND		ug/kg	0.500	0.023
Perfluoropentanoic Acid (PFPeA)	ND		ug/kg	0.500	0.046
Perfluorobutanesulfonic Acid (PFBS)	ND		ug/kg	0.500	0.039
Perfluorohexanoic Acid (PFHxA)	ND		ug/kg	0.500	0.053
Perfluoroheptanoic Acid (PFHpA)	ND		ug/kg	0.500	0.045
Perfluorohexanesulfonic Acid (PFHxS)	ND		ug/kg	0.500	0.061
Perfluorooctanoic Acid (PFOA)	ND		ug/kg	0.500	0.042
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ug/kg	0.500	0.180
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ug/kg	0.500	0.136
Perfluorononanoic Acid (PFNA)	ND		ug/kg	0.500	0.075
Perfluorooctanesulfonic Acid (PFOS)	ND		ug/kg	0.500	0.130
Perfluorodecanoic Acid (PFDA)	ND		ug/kg	0.500	0.067
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ug/kg	0.500	0.287
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ug/kg	0.500	0.202
Perfluoroundecanoic Acid (PFUnA)	ND		ug/kg	0.500	0.047
Perfluorodecanesulfonic Acid (PFDS)	ND		ug/kg	0.500	0.153
Perfluorooctanesulfonamide (FOSA)	ND		ug/kg	0.500	0.098
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ug/kg	0.500	0.085
Perfluorododecanoic Acid (PFDoA)	ND		ug/kg	0.500	0.070
Perfluorotridecanoic Acid (PFTrDA)	ND		ug/kg	0.500	0.204
Perfluorotetradecanoic Acid (PFTA)	ND		ug/kg	0.500	0.054
PFOA/PFOS, Total	ND		ug/kg	0.500	0.042

**Project Name:** 266-270 WEST 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047390  
**Report Date:** 11/16/20

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 134,LCMSMS-ID  
Analytical Date: 11/05/20 08:54  
Analyst: SG

Extraction Method: ALPHA 23528  
Extraction Date: 11/04/20 10:21

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01 Batch: WG1430169-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	86		60-153
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	88		65-182
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	91		70-151
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	83		61-147
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	85		62-149
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	100		63-166
Perfluoro[13C8]Octanoic Acid (M8PFOA)	84		62-152
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	63		32-182
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	75		61-154
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	91		65-151
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	83		65-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	78		25-186
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	54		45-137
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	93		64-158
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	4		1-125
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	66		42-136
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	81		56-148
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	61		26-160

**Project Name:** 266-270 WEST 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047390  
**Report Date:** 11/16/20

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 134,LCMSMS-ID  
Analytical Date: 11/11/20 11:09  
Analyst: RS

Extraction Method: ALPHA 23528  
Extraction Date: 11/04/20 10:21

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01 Batch: WG1430169-1					
Perfluorooctanesulfonamide (FOSA)	ND		ug/kg	0.500	0.098

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	111		1-125

**Project Name:** 266-270 WEST 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047390  
**Report Date:** 11/16/20

**Method Blank Analysis**  
**Batch Quality Control**

**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 11/06/20 00:01  
**Analyst:** SG

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 11/04/20 14:22

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 02-03 Batch: WG1430323-1					
Perfluorobutanoic Acid (PFBA)	ND		ug/kg	0.500	0.023
Perfluoropentanoic Acid (PFPeA)	ND		ug/kg	0.500	0.046
Perfluorobutanesulfonic Acid (PFBS)	ND		ug/kg	0.500	0.039
Perfluorohexanoic Acid (PFHxA)	ND		ug/kg	0.500	0.053
Perfluoroheptanoic Acid (PFHpA)	ND		ug/kg	0.500	0.045
Perfluorohexanesulfonic Acid (PFHxS)	ND		ug/kg	0.500	0.061
Perfluorooctanoic Acid (PFOA)	ND		ug/kg	0.500	0.042
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ug/kg	0.500	0.180
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ug/kg	0.500	0.136
Perfluorononanoic Acid (PFNA)	ND		ug/kg	0.500	0.075
Perfluorooctanesulfonic Acid (PFOS)	ND		ug/kg	0.500	0.130
Perfluorodecanoic Acid (PFDA)	ND		ug/kg	0.500	0.067
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ug/kg	0.500	0.287
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ug/kg	0.500	0.202
Perfluoroundecanoic Acid (PFUnA)	ND		ug/kg	0.500	0.047
Perfluorodecanesulfonic Acid (PFDS)	ND		ug/kg	0.500	0.153
Perfluorooctanesulfonamide (FOSA)	ND		ug/kg	0.500	0.098
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ug/kg	0.500	0.085
Perfluorododecanoic Acid (PFDoA)	ND		ug/kg	0.500	0.070
Perfluorotridecanoic Acid (PFTrDA)	ND		ug/kg	0.500	0.204
Perfluorotetradecanoic Acid (PFTA)	ND		ug/kg	0.500	0.054
PFOA/PFOS, Total	ND		ug/kg	0.500	0.042

**Project Name:** 266-270 WEST 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047390  
**Report Date:** 11/16/20

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 134,LCMSMS-ID  
Analytical Date: 11/06/20 00:01  
Analyst: SG

Extraction Method: ALPHA 23528  
Extraction Date: 11/04/20 14:22

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 02-03 Batch: WG1430323-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	86		60-153
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	86		65-182
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	88		70-151
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	87		61-147
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	87		62-149
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	99		63-166
Perfluoro[13C8]Octanoic Acid (M8PFOA)	87		62-152
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	75		32-182
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	78		61-154
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	92		65-151
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	86		65-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	90		25-186
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	70		45-137
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	95		64-158
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	10		1-125
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	71		42-136
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	83		56-148
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	67		26-160

**Project Name:** 266-270 WEST 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047390  
**Report Date:** 11/16/20

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 134,LCMSMS-ID  
Analytical Date: 11/11/20 13:36  
Analyst: RS

Extraction Method: ALPHA 23528  
Extraction Date: 11/04/20 14:22

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 02-03 Batch: WG1430323-1					
Perfluorooctanesulfonamide (FOSA)	ND		ug/kg	0.500	0.098

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	105		1-125

**Project Name:** 266-270 WEST 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047390  
**Report Date:** 11/16/20

**Method Blank Analysis**  
**Batch Quality Control**

**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 11/12/20 13:56  
**Analyst:** RS

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 11/11/20 12:25

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 05 Batch: WG1433033-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/l	2.00	0.408
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	2.00	0.396
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	2.00	0.238
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	2.00	0.328
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	2.00	0.225
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	2.00	0.376
Perfluorooctanoic Acid (PFOA)	ND		ng/l	2.00	0.236
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	2.00	1.33
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	2.00	0.688
Perfluorononanoic Acid (PFNA)	ND		ng/l	2.00	0.312
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	2.00	0.504
Perfluorodecanoic Acid (PFDA)	ND		ng/l	2.00	0.304
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	2.00	1.21
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	2.00	0.648
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	2.00	0.260
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	2.00	0.980
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	2.00	0.580
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	2.00	0.804
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	2.00	0.372
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	2.00	0.327
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	2.00	0.248
PFOA/PFOS, Total	ND		ng/l	2.00	0.236



**Project Name:** 266-270 WEST 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047390  
**Report Date:** 11/16/20

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 134,LCMSMS-ID  
Analytical Date: 11/12/20 13:56  
Analyst: RS

Extraction Method: ALPHA 23528  
Extraction Date: 11/11/20 12:25

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 05 Batch: WG1433033-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	99		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	119		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	108		31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	98		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	101		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	106		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	99		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	115		1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	97		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	104		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	97		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	97		7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	73		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	110		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	35		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	77		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	103		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	93		33-143

**Project Name:** 266-270 WEST 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047390  
**Report Date:** 11/16/20

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 134,LCMSMS-ID  
Analytical Date: 11/12/20 17:02  
Analyst: RS

Extraction Method: ALPHA 23528  
Extraction Date: 11/11/20 12:25

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 05 Batch: WG1433033-1					
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	2.00	0.580

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	67		1-87

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 266-270 WEST 96TH ST

Lab Number: L2047390

Project Number: 170432001

Report Date: 11/16/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG1428756-2 WG1428756-3								
Acenaphthene	73		68		31-137	7		50
1,2,4-Trichlorobenzene	69		66		38-107	4		50
Hexachlorobenzene	95		84		40-140	12		50
Bis(2-chloroethyl)ether	68		66		40-140	3		50
2-Chloronaphthalene	72		68		40-140	6		50
1,2-Dichlorobenzene	68		66		40-140	3		50
1,3-Dichlorobenzene	69		67		40-140	3		50
1,4-Dichlorobenzene	68		65		28-104	5		50
3,3'-Dichlorobenzidine	52		50		40-140	4		50
2,4-Dinitrotoluene	75		71		40-132	5		50
2,6-Dinitrotoluene	78		75		40-140	4		50
Fluoranthene	77		70		40-140	10		50
4-Chlorophenyl phenyl ether	76		70		40-140	8		50
4-Bromophenyl phenyl ether	84		78		40-140	7		50
Bis(2-chloroisopropyl)ether	59		58		40-140	2		50
Bis(2-chloroethoxy)methane	71		67		40-117	6		50
Hexachlorobutadiene	76		75		40-140	1		50
Hexachlorocyclopentadiene	42		42		40-140	0		50
Hexachloroethane	70		66		40-140	6		50
Isophorone	70		65		40-140	7		50
Naphthalene	70		67		40-140	4		50
Nitrobenzene	64		64		40-140	0		50
NDPA/DPA	74		68		36-157	8		50

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 266-270 WEST 96TH ST

Lab Number: L2047390

Project Number: 170432001

Report Date: 11/16/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG1428756-2 WG1428756-3								
n-Nitrosodi-n-propylamine	70		66		32-121	6		50
Bis(2-ethylhexyl)phthalate	79		73		40-140	8		50
Butyl benzyl phthalate	79		71		40-140	11		50
Di-n-butylphthalate	81		75		40-140	8		50
Di-n-octylphthalate	76		70		40-140	8		50
Diethyl phthalate	75		69		40-140	8		50
Dimethyl phthalate	74		70		40-140	6		50
Benzo(a)anthracene	76		71		40-140	7		50
Benzo(a)pyrene	76		69		40-140	10		50
Benzo(b)fluoranthene	79		73		40-140	8		50
Benzo(k)fluoranthene	77		71		40-140	8		50
Chrysene	77		70		40-140	10		50
Acenaphthylene	78		75		40-140	4		50
Anthracene	78		72		40-140	8		50
Benzo(ghi)perylene	82		75		40-140	9		50
Fluorene	73		68		40-140	7		50
Phenanthrene	76		70		40-140	8		50
Dibenzo(a,h)anthracene	82		76		40-140	8		50
Indeno(1,2,3-cd)pyrene	80		75		40-140	6		50
Pyrene	78		72		35-142	8		50
Biphenyl	76		74		37-127	3		50
4-Chloroaniline	67		64		40-140	5		50
2-Nitroaniline	76		72		47-134	5		50

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 266-270 WEST 96TH ST

Lab Number: L2047390

Project Number: 170432001

Report Date: 11/16/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG1428756-2 WG1428756-3								
3-Nitroaniline	52		51		26-129	2		50
4-Nitroaniline	66		61		41-125	8		50
Dibenzofuran	73		68		40-140	7		50
2-Methylnaphthalene	70		67		40-140	4		50
1,2,4,5-Tetrachlorobenzene	87		84		40-117	4		50
Acetophenone	68		67		14-144	1		50
2,4,6-Trichlorophenol	80		76		30-130	5		50
p-Chloro-m-cresol	75		69		26-103	8		50
2-Chlorophenol	75		74		25-102	1		50
2,4-Dichlorophenol	78		74		30-130	5		50
2,4-Dimethylphenol	74		71		30-130	4		50
2-Nitrophenol	72		69		30-130	4		50
4-Nitrophenol	60		55		11-114	9		50
2,4-Dinitrophenol	69		65		4-130	6		50
4,6-Dinitro-o-cresol	76		69		10-130	10		50
Pentachlorophenol	68		64		17-109	6		50
Phenol	66		63		26-90	5		50
2-Methylphenol	73		69		30-130.	6		50
3-Methylphenol/4-Methylphenol	76		75		30-130	1		50
2,4,5-Trichlorophenol	80		75		30-130	6		50
Benzoic Acid	75		74		10-110	1		50
Benzyl Alcohol	73		70		40-140	4		50
Carbazole	78		72		54-128	8		50

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 266-270 WEST 96TH ST

Lab Number: L2047390

Project Number: 170432001

Report Date: 11/16/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG1428756-2 WG1428756-3								
1,4-Dioxane	50		45		40-140	11		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	76		72		25-120
Phenol-d6	72		68		10-120
Nitrobenzene-d5	66		61		23-120
2-Fluorobiphenyl	75		70		30-120
2,4,6-Tribromophenol	96		87		10-136
4-Terphenyl-d14	86		77		18-120

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 266-270 WEST 96TH ST

Lab Number: L2047390

Project Number: 170432001

Report Date: 11/16/20

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01 Batch: WG1430169-2 WG1430169-3								
Perfluorobutanoic Acid (PFBA)	125		124		71-135	1		30
Perfluoropentanoic Acid (PFPeA)	126		126		69-132	0		30
Perfluorobutanesulfonic Acid (PFBS)	121		124		72-128	2		30
Perfluorohexanoic Acid (PFHxA)	126		126		70-132	0		30
Perfluoroheptanoic Acid (PFHpA)	124		123		71-131	1		30
Perfluorohexanesulfonic Acid (PFHxS)	124		128		67-130	3		30
Perfluorooctanoic Acid (PFOA)	122		121		69-133	1		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	140		138		64-140	1		30
Perfluoroheptanesulfonic Acid (PFHpS)	122		121		70-132	1		30
Perfluorononanoic Acid (PFNA)	128		124		72-129	3		30
Perfluorooctanesulfonic Acid (PFOS)	123		128		68-136	4		30
Perfluorodecanoic Acid (PFDA)	121		125		69-133	3		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	140	Q	142	Q	65-137	1		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	136		111		63-144	20		30
Perfluoroundecanoic Acid (PFUnA)	122		120		64-136	2		30
Perfluorodecanesulfonic Acid (PFDS)	126		129		59-134	2		30
Perfluorooctanesulfonamide (FOSA)	117		124		67-137	6		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	124		119		61-139	4		30
Perfluorododecanoic Acid (PFDoA)	128		128		69-135	0		30
Perfluorotridecanoic Acid (PFTrDA)	127		130		66-139	2		30
Perfluorotetradecanoic Acid (PFTA)	122		120		69-133	2		30

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 266-270 WEST 96TH ST

Lab Number: L2047390

Project Number: 170432001

Report Date: 11/16/20

Parameter	LCS		LCSD		%Recovery		RPD	RPD	
	%Recovery	Qual	%Recovery	Qual	Limits			Qual	Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01 Batch: WG1430169-2 WG1430169-3									

Surrogate (Extracted Internal Standard)	LCS		LCSD		Acceptance Criteria
	%Recovery	Qual	%Recovery	Qual	
Perfluoro[13C4]Butanoic Acid (MPFBA)	87		89		60-153
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	88		89		65-182
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	92		90		70-151
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	84		85		61-147
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	86		87		62-149
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	100		99		63-166
Perfluoro[13C8]Octanoic Acid (M8PFOA)	87		88		62-152
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	70		71		32-182
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	79		82		61-154
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	95		93		65-151
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	85		84		65-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	83		81		25-186
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	64		81		45-137
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	94		93		64-158
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	7		6		1-125
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	74		73		42-136
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	84		83		56-148
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	62		64		26-160



### Lab Control Sample Analysis Batch Quality Control

**Project Name:** 266-270 WEST 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047390  
**Report Date:** 11/16/20

<b>Parameter</b>	<b>LCS %Recovery</b>	<b>Qual</b>	<b>LCSD %Recovery</b>	<b>Qual</b>	<b>%Recovery Limits</b>	<b>RPD</b>	<b>Qual</b>	<b>RPD Limits</b>
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01 Batch: WG1430169-2 WG1430169-3								
Perfluorooctanesulfonamide (FOSA)	116		117		67-137	1		30

<b>Surrogate (Extracted Internal Standard)</b>	<b>LCS %Recovery</b>	<b>Qual</b>	<b>LCSD %Recovery</b>	<b>Qual</b>	<b>Acceptance Criteria</b>
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	110		107		1-125

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 266-270 WEST 96TH ST

Lab Number: L2047390

Project Number: 170432001

Report Date: 11/16/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 02-03 Batch: WG1430323-2 WG1430323-3								
Perfluorobutanoic Acid (PFBA)	109		108		71-135	1		30
Perfluoropentanoic Acid (PFPeA)	111		112		69-132	1		30
Perfluorobutanesulfonic Acid (PFBS)	112		108		72-128	4		30
Perfluorohexanoic Acid (PFHxA)	112		111		70-132	1		30
Perfluoroheptanoic Acid (PFHpA)	109		110		71-131	1		30
Perfluorohexanesulfonic Acid (PFHxS)	114		115		67-130	1		30
Perfluorooctanoic Acid (PFOA)	108		109		69-133	1		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	121		138		64-140	13		30
Perfluoroheptanesulfonic Acid (PFHpS)	108		110		70-132	2		30
Perfluorononanoic Acid (PFNA)	113		115		72-129	2		30
Perfluorooctanesulfonic Acid (PFOS)	110		110		68-136	0		30
Perfluorodecanoic Acid (PFDA)	110		105		69-133	5		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	123		115		65-137	7		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	110		109		63-144	1		30
Perfluoroundecanoic Acid (PFUnA)	110		112		64-136	2		30
Perfluorodecanesulfonic Acid (PFDS)	114		112		59-134	2		30
Perfluorooctanesulfonamide (FOSA)	108		110		67-137	2		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	107		115		61-139	7		30
Perfluorododecanoic Acid (PFDoA)	116		116		69-135	0		30
Perfluorotridecanoic Acid (PFTrDA)	114		113		66-139	1		30
Perfluorotetradecanoic Acid (PFTA)	109		104		69-133	5		30

## Lab Control Sample Analysis Batch Quality Control

**Project Name:** 266-270 WEST 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047390  
**Report Date:** 11/16/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 02-03 Batch: WG1430323-2 WG1430323-3								

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	85		85		60-153
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	85		84		65-182
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	90		88		70-151
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	83		84		61-147
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	85		86		62-149
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	97		93		63-166
Perfluoro[13C8]Octanoic Acid (M8PFOA)	84		85		62-152
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	76		74		32-182
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	77		76		61-154
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	94		89		65-151
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	83		86		65-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	94		91		25-186
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	71		76		45-137
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	91		93		64-158
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	19		18		1-125
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	76		77		42-136
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	80		84		56-148
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	60		69		26-160

### Lab Control Sample Analysis Batch Quality Control

**Project Name:** 266-270 WEST 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047390  
**Report Date:** 11/16/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 02-03 Batch: WG1430323-2 WG1430323-3								
Perfluorooctanesulfonamide (FOSA)	101		105		67-137	4		30

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	109		104		1-125

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 266-270 WEST 96TH ST

Lab Number: L2047390

Project Number: 170432001

Report Date: 11/16/20

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 05 Batch: WG1433033-2 WG1433033-3								
Perfluorobutanoic Acid (PFBA)	105		106		67-148	1		30
Perfluoropentanoic Acid (PFPeA)	104		104		63-161	0		30
Perfluorobutanesulfonic Acid (PFBS)	105		106		65-157	1		30
Perfluorohexanoic Acid (PFHxA)	109		108		69-168	1		30
Perfluoroheptanoic Acid (PFHpA)	104		104		58-159	0		30
Perfluorohexanesulfonic Acid (PFHxS)	97		94		69-177	3		30
Perfluorooctanoic Acid (PFOA)	105		104		63-159	1		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	108		108		49-187	0		30
Perfluoroheptanesulfonic Acid (PFHpS)	114		110		61-179	4		30
Perfluorononanoic Acid (PFNA)	104		103		68-171	1		30
Perfluorooctanesulfonic Acid (PFOS)	113		109		52-151	4		30
Perfluorodecanoic Acid (PFDA)	107		103		63-171	4		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	128		116		56-173	10		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	69		88		60-166	24		30
Perfluoroundecanoic Acid (PFUnA)	109		113		60-153	4		30
Perfluorodecanesulfonic Acid (PFDS)	96		101		38-156	5		30
Perfluorooctanesulfonamide (FOSA)	117		120		46-170	3		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	129		96		45-170	29		30
Perfluorododecanoic Acid (PFDoA)	109		105		67-153	4		30
Perfluorotridecanoic Acid (PFTrDA)	118		109		48-158	8		30
Perfluorotetradecanoic Acid (PFTA)	110		108		59-182	2		30

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 266-270 WEST 96TH ST

Lab Number: L2047390

Project Number: 170432001

Report Date: 11/16/20

Parameter	LCS		LCSD		%Recovery		RPD	RPD	
	%Recovery	Qual	%Recovery	Qual	Limits			Qual	Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 05 Batch: WG1433033-2 WG1433033-3									

Surrogate (Extracted Internal Standard)	LCS		LCSD		Acceptance Criteria
	%Recovery	Qual	%Recovery	Qual	
Perfluoro[13C4]Butanoic Acid (MPFBA)	97		97		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	120		119		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	108		113		31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	96		93		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	99		98		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	110		118		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	96		96		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	109		125		1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	94		94		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	97		105		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	95		95		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	91		117		7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	95		69		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	100		97		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	19		18		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	59		78		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	97		104		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	92		91		33-143

### Lab Control Sample Analysis Batch Quality Control

**Project Name:** 266-270 WEST 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047390  
**Report Date:** 11/16/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 05 Batch: WG1433033-2 WG1433033-3								
Perfluorooctanesulfonamide (FOSA)	124		117		46-170	6		30

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	57		64		1-87

## Matrix Spike Analysis

*Batch Quality Control*

**Project Name:** 266-270 WEST 96TH ST

**Lab Number:** L2047390

**Project Number:** 170432001

**Report Date:** 11/16/20

<i>Parameter</i>	<i>Native Sample</i>	<i>MS Added</i>	<i>MS Found</i>	<i>MS %Recovery</i>	<i>Qual</i>	<i>MSD Found</i>	<i>MSD %Recovery</i>	<i>Qual</i>	<i>Recovery Limits</i>	<i>RPD</i>	<i>Qual</i>	<i>RPD Limits</i>
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 02-03 QC Batch ID: WG1430323-4 QC Sample: L2047390-02 Client ID: SB-15_2.5-4.5												
Perfluorobutanoic Acid (PFBA)	ND	5.07	5.47	108		-	-		71-135	-		30
Perfluoropentanoic Acid (PFPeA)	ND	5.07	5.56	110		-	-		69-132	-		30
Perfluorobutanesulfonic Acid (PFBS)	ND	4.5	4.90	109		-	-		72-128	-		30
Perfluorohexanoic Acid (PFHxA)	0.061JF	5.07	5.70	111		-	-		70-132	-		30
Perfluoroheptanoic Acid (PFHpA)	ND	5.07	5.46	108		-	-		71-131	-		30
Perfluorohexanesulfonic Acid (PFHxS)	ND	4.64	4.87	105		-	-		67-130	-		30
Perfluorooctanoic Acid (PFOA)	0.070JF	5.07	5.48F	107		-	-		69-133	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	4.83	6.48F	134		-	-		64-140	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	4.83	4.92	102		-	-		70-132	-		30
Perfluorononanoic Acid (PFNA)	ND	5.07	5.79	114		-	-		72-129	-		30
Perfluorooctanesulfonic Acid (PFOS)	0.484JF	4.71	6.08F	119		-	-		68-136	-		30
Perfluorodecanoic Acid (PFDA)	ND	5.07	5.52	109		-	-		69-133	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	4.87	5.63F	116		-	-		65-137	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	5.07	5.24F	103		-	-		63-144	-		30
Perfluoroundecanoic Acid (PFUnA)	ND	5.07	5.66	112		-	-		64-136	-		30
Perfluorodecanesulfonic Acid (PFDS)	ND	4.89	5.32	109		-	-		59-134	-		30
Perfluorooctanesulfonamide (FOSA)	ND	5.07	5.52	109		-	-		67-137	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	5.07	5.90	116		-	-		61-139	-		30
Perfluorododecanoic Acid (PFDoA)	ND	5.07	5.89	116		-	-		69-135	-		30
Perfluorotridecanoic Acid (PFTrDA)	ND	5.07	5.52	109		-	-		66-139	-		30
Perfluorotetradecanoic Acid (PFTTA)	ND	5.07	5.32	105		-	-		69-133	-		30



## Matrix Spike Analysis

*Batch Quality Control*

**Project Name:** 266-270 WEST 96TH ST

**Lab Number:** L2047390

**Project Number:** 170432001

**Report Date:** 11/16/20

<i>Parameter</i>	<i>Native Sample</i>	<i>MS Added</i>	<i>MS Found</i>	<i>MS %Recovery</i>	<i>Qual</i>	<i>MSD Found</i>	<i>MSD %Recovery</i>	<i>Qual</i>	<i>Recovery Limits</i>	<i>RPD</i>	<i>Qual</i>	<i>RPD Limits</i>
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 02-03 QC Batch ID: WG1430323-4 QC Sample: L2047390-02 Client ID: SB-15_2.5-4.5												

<i>Surrogate (Extracted Internal Standard)</i>	<i>MS</i>		<i>MSD</i>		<i>Acceptance Criteria</i>
	<i>% Recovery</i>	<i>Qualifier</i>	<i>% Recovery</i>	<i>Qualifier</i>	
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	84				25-186
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	71				32-182
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	42				42-136
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	<b>43</b>	Q			45-137
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	81				64-158
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	76				65-150
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	74				61-147
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	77				62-149
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	92				63-166
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	71				56-148
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	51				26-160
Perfluoro[13C4]Butanoic Acid (MPFBA)	76				60-153
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	76				65-182
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	21				1-125
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	85				65-151
Perfluoro[13C8]Octanoic Acid (M8PFOA)	76				62-152
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	68				61-154
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	84				70-151

## Lab Duplicate Analysis

### Batch Quality Control

Project Name: 266-270 WEST 96TH ST

Project Number: 170432001

Lab Number: L2047390

Report Date: 11/16/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 02-03 QC Batch ID: WG1430323-5 QC Sample: L2047390-03 Client ID: SB-17_0-2						
Perfluorobutanoic Acid (PFBA)	ND	ND	ug/kg	NC		30
Perfluoropentanoic Acid (PFPeA)	0.091J	0.081J	ug/kg	NC		30
Perfluorobutanesulfonic Acid (PFBS)	ND	ND	ug/kg	NC		30
Perfluorohexanoic Acid (PFHxA)	0.107J	0.093J	ug/kg	NC		30
Perfluoroheptanoic Acid (PFHpA)	ND	ND	ug/kg	NC		30
Perfluorohexanesulfonic Acid (PFHxS)	ND	ND	ug/kg	NC		30
Perfluorooctanoic Acid (PFOA)	0.229JF	0.200JF	ug/kg	NC		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	ND	ug/kg	NC		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	ND	ug/kg	NC		30
Perfluorononanoic Acid (PFNA)	ND	ND	ug/kg	NC		30
Perfluorooctanesulfonic Acid (PFOS)	0.290JF	0.273J	ug/kg	NC		30
Perfluorodecanoic Acid (PFDA)	ND	ND	ug/kg	NC		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	ND	ug/kg	NC		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	ND	ug/kg	NC		30
Perfluoroundecanoic Acid (PFUnA)	0.269J	0.218J	ug/kg	NC		30
Perfluorodecanesulfonic Acid (PFDS)	0.192J	ND	ug/kg	NC		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	ND	ug/kg	NC		30
Perfluorododecanoic Acid (PFDoA)	ND	ND	ug/kg	NC		30
Perfluorotridecanoic Acid (PFTrDA)	ND	ND	ug/kg	NC		30
Perfluorotetradecanoic Acid (PFTA)	ND	ND	ug/kg	NC		30

## Lab Duplicate Analysis

### Batch Quality Control

**Project Name:** 266-270 WEST 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047390  
**Report Date:** 11/16/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 02-03 QC Batch ID: WG1430323-5 QC Sample: L2047390-03 Client ID: SB-17_0-2						
PFOA/PFOS, Total	0.519J	0.473J	ug/kg	NC		30

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	82		82		60-153
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	83		82		65-182
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	88		87		70-151
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	81		80		61-147
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	83		83		62-149
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	94		95		63-166
Perfluoro[13C8]Octanoic Acid (M8PFOA)	83		82		62-152
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	70		75		32-182
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	76		76		61-154
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	90		89		65-151
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	82		82		65-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	94		94		25-186
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	54		49		45-137
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	90		90		64-158
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	57		60		42-136
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	79		81		56-148
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	61		60		26-160

**Lab Duplicate Analysis**  
**Batch Quality Control**

**Project Name:** 266-270 WEST 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047390  
**Report Date:** 11/16/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 02-03 QC Batch ID: WG1430323-5 QC Sample: L2047390-03 Client ID: SB-17_0-2						

Perfluorooctanesulfonamide (FOSA)	ND	ND	ug/kg	NC		30
-----------------------------------	----	----	-------	----	--	----

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	83		83		1-125



# PCBS

**Project Name:** 266-270 WEST 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047390  
**Report Date:** 11/16/20

**SAMPLE RESULTS**

Lab ID: L2047390-01  
 Client ID: SB-15\_0-2  
 Sample Location: NEW YORK, NY

Date Collected: 10/29/20 12:00  
 Date Received: 10/29/20  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8082A  
 Analytical Date: 11/02/20 11:28  
 Analyst: JM  
 Percent Solids: 89%

Extraction Method: EPA 3546  
 Extraction Date: 11/01/20 13:51  
 Cleanup Method: EPA 3665A  
 Cleanup Date: 11/01/20  
 Cleanup Method: EPA 3660B  
 Cleanup Date: 11/01/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Polychlorinated Biphenyls by GC - Westborough Lab</b>							
Aroclor 1016	ND		ug/kg	36.4	3.23	1	A
Aroclor 1221	ND		ug/kg	36.4	3.64	1	A
Aroclor 1232	ND		ug/kg	36.4	7.71	1	A
Aroclor 1242	ND		ug/kg	36.4	4.90	1	A
Aroclor 1248	ND		ug/kg	36.4	5.45	1	A
Aroclor 1254	10.6	J	ug/kg	36.4	3.98	1	A
Aroclor 1260	ND		ug/kg	36.4	6.72	1	A
Aroclor 1262	ND		ug/kg	36.4	4.62	1	A
Aroclor 1268	ND		ug/kg	36.4	3.77	1	A
PCBs, Total	10.6	J	ug/kg	36.4	3.23	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	29	Q	30-150	A
Decachlorobiphenyl	31		30-150	A
2,4,5,6-Tetrachloro-m-xylene	31		30-150	B
Decachlorobiphenyl	39		30-150	B

**Project Name:** 266-270 WEST 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047390  
**Report Date:** 11/16/20

**SAMPLE RESULTS**

Lab ID: L2047390-02  
 Client ID: SB-15\_2.5-4.5  
 Sample Location: NEW YORK, NY

Date Collected: 10/29/20 12:45  
 Date Received: 10/29/20  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8082A  
 Analytical Date: 11/02/20 06:03  
 Analyst: AD  
 Percent Solids: 89%

Extraction Method: EPA 3546  
 Extraction Date: 11/01/20 13:51  
 Cleanup Method: EPA 3665A  
 Cleanup Date: 11/01/20  
 Cleanup Method: EPA 3660B  
 Cleanup Date: 11/01/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Polychlorinated Biphenyls by GC - Westborough Lab</b>							
Aroclor 1016	ND		ug/kg	35.5	3.15	1	A
Aroclor 1221	ND		ug/kg	35.5	3.56	1	A
Aroclor 1232	ND		ug/kg	35.5	7.53	1	A
Aroclor 1242	ND		ug/kg	35.5	4.79	1	A
Aroclor 1248	ND		ug/kg	35.5	5.33	1	A
Aroclor 1254	ND		ug/kg	35.5	3.89	1	A
Aroclor 1260	ND		ug/kg	35.5	6.56	1	A
Aroclor 1262	ND		ug/kg	35.5	4.51	1	A
Aroclor 1268	ND		ug/kg	35.5	3.68	1	A
PCBs, Total	ND		ug/kg	35.5	3.15	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	52		30-150	A
Decachlorobiphenyl	49		30-150	A
2,4,5,6-Tetrachloro-m-xylene	48		30-150	B
Decachlorobiphenyl	54		30-150	B

**Project Name:** 266-270 WEST 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047390  
**Report Date:** 11/16/20

**SAMPLE RESULTS**

**Lab ID:** L2047390-03  
**Client ID:** SB-17\_0-2  
**Sample Location:** NEW YORK, NY

**Date Collected:** 10/29/20 14:20  
**Date Received:** 10/29/20  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8082A  
**Analytical Date:** 11/02/20 06:10  
**Analyst:** AD  
**Percent Solids:** 83%

**Extraction Method:** EPA 3546  
**Extraction Date:** 11/01/20 13:51  
**Cleanup Method:** EPA 3665A  
**Cleanup Date:** 11/01/20  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 11/01/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Polychlorinated Biphenyls by GC - Westborough Lab</b>							
Aroclor 1016	ND		ug/kg	39.1	3.47	1	A
Aroclor 1221	ND		ug/kg	39.1	3.91	1	A
Aroclor 1232	ND		ug/kg	39.1	8.28	1	A
Aroclor 1242	ND		ug/kg	39.1	5.27	1	A
Aroclor 1248	ND		ug/kg	39.1	5.86	1	A
Aroclor 1254	ND		ug/kg	39.1	4.27	1	A
Aroclor 1260	ND		ug/kg	39.1	7.22	1	A
Aroclor 1262	ND		ug/kg	39.1	4.96	1	A
Aroclor 1268	ND		ug/kg	39.1	4.05	1	A
PCBs, Total	ND		ug/kg	39.1	3.47	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	57		30-150	A
Decachlorobiphenyl	53		30-150	A
2,4,5,6-Tetrachloro-m-xylene	51		30-150	B
Decachlorobiphenyl	76		30-150	B



**Project Name:** 266-270 WEST 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047390  
**Report Date:** 11/16/20

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 1,8082A  
Analytical Date: 11/02/20 03:51  
Analyst: AD

Extraction Method: EPA 3546  
Extraction Date: 11/01/20 13:32  
Cleanup Method: EPA 3665A  
Cleanup Date: 11/01/20  
Cleanup Method: EPA 3660B  
Cleanup Date: 11/01/20

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-03 Batch: WG1429044-1						
Aroclor 1016	ND		ug/kg	32.5	2.88	A
Aroclor 1221	ND		ug/kg	32.5	3.25	A
Aroclor 1232	ND		ug/kg	32.5	6.88	A
Aroclor 1242	ND		ug/kg	32.5	4.38	A
Aroclor 1248	ND		ug/kg	32.5	4.87	A
Aroclor 1254	ND		ug/kg	32.5	3.55	A
Aroclor 1260	ND		ug/kg	32.5	6.00	A
Aroclor 1262	ND		ug/kg	32.5	4.12	A
Aroclor 1268	ND		ug/kg	32.5	3.36	A
PCBs, Total	ND		ug/kg	32.5	2.88	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	58		30-150	A
Decachlorobiphenyl	67		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		30-150	B
Decachlorobiphenyl	78		30-150	B

### Lab Control Sample Analysis Batch Quality Control

**Project Name:** 266-270 WEST 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047390  
**Report Date:** 11/16/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-03 Batch: WG1429044-2 WG1429044-3									
Aroclor 1016	89		86		40-140	3		50	A
Aroclor 1260	88		85		40-140	3		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		68		30-150	A
Decachlorobiphenyl	78		75		30-150	A
2,4,5,6-Tetrachloro-m-xylene	80		76		30-150	B
Decachlorobiphenyl	87		83		30-150	B

# PESTICIDES

**Project Name:** 266-270 WEST 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047390  
**Report Date:** 11/16/20

**SAMPLE RESULTS**

**Lab ID:** L2047390-01  
**Client ID:** SB-15\_0-2  
**Sample Location:** NEW YORK, NY

**Date Collected:** 10/29/20 12:00  
**Date Received:** 10/29/20  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8081B  
**Analytical Date:** 11/02/20 09:28  
**Analyst:** JMC  
**Percent Solids:** 89%

**Extraction Method:** EPA 3546  
**Extraction Date:** 10/31/20 13:58  
**Cleanup Method:** EPA 3620B  
**Cleanup Date:** 11/01/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Organochlorine Pesticides by GC - Westborough Lab</b>							
Delta-BHC	ND		ug/kg	1.74	0.340	1	A
Lindane	ND		ug/kg	0.723	0.323	1	A
Alpha-BHC	ND		ug/kg	0.723	0.205	1	A
Beta-BHC	ND		ug/kg	1.74	0.658	1	A
Heptachlor	ND		ug/kg	0.868	0.389	1	A
Aldrin	ND		ug/kg	1.74	0.611	1	A
Heptachlor epoxide	ND		ug/kg	3.25	0.976	1	A
Endrin	ND		ug/kg	0.723	0.296	1	A
Endrin aldehyde	ND		ug/kg	2.17	0.759	1	A
Endrin ketone	ND		ug/kg	1.74	0.447	1	A
Dieldrin	ND		ug/kg	1.08	0.542	1	A
4,4'-DDE	ND		ug/kg	1.74	0.401	1	A
4,4'-DDD	ND		ug/kg	1.74	0.619	1	A
4,4'-DDT	ND		ug/kg	3.25	1.40	1	A
Endosulfan I	ND		ug/kg	1.74	0.410	1	A
Endosulfan II	ND		ug/kg	1.74	0.580	1	A
Endosulfan sulfate	ND		ug/kg	0.723	0.344	1	A
Methoxychlor	ND		ug/kg	3.25	1.01	1	A
Toxaphene	ND		ug/kg	32.5	9.11	1	A
cis-Chlordane	ND		ug/kg	2.17	0.604	1	A
trans-Chlordane	ND		ug/kg	2.17	0.572	1	A
Chlordane	ND		ug/kg	14.4	5.75	1	A

**Project Name:** 266-270 WEST 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047390  
**Report Date:** 11/16/20

**SAMPLE RESULTS**

Lab ID: L2047390-01  
 Client ID: SB-15\_0-2  
 Sample Location: NEW YORK, NY

Date Collected: 10/29/20 12:00  
 Date Received: 10/29/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	95		30-150	A
Decachlorobiphenyl	96		30-150	A
2,4,5,6-Tetrachloro-m-xylene	103		30-150	B
Decachlorobiphenyl	100		30-150	B

**Project Name:** 266-270 WEST 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047390  
**Report Date:** 11/16/20

**SAMPLE RESULTS**

**Lab ID:** L2047390-02  
**Client ID:** SB-15\_2.5-4.5  
**Sample Location:** NEW YORK, NY

**Date Collected:** 10/29/20 12:45  
**Date Received:** 10/29/20  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8081B  
**Analytical Date:** 11/02/20 09:39  
**Analyst:** JMC  
**Percent Solids:** 89%

**Extraction Method:** EPA 3546  
**Extraction Date:** 10/31/20 13:58  
**Cleanup Method:** EPA 3620B  
**Cleanup Date:** 11/01/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Organochlorine Pesticides by GC - Westborough Lab</b>							
Delta-BHC	ND		ug/kg	1.70	0.333	1	A
Lindane	ND		ug/kg	0.709	0.317	1	A
Alpha-BHC	ND		ug/kg	0.709	0.201	1	A
Beta-BHC	ND		ug/kg	1.70	0.645	1	A
Heptachlor	ND		ug/kg	0.850	0.381	1	A
Aldrin	ND		ug/kg	1.70	0.599	1	A
Heptachlor epoxide	ND		ug/kg	3.19	0.957	1	A
Endrin	ND		ug/kg	0.709	0.290	1	A
Endrin aldehyde	ND		ug/kg	2.12	0.744	1	A
Endrin ketone	ND		ug/kg	1.70	0.438	1	A
Dieldrin	ND		ug/kg	1.06	0.531	1	A
4,4'-DDE	ND		ug/kg	1.70	0.393	1	A
4,4'-DDD	ND		ug/kg	1.70	0.607	1	A
4,4'-DDT	ND		ug/kg	3.19	1.37	1	A
Endosulfan I	ND		ug/kg	1.70	0.402	1	A
Endosulfan II	ND		ug/kg	1.70	0.568	1	A
Endosulfan sulfate	ND		ug/kg	0.709	0.337	1	A
Methoxychlor	ND		ug/kg	3.19	0.992	1	A
Toxaphene	ND		ug/kg	31.9	8.93	1	A
cis-Chlordane	ND		ug/kg	2.12	0.592	1	A
trans-Chlordane	ND		ug/kg	2.12	0.561	1	A
Chlordane	ND		ug/kg	14.2	5.63	1	A

**Project Name:** 266-270 WEST 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047390  
**Report Date:** 11/16/20

**SAMPLE RESULTS**

Lab ID: L2047390-02  
 Client ID: SB-15\_2.5-4.5  
 Sample Location: NEW YORK, NY

Date Collected: 10/29/20 12:45  
 Date Received: 10/29/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	95		30-150	A
Decachlorobiphenyl	154	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	102		30-150	B
Decachlorobiphenyl	102		30-150	B

**Project Name:** 266-270 WEST 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047390  
**Report Date:** 11/16/20

**SAMPLE RESULTS**

**Lab ID:** L2047390-03  
**Client ID:** SB-17\_0-2  
**Sample Location:** NEW YORK, NY

**Date Collected:** 10/29/20 14:20  
**Date Received:** 10/29/20  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8081B  
**Analytical Date:** 11/02/20 09:49  
**Analyst:** JMC  
**Percent Solids:** 83%

**Extraction Method:** EPA 3546  
**Extraction Date:** 10/31/20 13:58  
**Cleanup Method:** EPA 3620B  
**Cleanup Date:** 11/01/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Organochlorine Pesticides by GC - Westborough Lab</b>							
Delta-BHC	ND		ug/kg	1.92	0.376	1	A
Lindane	ND		ug/kg	0.801	0.358	1	A
Alpha-BHC	ND		ug/kg	0.801	0.228	1	A
Beta-BHC	ND		ug/kg	1.92	0.729	1	A
Heptachlor	ND		ug/kg	0.961	0.431	1	A
Aldrin	ND		ug/kg	1.92	0.677	1	A
Heptachlor epoxide	ND		ug/kg	3.60	1.08	1	A
Endrin	ND		ug/kg	0.801	0.328	1	A
Endrin aldehyde	ND		ug/kg	2.40	0.841	1	A
Endrin ketone	ND		ug/kg	1.92	0.495	1	A
Dieldrin	ND		ug/kg	1.20	0.601	1	A
4,4'-DDE	ND		ug/kg	1.92	0.445	1	A
4,4'-DDD	ND		ug/kg	1.92	0.686	1	A
4,4'-DDT	ND		ug/kg	3.60	1.55	1	A
Endosulfan I	ND		ug/kg	1.92	0.454	1	A
Endosulfan II	ND		ug/kg	1.92	0.642	1	A
Endosulfan sulfate	ND		ug/kg	0.801	0.381	1	A
Methoxychlor	ND		ug/kg	3.60	1.12	1	A
Toxaphene	ND		ug/kg	36.0	10.1	1	A
cis-Chlordane	ND		ug/kg	2.40	0.670	1	A
trans-Chlordane	ND		ug/kg	2.40	0.634	1	A
Chlordane	ND		ug/kg	16.0	6.37	1	A



**Project Name:** 266-270 WEST 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047390  
**Report Date:** 11/16/20

**SAMPLE RESULTS**

Lab ID: L2047390-03  
 Client ID: SB-17\_0-2  
 Sample Location: NEW YORK, NY

Date Collected: 10/29/20 14:20  
 Date Received: 10/29/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	82		30-150	A
Decachlorobiphenyl	62		30-150	A
2,4,5,6-Tetrachloro-m-xylene	91		30-150	B
Decachlorobiphenyl	76		30-150	B

**Project Name:** 266-270 WEST 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047390  
**Report Date:** 11/16/20

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8081B  
Analytical Date: 11/01/20 17:13  
Analyst: JMC

Extraction Method: EPA 3546  
Extraction Date: 10/31/20 13:58  
Cleanup Method: EPA 3620B  
Cleanup Date: 11/01/20

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-03 Batch: WG1428918-1						
Delta-BHC	ND		ug/kg	1.56	0.306	A
Lindane	ND		ug/kg	0.652	0.292	A
Alpha-BHC	ND		ug/kg	0.652	0.185	A
Beta-BHC	ND		ug/kg	1.56	0.594	A
Heptachlor	ND		ug/kg	0.783	0.351	A
Aldrin	ND		ug/kg	1.56	0.551	A
Heptachlor epoxide	ND		ug/kg	2.94	0.881	A
Endrin	ND		ug/kg	0.652	0.267	A
Endrin aldehyde	ND		ug/kg	1.96	0.685	A
Endrin ketone	ND		ug/kg	1.56	0.403	A
Dieldrin	ND		ug/kg	0.978	0.489	A
4,4'-DDE	ND		ug/kg	1.56	0.362	A
4,4'-DDD	ND		ug/kg	1.56	0.558	A
4,4'-DDT	ND		ug/kg	2.94	1.26	A
Endosulfan I	ND		ug/kg	1.56	0.370	A
Endosulfan II	ND		ug/kg	1.56	0.523	A
Endosulfan sulfate	ND		ug/kg	0.652	0.310	A
Methoxychlor	ND		ug/kg	2.94	0.913	A
Toxaphene	ND		ug/kg	29.4	8.22	A
cis-Chlordane	ND		ug/kg	1.96	0.545	A
trans-Chlordane	ND		ug/kg	1.96	0.517	A
Chlordane	ND		ug/kg	13.0	5.18	A

**Project Name:** 266-270 WEST 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047390  
**Report Date:** 11/16/20

**Method Blank Analysis  
 Batch Quality Control**

Analytical Method: 1,8081B  
 Analytical Date: 11/01/20 17:13  
 Analyst: JMC

Extraction Method: EPA 3546  
 Extraction Date: 10/31/20 13:58  
 Cleanup Method: EPA 3620B  
 Cleanup Date: 11/01/20

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-03 Batch: WG1428918-1						

Surrogate	%Recovery	Qualifier	Acceptance	
			Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		30-150	A
Decachlorobiphenyl	95		30-150	A
2,4,5,6-Tetrachloro-m-xylene	91		30-150	B
Decachlorobiphenyl	71		30-150	B

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 266-270 WEST 96TH ST

Lab Number: L2047390

Project Number: 170432001

Report Date: 11/16/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-03 Batch: WG1428918-2 WG1428918-3									
Delta-BHC	107		101		30-150	6		30	A
Lindane	97		93		30-150	4		30	A
Alpha-BHC	102		98		30-150	4		30	A
Beta-BHC	105		101		30-150	4		30	A
Heptachlor	116		107		30-150	8		30	A
Aldrin	98		90		30-150	9		30	A
Heptachlor epoxide	98		92		30-150	6		30	A
Endrin	105		100		30-150	5		30	A
Endrin aldehyde	74		77		30-150	4		30	A
Endrin ketone	90		86		30-150	5		30	A
Dieldrin	98		94		30-150	4		30	A
4,4'-DDE	97		92		30-150	5		30	A
4,4'-DDD	105		99		30-150	6		30	A
4,4'-DDT	95		91		30-150	4		30	A
Endosulfan I	92		87		30-150	6		30	A
Endosulfan II	99		95		30-150	4		30	A
Endosulfan sulfate	80		78		30-150	3		30	A
Methoxychlor	99		96		30-150	3		30	A
cis-Chlordane	87		83		30-150	5		30	A
trans-Chlordane	93		89		30-150	4		30	A

### Lab Control Sample Analysis Batch Quality Control

**Project Name:** 266-270 WEST 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047390  
**Report Date:** 11/16/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-03 Batch: WG1428918-2 WG1428918-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	87		85		30-150	A
Decachlorobiphenyl	113		103		30-150	A
2,4,5,6-Tetrachloro-m-xylene	99		96		30-150	B
Decachlorobiphenyl	75		84		30-150	B

## METALS

**Project Name:** 266-270 WEST 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047390  
**Report Date:** 11/16/20

**SAMPLE RESULTS**

Lab ID: L2047390-01  
 Client ID: SB-15\_0-2  
 Sample Location: NEW YORK, NY

Date Collected: 10/29/20 12:00  
 Date Received: 10/29/20  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil  
 Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Aluminum, Total	15800		mg/kg	8.76	2.36	2	11/03/20 05:00	11/04/20 12:04	EPA 3050B	1,6010D	GD
Antimony, Total	ND		mg/kg	4.38	0.333	2	11/03/20 05:00	11/04/20 12:04	EPA 3050B	1,6010D	GD
Arsenic, Total	4.70		mg/kg	0.876	0.182	2	11/03/20 05:00	11/04/20 12:04	EPA 3050B	1,6010D	GD
Barium, Total	104		mg/kg	0.876	0.152	2	11/03/20 05:00	11/04/20 12:04	EPA 3050B	1,6010D	GD
Beryllium, Total	ND		mg/kg	0.438	0.029	2	11/03/20 05:00	11/04/20 12:04	EPA 3050B	1,6010D	GD
Cadmium, Total	0.718	J	mg/kg	0.876	0.086	2	11/03/20 05:00	11/04/20 12:04	EPA 3050B	1,6010D	GD
Calcium, Total	11000		mg/kg	8.76	3.07	2	11/03/20 05:00	11/04/20 12:04	EPA 3050B	1,6010D	GD
Chromium, Total	28.9		mg/kg	0.876	0.084	2	11/03/20 05:00	11/04/20 12:04	EPA 3050B	1,6010D	GD
Cobalt, Total	12.0		mg/kg	1.75	0.145	2	11/03/20 05:00	11/04/20 12:04	EPA 3050B	1,6010D	GD
Copper, Total	23.4		mg/kg	0.876	0.226	2	11/03/20 05:00	11/04/20 12:04	EPA 3050B	1,6010D	GD
Iron, Total	22100		mg/kg	4.38	0.791	2	11/03/20 05:00	11/04/20 12:04	EPA 3050B	1,6010D	GD
Lead, Total	64.1		mg/kg	4.38	0.235	2	11/03/20 05:00	11/04/20 12:04	EPA 3050B	1,6010D	GD
Magnesium, Total	5940		mg/kg	8.76	1.35	2	11/03/20 05:00	11/04/20 12:04	EPA 3050B	1,6010D	GD
Manganese, Total	528		mg/kg	0.876	0.139	2	11/03/20 05:00	11/04/20 12:04	EPA 3050B	1,6010D	GD
Mercury, Total	0.127		mg/kg	0.071	0.046	1	11/03/20 08:40	11/03/20 17:23	EPA 7471B	1,7471B	AL
Nickel, Total	25.3		mg/kg	2.19	0.212	2	11/03/20 05:00	11/04/20 12:04	EPA 3050B	1,6010D	GD
Potassium, Total	4300		mg/kg	219	12.6	2	11/03/20 05:00	11/04/20 12:04	EPA 3050B	1,6010D	GD
Selenium, Total	ND		mg/kg	1.75	0.226	2	11/03/20 05:00	11/04/20 12:04	EPA 3050B	1,6010D	GD
Silver, Total	ND		mg/kg	0.876	0.248	2	11/03/20 05:00	11/04/20 12:04	EPA 3050B	1,6010D	GD
Sodium, Total	206		mg/kg	175	2.76	2	11/03/20 05:00	11/04/20 12:04	EPA 3050B	1,6010D	GD
Thallium, Total	ND		mg/kg	1.75	0.276	2	11/03/20 05:00	11/04/20 12:04	EPA 3050B	1,6010D	GD
Vanadium, Total	36.1		mg/kg	0.876	0.178	2	11/03/20 05:00	11/04/20 12:04	EPA 3050B	1,6010D	GD
Zinc, Total	56.3		mg/kg	4.38	0.257	2	11/03/20 05:00	11/04/20 12:04	EPA 3050B	1,6010D	GD
<b>General Chemistry - Mansfield Lab</b>											
Chromium, Trivalent	29		mg/kg	0.90	0.90	1		11/04/20 12:04	NA	107,-	



**Project Name:** 266-270 WEST 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047390  
**Report Date:** 11/16/20

**SAMPLE RESULTS**

Lab ID: L2047390-02  
 Client ID: SB-15\_2.5-4.5  
 Sample Location: NEW YORK, NY

Date Collected: 10/29/20 12:45  
 Date Received: 10/29/20  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil  
 Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Aluminum, Total	24200		mg/kg	8.49	2.29	2	11/03/20 05:00	11/04/20 12:27	EPA 3050B	1,6010D	GD
Antimony, Total	ND		mg/kg	4.25	0.323	2	11/03/20 05:00	11/04/20 12:27	EPA 3050B	1,6010D	GD
Arsenic, Total	5.78		mg/kg	0.849	0.177	2	11/03/20 05:00	11/04/20 12:27	EPA 3050B	1,6010D	GD
Barium, Total	158		mg/kg	0.849	0.148	2	11/03/20 05:00	11/04/20 12:27	EPA 3050B	1,6010D	GD
Beryllium, Total	ND		mg/kg	0.425	0.028	2	11/03/20 05:00	11/04/20 12:27	EPA 3050B	1,6010D	GD
Cadmium, Total	0.917		mg/kg	0.849	0.083	2	11/03/20 05:00	11/04/20 12:27	EPA 3050B	1,6010D	GD
Calcium, Total	2350		mg/kg	8.49	2.97	2	11/03/20 05:00	11/04/20 12:27	EPA 3050B	1,6010D	GD
Chromium, Total	47.8		mg/kg	0.849	0.082	2	11/03/20 05:00	11/04/20 12:27	EPA 3050B	1,6010D	GD
Cobalt, Total	26.6		mg/kg	1.70	0.141	2	11/03/20 05:00	11/04/20 12:27	EPA 3050B	1,6010D	GD
Copper, Total	34.4		mg/kg	0.849	0.219	2	11/03/20 05:00	11/04/20 12:27	EPA 3050B	1,6010D	GD
Iron, Total	27300		mg/kg	4.25	0.767	2	11/03/20 05:00	11/04/20 12:27	EPA 3050B	1,6010D	GD
Lead, Total	27.1		mg/kg	4.25	0.228	2	11/03/20 05:00	11/04/20 12:27	EPA 3050B	1,6010D	GD
Magnesium, Total	9210		mg/kg	8.49	1.31	2	11/03/20 05:00	11/04/20 12:27	EPA 3050B	1,6010D	GD
Manganese, Total	795		mg/kg	0.849	0.135	2	11/03/20 05:00	11/04/20 12:27	EPA 3050B	1,6010D	GD
Mercury, Total	0.086		mg/kg	0.071	0.046	1	11/03/20 08:40	11/03/20 17:27	EPA 7471B	1,7471B	AL
Nickel, Total	36.9		mg/kg	2.12	0.206	2	11/03/20 05:00	11/04/20 12:27	EPA 3050B	1,6010D	GD
Potassium, Total	6980		mg/kg	212	12.2	2	11/03/20 05:00	11/04/20 12:27	EPA 3050B	1,6010D	GD
Selenium, Total	ND		mg/kg	1.70	0.219	2	11/03/20 05:00	11/04/20 12:27	EPA 3050B	1,6010D	GD
Silver, Total	ND		mg/kg	0.849	0.240	2	11/03/20 05:00	11/04/20 12:27	EPA 3050B	1,6010D	GD
Sodium, Total	258		mg/kg	170	2.68	2	11/03/20 05:00	11/04/20 12:27	EPA 3050B	1,6010D	GD
Thallium, Total	ND		mg/kg	1.70	0.268	2	11/03/20 05:00	11/04/20 12:27	EPA 3050B	1,6010D	GD
Vanadium, Total	59.8		mg/kg	0.849	0.172	2	11/03/20 05:00	11/04/20 12:27	EPA 3050B	1,6010D	GD
Zinc, Total	70.8		mg/kg	4.25	0.249	2	11/03/20 05:00	11/04/20 12:27	EPA 3050B	1,6010D	GD
<b>General Chemistry - Mansfield Lab</b>											
Chromium, Trivalent	48		mg/kg	0.90	0.90	1		11/04/20 12:27	NA	107,-	





Project Name: 266-270 WEST 96TH ST

Lab Number: L2047390

Project Number: 170432001

Report Date: 11/16/20

## SAMPLE RESULTS

Lab ID: L2047390-03

Date Collected: 10/29/20 14:20

Client ID: SB-17\_0-2

Date Received: 10/29/20

Sample Location: NEW YORK, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Aluminum, Total	13000		mg/kg	9.39	2.53	2	11/03/20 05:00	11/04/20 12:32	EPA 3050B	1,6010D	GD
Antimony, Total	ND		mg/kg	4.69	0.357	2	11/03/20 05:00	11/04/20 12:32	EPA 3050B	1,6010D	GD
Arsenic, Total	11.0		mg/kg	0.939	0.195	2	11/03/20 05:00	11/04/20 12:32	EPA 3050B	1,6010D	GD
Barium, Total	90.3		mg/kg	0.939	0.163	2	11/03/20 05:00	11/04/20 12:32	EPA 3050B	1,6010D	GD
Beryllium, Total	ND		mg/kg	0.469	0.031	2	11/03/20 05:00	11/04/20 12:32	EPA 3050B	1,6010D	GD
Cadmium, Total	0.760	J	mg/kg	0.939	0.092	2	11/03/20 05:00	11/04/20 12:32	EPA 3050B	1,6010D	GD
Calcium, Total	8340		mg/kg	9.39	3.28	2	11/03/20 05:00	11/04/20 12:32	EPA 3050B	1,6010D	GD
Chromium, Total	24.9		mg/kg	0.939	0.090	2	11/03/20 05:00	11/04/20 12:32	EPA 3050B	1,6010D	GD
Cobalt, Total	12.8		mg/kg	1.88	0.156	2	11/03/20 05:00	11/04/20 12:32	EPA 3050B	1,6010D	GD
Copper, Total	28.3		mg/kg	0.939	0.242	2	11/03/20 05:00	11/04/20 12:32	EPA 3050B	1,6010D	GD
Iron, Total	22300		mg/kg	4.69	0.848	2	11/03/20 05:00	11/04/20 12:32	EPA 3050B	1,6010D	GD
Lead, Total	30.8		mg/kg	4.69	0.252	2	11/03/20 05:00	11/04/20 12:32	EPA 3050B	1,6010D	GD
Magnesium, Total	5390		mg/kg	9.39	1.44	2	11/03/20 05:00	11/04/20 12:32	EPA 3050B	1,6010D	GD
Manganese, Total	398		mg/kg	0.939	0.149	2	11/03/20 05:00	11/04/20 12:32	EPA 3050B	1,6010D	GD
Mercury, Total	0.409		mg/kg	0.075	0.049	1	11/03/20 08:40	11/03/20 17:30	EPA 7471B	1,7471B	AL
Nickel, Total	24.5		mg/kg	2.35	0.227	2	11/03/20 05:00	11/04/20 12:32	EPA 3050B	1,6010D	GD
Potassium, Total	3840		mg/kg	235	13.5	2	11/03/20 05:00	11/04/20 12:32	EPA 3050B	1,6010D	GD
Selenium, Total	ND		mg/kg	1.88	0.242	2	11/03/20 05:00	11/04/20 12:32	EPA 3050B	1,6010D	GD
Silver, Total	ND		mg/kg	0.939	0.266	2	11/03/20 05:00	11/04/20 12:32	EPA 3050B	1,6010D	GD
Sodium, Total	257		mg/kg	188	2.96	2	11/03/20 05:00	11/04/20 12:32	EPA 3050B	1,6010D	GD
Thallium, Total	ND		mg/kg	1.88	0.296	2	11/03/20 05:00	11/04/20 12:32	EPA 3050B	1,6010D	GD
Vanadium, Total	33.7		mg/kg	0.939	0.190	2	11/03/20 05:00	11/04/20 12:32	EPA 3050B	1,6010D	GD
Zinc, Total	56.2		mg/kg	4.69	0.275	2	11/03/20 05:00	11/04/20 12:32	EPA 3050B	1,6010D	GD
<b>General Chemistry - Mansfield Lab</b>											
Chromium, Trivalent	25		mg/kg	0.96	0.96	1		11/04/20 12:32	NA	107,-	



**Project Name:** 266-270 WEST 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047390  
**Report Date:** 11/16/20

## Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-03 Batch: WG1429327-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	11/03/20 05:00	11/04/20 11:21	1,6010D	GD
Antimony, Total	0.172	J	mg/kg	2.00	0.152	1	11/03/20 05:00	11/04/20 11:21	1,6010D	GD
Arsenic, Total	ND		mg/kg	0.400	0.083	1	11/03/20 05:00	11/04/20 11:21	1,6010D	GD
Barium, Total	ND		mg/kg	0.400	0.070	1	11/03/20 05:00	11/04/20 11:21	1,6010D	GD
Beryllium, Total	ND		mg/kg	0.200	0.013	1	11/03/20 05:00	11/04/20 11:21	1,6010D	GD
Cadmium, Total	ND		mg/kg	0.400	0.039	1	11/03/20 05:00	11/04/20 11:21	1,6010D	GD
Calcium, Total	ND		mg/kg	4.00	1.40	1	11/03/20 05:00	11/04/20 11:21	1,6010D	GD
Chromium, Total	ND		mg/kg	0.400	0.038	1	11/03/20 05:00	11/04/20 11:21	1,6010D	GD
Cobalt, Total	ND		mg/kg	0.800	0.066	1	11/03/20 05:00	11/04/20 11:21	1,6010D	GD
Copper, Total	ND		mg/kg	0.400	0.103	1	11/03/20 05:00	11/04/20 11:21	1,6010D	GD
Iron, Total	0.512	J	mg/kg	2.00	0.361	1	11/03/20 05:00	11/04/20 11:21	1,6010D	GD
Lead, Total	ND		mg/kg	2.00	0.107	1	11/03/20 05:00	11/04/20 11:21	1,6010D	GD
Magnesium, Total	ND		mg/kg	4.00	0.616	1	11/03/20 05:00	11/04/20 11:21	1,6010D	GD
Manganese, Total	ND		mg/kg	0.400	0.064	1	11/03/20 05:00	11/04/20 11:21	1,6010D	GD
Nickel, Total	ND		mg/kg	1.00	0.097	1	11/03/20 05:00	11/04/20 11:21	1,6010D	GD
Potassium, Total	ND		mg/kg	100	5.76	1	11/03/20 05:00	11/04/20 11:21	1,6010D	GD
Selenium, Total	ND		mg/kg	0.800	0.103	1	11/03/20 05:00	11/04/20 11:21	1,6010D	GD
Silver, Total	ND		mg/kg	0.400	0.113	1	11/03/20 05:00	11/04/20 11:21	1,6010D	GD
Sodium, Total	ND		mg/kg	80.0	1.26	1	11/03/20 05:00	11/04/20 11:21	1,6010D	GD
Thallium, Total	ND		mg/kg	0.800	0.126	1	11/03/20 05:00	11/04/20 11:21	1,6010D	GD
Vanadium, Total	ND		mg/kg	0.400	0.081	1	11/03/20 05:00	11/04/20 11:21	1,6010D	GD
Zinc, Total	ND		mg/kg	2.00	0.117	1	11/03/20 05:00	11/04/20 11:21	1,6010D	GD

### Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-03 Batch: WG1429329-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	11/03/20 08:40	11/03/20 16:34	1,7471B	AL



**Project Name:** 266-270 WEST 96TH ST

**Lab Number:** L2047390

**Project Number:** 170432001

**Report Date:** 11/16/20

## Method Blank Analysis Batch Quality Control

### Prep Information

---

Digestion Method: EPA 7471B

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 266-270 WEST 96TH ST

Lab Number: L2047390

Project Number: 170432001

Report Date: 11/16/20

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Total Metals - Mansfield Lab Associated sample(s): 01-03 Batch: WG1429327-2 SRM Lot Number: D109-540								
Aluminum, Total	83		-		50-150	-		
Antimony, Total	151		-		19-250	-		
Arsenic, Total	102		-		70-130	-		
Barium, Total	100		-		75-125	-		
Beryllium, Total	106		-		75-125	-		
Cadmium, Total	103		-		75-125	-		
Calcium, Total	99		-		73-128	-		
Chromium, Total	97		-		70-130	-		
Cobalt, Total	104		-		75-125	-		
Copper, Total	99		-		75-125	-		
Iron, Total	97		-		35-165	-		
Lead, Total	98		-		72-128	-		
Magnesium, Total	93		-		62-138	-		
Manganese, Total	100		-		74-126	-		
Nickel, Total	104		-		70-130	-		
Potassium, Total	92		-		59-141	-		
Selenium, Total	104		-		68-132	-		
Silver, Total	94		-		68-131	-		
Sodium, Total	104		-		35-165	-		
Thallium, Total	100		-		68-131	-		
Vanadium, Total	97		-		59-141	-		

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 266-270 WEST 96TH ST

**Project Number:** 170432001

**Lab Number:** L2047390

**Report Date:** 11/16/20

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03 Batch: WG1429327-2 SRM Lot Number: D109-540					
Zinc, Total	99	-	70-130	-	
Total Metals - Mansfield Lab Associated sample(s): 01-03 Batch: WG1429329-2 SRM Lot Number: D109-540					
Mercury, Total	112	-	60-140	-	

### Matrix Spike Analysis Batch Quality Control

Project Name: 266-270 WEST 96TH ST

Lab Number: L2047390

Project Number: 170432001

Report Date: 11/16/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03    QC Batch ID: WG1429327-3    QC Sample: L2047198-01    Client ID: MS Sample												
Aluminum, Total	7510	238	10500	1260	Q	-	-		75-125	-		20
Antimony, Total	4.40	59.4	44.8	68	Q	-	-		75-125	-		20
Arsenic, Total	8.54	14.3	19.4	76		-	-		75-125	-		20
Barium, Total	107	238	296	79		-	-		75-125	-		20
Beryllium, Total	0.739	5.94	5.41	78		-	-		75-125	-		20
Cadmium, Total	0.603	6.06	5.16	75		-	-		75-125	-		20
Calcium, Total	1470	1190	3430	165	Q	-	-		75-125	-		20
Chromium, Total	8.96	23.8	27.4	78		-	-		75-125	-		20
Cobalt, Total	7.76	59.4	51.0	73	Q	-	-		75-125	-		20
Copper, Total	7.93	29.7	31.0	78		-	-		75-125	-		20
Iron, Total	14900	119	16100	1010	Q	-	-		75-125	-		20
Lead, Total	473	60.6	554	134	Q	-	-		75-125	-		20
Magnesium, Total	1230	1190	2220	83		-	-		75-125	-		20
Manganese, Total	968	59.4	1250	474	Q	-	-		75-125	-		20
Nickel, Total	9.02	59.4	50.6	70	Q	-	-		75-125	-		20
Potassium, Total	445	1190	1430	83		-	-		75-125	-		20
Selenium, Total	0.432J	14.3	11.2	78		-	-		75-125	-		20
Silver, Total	ND	35.7	25.9	73	Q	-	-		75-125	-		20
Sodium, Total	16.0J	1190	966	81		-	-		75-125	-		20
Thallium, Total	0.757J	14.3	10.5	74	Q	-	-		75-125	-		20
Vanadium, Total	13.9	59.4	57.4	73	Q	-	-		75-125	-		20

**Matrix Spike Analysis**  
Batch Quality Control

Project Name: 266-270 WEST 96TH ST

Lab Number: L2047390

Project Number: 170432001

Report Date: 11/16/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1429327-3 QC Sample: L2047198-01 Client ID: MS Sample									
Zinc, Total	31.5	59.4	78.0	78	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1429329-3 QC Sample: L2033286-101 Client ID: MS Sample									
Mercury, Total	ND	0.125	0.131	104	-	-	80-120	-	20

## Lab Duplicate Analysis

*Batch Quality Control*

Project Name: 266-270 WEST 96TH ST

Project Number: 170432001

Lab Number: L2047390

Report Date: 11/16/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1429327-4 QC Sample: L2047198-01 Client ID: DUP Sample						
Lead, Total	473	386	mg/kg	20		20
Total Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1429329-4 QC Sample: L2033286-101 Client ID: DUP Sample						
Mercury, Total	ND	ND	mg/kg	NC		20



# **INORGANICS & MISCELLANEOUS**

**Project Name:** 266-270 WEST 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047390  
**Report Date:** 11/16/20

**SAMPLE RESULTS**

**Lab ID:** L2047390-01  
**Client ID:** SB-15\_0-2  
**Sample Location:** NEW YORK, NY

**Date Collected:** 10/29/20 12:00  
**Date Received:** 10/29/20  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	88.9		%	0.100	NA	1	-	10/30/20 12:14	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.1	0.24	1	10/30/20 12:35	10/30/20 16:07	1,9010C/9012B	CR
Chromium, Hexavalent	ND		mg/kg	0.900	0.180	1	10/30/20 13:41	10/30/20 21:30	1,7196A	DR



**Project Name:** 266-270 WEST 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047390  
**Report Date:** 11/16/20

**SAMPLE RESULTS**

**Lab ID:** L2047390-02  
**Client ID:** SB-15\_2.5-4.5  
**Sample Location:** NEW YORK, NY

**Date Collected:** 10/29/20 12:45  
**Date Received:** 10/29/20  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	89.2		%	0.100	NA	1	-	10/30/20 12:14	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.0	0.22	1	10/30/20 12:35	10/30/20 16:08	1,9010C/9012B	CR
Chromium, Hexavalent	ND		mg/kg	0.897	0.179	1	10/30/20 13:41	10/30/20 21:30	1,7196A	DR



**Project Name:** 266-270 WEST 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047390  
**Report Date:** 11/16/20

**SAMPLE RESULTS**

**Lab ID:** L2047390-03  
**Client ID:** SB-17\_0-2  
**Sample Location:** NEW YORK, NY

**Date Collected:** 10/29/20 14:20  
**Date Received:** 10/29/20  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	83.1		%	0.100	NA	1	-	10/30/20 12:14	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.2	0.24	1	10/30/20 12:35	10/30/20 16:09	1,9010C/9012B	CR
Chromium, Hexavalent	ND		mg/kg	0.963	0.192	1	10/30/20 13:41	10/30/20 21:30	1,7196A	DR



Project Name: 266-270 WEST 96TH ST

Lab Number: L2047390

Project Number: 170432001

Report Date: 11/16/20

**Method Blank Analysis**  
**Batch Quality Control**

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01-03 Batch: WG1428532-1									
Cyanide, Total	ND	mg/kg	0.98	0.21	1	10/30/20 12:35	10/30/20 15:50	1,9010C/9012B	CR
General Chemistry - Westborough Lab for sample(s): 01-03 Batch: WG1428722-1									
Chromium, Hexavalent	ND	mg/kg	0.800	0.160	1	10/30/20 13:41	10/30/20 21:30	1,7196A	DR

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 266-270 WEST 96TH ST

**Project Number:** 170432001

**Lab Number:** L2047390

**Report Date:** 11/16/20

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
General Chemistry - Westborough Lab Associated sample(s): 01-03 Batch: WG1428532-2 WG1428532-3								
Cyanide, Total	83		80		80-120	10		35
General Chemistry - Westborough Lab Associated sample(s): 01-03 Batch: WG1428722-2								
Chromium, Hexavalent	87		-		80-120	-		20

### Matrix Spike Analysis Batch Quality Control

**Project Name:** 266-270 WEST 96TH ST

**Lab Number:** L2047390

**Project Number:** 170432001

**Report Date:** 11/16/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Qual	MSD Found	MSD %Recovery	MSD Qual	Recovery Limits	RPD	RPD Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG1428532-4 WG1428532-5 QC Sample: L2046722-01 Client ID: MS Sample												
Cyanide, Total	ND	12	10	86		10	89		75-125	0		35
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG1428722-4 QC Sample: L2047390-01 Client ID: SB-15_0-2												
Chromium, Hexavalent	ND	733	851	116		-	-		75-125	-		20

## Lab Duplicate Analysis

*Batch Quality Control*

**Project Name:** 266-270 WEST 96TH ST

**Project Number:** 170432001

**Lab Number:** L2047390

**Report Date:** 11/16/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG1428538-1 QC Sample: L2047463-01 Client ID: DUP Sample						
Solids, Total	86.9	87.6	%	1		20
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG1428722-6 QC Sample: L2047390-01 Client ID: SB-15_0-2						
Chromium, Hexavalent	ND	ND	mg/kg	NC		20



**Project Name:** 266-270 WEST 96TH ST  
**Project Number:** 170432001

Serial\_No:11162014:32  
**Lab Number:** L2047390  
**Report Date:** 11/16/20

**Sample Receipt and Container Information**

Were project specific reporting limits specified? YES

**Cooler Information**

**Cooler**                      **Custody Seal**  
A                                      Absent

**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2047390-01A	Vial MeOH preserved	A	NA		3.3	Y	Absent		NYTCL-8260HLW(14)
L2047390-01B	Vial water preserved	A	NA		3.3	Y	Absent	30-OCT-20 10:14	NYTCL-8260HLW(14)
L2047390-01C	Vial water preserved	A	NA		3.3	Y	Absent	30-OCT-20 10:14	NYTCL-8260HLW(14)
L2047390-01D	Plastic 2oz unpreserved for TS	A	NA		3.3	Y	Absent		TS(7)
L2047390-01E	Plastic 2oz unpreserved for TS	A	NA		3.3	Y	Absent		TS(7)
L2047390-01F	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.3	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),NI-TI(180),TL-TI(180),AL-TI(180),CR-TI(180),ZN-TI(180),SE-TI(180),PB-TI(180),SB-TI(180),CU-TI(180),V-TI(180),CO-TI(180),HG-T(28),MG-TI(180),MN-TI(180),FE-TI(180),CD-TI(180),NA-TI(180),K-TI(180),CA-TI(180)
L2047390-01G	Plastic 8oz unpreserved	A	NA		3.3	Y	Absent		A2-NY-537-ISOTOPE(14)
L2047390-01H	Glass 120ml/4oz unpreserved	A	NA		3.3	Y	Absent		NYTCL-8270(14),TCN-9010(14),TRICR-CALC(30),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30)
L2047390-01I	Glass 250ml/8oz unpreserved	A	NA		3.3	Y	Absent		NYTCL-8270(14),TCN-9010(14),TRICR-CALC(30),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30)
L2047390-02A	Vial MeOH preserved	A	NA		3.3	Y	Absent		NYTCL-8260HLW(14)
L2047390-02B	Vial water preserved	A	NA		3.3	Y	Absent	30-OCT-20 10:14	NYTCL-8260HLW(14)
L2047390-02C	Vial water preserved	A	NA		3.3	Y	Absent	30-OCT-20 10:14	NYTCL-8260HLW(14)
L2047390-02D	Plastic 2oz unpreserved for TS	A	NA		3.3	Y	Absent		TS(7)
L2047390-02E	Plastic 2oz unpreserved for TS	A	NA		3.3	Y	Absent		TS(7)
L2047390-02F	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.3	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),CR-TI(180),TL-TI(180),AL-TI(180),NI-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),SB-TI(180),CU-TI(180),CO-TI(180),V-TI(180),HG-T(28),MG-TI(180),FE-TI(180),MN-TI(180),CA-TI(180),K-TI(180),NA-TI(180),CD-TI(180)
L2047390-02G	Plastic 8oz unpreserved	A	NA		3.3	Y	Absent		A2-NY-537-ISOTOPE(14)

\*Values in parentheses indicate holding time in days



**Project Name:** 266-270 WEST 96TH ST  
**Project Number:** 170432001

**Serial\_No:**11162014:32  
**Lab Number:** L2047390  
**Report Date:** 11/16/20

**Container Information**

<b>Container ID</b>	<b>Container Type</b>	<b>Cooler</b>	<b>Initial pH</b>	<b>Final pH</b>	<b>Temp deg C</b>	<b>Pres</b>	<b>Seal</b>	<b>Frozen Date/Time</b>	<b>Analysis(*)</b>
L2047390-02H	Glass 120ml/4oz unpreserved	A	NA		3.3	Y	Absent		NYTCL-8270(14),TCN-9010(14),TRICR-CALC(30),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30)
L2047390-02I	Glass 250ml/8oz unpreserved	A	NA		3.3	Y	Absent		NYTCL-8270(14),TCN-9010(14),TRICR-CALC(30),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30)
L2047390-03A	Vial MeOH preserved	A	NA		3.3	Y	Absent		NYTCL-8260HLW(14)
L2047390-03B	Vial water preserved	A	NA		3.3	Y	Absent	30-OCT-20 10:14	NYTCL-8260HLW(14)
L2047390-03C	Vial water preserved	A	NA		3.3	Y	Absent	30-OCT-20 10:14	NYTCL-8260HLW(14)
L2047390-03D	Plastic 2oz unpreserved for TS	A	NA		3.3	Y	Absent		TS(7)
L2047390-03E	Plastic 2oz unpreserved for TS	A	NA		3.3	Y	Absent		TS(7)
L2047390-03F	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.3	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),NI-TI(180),CR-TI(180),TL-TI(180),AL-TI(180),PB-TI(180),ZN-TI(180),SB-TI(180),CU-TI(180),SE-TI(180),V-TI(180),CO-TI(180),MG-TI(180),FE-TI(180),HG-T(28),MN-TI(180),CD-TI(180),NA-TI(180),K-TI(180),CA-TI(180)
L2047390-03G	Plastic 8oz unpreserved	A	NA		3.3	Y	Absent		A2-NY-537-ISOTOPE(14)
L2047390-03H	Glass 120ml/4oz unpreserved	A	NA		3.3	Y	Absent		NYTCL-8270(14),TCN-9010(14),TRICR-CALC(30),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30)
L2047390-03I	Glass 250ml/8oz unpreserved	A	NA		3.3	Y	Absent		NYTCL-8270(14),TCN-9010(14),TRICR-CALC(30),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30)
L2047390-04A	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260(14)
L2047390-04B	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260(14)
L2047390-05A	Plastic 250ml unpreserved	A	NA		3.3	Y	Absent		A2-NY-537-ISOTOPE(14)

**Project Name:** 266-270 WEST 96TH ST  
**Project Number:** 170432001

Serial\_No:11162014:32  
**Lab Number:** L2047390  
**Report Date:** 11/16/20

### PFAS PARAMETER SUMMARY

Parameter	Acronym	CAS Number
<b>PERFLUOROALKYL CARBOXYLIC ACIDS (PFCAs)</b>		
Perfluorooctadecanoic Acid	PFODA	16517-11-6
Perfluorohexadecanoic Acid	PFHxDA	67905-19-5
Perfluorotetradecanoic Acid	PFTA	376-06-7
Perfluorotridecanoic Acid	PFTrDA	72629-94-8
Perfluorododecanoic Acid	PFDoA	307-55-1
Perfluoroundecanoic Acid	PFUnA	2058-94-8
Perfluorodecanoic Acid	PFDA	335-76-2
Perfluorononanoic Acid	PFNA	375-95-1
Perfluorooctanoic Acid	PFOA	335-67-1
Perfluoroheptanoic Acid	PFHpA	375-85-9
Perfluorohexanoic Acid	PFHxA	307-24-4
Perfluoropentanoic Acid	PFPeA	2706-90-3
Perfluorobutanoic Acid	PFBA	375-22-4
<b>PERFLUOROALKYL SULFONIC ACIDS (PFSAs)</b>		
Perfluorododecanesulfonic Acid	PFDoDS	79780-39-5
Perfluorodecanesulfonic Acid	PFDS	335-77-3
Perfluorononanesulfonic Acid	PFNS	68259-12-1
Perfluorooctanesulfonic Acid	PFOS	1763-23-1
Perfluoroheptanesulfonic Acid	PFHpS	375-92-8
Perfluorohexanesulfonic Acid	PFHxS	355-46-4
Perfluoropentanesulfonic Acid	PFPeS	2706-91-4
Perfluorobutanesulfonic Acid	PFBS	375-73-5
<b>FLUOROTELOMERS</b>		
1H,1H,2H,2H-Perfluorododecanesulfonic Acid	10:2FTS	120226-60-0
1H,1H,2H,2H-Perfluorodecanesulfonic Acid	8:2FTS	39108-34-4
1H,1H,2H,2H-Perfluorooctanesulfonic Acid	6:2FTS	27619-97-2
1H,1H,2H,2H-Perfluorohexanesulfonic Acid	4:2FTS	757124-72-4
<b>PERFLUOROALKANE SULFONAMIDES (FASAs)</b>		
Perfluorooctanesulfonamide	FOSA	754-91-6
N-Ethyl Perfluorooctane Sulfonamide	NEtFOSA	4151-50-2
N-Methyl Perfluorooctane Sulfonamide	NMeFOSA	31506-32-8
<b>PERFLUOROALKANE SULFONYL SUBSTANCES</b>		
N-Ethyl Perfluorooctanesulfonamido Ethanol	NEtFOSE	1691-99-2
N-Methyl Perfluorooctanesulfonamido Ethanol	NMeFOSE	24448-09-7
N-Ethyl Perfluorooctanesulfonamidoacetic Acid	NEtFOSAA	2991-50-6
N-Methyl Perfluorooctanesulfonamidoacetic Acid	NMeFOSAA	2355-31-9
<b>PER- and POLYFLUOROALKYL ETHER CARBOXYLIC ACIDS</b>		
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid	HFPO-DA	13252-13-6
4,8-Dioxa-3h-Perfluorononanoic Acid	ADONA	919005-14-4
<b>CHLORO-PERFLUOROALKYL SULFONIC ACIDS</b>		
11-Chloroeicosafuoro-3-Oxaundecane-1-Sulfonic Acid	11Cl-PF3OUdS	763051-92-9
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid	9Cl-PF3ONS	756426-58-1
<b>PERFLUOROETHER SULFONIC ACIDS (PFESAs)</b>		
Perfluoro(2-Ethoxyethane)Sulfonic Acid	PFEEESA	113507-82-7
<b>PERFLUOROETHER/POLYETHER CARBOXYLIC ACIDS (PFPCAs)</b>		
Perfluoro-3-Methoxypropanoic Acid	PFMPA	377-73-1
Perfluoro-4-Methoxybutanoic Acid	PFMBA	863090-89-5
Nonafluoro-3,6-Dioxaheptanoic Acid	NFDHA	151772-58-6

**Project Name:** 266-270 WEST 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047390  
**Report Date:** 11/16/20

## GLOSSARY

### Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)  Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers



**Project Name:** 266-270 WEST 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047390  
**Report Date:** 11/16/20

#### Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

#### Terms

**Analytical Method:** Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

**Difference:** With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

**Final pH:** As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

**Frozen Date/Time:** With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

**Initial pH:** As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

**PAH Total:** With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benzo(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

**PFAS Total:** With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

**Total:** With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

#### Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where

Report Format: DU Report with 'J' Qualifiers



**Project Name:** 266-270 WEST 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047390  
**Report Date:** 11/16/20

**Data Qualifiers**

the identification is based on a mass spectral library search.

- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.

Report Format: DU Report with 'J' Qualifiers

---



**Project Name:** 266-270 WEST 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047390  
**Report Date:** 11/16/20

## REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.
- 107 Alpha Analytical - In-house calculation method.
- 121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.
- 134 Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry (LC/MS/MS) using Isotope Dilution. Alpha SOP 23528.

## LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



## Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

### Westborough Facility

**EPA 624/624.1:** m/p-xylene, o-xylene, Naphthalene

**EPA 8260C:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.

**EPA 8270D:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.

**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO<sub>2</sub>, NO<sub>3</sub>.

### Mansfield Facility

**SM 2540D:** TSS

**EPA 8082A:** NPW: PCB: 1, 5, 31, 87, 101, 110, 141, 151, 153, 180, 183, 187.

**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

**EPA TO-12** Non-methane organics

**EPA 3C** Fixed gases

**Biological Tissue Matrix:** EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

### Westborough Facility:

#### Drinking Water

**EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,**

**EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**

**EPA 332:** Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.

**Microbiology:** **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.**

#### Non-Potable Water

**SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:** Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.

**EPA 624.1:** Volatile Halocarbons & Aromatics,

**EPA 608.3:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

**EPA 625.1:** SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.

**Microbiology:** **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.**

### Mansfield Facility:

#### Drinking Water

**EPA 200.7:** Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.

**EPA 522.**

#### Non-Potable Water

**EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.


**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.

**EPA 245.1** Hg.

**SM2340B**

For a complete listing of analytes and methods, please contact your Alpha Project Manager.



 <p><b>NEW YORK CHAIN OF CUSTODY</b></p> <p>Westborough, MA 01581 8 Walkup Dr. TEL: 508-898-9220 FAX: 508-898-9193</p> <p>Mansfield, MA 02048 320 Forbes Blvd TEL: 508-822-9300 FAX: 508-822-3288</p>	<p><b>Service Centers</b></p> <p>Mahwah, NJ 07430: 35 Whitney Rd, Suite 5 Albany, NY 12205: 14 Walker Way Tonawanda, NY 14150: 275 Cooper Ave, Suite 105</p>	<p>Page</p> <p>4 of 4</p> <p>1 of 1</p>	<p>Date Rec'd in Lab</p> <p>10/30/20</p>	<p>L2047390</p> <p>ALPHA Job #</p> <p>204730</p>																																																																																				
	<p><b>Project Information</b></p> <p>Project Name: 266-270 West 96th St</p> <p>Project Location: New York, NY</p> <p>Project # 170432001</p> <p>(Use Project name as Project #) <input type="checkbox"/></p> <p>Project Manager: KIMBERLY SEMON</p> <p>ALPHAQuote #:</p> <p>Turn-Around Time</p> <p>Standard <input checked="" type="checkbox"/> Due Date:</p> <p>Rush (only if pre approved) <input type="checkbox"/> # of Days:</p>	<p><b>Deliverables</b></p> <p><input type="checkbox"/> ASP-A <input checked="" type="checkbox"/> ASP-B</p> <p><input type="checkbox"/> EQUIS (1 File) <input type="checkbox"/> EQUIS (4 File)</p> <p><input type="checkbox"/> Other</p>	<p><b>Billing Information</b></p> <p><input checked="" type="checkbox"/> Same as Client Info</p> <p>PO #</p>																																																																																					
<p><b>Client Information</b></p> <p>Client: LANGAN DPC</p> <p>Address:</p> <p>Phone:</p> <p>Fax:</p> <p>Email: ksemon@langan.com</p>	<p><b>Regulatory Requirement</b></p> <p><input type="checkbox"/> NY TOGS <input checked="" type="checkbox"/> NY Part 375</p> <p><input type="checkbox"/> AWQ Standards <input type="checkbox"/> NY CP-51</p> <p><input type="checkbox"/> NY Restricted Use <input checked="" type="checkbox"/> Other</p> <p><input type="checkbox"/> NY Unrestricted Use</p> <p><input type="checkbox"/> NYC Sewer Discharge</p> <p>TCL</p>	<p><b>Disposal Site Information</b></p> <p>Please identify below location of applicable disposal facilities.</p> <p>Disposal Facility:</p> <p><input type="checkbox"/> NJ <input type="checkbox"/> NY</p> <p><input type="checkbox"/> Other:</p>																																																																																						
<p>These samples have been previously analyzed by Alpha <input type="checkbox"/></p> <p><b>Other project specific requirements/comments:</b></p> <p>email jyanowitz@langan.com</p> <p>Please specify Metals or TAL.</p>	<p><b>ANALYSIS</b></p> <p>TC/Part 375 VOCs</p> <p>TC/Part 375 SVOCs</p> <p>Part 375 PCBs + pesticides</p> <p>TAL/Part 375 Metals</p> <p>cyanide, hexl</p> <p>trichromium</p> <p>PFAS/PAHs</p>	<p><b>Sample Filtration</b></p> <p><input type="checkbox"/> Done</p> <p><input type="checkbox"/> Lab to do</p> <p><b>Preservation</b></p> <p><input type="checkbox"/> Lab to do</p> <p>(Please Specify below)</p>																																																																																						
<table border="1"> <thead> <tr> <th rowspan="2">ALPHA Lab ID (Lab Use Only)</th> <th rowspan="2">Sample ID</th> <th colspan="2">Collection</th> <th rowspan="2">Sample Matrix</th> <th rowspan="2">Sampler's Initials</th> <th rowspan="2">TC/Part 375 VOCs</th> <th rowspan="2">TC/Part 375 SVOCs</th> <th rowspan="2">Part 375 PCBs + pesticides</th> <th rowspan="2">TAL/Part 375 Metals</th> <th rowspan="2">cyanide, hexl</th> <th rowspan="2">trichromium</th> <th rowspan="2">PFAS/PAHs</th> <th rowspan="2">Sample Specific Comments</th> </tr> <tr> <th>Date</th> <th>Time</th> </tr> </thead> <tbody> <tr> <td>04 + 3900</td> <td>SB-15_0-2</td> <td>10/29/20</td> <td>1200</td> <td>S</td> <td>MA</td> <td>&lt;</td> <td>&lt;</td> <td>&lt;</td> <td>&lt;</td> <td>&lt;</td> <td>&lt;</td> <td>&lt;</td> <td></td> </tr> <tr> <td>-02</td> <td>SB-15_2.5-4.5</td> <td></td> <td>1245</td> <td></td> <td></td> <td>&lt;</td> <td>&lt;</td> <td>&lt;</td> <td>&lt;</td> <td>&lt;</td> <td>&lt;</td> <td>&lt;</td> <td></td> </tr> <tr> <td>-03</td> <td>SB-17_0-2</td> <td></td> <td>1420</td> <td></td> <td></td> <td>&lt;</td> <td>&lt;</td> <td>&lt;</td> <td>&lt;</td> <td>&lt;</td> <td>&lt;</td> <td>&lt;</td> <td></td> </tr> <tr> <td>-04</td> <td>BTB01-10292020</td> <td></td> <td>1505</td> <td></td> <td></td> <td>&lt;</td> <td>&lt;</td> <td>&lt;</td> <td>&lt;</td> <td>&lt;</td> <td>&lt;</td> <td>&lt;</td> <td></td> </tr> <tr> <td>-05</td> <td>SBEB01-10292020</td> <td></td> <td>1505</td> <td></td> <td></td> <td>&lt;</td> <td>&lt;</td> <td>&lt;</td> <td>&lt;</td> <td>&lt;</td> <td>&lt;</td> <td>&lt;</td> <td></td> </tr> </tbody> </table>	ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials	TC/Part 375 VOCs	TC/Part 375 SVOCs	Part 375 PCBs + pesticides	TAL/Part 375 Metals	cyanide, hexl	trichromium	PFAS/PAHs	Sample Specific Comments	Date	Time	04 + 3900	SB-15_0-2	10/29/20	1200	S	MA	<	<	<	<	<	<	<		-02	SB-15_2.5-4.5		1245			<	<	<	<	<	<	<		-03	SB-17_0-2		1420			<	<	<	<	<	<	<		-04	BTB01-10292020		1505			<	<	<	<	<	<	<		-05	SBEB01-10292020		1505			<	<	<	<	<	<	<		<p>Westboro: Certification No: MA935</p> <p>Mansfield: Certification No: MA015</p> <p>Container Type</p> <p>Preservative</p>	<p>Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS &amp; CONDITIONS. (See reverse side.)</p>
ALPHA Lab ID (Lab Use Only)			Sample ID	Collection											Sample Matrix	Sampler's Initials	TC/Part 375 VOCs	TC/Part 375 SVOCs	Part 375 PCBs + pesticides	TAL/Part 375 Metals	cyanide, hexl	trichromium	PFAS/PAHs	Sample Specific Comments																																																																
	Date	Time																																																																																						
04 + 3900	SB-15_0-2	10/29/20	1200	S	MA	<	<	<	<	<	<	<																																																																												
-02	SB-15_2.5-4.5		1245			<	<	<	<	<	<	<																																																																												
-03	SB-17_0-2		1420			<	<	<	<	<	<	<																																																																												
-04	BTB01-10292020		1505			<	<	<	<	<	<	<																																																																												
-05	SBEB01-10292020		1505			<	<	<	<	<	<	<																																																																												
<p>Preservative Code:</p> <p>A = None</p> <p>B = HCl</p> <p>C = HNO<sub>3</sub></p> <p>D = H<sub>2</sub>SO<sub>4</sub></p> <p>E = NaOH</p> <p>F = MeOH</p> <p>G = NaHSO<sub>4</sub></p> <p>H = Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub></p> <p>K/E = Zn Ac/NaOH</p> <p>O = Other</p>	<p>Container Code</p> <p>P = Plastic</p> <p>A = Amber Glass</p> <p>V = Vial</p> <p>G = Glass</p> <p>B = Bacteria Cup</p> <p>C = Cube</p> <p>O = Other</p> <p>E = Encore</p> <p>D = BOD Bottle</p>	<p>Relinquished By:</p> <p>Date/Time</p> <p>10/29/20 1530</p> <p>10/29/20 1430</p> <p>10/30/20 0005</p>	<p>Received By:</p> <p>Date/Time</p> <p>10/29/20 1530</p> <p>10/29/20 2000</p> <p>10/30/20 0005</p>																																																																																					



## ANALYTICAL REPORT

Lab Number:	L2047744
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Kimberly Semon
Phone:	(212) 479-5486
Project Name:	266-270 WEST 96TH ST
Project Number:	170432001
Report Date:	11/13/20

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

---

Eight Walkup Drive, Westborough, MA 01581-1019  
508-898-9220 (Fax) 508-898-9193 800-624-9220 - [www.alphalab.com](http://www.alphalab.com)



**Project Name:** 266-270 WEST 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047744  
**Report Date:** 11/13/20

<b>Alpha Sample ID</b>	<b>Client ID</b>	<b>Matrix</b>	<b>Sample Location</b>	<b>Collection Date/Time</b>	<b>Receive Date</b>
L2047744-01	SB16_0-2	SOIL	NEW YORK, NY	10/30/20 12:20	10/30/20
L2047744-02	SB16_2-4.5	SOIL	NEW YORK, NY	10/30/20 13:00	10/30/20
L2047744-03	SBTB02_10302020	TRIP BLANK (AQUEOUS)	NEW YORK, NY	10/30/20 14:00	10/30/20
L2047744-04	SBEB02_10302020	EQUIPMENT BLANK	NEW YORK, NY	10/30/20 14:30	10/30/20

**Project Name:** 266-270 WEST 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047744  
**Report Date:** 11/13/20

### Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

**HOLD POLICY** - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

---

**Project Name:** 266-270 WEST 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047744  
**Report Date:** 11/13/20

### Case Narrative (continued)

#### Report Submission

November 13, 2020: This final report includes the results of all requested analyses.

November 05, 2020: This is a preliminary report.

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

#### Semivolatile Organics

L2047744-01: The sample has elevated detection limits due to limited sample volume available for analysis.

#### Perfluorinated Alkyl Acids by Isotope Dilution

L2047744-02: Extracted Internal Standard recoveries were outside the acceptance criteria for individual analytes. Please refer to the surrogate section of the report for details.

L2047744-02: The MeOH fraction of the extraction is reported for the following compounds:

Perfluorooctanesulfonamide (FOSA) due to better extraction efficiency of the Surrogates (Extracted Internal Standards).

#### PCBs

L2047744-01: The sample has elevated detection limits due to the limited sample volume utilized during extraction, as required by the sample matrix.

#### Total Metals

L2047744-01 and 02: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.

#### Cyanide, Total

The WG1429289-2/-3 LCS/LCSD recoveries for cyanide, total (71%/77%), associated with L2047744-01 and

**Project Name:** 266-270 WEST 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047744  
**Report Date:** 11/13/20

**Case Narrative (continued)**

-02, are outside our in-house acceptance criteria, but within the vendor-certified acceptance limits. The results of the original analyses are reported.

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. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:

 Cristin Walker

Title: Technical Director/Representative

Date: 11/13/20

# ORGANICS

# VOLATILES



**Project Name:** 266-270 WEST 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047744  
**Report Date:** 11/13/20

**SAMPLE RESULTS**

**Lab ID:** L2047744-01  
**Client ID:** SB16\_0-2  
**Sample Location:** NEW YORK, NY

**Date Collected:** 10/30/20 12:20  
**Date Received:** 10/30/20  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8260C  
**Analytical Date:** 11/03/20 19:55  
**Analyst:** JC  
**Percent Solids:** 93%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by EPA 5035 Low - Westborough Lab</b>						
Methylene chloride	ND		ug/kg	4.0	1.8	1
1,1-Dichloroethane	ND		ug/kg	0.81	0.12	1
Chloroform	ND		ug/kg	1.2	0.11	1
Carbon tetrachloride	ND		ug/kg	0.81	0.19	1
1,2-Dichloropropane	ND		ug/kg	0.81	0.10	1
Dibromochloromethane	ND		ug/kg	0.81	0.11	1
1,1,2-Trichloroethane	ND		ug/kg	0.81	0.22	1
Tetrachloroethene	ND		ug/kg	0.40	0.16	1
Chlorobenzene	ND		ug/kg	0.40	0.10	1
Trichlorofluoromethane	ND		ug/kg	3.2	0.56	1
1,2-Dichloroethane	ND		ug/kg	0.81	0.21	1
1,1,1-Trichloroethane	ND		ug/kg	0.40	0.14	1
Bromodichloromethane	ND		ug/kg	0.40	0.09	1
trans-1,3-Dichloropropene	ND		ug/kg	0.81	0.22	1
cis-1,3-Dichloropropene	ND		ug/kg	0.40	0.13	1
1,3-Dichloropropene, Total	ND		ug/kg	0.40	0.13	1
1,1-Dichloropropene	ND		ug/kg	0.40	0.13	1
Bromoform	ND		ug/kg	3.2	0.20	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.40	0.13	1
Benzene	ND		ug/kg	0.40	0.13	1
Toluene	ND		ug/kg	0.81	0.44	1
Ethylbenzene	0.38	J	ug/kg	0.81	0.11	1
Chloromethane	ND		ug/kg	3.2	0.76	1
Bromomethane	ND		ug/kg	1.6	0.47	1
Vinyl chloride	ND		ug/kg	0.81	0.27	1
Chloroethane	ND		ug/kg	1.6	0.37	1
1,1-Dichloroethene	ND		ug/kg	0.81	0.19	1
trans-1,2-Dichloroethene	ND		ug/kg	1.2	0.11	1

**Project Name:** 266-270 WEST 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047744  
**Report Date:** 11/13/20

**SAMPLE RESULTS**

**Lab ID:** L2047744-01  
**Client ID:** SB16\_0-2  
**Sample Location:** NEW YORK, NY

**Date Collected:** 10/30/20 12:20  
**Date Received:** 10/30/20  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.40	0.11	1
1,2-Dichlorobenzene	ND		ug/kg	1.6	0.12	1
1,3-Dichlorobenzene	ND		ug/kg	1.6	0.12	1
1,4-Dichlorobenzene	ND		ug/kg	1.6	0.14	1
Methyl tert butyl ether	ND		ug/kg	1.6	0.16	1
p/m-Xylene	ND		ug/kg	1.6	0.45	1
o-Xylene	ND		ug/kg	0.81	0.24	1
Xylenes, Total	ND		ug/kg	0.81	0.24	1
cis-1,2-Dichloroethene	ND		ug/kg	0.81	0.14	1
1,2-Dichloroethene, Total	ND		ug/kg	0.81	0.11	1
Dibromomethane	ND		ug/kg	1.6	0.19	1
Styrene	ND		ug/kg	0.81	0.16	1
Dichlorodifluoromethane	ND		ug/kg	8.1	0.74	1
Acetone	ND		ug/kg	8.1	3.9	1
Carbon disulfide	ND		ug/kg	8.1	3.7	1
2-Butanone	ND		ug/kg	8.1	1.8	1
Vinyl acetate	ND		ug/kg	8.1	1.7	1
4-Methyl-2-pentanone	ND		ug/kg	8.1	1.0	1
1,2,3-Trichloropropane	ND		ug/kg	1.6	0.10	1
2-Hexanone	ND		ug/kg	8.1	0.96	1
Bromochloromethane	ND		ug/kg	1.6	0.17	1
2,2-Dichloropropane	ND		ug/kg	1.6	0.16	1
1,2-Dibromoethane	ND		ug/kg	0.81	0.23	1
1,3-Dichloropropane	ND		ug/kg	1.6	0.14	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.40	0.11	1
Bromobenzene	ND		ug/kg	1.6	0.12	1
n-Butylbenzene	ND		ug/kg	0.81	0.14	1
sec-Butylbenzene	ND		ug/kg	0.81	0.12	1
tert-Butylbenzene	ND		ug/kg	1.6	0.10	1
o-Chlorotoluene	ND		ug/kg	1.6	0.15	1
p-Chlorotoluene	ND		ug/kg	1.6	0.09	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.4	0.81	1
Hexachlorobutadiene	ND		ug/kg	3.2	0.14	1
Isopropylbenzene	ND		ug/kg	0.81	0.09	1
p-Isopropyltoluene	ND		ug/kg	0.81	0.09	1
Naphthalene	20		ug/kg	3.2	0.53	1
Acrylonitrile	ND		ug/kg	3.2	0.93	1

**Project Name:** 266-270 WEST 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047744  
**Report Date:** 11/13/20

**SAMPLE RESULTS**

**Lab ID:** L2047744-01  
**Client ID:** SB16\_0-2  
**Sample Location:** NEW YORK, NY

**Date Collected:** 10/30/20 12:20  
**Date Received:** 10/30/20  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	0.81	0.14	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.6	0.26	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.6	0.22	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.6	0.16	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.6	0.27	1
1,4-Dioxane	ND		ug/kg	65	28.	1
p-Diethylbenzene	ND		ug/kg	1.6	0.14	1
p-Ethyltoluene	0.43	J	ug/kg	1.6	0.31	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	1.6	0.15	1
Ethyl ether	ND		ug/kg	1.6	0.28	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.0	1.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	70		70-130
Toluene-d8	107		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	88		70-130

**Project Name:** 266-270 WEST 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047744  
**Report Date:** 11/13/20

**SAMPLE RESULTS**

Lab ID: L2047744-02  
 Client ID: SB16\_2-4.5  
 Sample Location: NEW YORK, NY

Date Collected: 10/30/20 13:00  
 Date Received: 10/30/20  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8260C  
 Analytical Date: 11/03/20 20:20  
 Analyst: JC  
 Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by EPA 5035 Low - Westborough Lab</b>						
Methylene chloride	ND		ug/kg	5.5	2.5	1
1,1-Dichloroethane	ND		ug/kg	1.1	0.16	1
Chloroform	ND		ug/kg	1.6	0.15	1
Carbon tetrachloride	ND		ug/kg	1.1	0.25	1
1,2-Dichloropropane	ND		ug/kg	1.1	0.14	1
Dibromochloromethane	ND		ug/kg	1.1	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.29	1
Tetrachloroethene	ND		ug/kg	0.55	0.22	1
Chlorobenzene	ND		ug/kg	0.55	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.4	0.76	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.28	1
1,1,1-Trichloroethane	ND		ug/kg	0.55	0.18	1
Bromodichloromethane	ND		ug/kg	0.55	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.30	1
cis-1,3-Dichloropropene	ND		ug/kg	0.55	0.17	1
1,3-Dichloropropene, Total	ND		ug/kg	0.55	0.17	1
1,1-Dichloropropene	ND		ug/kg	0.55	0.17	1
Bromoform	ND		ug/kg	4.4	0.27	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.55	0.18	1
Benzene	ND		ug/kg	0.55	0.18	1
Toluene	ND		ug/kg	1.1	0.60	1
Ethylbenzene	ND		ug/kg	1.1	0.15	1
Chloromethane	ND		ug/kg	4.4	1.0	1
Bromomethane	ND		ug/kg	2.2	0.64	1
Vinyl chloride	ND		ug/kg	1.1	0.37	1
Chloroethane	ND		ug/kg	2.2	0.50	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.26	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.15	1

**Project Name:** 266-270 WEST 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047744  
**Report Date:** 11/13/20

**SAMPLE RESULTS**

**Lab ID:** L2047744-02  
**Client ID:** SB16\_2-4.5  
**Sample Location:** NEW YORK, NY

**Date Collected:** 10/30/20 13:00  
**Date Received:** 10/30/20  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.55	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,3-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	2.2	0.19	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.22	1
p/m-Xylene	ND		ug/kg	2.2	0.61	1
o-Xylene	ND		ug/kg	1.1	0.32	1
Xylenes, Total	ND		ug/kg	1.1	0.32	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.19	1
1,2-Dichloroethene, Total	ND		ug/kg	1.1	0.15	1
Dibromomethane	ND		ug/kg	2.2	0.26	1
Styrene	ND		ug/kg	1.1	0.22	1
Dichlorodifluoromethane	ND		ug/kg	11	1.0	1
Acetone	11		ug/kg	11	5.3	1
Carbon disulfide	ND		ug/kg	11	5.0	1
2-Butanone	ND		ug/kg	11	2.4	1
Vinyl acetate	ND		ug/kg	11	2.4	1
4-Methyl-2-pentanone	ND		ug/kg	11	1.4	1
1,2,3-Trichloropropane	ND		ug/kg	2.2	0.14	1
2-Hexanone	ND		ug/kg	11	1.3	1
Bromochloromethane	ND		ug/kg	2.2	0.22	1
2,2-Dichloropropane	ND		ug/kg	2.2	0.22	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.31	1
1,3-Dichloropropane	ND		ug/kg	2.2	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.55	0.14	1
Bromobenzene	ND		ug/kg	2.2	0.16	1
n-Butylbenzene	ND		ug/kg	1.1	0.18	1
sec-Butylbenzene	ND		ug/kg	1.1	0.16	1
tert-Butylbenzene	ND		ug/kg	2.2	0.13	1
o-Chlorotoluene	ND		ug/kg	2.2	0.21	1
p-Chlorotoluene	ND		ug/kg	2.2	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.3	1.1	1
Hexachlorobutadiene	ND		ug/kg	4.4	0.18	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.12	1
Naphthalene	2.8	J	ug/kg	4.4	0.71	1
Acrylonitrile	ND		ug/kg	4.4	1.3	1

**Project Name:** 266-270 WEST 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047744  
**Report Date:** 11/13/20

**SAMPLE RESULTS**

**Lab ID:** L2047744-02  
**Client ID:** SB16\_2-4.5  
**Sample Location:** NEW YORK, NY

**Date Collected:** 10/30/20 13:00  
**Date Received:** 10/30/20  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.1	0.19	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.2	0.35	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.2	0.30	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.2	0.21	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.2	0.37	1
1,4-Dioxane	ND		ug/kg	88	38.	1
p-Diethylbenzene	ND		ug/kg	2.2	0.19	1
p-Ethyltoluene	ND		ug/kg	2.2	0.42	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.2	0.21	1
Ethyl ether	ND		ug/kg	2.2	0.37	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.5	1.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	130		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	109		70-130

**Project Name:** 266-270 WEST 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047744  
**Report Date:** 11/13/20

**SAMPLE RESULTS**

Lab ID: L2047744-03  
 Client ID: SBTB02\_10302020  
 Sample Location: NEW YORK, NY

Date Collected: 10/30/20 14:00  
 Date Received: 10/30/20  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Trip Blank (Aqueous)  
 Analytical Method: 1,8260C  
 Analytical Date: 11/03/20 20:35  
 Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

**Project Name:** 266-270 WEST 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047744  
**Report Date:** 11/13/20

**SAMPLE RESULTS**

**Lab ID:** L2047744-03  
**Client ID:** SBTB02\_10302020  
**Sample Location:** NEW YORK, NY

**Date Collected:** 10/30/20 14:00  
**Date Received:** 10/30/20  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1



**Project Name:** 266-270 WEST 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047744  
**Report Date:** 11/13/20

**SAMPLE RESULTS**

**Lab ID:** L2047744-03  
**Client ID:** SBTB02\_10302020  
**Sample Location:** NEW YORK, NY

**Date Collected:** 10/30/20 14:00  
**Date Received:** 10/30/20  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	91		70-130

**Project Name:** 266-270 WEST 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047744  
**Report Date:** 11/13/20

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 1,8260C  
Analytical Date: 11/03/20 18:06  
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-02 Batch: WG1430271-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
1,1-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14

**Project Name:** 266-270 WEST 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047744  
**Report Date:** 11/13/20

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260C  
Analytical Date: 11/03/20 18:06  
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-02 Batch: WG1430271-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	2.0	0.24
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
o-Chlorotoluene	ND		ug/kg	2.0	0.19

**Project Name:** 266-270 WEST 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047744  
**Report Date:** 11/13/20

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 1,8260C  
Analytical Date: 11/03/20 18:06  
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-02 Batch: WG1430271-5					
p-Chlorotoluene	ND		ug/kg	2.0	0.11
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	ND		ug/kg	4.0	0.17
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
Acrylonitrile	ND		ug/kg	4.0	1.2
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
1,4-Dioxane	ND		ug/kg	80	35.
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	95		70-130

**Project Name:** 266-270 WEST 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047744  
**Report Date:** 11/13/20

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260C  
Analytical Date: 11/03/20 19:48  
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03 Batch: WG1430324-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18

**Project Name:** 266-270 WEST 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047744  
**Report Date:** 11/13/20

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260C  
Analytical Date: 11/03/20 19:48  
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03 Batch: WG1430324-5					
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70

**Project Name:** 266-270 WEST 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047744  
**Report Date:** 11/13/20

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260C  
Analytical Date: 11/03/20 19:48  
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03 Batch: WG1430324-5					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	61.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	92		70-130

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 266-270 WEST 96TH ST

Lab Number: L2047744

Project Number: 170432001

Report Date: 11/13/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-02 Batch: WG1430271-3 WG1430271-4								
Methylene chloride	102		101		70-130	1		30
1,1-Dichloroethane	106		106		70-130	0		30
Chloroform	106		106		70-130	0		30
Carbon tetrachloride	107		105		70-130	2		30
1,2-Dichloropropane	105		107		70-130	2		30
Dibromochloromethane	94		96		70-130	2		30
1,1,2-Trichloroethane	102		104		70-130	2		30
Tetrachloroethene	123		118		70-130	4		30
Chlorobenzene	107		107		70-130	0		30
Trichlorofluoromethane	97		94		70-139	3		30
1,2-Dichloroethane	97		100		70-130	3		30
1,1,1-Trichloroethane	116		114		70-130	2		30
Bromodichloromethane	109		110		70-130	1		30
trans-1,3-Dichloropropene	104		107		70-130	3		30
cis-1,3-Dichloropropene	95		98		70-130	3		30
1,1-Dichloropropene	116		114		70-130	2		30
Bromoform	100		107		70-130	7		30
1,1,2,2-Tetrachloroethane	100		106		70-130	6		30
Benzene	111		110		70-130	1		30
Toluene	107		105		70-130	2		30
Ethylbenzene	111		109		70-130	2		30
Chloromethane	101		98		52-130	3		30
Bromomethane	98		95		57-147	3		30



## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 266-270 WEST 96TH ST

Lab Number: L2047744

Project Number: 170432001

Report Date: 11/13/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-02 Batch: WG1430271-3 WG1430271-4								
Vinyl chloride	103		99		67-130	4		30
Chloroethane	110		109		50-151	1		30
1,1-Dichloroethene	109		106		65-135	3		30
trans-1,2-Dichloroethene	112		110		70-130	2		30
Trichloroethene	118		116		70-130	2		30
1,2-Dichlorobenzene	103		104		70-130	1		30
1,3-Dichlorobenzene	107		108		70-130	1		30
1,4-Dichlorobenzene	103		104		70-130	1		30
Methyl tert butyl ether	100		103		66-130	3		30
p/m-Xylene	118		115		70-130	3		30
o-Xylene	116		114		70-130	2		30
cis-1,2-Dichloroethene	108		108		70-130	0		30
Dibromomethane	104		107		70-130	3		30
Styrene	102		102		70-130	0		30
Dichlorodifluoromethane	89		87		30-146	2		30
Acetone	96		98		54-140	2		30
Carbon disulfide	107		98		59-130	9		30
2-Butanone	94		99		70-130	5		30
Vinyl acetate	99		103		70-130	4		30
4-Methyl-2-pentanone	88		91		70-130	3		30
1,2,3-Trichloropropane	95		100		68-130	5		30
2-Hexanone	94		98		70-130	4		30
Bromochloromethane	104		105		70-130	1		30

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 266-270 WEST 96TH ST

Lab Number: L2047744

Project Number: 170432001

Report Date: 11/13/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-02 Batch: WG1430271-3 WG1430271-4								
2,2-Dichloropropane	115		113		70-130	2		30
1,2-Dibromoethane	102		107		70-130	5		30
1,3-Dichloropropane	99		102		69-130	3		30
1,1,1,2-Tetrachloroethane	100		100		70-130	0		30
Bromobenzene	103		105		70-130	2		30
n-Butylbenzene	113		112		70-130	1		30
sec-Butylbenzene	112		111		70-130	1		30
tert-Butylbenzene	111		110		70-130	1		30
o-Chlorotoluene	106		106		70-130	0		30
p-Chlorotoluene	107		108		70-130	1		30
1,2-Dibromo-3-chloropropane	91		95		68-130	4		30
Hexachlorobutadiene	107		106		67-130	1		30
Isopropylbenzene	110		110		70-130	0		30
p-Isopropyltoluene	115		114		70-130	1		30
Naphthalene	101		110		70-130	9		30
Acrylonitrile	97		101		70-130	4		30
n-Propylbenzene	109		109		70-130	0		30
1,2,3-Trichlorobenzene	104		110		70-130	6		30
1,2,4-Trichlorobenzene	106		111		70-130	5		30
1,3,5-Trimethylbenzene	111		111		70-130	0		30
1,2,4-Trimethylbenzene	112		112		70-130	0		30
1,4-Dioxane	88		91		65-136	3		30
p-Diethylbenzene	115		114		70-130	1		30

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 266-270 WEST 96TH ST

Lab Number: L2047744

Project Number: 170432001

Report Date: 11/13/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-02 Batch: WG1430271-3 WG1430271-4								
p-Ethyltoluene	112		112		70-130	0		30
1,2,4,5-Tetramethylbenzene	115		116		70-130	1		30
Ethyl ether	102		104		67-130	2		30
trans-1,4-Dichloro-2-butene	102		108		70-130	6		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	97		97		70-130
Toluene-d8	99		99		70-130
4-Bromofluorobenzene	97		99		70-130
Dibromofluoromethane	98		99		70-130

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 266-270 WEST 96TH ST

Lab Number: L2047744

Project Number: 170432001

Report Date: 11/13/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG1430324-3 WG1430324-4								
Methylene chloride	95		89		70-130	7		20
1,1-Dichloroethane	100		94		70-130	6		20
Chloroform	91		84		70-130	8		20
Carbon tetrachloride	93		85		63-132	9		20
1,2-Dichloropropane	100		94		70-130	6		20
Dibromochloromethane	81		80		63-130	1		20
1,1,2-Trichloroethane	96		90		70-130	6		20
Tetrachloroethene	100		95		70-130	5		20
Chlorobenzene	93		88		75-130	6		20
Trichlorofluoromethane	120		100		62-150	18		20
1,2-Dichloroethane	94		88		70-130	7		20
1,1,1-Trichloroethane	93		87		67-130	7		20
Bromodichloromethane	90		86		67-130	5		20
trans-1,3-Dichloropropene	80		77		70-130	4		20
cis-1,3-Dichloropropene	89		85		70-130	5		20
1,1-Dichloropropene	100		92		70-130	8		20
Bromoform	83		84		54-136	1		20
1,1,2,2-Tetrachloroethane	90		89		67-130	1		20
Benzene	99		93		70-130	6		20
Toluene	99		94		70-130	5		20
Ethylbenzene	96		91		70-130	5		20
Chloromethane	120		110		64-130	9		20
Bromomethane	82		84		39-139	2		20

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 266-270 WEST 96TH ST

Lab Number: L2047744

Project Number: 170432001

Report Date: 11/13/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG1430324-3 WG1430324-4								
Vinyl chloride	130		110		55-140	17		20
Chloroethane	120		120		55-138	0		20
1,1-Dichloroethene	86		79		61-145	8		20
trans-1,2-Dichloroethene	99		90		70-130	10		20
Trichloroethene	92		86		70-130	7		20
1,2-Dichlorobenzene	97		95		70-130	2		20
1,3-Dichlorobenzene	97		95		70-130	2		20
1,4-Dichlorobenzene	96		95		70-130	1		20
Methyl tert butyl ether	84		77		63-130	9		20
p/m-Xylene	95		90		70-130	5		20
o-Xylene	95		90		70-130	5		20
cis-1,2-Dichloroethene	98		90		70-130	9		20
Dibromomethane	89		85		70-130	5		20
1,2,3-Trichloropropane	91		90		64-130	1		20
Acrylonitrile	95		88		70-130	8		20
Styrene	90		90		70-130	0		20
Dichlorodifluoromethane	150	Q	130		36-147	14		20
Acetone	92		87		58-148	6		20
Carbon disulfide	98		88		51-130	11		20
2-Butanone	84		84		63-138	0		20
Vinyl acetate	96		91		70-130	5		20
4-Methyl-2-pentanone	90		88		59-130	2		20
2-Hexanone	90		88		57-130	2		20

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 266-270 WEST 96TH ST

Lab Number: L2047744

Project Number: 170432001

Report Date: 11/13/20

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG1430324-3 WG1430324-4								
Bromochloromethane	90		86		70-130	5		20
2,2-Dichloropropane	100		91		63-133	9		20
1,2-Dibromoethane	88		86		70-130	2		20
1,3-Dichloropropane	130		130		70-130	0		20
1,1,1,2-Tetrachloroethane	89		87		64-130	2		20
Bromobenzene	98		96		70-130	2		20
n-Butylbenzene	96		92		53-136	4		20
sec-Butylbenzene	100		95		70-130	5		20
tert-Butylbenzene	98		92		70-130	6		20
o-Chlorotoluene	100		110		70-130	10		20
p-Chlorotoluene	100		95		70-130	5		20
1,2-Dibromo-3-chloropropane	80		78		41-144	3		20
Hexachlorobutadiene	97		92		63-130	5		20
Isopropylbenzene	100		98		70-130	2		20
p-Isopropyltoluene	95		89		70-130	7		20
Naphthalene	73		73		70-130	0		20
n-Propylbenzene	100		96		69-130	4		20
1,2,3-Trichlorobenzene	78		75		70-130	4		20
1,2,4-Trichlorobenzene	87		86		70-130	1		20
1,3,5-Trimethylbenzene	100		96		64-130	4		20
1,2,4-Trimethylbenzene	100		97		70-130	3		20
1,4-Dioxane	80		72		56-162	11		20
p-Diethylbenzene	92		88		70-130	4		20

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 266-270 WEST 96TH ST

Project Number: 170432001

Lab Number: L2047744

Report Date: 11/13/20

Parameter	LCS		LCSD		%Recovery Limits	RPD	RPD	
	%Recovery	Qual	%Recovery	Qual			Qual	Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG1430324-3 WG1430324-4								
p-Ethyltoluene	100		96		70-130	4		20
1,2,4,5-Tetramethylbenzene	90		88		70-130	2		20
Ethyl ether	100		93		59-134	7		20
trans-1,4-Dichloro-2-butene	64	Q	60	Q	70-130	6		20

Surrogate	LCS		LCSD		Acceptance Criteria
	%Recovery	Qual	%Recovery	Qual	
1,2-Dichloroethane-d4	98		98		70-130
Toluene-d8	104		103		70-130
4-Bromofluorobenzene	102		104		70-130
Dibromofluoromethane	97		96		70-130

# SEMIVOLATILES



**Project Name:** 266-270 WEST 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047744  
**Report Date:** 11/13/20

**SAMPLE RESULTS**

Lab ID: L2047744-01  
 Client ID: SB16\_0-2  
 Sample Location: NEW YORK, NY

Date Collected: 10/30/20 12:20  
 Date Received: 10/30/20  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270D  
 Analytical Date: 11/02/20 18:09  
 Analyst: IM  
 Percent Solids: 93%

Extraction Method: EPA 3546  
 Extraction Date: 10/31/20 20:16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Acenaphthene	30000	E	ug/kg	390	51.	1
1,2,4-Trichlorobenzene	ND		ug/kg	490	56.	1
Hexachlorobenzene	ND		ug/kg	300	55.	1
Bis(2-chloroethyl)ether	ND		ug/kg	440	67.	1
2-Chloronaphthalene	ND		ug/kg	490	49.	1
1,2-Dichlorobenzene	ND		ug/kg	490	88.	1
1,3-Dichlorobenzene	ND		ug/kg	490	85.	1
1,4-Dichlorobenzene	ND		ug/kg	490	86.	1
3,3'-Dichlorobenzidine	ND		ug/kg	490	130	1
2,4-Dinitrotoluene	ND		ug/kg	490	99.	1
2,6-Dinitrotoluene	ND		ug/kg	490	85.	1
Fluoranthene	120000	E	ug/kg	300	57.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	490	53.	1
4-Bromophenyl phenyl ether	ND		ug/kg	490	75.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	590	84.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	530	49.	1
Hexachlorobutadiene	ND		ug/kg	490	72.	1
Hexachlorocyclopentadiene	ND		ug/kg	1400	450	1
Hexachloroethane	ND		ug/kg	390	80.	1
Isophorone	ND		ug/kg	440	64.	1
Naphthalene	58000	E	ug/kg	490	60.	1
Nitrobenzene	ND		ug/kg	440	73.	1
NDPA/DPA	ND		ug/kg	390	56.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	490	76.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	490	170	1
Butyl benzyl phthalate	ND		ug/kg	490	120	1
Di-n-butylphthalate	ND		ug/kg	490	93.	1
Di-n-octylphthalate	ND		ug/kg	490	170	1

**Project Name:** 266-270 WEST 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047744  
**Report Date:** 11/13/20

**SAMPLE RESULTS**

**Lab ID:** L2047744-01  
**Client ID:** SB16\_0-2  
**Sample Location:** NEW YORK, NY

**Date Collected:** 10/30/20 12:20  
**Date Received:** 10/30/20  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Diethyl phthalate	ND		ug/kg	490	46.	1
Dimethyl phthalate	ND		ug/kg	490	100	1
Benzo(a)anthracene	75000	E	ug/kg	300	56.	1
Benzo(a)pyrene	71000	E	ug/kg	390	120	1
Benzo(b)fluoranthene	72000	E	ug/kg	300	83.	1
Benzo(k)fluoranthene	16000		ug/kg	300	79.	1
Chrysene	66000	E	ug/kg	300	51.	1
Acenaphthylene	2100		ug/kg	390	76.	1
Anthracene	60000	E	ug/kg	300	96.	1
Benzo(ghi)perylene	45000	E	ug/kg	390	58.	1
Fluorene	24000	E	ug/kg	490	48.	1
Phenanthrene	150000	E	ug/kg	300	60.	1
Dibenzo(a,h)anthracene	8200		ug/kg	300	57.	1
Indeno(1,2,3-cd)pyrene	40000	E	ug/kg	390	69.	1
Pyrene	140000	E	ug/kg	300	49.	1
Biphenyl	6400		ug/kg	1100	110	1
4-Chloroaniline	ND		ug/kg	490	90.	1
2-Nitroaniline	ND		ug/kg	490	95.	1
3-Nitroaniline	ND		ug/kg	490	93.	1
4-Nitroaniline	ND		ug/kg	490	200	1
Dibenzofuran	11000		ug/kg	490	47.	1
2-Methylnaphthalene	24000	E	ug/kg	590	60.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	490	51.	1
Acetophenone	91	J	ug/kg	490	61.	1
2,4,6-Trichlorophenol	ND		ug/kg	300	93.	1
p-Chloro-m-cresol	ND		ug/kg	490	73.	1
2-Chlorophenol	ND		ug/kg	490	58.	1
2,4-Dichlorophenol	ND		ug/kg	440	79.	1
2,4-Dimethylphenol	530		ug/kg	490	160	1
2-Nitrophenol	ND		ug/kg	1100	180	1
4-Nitrophenol	ND		ug/kg	690	200	1
2,4-Dinitrophenol	ND		ug/kg	2400	230	1
4,6-Dinitro-o-cresol	ND		ug/kg	1300	240	1
Pentachlorophenol	ND		ug/kg	390	110	1
Phenol	2000		ug/kg	490	74.	1
2-Methylphenol	660		ug/kg	490	76.	1
3-Methylphenol/4-Methylphenol	4000		ug/kg	710	77.	1

**Project Name:** 266-270 WEST 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047744  
**Report Date:** 11/13/20

**SAMPLE RESULTS**

**Lab ID:** L2047744-01  
**Client ID:** SB16\_0-2  
**Sample Location:** NEW YORK, NY

**Date Collected:** 10/30/20 12:20  
**Date Received:** 10/30/20  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
2,4,5-Trichlorophenol	ND		ug/kg	490	94.	1
Benzoic Acid	ND		ug/kg	1600	500	1
Benzyl Alcohol	ND		ug/kg	490	150	1
Carbazole	19000		ug/kg	490	48.	1
1,4-Dioxane	ND		ug/kg	74	23.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	45		25-120
Phenol-d6	69		10-120
Nitrobenzene-d5	70		23-120
2-Fluorobiphenyl	53		30-120
2,4,6-Tribromophenol	37		10-136
4-Terphenyl-d14	43		18-120

**Project Name:** 266-270 WEST 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047744  
**Report Date:** 11/13/20

**SAMPLE RESULTS**

Lab ID: L2047744-01  
 Client ID: SB16\_0-2  
 Sample Location: NEW YORK, NY

Date Collected: 10/30/20 12:20  
 Date Received: 10/30/20  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 134,LCMSMS-ID  
 Analytical Date: 11/06/20 01:57  
 Analyst: SG  
 Percent Solids: 93%

Extraction Method: ALPHA 23528  
 Extraction Date: 11/04/20 14:22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab</b>						
Perfluorobutanoic Acid (PFBA)	ND		ug/kg	0.508	0.023	1
Perfluoropentanoic Acid (PFPeA)	ND		ug/kg	0.508	0.047	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ug/kg	0.508	0.040	1
Perfluorohexanoic Acid (PFHxA)	0.054	J	ug/kg	0.508	0.053	1
Perfluoroheptanoic Acid (PFHpA)	ND		ug/kg	0.508	0.046	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ug/kg	0.508	0.062	1
Perfluorooctanoic Acid (PFOA)	0.116	JF	ug/kg	0.508	0.043	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ug/kg	0.508	0.182	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ug/kg	0.508	0.139	1
Perfluorononanoic Acid (PFNA)	ND		ug/kg	0.508	0.076	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ug/kg	0.508	0.132	1
Perfluorodecanoic Acid (PFDA)	ND		ug/kg	0.508	0.068	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ug/kg	0.508	0.292	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ug/kg	0.508	0.205	1
Perfluoroundecanoic Acid (PFUnA)	ND		ug/kg	0.508	0.048	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ug/kg	0.508	0.156	1
Perfluorooctanesulfonamide (FOSA)	ND		ug/kg	0.508	0.100	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ug/kg	0.508	0.086	1
Perfluorododecanoic Acid (PFDoA)	ND		ug/kg	0.508	0.071	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ug/kg	0.508	0.208	1
Perfluorotetradecanoic Acid (PFTA)	ND		ug/kg	0.508	0.055	1
PFOA/PFOS, Total	0.116	J	ug/kg	0.508	0.043	1

**Project Name:** 266-270 WEST 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047744  
**Report Date:** 11/13/20

**SAMPLE RESULTS**

Lab ID: L2047744-01  
 Client ID: SB16\_0-2  
 Sample Location: NEW YORK, NY

Date Collected: 10/30/20 12:20  
 Date Received: 10/30/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	85		60-153
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	84		65-182
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	88		70-151
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	82		61-147
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	85		62-149
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	93		63-166
Perfluoro[13C8]Octanoic Acid (M8PFOA)	83		62-152
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	74		32-182
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	78		61-154
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	85		65-151
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	84		65-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	92		25-186
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	50		45-137
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	92		64-158
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	67		1-125
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	108		42-136
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	82		56-148
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	53		26-160

**Project Name:** 266-270 WEST 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047744  
**Report Date:** 11/13/20

**SAMPLE RESULTS**

Lab ID: L2047744-01 D2  
 Client ID: SB16\_0-2  
 Sample Location: NEW YORK, NY

Date Collected: 10/30/20 12:20  
 Date Received: 10/30/20  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270D  
 Analytical Date: 11/04/20 20:54  
 Analyst: WR  
 Percent Solids: 93%

Extraction Method: EPA 3546  
 Extraction Date: 10/31/20 20:16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Phenanthrene	200000		ug/kg	15000	3000	50

**Project Name:** 266-270 WEST 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047744  
**Report Date:** 11/13/20

**SAMPLE RESULTS**

Lab ID: L2047744-01 D  
 Client ID: SB16\_0-2  
 Sample Location: NEW YORK, NY

Date Collected: 10/30/20 12:20  
 Date Received: 10/30/20  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270D  
 Analytical Date: 11/05/20 11:00  
 Analyst: WR  
 Percent Solids: 93%

Extraction Method: EPA 3546  
 Extraction Date: 10/31/20 20:16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Acenaphthene	33000		ug/kg	3900	510	10
Fluoranthene	150000		ug/kg	3000	570	10
Naphthalene	70000		ug/kg	4900	600	10
Benzo(a)anthracene	80000		ug/kg	3000	560	10
Benzo(a)pyrene	69000		ug/kg	3900	1200	10
Benzo(b)fluoranthene	68000		ug/kg	3000	830	10
Chrysene	63000		ug/kg	3000	510	10
Anthracene	74000		ug/kg	3000	960	10
Benzo(ghi)perylene	43000		ug/kg	3900	580	10
Fluorene	27000		ug/kg	4900	480	10
Indeno(1,2,3-cd)pyrene	35000		ug/kg	3900	690	10
Pyrene	180000		ug/kg	3000	490	10
2-Methylnaphthalene	25000		ug/kg	5900	600	10

**Project Name:** 266-270 WEST 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047744  
**Report Date:** 11/13/20

**SAMPLE RESULTS**

Lab ID: L2047744-02  
 Client ID: SB16\_2-4.5  
 Sample Location: NEW YORK, NY

Date Collected: 10/30/20 13:00  
 Date Received: 10/30/20  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270D  
 Analytical Date: 11/02/20 14:55  
 Analyst: IM  
 Percent Solids: 92%

Extraction Method: EPA 3546  
 Extraction Date: 10/31/20 20:16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Acenaphthene	ND		ug/kg	140	18.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	20.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	32.	1
1,3-Dichlorobenzene	ND		ug/kg	180	30.	1
1,4-Dichlorobenzene	ND		ug/kg	180	31.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	47.	1
2,4-Dinitrotoluene	ND		ug/kg	180	35.	1
2,6-Dinitrotoluene	ND		ug/kg	180	30.	1
Fluoranthene	130		ug/kg	110	20.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	27.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	30.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	510	160	1
Hexachloroethane	ND		ug/kg	140	29.	1
Isophorone	ND		ug/kg	160	23.	1
Naphthalene	ND		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	26.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	27.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	61.	1
Butyl benzyl phthalate	ND		ug/kg	180	45.	1
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	60.	1



**Project Name:** 266-270 WEST 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047744  
**Report Date:** 11/13/20

**SAMPLE RESULTS**

Lab ID: L2047744-02  
 Client ID: SB16\_2-4.5  
 Sample Location: NEW YORK, NY

Date Collected: 10/30/20 13:00  
 Date Received: 10/30/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Diethyl phthalate	ND		ug/kg	180	16.	1
Dimethyl phthalate	ND		ug/kg	180	37.	1
Benzo(a)anthracene	65	J	ug/kg	110	20.	1
Benzo(a)pyrene	50	J	ug/kg	140	43.	1
Benzo(b)fluoranthene	53	J	ug/kg	110	30.	1
Benzo(k)fluoranthene	ND		ug/kg	110	28.	1
Chrysene	62	J	ug/kg	110	18.	1
Acenaphthylene	ND		ug/kg	140	27.	1
Anthracene	ND		ug/kg	110	35.	1
Benzo(ghi)perylene	36	J	ug/kg	140	21.	1
Fluorene	ND		ug/kg	180	17.	1
Phenanthrene	200		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	20.	1
Indeno(1,2,3-cd)pyrene	33	J	ug/kg	140	25.	1
Pyrene	160		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	400	41.	1
4-Chloroaniline	ND		ug/kg	180	32.	1
2-Nitroaniline	ND		ug/kg	180	34.	1
3-Nitroaniline	ND		ug/kg	180	33.	1
4-Nitroaniline	ND		ug/kg	180	73.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	210	21.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	18.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
p-Chloro-m-cresol	ND		ug/kg	180	26.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	28.	1
2,4-Dimethylphenol	ND		ug/kg	180	58.	1
2-Nitrophenol	ND		ug/kg	380	67.	1
4-Nitrophenol	ND		ug/kg	250	72.	1
2,4-Dinitrophenol	ND		ug/kg	850	83.	1
4,6-Dinitro-o-cresol	ND		ug/kg	460	85.	1
Pentachlorophenol	ND		ug/kg	140	39.	1
Phenol	ND		ug/kg	180	27.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	28.	1

**Project Name:** 266-270 WEST 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047744  
**Report Date:** 11/13/20

**SAMPLE RESULTS**

Lab ID: L2047744-02  
 Client ID: SB16\_2-4.5  
 Sample Location: NEW YORK, NY

Date Collected: 10/30/20 13:00  
 Date Received: 10/30/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	34.	1
Benzoic Acid	ND		ug/kg	570	180	1
Benzyl Alcohol	ND		ug/kg	180	54.	1
Carbazole	ND		ug/kg	180	17.	1
1,4-Dioxane	ND		ug/kg	27	8.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	80		25-120
Phenol-d6	80		10-120
Nitrobenzene-d5	77		23-120
2-Fluorobiphenyl	72		30-120
2,4,6-Tribromophenol	71		10-136
4-Terphenyl-d14	72		18-120

**Project Name:** 266-270 WEST 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047744  
**Report Date:** 11/13/20

**SAMPLE RESULTS**

**Lab ID:** L2047744-02  
**Client ID:** SB16\_2-4.5  
**Sample Location:** NEW YORK, NY

**Date Collected:** 10/30/20 13:00  
**Date Received:** 10/30/20  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 11/06/20 02:14  
**Analyst:** SG  
**Percent Solids:** 92%

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 11/04/20 14:22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab</b>						
Perfluorobutanoic Acid (PFBA)	ND		ug/kg	0.523	0.024	1
Perfluoropentanoic Acid (PFPeA)	ND		ug/kg	0.523	0.048	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ug/kg	0.523	0.041	1
Perfluorohexanoic Acid (PFHxA)	ND		ug/kg	0.523	0.055	1
Perfluoroheptanoic Acid (PFHpA)	ND		ug/kg	0.523	0.047	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ug/kg	0.523	0.063	1
Perfluorooctanoic Acid (PFOA)	0.075	JF	ug/kg	0.523	0.044	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ug/kg	0.523	0.188	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ug/kg	0.523	0.143	1
Perfluorononanoic Acid (PFNA)	ND		ug/kg	0.523	0.078	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ug/kg	0.523	0.136	1
Perfluorodecanoic Acid (PFDA)	ND		ug/kg	0.523	0.070	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ug/kg	0.523	0.300	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ug/kg	0.523	0.211	1
Perfluoroundecanoic Acid (PFUnA)	ND		ug/kg	0.523	0.049	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ug/kg	0.523	0.160	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ug/kg	0.523	0.088	1
Perfluorododecanoic Acid (PFDoA)	ND		ug/kg	0.523	0.073	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ug/kg	0.523	0.214	1
Perfluorotetradecanoic Acid (PFTA)	ND		ug/kg	0.523	0.056	1
PFOA/PFOS, Total	0.075	J	ug/kg	0.523	0.044	1

**Project Name:** 266-270 WEST 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047744  
**Report Date:** 11/13/20

**SAMPLE RESULTS**

Lab ID: L2047744-02  
 Client ID: SB16\_2-4.5  
 Sample Location: NEW YORK, NY

Date Collected: 10/30/20 13:00  
 Date Received: 10/30/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	74		60-153
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	74		65-182
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	81		70-151
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	72		61-147
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	74		62-149
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	85		63-166
Perfluoro[13C8]Octanoic Acid (M8PFOA)	72		62-152
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	68		32-182
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	65		61-154
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	80		65-151
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	71		65-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	76		25-186
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	<b>38</b>	Q	45-137
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	76		64-158
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	44		42-136
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	64		56-148
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	37		26-160

**Project Name:** 266-270 WEST 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047744  
**Report Date:** 11/13/20

**SAMPLE RESULTS**

Lab ID: L2047744-02  
 Client ID: SB16\_2-4.5  
 Sample Location: NEW YORK, NY

Date Collected: 10/30/20 13:00  
 Date Received: 10/30/20  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 134,LCMSMS-ID  
 Analytical Date: 11/11/20 14:12  
 Analyst: RS  
 Percent Solids: 92%

Extraction Method: ALPHA 23528  
 Extraction Date: 11/04/20 14:22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab</b>						
Perfluorooctanesulfonamide (FOSA)	ND		ug/kg	0.523	0.102	1
<b>Surrogate (Extracted Internal Standard)</b>			<b>% Recovery</b>	<b>Qualifier</b>	<b>Acceptance Criteria</b>	
Perfluoro[13C8]Octanesulfonamide (M8FOSA)			97		1-125	

**Project Name:** 266-270 WEST 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047744  
**Report Date:** 11/13/20

**SAMPLE RESULTS**

**Lab ID:** L2047744-04  
**Client ID:** SBEB02\_10302020  
**Sample Location:** NEW YORK, NY

**Date Collected:** 10/30/20 14:30  
**Date Received:** 10/30/20  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Equipment Blank  
**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 11/13/20 05:03  
**Analyst:** RS

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 11/11/20 12:25

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab</b>						
Perfluorobutanoic Acid (PFBA)	ND		ng/l	1.79	0.364	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	1.79	0.354	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	1.79	0.213	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	1.79	0.293	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	1.79	0.201	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	1.79	0.336	1
Perfluorooctanoic Acid (PFOA)	ND		ng/l	1.79	0.211	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	1.79	1.19	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.79	0.615	1
Perfluorononanoic Acid (PFNA)	ND		ng/l	1.79	0.279	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	1.79	0.450	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.79	0.272	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.79	1.08	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.79	0.579	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.79	0.232	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.79	0.876	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	1.79	0.518	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.79	0.718	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.79	0.332	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.79	0.292	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.79	0.222	1
PFOA/PFOS, Total	ND		ng/l	1.79	0.211	1

**Project Name:** 266-270 WEST 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047744  
**Report Date:** 11/13/20

**SAMPLE RESULTS**

Lab ID: L2047744-04  
 Client ID: SBEB02\_10302020  
 Sample Location: NEW YORK, NY

Date Collected: 10/30/20 14:30  
 Date Received: 10/30/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	108		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	139		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	123		31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	103		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	111		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	125		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	109		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	140		1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	110		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	114		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	107		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	115		7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	81		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	113		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	15		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	69		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	116		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	105		33-143

**Project Name:** 266-270 WEST 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047744  
**Report Date:** 11/13/20

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8270D  
Analytical Date: 11/02/20 09:15  
Analyst: IM

Extraction Method: EPA 3546  
Extraction Date: 10/31/20 20:07

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatle Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1428968-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	160	19.
Hexachlorobenzene	ND		ug/kg	99	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
1,2-Dichlorobenzene	ND		ug/kg	160	30.
1,3-Dichlorobenzene	ND		ug/kg	160	28.
1,4-Dichlorobenzene	ND		ug/kg	160	29.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	33.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	99	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	18.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	470	150
Hexachloroethane	ND		ug/kg	130	27.
Isophorone	ND		ug/kg	150	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	19.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	25.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	57.
Butyl benzyl phthalate	ND		ug/kg	160	42.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	56.
Diethyl phthalate	ND		ug/kg	160	15.



**Project Name:** 266-270 WEST 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047744  
**Report Date:** 11/13/20

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8270D  
Analytical Date: 11/02/20 09:15  
Analyst: IM

Extraction Method: EPA 3546  
Extraction Date: 10/31/20 20:07

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1428968-1					
Dimethyl phthalate	ND		ug/kg	160	35.
Benzo(a)anthracene	ND		ug/kg	99	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	99	28.
Benzo(k)fluoranthene	ND		ug/kg	99	26.
Chrysene	ND		ug/kg	99	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	99	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	99	20.
Dibenzo(a,h)anthracene	ND		ug/kg	99	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	99	16.
Biphenyl	ND		ug/kg	380	38.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	32.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	68.
Dibenzofuran	ND		ug/kg	160	16.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	99	31.
p-Chloro-m-cresol	ND		ug/kg	160	24.
2-Chlorophenol	ND		ug/kg	160	19.
2,4-Dichlorophenol	ND		ug/kg	150	26.
2,4-Dimethylphenol	ND		ug/kg	160	54.
2-Nitrophenol	ND		ug/kg	360	62.

**Project Name:** 266-270 WEST 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047744  
**Report Date:** 11/13/20

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 1,8270D  
Analytical Date: 11/02/20 09:15  
Analyst: IM

Extraction Method: EPA 3546  
Extraction Date: 10/31/20 20:07

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1428968-1					
4-Nitrophenol	ND		ug/kg	230	67.
2,4-Dinitrophenol	ND		ug/kg	790	77.
4,6-Dinitro-o-cresol	ND		ug/kg	430	79.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	160	25.
2-Methylphenol	ND		ug/kg	160	26.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.
2,4,5-Trichlorophenol	ND		ug/kg	160	32.
Benzoic Acid	ND		ug/kg	530	170
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	16.
1,4-Dioxane	ND		ug/kg	25	7.6

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	71		25-120
Phenol-d6	72		10-120
Nitrobenzene-d5	69		23-120
2-Fluorobiphenyl	68		30-120
2,4,6-Tribromophenol	71		10-136
4-Terphenyl-d14	81		18-120

**Project Name:** 266-270 WEST 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047744  
**Report Date:** 11/13/20

**Method Blank Analysis**  
**Batch Quality Control**

**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 11/06/20 00:01  
**Analyst:** SG

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 11/04/20 14:22

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-02 Batch: WG1430323-1					
Perfluorobutanoic Acid (PFBA)	ND		ug/kg	0.500	0.023
Perfluoropentanoic Acid (PFPeA)	ND		ug/kg	0.500	0.046
Perfluorobutanesulfonic Acid (PFBS)	ND		ug/kg	0.500	0.039
Perfluorohexanoic Acid (PFHxA)	ND		ug/kg	0.500	0.053
Perfluoroheptanoic Acid (PFHpA)	ND		ug/kg	0.500	0.045
Perfluorohexanesulfonic Acid (PFHxS)	ND		ug/kg	0.500	0.061
Perfluorooctanoic Acid (PFOA)	ND		ug/kg	0.500	0.042
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ug/kg	0.500	0.180
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ug/kg	0.500	0.136
Perfluorononanoic Acid (PFNA)	ND		ug/kg	0.500	0.075
Perfluorooctanesulfonic Acid (PFOS)	ND		ug/kg	0.500	0.130
Perfluorodecanoic Acid (PFDA)	ND		ug/kg	0.500	0.067
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ug/kg	0.500	0.287
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ug/kg	0.500	0.202
Perfluoroundecanoic Acid (PFUnA)	ND		ug/kg	0.500	0.047
Perfluorodecanesulfonic Acid (PFDS)	ND		ug/kg	0.500	0.153
Perfluorooctanesulfonamide (FOSA)	ND		ug/kg	0.500	0.098
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ug/kg	0.500	0.085
Perfluorododecanoic Acid (PFDoA)	ND		ug/kg	0.500	0.070
Perfluorotridecanoic Acid (PFTrDA)	ND		ug/kg	0.500	0.204
Perfluorotetradecanoic Acid (PFTA)	ND		ug/kg	0.500	0.054
PFOA/PFOS, Total	ND		ug/kg	0.500	0.042

**Project Name:** 266-270 WEST 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047744  
**Report Date:** 11/13/20

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 134,LCMSMS-ID  
Analytical Date: 11/06/20 00:01  
Analyst: SG

Extraction Method: ALPHA 23528  
Extraction Date: 11/04/20 14:22

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-02 Batch: WG1430323-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	86		60-153
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	86		65-182
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	88		70-151
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	87		61-147
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	87		62-149
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	99		63-166
Perfluoro[13C8]Octanoic Acid (M8PFOA)	87		62-152
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	75		32-182
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	78		61-154
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	92		65-151
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	86		65-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	90		25-186
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	70		45-137
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	95		64-158
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	10		1-125
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	71		42-136
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	83		56-148
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	67		26-160

**Project Name:** 266-270 WEST 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047744  
**Report Date:** 11/13/20

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 134,LCMSMS-ID  
Analytical Date: 11/11/20 13:36  
Analyst: RS

Extraction Method: ALPHA 23528  
Extraction Date: 11/04/20 14:22

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-02 Batch: WG1430323-1					
Perfluorooctanesulfonamide (FOSA)	ND		ug/kg	0.500	0.098

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	105		1-125

**Project Name:** 266-270 WEST 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047744  
**Report Date:** 11/13/20

**Method Blank Analysis**  
**Batch Quality Control**

**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 11/12/20 13:56  
**Analyst:** RS

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 11/11/20 12:25

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 04 Batch: WG1433033-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/l	2.00	0.408
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	2.00	0.396
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	2.00	0.238
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	2.00	0.328
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	2.00	0.225
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	2.00	0.376
Perfluorooctanoic Acid (PFOA)	ND		ng/l	2.00	0.236
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	2.00	1.33
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	2.00	0.688
Perfluorononanoic Acid (PFNA)	ND		ng/l	2.00	0.312
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	2.00	0.504
Perfluorodecanoic Acid (PFDA)	ND		ng/l	2.00	0.304
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	2.00	1.21
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	2.00	0.648
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	2.00	0.260
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	2.00	0.980
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	2.00	0.580
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	2.00	0.804
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	2.00	0.372
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	2.00	0.327
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	2.00	0.248
PFOA/PFOS, Total	ND		ng/l	2.00	0.236

**Project Name:** 266-270 WEST 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047744  
**Report Date:** 11/13/20

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 134,LCMSMS-ID  
Analytical Date: 11/12/20 13:56  
Analyst: RS

Extraction Method: ALPHA 23528  
Extraction Date: 11/11/20 12:25

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 04 Batch: WG1433033-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	99		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	119		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	108		31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	98		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	101		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	106		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	99		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	115		1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	97		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	104		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	97		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	97		7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	73		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	110		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	35		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	77		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	103		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	93		33-143

**Project Name:** 266-270 WEST 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047744  
**Report Date:** 11/13/20

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 134,LCMSMS-ID  
Analytical Date: 11/12/20 17:02  
Analyst: RS

Extraction Method: ALPHA 23528  
Extraction Date: 11/11/20 12:25

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 04 Batch: WG1433033-1					
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	2.00	0.580

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	67		1-87



## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 266-270 WEST 96TH ST

Lab Number: L2047744

Project Number: 170432001

Report Date: 11/13/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1428968-2 WG1428968-3								
Acenaphthene	72		72		31-137	0		50
1,2,4-Trichlorobenzene	62		62		38-107	0		50
Hexachlorobenzene	63		64		40-140	2		50
Bis(2-chloroethyl)ether	64		65		40-140	2		50
2-Chloronaphthalene	66		68		40-140	3		50
1,2-Dichlorobenzene	61		62		40-140	2		50
1,3-Dichlorobenzene	60		61		40-140	2		50
1,4-Dichlorobenzene	60		60		28-104	0		50
3,3'-Dichlorobenzidine	63		65		40-140	3		50
2,4-Dinitrotoluene	75		76		40-132	1		50
2,6-Dinitrotoluene	72		72		40-140	0		50
Fluoranthene	71		72		40-140	1		50
4-Chlorophenyl phenyl ether	65		68		40-140	5		50
4-Bromophenyl phenyl ether	64		66		40-140	3		50
Bis(2-chloroisopropyl)ether	57		58		40-140	2		50
Bis(2-chloroethoxy)methane	67		68		40-117	1		50
Hexachlorobutadiene	55		57		40-140	4		50
Hexachlorocyclopentadiene	52		54		40-140	4		50
Hexachloroethane	59		60		40-140	2		50
Isophorone	64		65		40-140	2		50
Naphthalene	62		64		40-140	3		50
Nitrobenzene	64		66		40-140	3		50
NDPA/DPA	69		70		36-157	1		50

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 266-270 WEST 96TH ST

Lab Number: L2047744

Project Number: 170432001

Report Date: 11/13/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1428968-2 WG1428968-3								
n-Nitrosodi-n-propylamine	66		67		32-121	2		50
Bis(2-ethylhexyl)phthalate	86		88		40-140	2		50
Butyl benzyl phthalate	78		81		40-140	4		50
Di-n-butylphthalate	79		81		40-140	3		50
Di-n-octylphthalate	87		90		40-140	3		50
Diethyl phthalate	71		73		40-140	3		50
Dimethyl phthalate	69		70		40-140	1		50
Benzo(a)anthracene	75		76		40-140	1		50
Benzo(a)pyrene	86		86		40-140	0		50
Benzo(b)fluoranthene	80		80		40-140	0		50
Benzo(k)fluoranthene	76		78		40-140	3		50
Chrysene	74		75		40-140	1		50
Acenaphthylene	70		71		40-140	1		50
Anthracene	76		77		40-140	1		50
Benzo(ghi)perylene	80		80		40-140	0		50
Fluorene	70		71		40-140	1		50
Phenanthrene	73		75		40-140	3		50
Dibenzo(a,h)anthracene	79		80		40-140	1		50
Indeno(1,2,3-cd)pyrene	80		81		40-140	1		50
Pyrene	72		73		35-142	1		50
Biphenyl	72		73		37-127	1		50
4-Chloroaniline	51		52		40-140	2		50
2-Nitroaniline	77		79		47-134	3		50

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 266-270 WEST 96TH ST

Lab Number: L2047744

Project Number: 170432001

Report Date: 11/13/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1428968-2 WG1428968-3								
3-Nitroaniline	59		62		26-129	5		50
4-Nitroaniline	78		80		41-125	3		50
Dibenzofuran	70		72		40-140	3		50
2-Methylnaphthalene	68		70		40-140	3		50
1,2,4,5-Tetrachlorobenzene	61		62		40-117	2		50
Acetophenone	70		70		14-144	0		50
2,4,6-Trichlorophenol	68		67		30-130	1		50
p-Chloro-m-cresol	73		75		26-103	3		50
2-Chlorophenol	68		68		25-102	0		50
2,4-Dichlorophenol	75		76		30-130	1		50
2,4-Dimethylphenol	76		78		30-130	3		50
2-Nitrophenol	71		72		30-130	1		50
4-Nitrophenol	78		80		11-114	3		50
2,4-Dinitrophenol	63		68		4-130	8		50
4,6-Dinitro-o-cresol	66		67		10-130	2		50
Pentachlorophenol	66		66		17-109	0		50
Phenol	64		65		26-90	2		50
2-Methylphenol	70		73		30-130.	4		50
3-Methylphenol/4-Methylphenol	70		73		30-130	4		50
2,4,5-Trichlorophenol	68		69		30-130	1		50
Benzoic Acid	62		67		10-110	8		50
Benzyl Alcohol	74		75		40-140	1		50
Carbazole	78		80		54-128	3		50

### Lab Control Sample Analysis Batch Quality Control

**Project Name:** 266-270 WEST 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047744  
**Report Date:** 11/13/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1428968-2 WG1428968-3								
1,4-Dioxane	42		40		40-140	5		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	72		72		25-120
Phenol-d6	73		74		10-120
Nitrobenzene-d5	69		70		23-120
2-Fluorobiphenyl	69		71		30-120
2,4,6-Tribromophenol	70		71		10-136
4-Terphenyl-d14	75		76		18-120

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 266-270 WEST 96TH ST

Lab Number: L2047744

Project Number: 170432001

Report Date: 11/13/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-02 Batch: WG1430323-2 WG1430323-3								
Perfluorobutanoic Acid (PFBA)	109		108		71-135	1		30
Perfluoropentanoic Acid (PFPeA)	111		112		69-132	1		30
Perfluorobutanesulfonic Acid (PFBS)	112		108		72-128	4		30
Perfluorohexanoic Acid (PFHxA)	112		111		70-132	1		30
Perfluoroheptanoic Acid (PFHpA)	109		110		71-131	1		30
Perfluorohexanesulfonic Acid (PFHxS)	114		115		67-130	1		30
Perfluorooctanoic Acid (PFOA)	108		109		69-133	1		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	121		138		64-140	13		30
Perfluoroheptanesulfonic Acid (PFHpS)	108		110		70-132	2		30
Perfluorononanoic Acid (PFNA)	113		115		72-129	2		30
Perfluorooctanesulfonic Acid (PFOS)	110		110		68-136	0		30
Perfluorodecanoic Acid (PFDA)	110		105		69-133	5		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	123		115		65-137	7		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	110		109		63-144	1		30
Perfluoroundecanoic Acid (PFUnA)	110		112		64-136	2		30
Perfluorodecanesulfonic Acid (PFDS)	114		112		59-134	2		30
Perfluorooctanesulfonamide (FOSA)	108		110		67-137	2		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	107		115		61-139	7		30
Perfluorododecanoic Acid (PFDoA)	116		116		69-135	0		30
Perfluorotridecanoic Acid (PFTrDA)	114		113		66-139	1		30
Perfluorotetradecanoic Acid (PFTA)	109		104		69-133	5		30

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 266-270 WEST 96TH ST

Lab Number: L2047744

Project Number: 170432001

Report Date: 11/13/20

Parameter	LCS %Recovery	Qual	LCS %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-02 Batch: WG1430323-2 WG1430323-3								

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCS %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	85		85		60-153
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	85		84		65-182
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	90		88		70-151
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	83		84		61-147
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	85		86		62-149
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	97		93		63-166
Perfluoro[13C8]Octanoic Acid (M8PFOA)	84		85		62-152
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	76		74		32-182
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	77		76		61-154
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	94		89		65-151
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	83		86		65-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	94		91		25-186
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	71		76		45-137
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	91		93		64-158
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	19		18		1-125
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	76		77		42-136
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	80		84		56-148
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	60		69		26-160

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 266-270 WEST 96TH ST

Lab Number: L2047744

Project Number: 170432001

Report Date: 11/13/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-02 Batch: WG1430323-2 WG1430323-3								
Perfluorooctanesulfonamide (FOSA)	101		105		67-137	4		30

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	109		104		1-125

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 266-270 WEST 96TH ST

Lab Number: L2047744

Project Number: 170432001

Report Date: 11/13/20

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 04 Batch: WG1433033-2 WG1433033-3								
Perfluorobutanoic Acid (PFBA)	105		106		67-148	1		30
Perfluoropentanoic Acid (PFPeA)	104		104		63-161	0		30
Perfluorobutanesulfonic Acid (PFBS)	105		106		65-157	1		30
Perfluorohexanoic Acid (PFHxA)	109		108		69-168	1		30
Perfluoroheptanoic Acid (PFHpA)	104		104		58-159	0		30
Perfluorohexanesulfonic Acid (PFHxS)	97		94		69-177	3		30
Perfluorooctanoic Acid (PFOA)	105		104		63-159	1		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	108		108		49-187	0		30
Perfluoroheptanesulfonic Acid (PFHpS)	114		110		61-179	4		30
Perfluorononanoic Acid (PFNA)	104		103		68-171	1		30
Perfluorooctanesulfonic Acid (PFOS)	113		109		52-151	4		30
Perfluorodecanoic Acid (PFDA)	107		103		63-171	4		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	128		116		56-173	10		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	69		88		60-166	24		30
Perfluoroundecanoic Acid (PFUnA)	109		113		60-153	4		30
Perfluorodecanesulfonic Acid (PFDS)	96		101		38-156	5		30
Perfluorooctanesulfonamide (FOSA)	117		120		46-170	3		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	129		96		45-170	29		30
Perfluorododecanoic Acid (PFDoA)	109		105		67-153	4		30
Perfluorotridecanoic Acid (PFTrDA)	118		109		48-158	8		30
Perfluorotetradecanoic Acid (PFTA)	110		108		59-182	2		30



## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 266-270 WEST 96TH ST

Lab Number: L2047744

Project Number: 170432001

Report Date: 11/13/20

Parameter	LCS		LCSD		%Recovery		RPD	RPD	
	%Recovery	Qual	%Recovery	Qual	Limits			Qual	Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 04 Batch: WG1433033-2 WG1433033-3									

Surrogate (Extracted Internal Standard)	LCS		LCSD		Acceptance Criteria
	%Recovery	Qual	%Recovery	Qual	
Perfluoro[13C4]Butanoic Acid (MPFBA)	97		97		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	120		119		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	108		113		31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	96		93		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	99		98		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	110		118		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	96		96		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	109		125		1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	94		94		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	97		105		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	95		95		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	91		117		7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	95		69		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	100		97		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	19		18		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	59		78		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	97		104		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	92		91		33-143

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 266-270 WEST 96TH ST

Project Number: 170432001

Lab Number: L2047744

Report Date: 11/13/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 04 Batch: WG1433033-2 WG1433033-3								
Perfluorooctanesulfonamide (FOSA)	124		117		46-170	6		30

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	57		64		1-87

# PCBS

**Project Name:** 266-270 WEST 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047744  
**Report Date:** 11/13/20

**SAMPLE RESULTS**

**Lab ID:** L2047744-01  
**Client ID:** SB16\_0-2  
**Sample Location:** NEW YORK, NY

**Date Collected:** 10/30/20 12:20  
**Date Received:** 10/30/20  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8082A  
**Analytical Date:** 11/01/20 14:33  
**Analyst:** JAW  
**Percent Solids:** 93%

**Extraction Method:** EPA 3546  
**Extraction Date:** 10/31/20 21:57  
**Cleanup Method:** EPA 3665A  
**Cleanup Date:** 11/01/20  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 11/01/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Polychlorinated Biphenyls by GC - Westborough Lab</b>							
Aroclor 1016	ND		ug/kg	98.2	8.72	1	A
Aroclor 1221	ND		ug/kg	98.2	9.84	1	A
Aroclor 1232	ND		ug/kg	98.2	20.8	1	A
Aroclor 1242	ND		ug/kg	98.2	13.2	1	A
Aroclor 1248	ND		ug/kg	98.2	14.7	1	A
Aroclor 1254	ND		ug/kg	98.2	10.7	1	A
Aroclor 1260	ND		ug/kg	98.2	18.2	1	A
Aroclor 1262	ND		ug/kg	98.2	12.5	1	A
Aroclor 1268	ND		ug/kg	98.2	10.2	1	A
PCBs, Total	ND		ug/kg	98.2	8.72	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		30-150	A
Decachlorobiphenyl	66		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		30-150	B
Decachlorobiphenyl	140		30-150	B

**Project Name:** 266-270 WEST 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047744  
**Report Date:** 11/13/20

**SAMPLE RESULTS**

**Lab ID:** L2047744-02  
**Client ID:** SB16\_2-4.5  
**Sample Location:** NEW YORK, NY

**Date Collected:** 10/30/20 13:00  
**Date Received:** 10/30/20  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8082A  
**Analytical Date:** 11/01/20 14:40  
**Analyst:** JAW  
**Percent Solids:** 92%

**Extraction Method:** EPA 3546  
**Extraction Date:** 10/31/20 21:57  
**Cleanup Method:** EPA 3665A  
**Cleanup Date:** 11/01/20  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 11/01/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Polychlorinated Biphenyls by GC - Westborough Lab</b>							
Aroclor 1016	ND		ug/kg	35.5	3.15	1	A
Aroclor 1221	ND		ug/kg	35.5	3.55	1	A
Aroclor 1232	ND		ug/kg	35.5	7.52	1	A
Aroclor 1242	ND		ug/kg	35.5	4.78	1	A
Aroclor 1248	ND		ug/kg	35.5	5.32	1	A
Aroclor 1254	ND		ug/kg	35.5	3.88	1	A
Aroclor 1260	ND		ug/kg	35.5	6.55	1	A
Aroclor 1262	ND		ug/kg	35.5	4.50	1	A
Aroclor 1268	ND		ug/kg	35.5	3.67	1	A
PCBs, Total	ND		ug/kg	35.5	3.15	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		30-150	A
Decachlorobiphenyl	69		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	73		30-150	B

**Project Name:** 266-270 WEST 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047744  
**Report Date:** 11/13/20

**Method Blank Analysis  
 Batch Quality Control**

Analytical Method: 1,8082A  
 Analytical Date: 11/01/20 12:01  
 Analyst: JAW

Extraction Method: EPA 3546  
 Extraction Date: 10/31/20 21:56  
 Cleanup Method: EPA 3665A  
 Cleanup Date: 11/01/20  
 Cleanup Method: EPA 3660B  
 Cleanup Date: 11/01/20

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-02 Batch: WG1428982-1						
Aroclor 1016	ND		ug/kg	31.6	2.81	A
Aroclor 1221	ND		ug/kg	31.6	3.17	A
Aroclor 1232	ND		ug/kg	31.6	6.70	A
Aroclor 1242	ND		ug/kg	31.6	4.26	A
Aroclor 1248	ND		ug/kg	31.6	4.74	A
Aroclor 1254	ND		ug/kg	31.6	3.46	A
Aroclor 1260	ND		ug/kg	31.6	5.84	A
Aroclor 1262	ND		ug/kg	31.6	4.02	A
Aroclor 1268	ND		ug/kg	31.6	3.28	A
PCBs, Total	ND		ug/kg	31.6	2.81	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	128		30-150	A
Decachlorobiphenyl	122		30-150	A
2,4,5,6-Tetrachloro-m-xylene	142		30-150	B
Decachlorobiphenyl	135		30-150	B

### Lab Control Sample Analysis Batch Quality Control

**Project Name:** 266-270 WEST 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047744  
**Report Date:** 11/13/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-02 Batch: WG1428982-2 WG1428982-3									
Aroclor 1016	83		83		40-140	0		50	A
Aroclor 1260	76		77		40-140	1		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	78		78		30-150	A
Decachlorobiphenyl	74		75		30-150	A
2,4,5,6-Tetrachloro-m-xylene	84		85		30-150	B
Decachlorobiphenyl	79		81		30-150	B

# PESTICIDES



**Project Name:** 266-270 WEST 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047744  
**Report Date:** 11/13/20

**SAMPLE RESULTS**

**Lab ID:** L2047744-01  
**Client ID:** SB16\_0-2  
**Sample Location:** NEW YORK, NY

**Date Collected:** 10/30/20 12:20  
**Date Received:** 10/30/20  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8081B  
**Analytical Date:** 11/02/20 23:25  
**Analyst:** EJL  
**Percent Solids:** 93%

**Extraction Method:** EPA 3546  
**Extraction Date:** 11/01/20 09:39  
**Cleanup Method:** EPA 3620B  
**Cleanup Date:** 11/02/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Organochlorine Pesticides by GC - Westborough Lab</b>							
Delta-BHC	ND		ug/kg	1.70	0.334	1	A
Lindane	ND		ug/kg	0.710	0.317	1	A
Alpha-BHC	ND		ug/kg	0.710	0.202	1	A
Beta-BHC	ND		ug/kg	1.70	0.646	1	A
Heptachlor	ND		ug/kg	0.852	0.382	1	A
Aldrin	ND		ug/kg	1.70	0.600	1	A
Heptachlor epoxide	ND		ug/kg	3.19	0.958	1	A
Endrin	ND		ug/kg	0.710	0.291	1	A
Endrin aldehyde	ND		ug/kg	2.13	0.745	1	A
Endrin ketone	ND		ug/kg	1.70	0.438	1	A
Dieldrin	ND		ug/kg	1.06	0.532	1	A
4,4'-DDE	ND		ug/kg	1.70	0.394	1	A
4,4'-DDD	ND		ug/kg	1.70	0.607	1	A
4,4'-DDT	ND		ug/kg	3.19	1.37	1	A
Endosulfan I	ND		ug/kg	1.70	0.402	1	A
Endosulfan II	ND		ug/kg	1.70	0.569	1	A
Endosulfan sulfate	ND		ug/kg	0.710	0.338	1	A
Methoxychlor	ND		ug/kg	3.19	0.993	1	A
Toxaphene	ND		ug/kg	31.9	8.94	1	A
cis-Chlordane	ND		ug/kg	2.13	0.593	1	A
trans-Chlordane	ND		ug/kg	2.13	0.562	1	A
Chlordane	ND		ug/kg	14.2	5.64	1	A

**Project Name:** 266-270 WEST 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047744  
**Report Date:** 11/13/20

**SAMPLE RESULTS**

Lab ID: L2047744-01  
 Client ID: SB16\_0-2  
 Sample Location: NEW YORK, NY

Date Collected: 10/30/20 12:20  
 Date Received: 10/30/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	107		30-150	A
Decachlorobiphenyl	233	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	80		30-150	B
Decachlorobiphenyl	4680	Q	30-150	B

**Project Name:** 266-270 WEST 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047744  
**Report Date:** 11/13/20

**SAMPLE RESULTS**

**Lab ID:** L2047744-02  
**Client ID:** SB16\_2-4.5  
**Sample Location:** NEW YORK, NY

**Date Collected:** 10/30/20 13:00  
**Date Received:** 10/30/20  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8081B  
**Analytical Date:** 11/02/20 23:37  
**Analyst:** EJL  
**Percent Solids:** 92%

**Extraction Method:** EPA 3546  
**Extraction Date:** 11/01/20 09:39  
**Cleanup Method:** EPA 3620B  
**Cleanup Date:** 11/02/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Organochlorine Pesticides by GC - Westborough Lab</b>							
Delta-BHC	ND		ug/kg	1.68	0.329	1	A
Lindane	ND		ug/kg	0.699	0.312	1	A
Alpha-BHC	ND		ug/kg	0.699	0.198	1	A
Beta-BHC	ND		ug/kg	1.68	0.636	1	A
Heptachlor	ND		ug/kg	0.839	0.376	1	A
Aldrin	ND		ug/kg	1.68	0.591	1	A
Heptachlor epoxide	ND		ug/kg	3.15	0.944	1	A
Endrin	ND		ug/kg	0.699	0.287	1	A
Endrin aldehyde	ND		ug/kg	2.10	0.734	1	A
Endrin ketone	ND		ug/kg	1.68	0.432	1	A
Dieldrin	ND		ug/kg	1.05	0.524	1	A
4,4'-DDE	ND		ug/kg	1.68	0.388	1	A
4,4'-DDD	ND		ug/kg	1.68	0.598	1	A
4,4'-DDT	ND		ug/kg	3.15	1.35	1	A
Endosulfan I	ND		ug/kg	1.68	0.396	1	A
Endosulfan II	ND		ug/kg	1.68	0.561	1	A
Endosulfan sulfate	ND		ug/kg	0.699	0.333	1	A
Methoxychlor	ND		ug/kg	3.15	0.979	1	A
Toxaphene	ND		ug/kg	31.5	8.81	1	A
cis-Chlordane	ND		ug/kg	2.10	0.585	1	A
trans-Chlordane	ND		ug/kg	2.10	0.554	1	A
Chlordane	ND		ug/kg	14.0	5.56	1	A

**Project Name:** 266-270 WEST 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047744  
**Report Date:** 11/13/20

**SAMPLE RESULTS**

Lab ID: L2047744-02  
 Client ID: SB16\_2-4.5  
 Sample Location: NEW YORK, NY

Date Collected: 10/30/20 13:00  
 Date Received: 10/30/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	108		30-150	A
Decachlorobiphenyl	575	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	93		30-150	B
Decachlorobiphenyl	95		30-150	B

**Project Name:** 266-270 WEST 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047744  
**Report Date:** 11/13/20

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 1,8081B  
Analytical Date: 11/02/20 23:59  
Analyst: BM

Extraction Method: EPA 3546  
Extraction Date: 11/01/20 09:39  
Cleanup Method: EPA 3620B  
Cleanup Date: 11/02/20

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-02 Batch: WG1429009-1						
Delta-BHC	ND		ug/kg	1.53	0.300	A
Lindane	ND		ug/kg	0.637	0.285	A
Alpha-BHC	ND		ug/kg	0.637	0.181	A
Beta-BHC	ND		ug/kg	1.53	0.580	A
Heptachlor	ND		ug/kg	0.765	0.343	A
Aldrin	ND		ug/kg	1.53	0.538	A
Heptachlor epoxide	ND		ug/kg	2.87	0.860	A
Endrin	ND		ug/kg	0.637	0.261	A
Endrin aldehyde	ND		ug/kg	1.91	0.669	A
Endrin ketone	ND		ug/kg	1.53	0.394	A
Dieldrin	ND		ug/kg	0.956	0.478	A
4,4'-DDE	ND		ug/kg	1.53	0.354	A
4,4'-DDD	ND		ug/kg	1.53	0.546	A
4,4'-DDT	ND		ug/kg	2.87	1.23	A
Endosulfan I	ND		ug/kg	1.53	0.361	A
Endosulfan II	ND		ug/kg	1.53	0.511	A
Endosulfan sulfate	ND		ug/kg	0.637	0.303	A
Methoxychlor	ND		ug/kg	2.87	0.892	A
Toxaphene	ND		ug/kg	28.7	8.03	A
cis-Chlordane	ND		ug/kg	1.91	0.533	A
trans-Chlordane	ND		ug/kg	1.91	0.505	A
Chlordane	ND		ug/kg	12.7	5.07	A

**Project Name:** 266-270 WEST 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047744  
**Report Date:** 11/13/20

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8081B  
Analytical Date: 11/02/20 23:59  
Analyst: BM

Extraction Method: EPA 3546  
Extraction Date: 11/01/20 09:39  
Cleanup Method: EPA 3620B  
Cleanup Date: 11/02/20

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-02 Batch: WG1429009-1						

Surrogate	%Recovery	Qualifier	Acceptance	
			Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	110		30-150	A
Decachlorobiphenyl	<b>186</b>	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	98		30-150	B
Decachlorobiphenyl	107		30-150	B

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 266-270 WEST 96TH ST

Lab Number: L2047744

Project Number: 170432001

Report Date: 11/13/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-02 Batch: WG1429009-2 WG1429009-3									
Delta-BHC	95		84		30-150	12		30	A
Lindane	99		85		30-150	15		30	A
Alpha-BHC	98		86		30-150	13		30	A
Beta-BHC	106		101		30-150	5		30	A
Heptachlor	110		98		30-150	12		30	A
Aldrin	84		79		30-150	6		30	A
Heptachlor epoxide	94		84		30-150	11		30	A
Endrin	98		89		30-150	10		30	A
Endrin aldehyde	50		57		30-150	13		30	A
Endrin ketone	80		75		30-150	6		30	A
Dieldrin	82		74		30-150	10		30	A
4,4'-DDE	76		73		30-150	4		30	A
4,4'-DDD	84		80		30-150	5		30	A
4,4'-DDT	98		92		30-150	6		30	A
Endosulfan I	85		79		30-150	7		30	A
Endosulfan II	98		92		30-150	6		30	A
Endosulfan sulfate	79		69		30-150	14		30	A
Methoxychlor	95		101		30-150	6		30	A
cis-Chlordane	68		66		30-150	3		30	A
trans-Chlordane	101		88		30-150	14		30	A

### Lab Control Sample Analysis Batch Quality Control

**Project Name:** 266-270 WEST 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047744  
**Report Date:** 11/13/20

Parameter	<i>LCS</i> %Recovery	<i>Qual</i>	<i>LCSD</i> %Recovery	<i>Qual</i>	<i>%Recovery</i> Limits	<i>RPD</i>	<i>Qual</i>	<i>RPD</i> Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-02 Batch: WG1429009-2 WG1429009-3								

<i>Surrogate</i>	<i>LCS</i> %Recovery	<i>Qual</i>	<i>LCSD</i> %Recovery	<i>Qual</i>	<i>Acceptance</i> Criteria	<i>Column</i>
2,4,5,6-Tetrachloro-m-xylene	122		99		30-150	A
Decachlorobiphenyl	118		117		30-150	A
2,4,5,6-Tetrachloro-m-xylene	107		92		30-150	B
Decachlorobiphenyl	112		116		30-150	B



## METALS

Project Name: 266-270 WEST 96TH ST

Lab Number: L2047744

Project Number: 170432001

Report Date: 11/13/20

## SAMPLE RESULTS

Lab ID: L2047744-01  
 Client ID: SB16\_0-2  
 Sample Location: NEW YORK, NY

Date Collected: 10/30/20 12:20  
 Date Received: 10/30/20  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil  
 Percent Solids: 93%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Aluminum, Total	8410		mg/kg	8.42	2.27	2	11/03/20 01:35	11/05/20 09:35	EPA 3050B	1,6010D	GD
Antimony, Total	ND		mg/kg	4.21	0.320	2	11/03/20 01:35	11/05/20 09:35	EPA 3050B	1,6010D	GD
Arsenic, Total	3.12		mg/kg	0.842	0.175	2	11/03/20 01:35	11/05/20 09:35	EPA 3050B	1,6010D	GD
Barium, Total	46.8		mg/kg	0.842	0.146	2	11/03/20 01:35	11/05/20 09:35	EPA 3050B	1,6010D	GD
Beryllium, Total	0.185	J	mg/kg	0.421	0.028	2	11/03/20 01:35	11/05/20 09:35	EPA 3050B	1,6010D	GD
Cadmium, Total	0.379	J	mg/kg	0.842	0.083	2	11/03/20 01:35	11/05/20 09:35	EPA 3050B	1,6010D	GD
Calcium, Total	14100		mg/kg	8.42	2.95	2	11/03/20 01:35	11/05/20 09:35	EPA 3050B	1,6010D	GD
Chromium, Total	16.5		mg/kg	0.842	0.081	2	11/03/20 01:35	11/05/20 09:35	EPA 3050B	1,6010D	GD
Cobalt, Total	7.34		mg/kg	1.68	0.140	2	11/03/20 01:35	11/05/20 09:35	EPA 3050B	1,6010D	GD
Copper, Total	24.1		mg/kg	0.842	0.217	2	11/03/20 01:35	11/05/20 09:35	EPA 3050B	1,6010D	GD
Iron, Total	15100		mg/kg	4.21	0.760	2	11/03/20 01:35	11/05/20 09:35	EPA 3050B	1,6010D	GD
Lead, Total	99.5		mg/kg	4.21	0.226	2	11/03/20 01:35	11/05/20 09:35	EPA 3050B	1,6010D	GD
Magnesium, Total	2710		mg/kg	8.42	1.30	2	11/03/20 01:35	11/05/20 09:35	EPA 3050B	1,6010D	GD
Manganese, Total	266		mg/kg	0.842	0.134	2	11/03/20 01:35	11/05/20 09:35	EPA 3050B	1,6010D	GD
Mercury, Total	ND		mg/kg	0.081	0.053	1	11/03/20 01:58	11/03/20 14:21	EPA 7471B	1,7471B	OL
Nickel, Total	14.0		mg/kg	2.10	0.204	2	11/03/20 01:35	11/05/20 09:35	EPA 3050B	1,6010D	GD
Potassium, Total	1370		mg/kg	210	12.1	2	11/03/20 01:35	11/05/20 09:35	EPA 3050B	1,6010D	GD
Selenium, Total	0.370	J	mg/kg	1.68	0.217	2	11/03/20 01:35	11/05/20 09:35	EPA 3050B	1,6010D	GD
Silver, Total	ND		mg/kg	0.842	0.238	2	11/03/20 01:35	11/05/20 09:35	EPA 3050B	1,6010D	GD
Sodium, Total	212		mg/kg	168	2.65	2	11/03/20 01:35	11/05/20 09:35	EPA 3050B	1,6010D	GD
Thallium, Total	ND		mg/kg	1.68	0.265	2	11/03/20 01:35	11/05/20 09:35	EPA 3050B	1,6010D	GD
Vanadium, Total	22.6		mg/kg	0.842	0.171	2	11/03/20 01:35	11/05/20 09:35	EPA 3050B	1,6010D	GD
Zinc, Total	42.3		mg/kg	4.21	0.247	2	11/03/20 01:35	11/05/20 09:35	EPA 3050B	1,6010D	GD
<b>General Chemistry - Mansfield Lab</b>											
Chromium, Trivalent	16		mg/kg	0.86	0.86	1		11/05/20 09:35	NA	107,-	



Project Name: 266-270 WEST 96TH ST

Lab Number: L2047744

Project Number: 170432001

Report Date: 11/13/20

## SAMPLE RESULTS

Lab ID: L2047744-02  
 Client ID: SB16\_2-4.5  
 Sample Location: NEW YORK, NY

Date Collected: 10/30/20 13:00  
 Date Received: 10/30/20  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil  
 Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Aluminum, Total	8370		mg/kg	8.62	2.33	2	11/03/20 01:35	11/05/20 09:40	EPA 3050B	1,6010D	GD
Antimony, Total	ND		mg/kg	4.31	0.328	2	11/03/20 01:35	11/05/20 09:40	EPA 3050B	1,6010D	GD
Arsenic, Total	2.03		mg/kg	0.862	0.179	2	11/03/20 01:35	11/05/20 09:40	EPA 3050B	1,6010D	GD
Barium, Total	43.2		mg/kg	0.862	0.150	2	11/03/20 01:35	11/05/20 09:40	EPA 3050B	1,6010D	GD
Beryllium, Total	0.121	J	mg/kg	0.431	0.028	2	11/03/20 01:35	11/05/20 09:40	EPA 3050B	1,6010D	GD
Cadmium, Total	0.276	J	mg/kg	0.862	0.085	2	11/03/20 01:35	11/05/20 09:40	EPA 3050B	1,6010D	GD
Calcium, Total	1190		mg/kg	8.62	3.02	2	11/03/20 01:35	11/05/20 09:40	EPA 3050B	1,6010D	GD
Chromium, Total	17.1		mg/kg	0.862	0.083	2	11/03/20 01:35	11/05/20 09:40	EPA 3050B	1,6010D	GD
Cobalt, Total	5.38		mg/kg	1.72	0.143	2	11/03/20 01:35	11/05/20 09:40	EPA 3050B	1,6010D	GD
Copper, Total	11.8		mg/kg	0.862	0.222	2	11/03/20 01:35	11/05/20 09:40	EPA 3050B	1,6010D	GD
Iron, Total	12600		mg/kg	4.31	0.778	2	11/03/20 01:35	11/05/20 09:40	EPA 3050B	1,6010D	GD
Lead, Total	14.2		mg/kg	4.31	0.231	2	11/03/20 01:35	11/05/20 09:40	EPA 3050B	1,6010D	GD
Magnesium, Total	2820		mg/kg	8.62	1.33	2	11/03/20 01:35	11/05/20 09:40	EPA 3050B	1,6010D	GD
Manganese, Total	240		mg/kg	0.862	0.137	2	11/03/20 01:35	11/05/20 09:40	EPA 3050B	1,6010D	GD
Mercury, Total	ND		mg/kg	0.077	0.050	1	11/03/20 01:58	11/03/20 14:24	EPA 7471B	1,7471B	OL
Nickel, Total	14.8		mg/kg	2.16	0.209	2	11/03/20 01:35	11/05/20 09:40	EPA 3050B	1,6010D	GD
Potassium, Total	1100		mg/kg	216	12.4	2	11/03/20 01:35	11/05/20 09:40	EPA 3050B	1,6010D	GD
Selenium, Total	0.241	J	mg/kg	1.72	0.222	2	11/03/20 01:35	11/05/20 09:40	EPA 3050B	1,6010D	GD
Silver, Total	ND		mg/kg	0.862	0.244	2	11/03/20 01:35	11/05/20 09:40	EPA 3050B	1,6010D	GD
Sodium, Total	123	J	mg/kg	172	2.72	2	11/03/20 01:35	11/05/20 09:40	EPA 3050B	1,6010D	GD
Thallium, Total	ND		mg/kg	1.72	0.272	2	11/03/20 01:35	11/05/20 09:40	EPA 3050B	1,6010D	GD
Vanadium, Total	21.3		mg/kg	0.862	0.175	2	11/03/20 01:35	11/05/20 09:40	EPA 3050B	1,6010D	GD
Zinc, Total	25.2		mg/kg	4.31	0.253	2	11/03/20 01:35	11/05/20 09:40	EPA 3050B	1,6010D	GD
<b>General Chemistry - Mansfield Lab</b>											
Chromium, Trivalent	17	J	mg/kg	0.87	0.87	1		11/05/20 09:40	NA	107,-	



**Project Name:** 266-270 WEST 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047744  
**Report Date:** 11/13/20

## Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-02 Batch: WG1429468-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	11/03/20 01:35	11/05/20 09:26	1,6010D	GD
Antimony, Total	ND		mg/kg	2.00	0.152	1	11/03/20 01:35	11/05/20 09:26	1,6010D	GD
Arsenic, Total	ND		mg/kg	0.400	0.083	1	11/03/20 01:35	11/05/20 09:26	1,6010D	GD
Barium, Total	ND		mg/kg	0.400	0.070	1	11/03/20 01:35	11/05/20 09:26	1,6010D	GD
Beryllium, Total	ND		mg/kg	0.200	0.013	1	11/03/20 01:35	11/05/20 09:26	1,6010D	GD
Cadmium, Total	ND		mg/kg	0.400	0.039	1	11/03/20 01:35	11/05/20 09:26	1,6010D	GD
Calcium, Total	1.82	J	mg/kg	4.00	1.40	1	11/03/20 01:35	11/05/20 09:26	1,6010D	GD
Chromium, Total	ND		mg/kg	0.400	0.038	1	11/03/20 01:35	11/05/20 09:26	1,6010D	GD
Cobalt, Total	ND		mg/kg	0.800	0.066	1	11/03/20 01:35	11/05/20 09:26	1,6010D	GD
Copper, Total	ND		mg/kg	0.400	0.103	1	11/03/20 01:35	11/05/20 09:26	1,6010D	GD
Iron, Total	ND		mg/kg	2.00	0.361	1	11/03/20 01:35	11/05/20 09:26	1,6010D	GD
Lead, Total	ND		mg/kg	2.00	0.107	1	11/03/20 01:35	11/05/20 09:26	1,6010D	GD
Magnesium, Total	ND		mg/kg	4.00	0.616	1	11/03/20 01:35	11/05/20 09:26	1,6010D	GD
Manganese, Total	ND		mg/kg	0.400	0.064	1	11/03/20 01:35	11/05/20 09:26	1,6010D	GD
Nickel, Total	ND		mg/kg	1.00	0.097	1	11/03/20 01:35	11/05/20 09:26	1,6010D	GD
Potassium, Total	8.82	J	mg/kg	100	5.76	1	11/03/20 01:35	11/05/20 09:26	1,6010D	GD
Selenium, Total	ND		mg/kg	0.800	0.103	1	11/03/20 01:35	11/05/20 09:26	1,6010D	GD
Silver, Total	ND		mg/kg	0.400	0.113	1	11/03/20 01:35	11/05/20 09:26	1,6010D	GD
Sodium, Total	11.6	J	mg/kg	80.0	1.26	1	11/03/20 01:35	11/05/20 09:26	1,6010D	GD
Thallium, Total	ND		mg/kg	0.800	0.126	1	11/03/20 01:35	11/05/20 09:26	1,6010D	GD
Vanadium, Total	ND		mg/kg	0.400	0.081	1	11/03/20 01:35	11/05/20 09:26	1,6010D	GD
Zinc, Total	ND		mg/kg	2.00	0.117	1	11/03/20 01:35	11/05/20 09:26	1,6010D	GD

### Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-02 Batch: WG1429469-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	11/03/20 01:58	11/03/20 13:08	1,7471B	OL



**Project Name:** 266-270 WEST 96TH ST

**Lab Number:** L2047744

**Project Number:** 170432001

**Report Date:** 11/13/20

## **Method Blank Analysis Batch Quality Control**

### **Prep Information**

---

Digestion Method: EPA 7471B

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 266-270 WEST 96TH ST

Lab Number: L2047744

Project Number: 170432001

Report Date: 11/13/20

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Total Metals - Mansfield Lab Associated sample(s): 01-02 Batch: WG1429468-2 SRM Lot Number: D109-540								
Aluminum, Total	70		-		50-150	-		
Antimony, Total	151		-		19-250	-		
Arsenic, Total	95		-		70-130	-		
Barium, Total	91		-		75-125	-		
Beryllium, Total	103		-		75-125	-		
Cadmium, Total	98		-		75-125	-		
Calcium, Total	93		-		73-128	-		
Chromium, Total	99		-		70-130	-		
Cobalt, Total	101		-		75-125	-		
Copper, Total	94		-		75-125	-		
Iron, Total	89		-		35-165	-		
Lead, Total	88		-		72-128	-		
Magnesium, Total	80		-		62-138	-		
Manganese, Total	96		-		74-126	-		
Nickel, Total	98		-		70-130	-		
Potassium, Total	84		-		59-141	-		
Selenium, Total	93		-		68-132	-		
Silver, Total	92		-		68-131	-		
Sodium, Total	103		-		35-165	-		
Thallium, Total	94		-		68-131	-		
Vanadium, Total	93		-		59-141	-		

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 266-270 WEST 96TH ST

**Project Number:** 170432001

**Lab Number:** L2047744

**Report Date:** 11/13/20

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 Batch: WG1429468-2 SRM Lot Number: D109-540					
Zinc, Total	92	-	70-130	-	
Total Metals - Mansfield Lab Associated sample(s): 01-02 Batch: WG1429469-2 SRM Lot Number: D109-540					
Mercury, Total	84	-	60-140	-	

## Matrix Spike Analysis

### Batch Quality Control

Project Name: 266-270 WEST 96TH ST

Lab Number: L2047744

Project Number: 170432001

Report Date: 11/13/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02    QC Batch ID: WG1429468-3    QC Sample: L2047463-01    Client ID: MS Sample												
Aluminum, Total	6330	182	7980	908	Q	-	-		75-125	-		20
Antimony, Total	0.480J	45.4	37.1	82		-	-		75-125	-		20
Arsenic, Total	4.82	10.9	14.9	92		-	-		75-125	-		20
Barium, Total	116	182	259	79		-	-		75-125	-		20
Beryllium, Total	0.281J	4.54	4.38	96		-	-		75-125	-		20
Cadmium, Total	0.416J	4.64	4.40	95		-	-		75-125	-		20
Calcium, Total	45400	909	19200	0	Q	-	-		75-125	-		20
Chromium, Total	13.2	18.2	29.3	88		-	-		75-125	-		20
Cobalt, Total	6.57	45.4	43.2	80		-	-		75-125	-		20
Copper, Total	28.2	22.7	56.6	125		-	-		75-125	-		20
Iron, Total	13900	90.9	15300	1540	Q	-	-		75-125	-		20
Lead, Total	32.6	46.4	84.8	113		-	-		75-125	-		20
Magnesium, Total	20400	909	10200	0	Q	-	-		75-125	-		20
Manganese, Total	384	45.4	493	240	Q	-	-		75-125	-		20
Nickel, Total	18.9	45.4	50.8	70	Q	-	-		75-125	-		20
Potassium, Total	699	909	1550	94		-	-		75-125	-		20
Selenium, Total	0.806J	10.9	9.46	87		-	-		75-125	-		20
Silver, Total	ND	27.3	23.5	86		-	-		75-125	-		20
Sodium, Total	144J	909	1010	111		-	-		75-125	-		20
Thallium, Total	ND	10.9	8.07	74	Q	-	-		75-125	-		20
Vanadium, Total	13.0	45.4	52.6	87		-	-		75-125	-		20



**Matrix Spike Analysis**  
Batch Quality Control

Project Name: 266-270 WEST 96TH ST

Lab Number: L2047744

Project Number: 170432001

Report Date: 11/13/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1429468-3 QC Sample: L2047463-01 Client ID: MS Sample									
Zinc, Total	80.3	45.4	96.1	35	Q	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1429469-3 QC Sample: L2047463-01 Client ID: MS Sample									
Mercury, Total	0.389	0.15	0.467	52	Q	-	80-120	-	20

## Lab Duplicate Analysis

*Batch Quality Control*

Project Name: 266-270 WEST 96TH ST

Project Number: 170432001

Lab Number: L2047744

Report Date: 11/13/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1429468-4 QC Sample: L2047463-01 Client ID: DUP Sample						
Aluminum, Total	6330	7760	mg/kg	20		20
Antimony, Total	0.480J	0.502J	mg/kg	NC		20
Arsenic, Total	4.82	5.11	mg/kg	6		20
Barium, Total	116	98.8	mg/kg	16		20
Beryllium, Total	0.281J	0.392J	mg/kg	NC		20
Cadmium, Total	0.416J	0.456J	mg/kg	NC		20
Calcium, Total	45400	23700	mg/kg	63	Q	20
Chromium, Total	13.2	14.8	mg/kg	11		20
Cobalt, Total	6.57	6.81	mg/kg	4		20
Copper, Total	28.2	25.7	mg/kg	9		20
Iron, Total	13900	16100	mg/kg	15		20
Lead, Total	32.6	32.4	mg/kg	1		20
Magnesium, Total	20400	10600	mg/kg	63	Q	20
Manganese, Total	384	475	mg/kg	21	Q	20
Nickel, Total	18.9	16.9	mg/kg	11		20
Potassium, Total	699	836	mg/kg	18		20
Selenium, Total	0.806J	0.602J	mg/kg	NC		20
Silver, Total	ND	ND	mg/kg	NC		20
Sodium, Total	144J	164J	mg/kg	NC		20

### Lab Duplicate Analysis Batch Quality Control

**Project Name:** 266-270 WEST 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047744  
**Report Date:** 11/13/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1429468-4 QC Sample: L2047463-01 Client ID: DUP Sample					
Thallium, Total	ND	ND	mg/kg	NC	20
Vanadium, Total	13.0	16.3	mg/kg	23 Q	20
Zinc, Total	80.3	43.7	mg/kg	59 Q	20
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1429469-4 QC Sample: L2047463-01 Client ID: DUP Sample					
Mercury, Total	0.389	0.206	mg/kg	62 Q	20



# **INORGANICS & MISCELLANEOUS**

**Project Name:** 266-270 WEST 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047744  
**Report Date:** 11/13/20

**SAMPLE RESULTS**

**Lab ID:** L2047744-01  
**Client ID:** SB16\_0-2  
**Sample Location:** NEW YORK, NY

**Date Collected:** 10/30/20 12:20  
**Date Received:** 10/30/20  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	93.2		%	0.100	NA	1	-	10/31/20 11:46	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.1	0.22	1	11/02/20 12:55	11/03/20 12:47	1,9010C/9012B	CR
Chromium, Hexavalent	ND		mg/kg	0.858	0.172	1	11/02/20 17:56	11/03/20 13:41	1,7196A	DR



**Project Name:** 266-270 WEST 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047744  
**Report Date:** 11/13/20

**SAMPLE RESULTS**

**Lab ID:** L2047744-02  
**Client ID:** SB16\_2-4.5  
**Sample Location:** NEW YORK, NY

**Date Collected:** 10/30/20 13:00  
**Date Received:** 10/30/20  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	92.2		%	0.100	NA	1	-	10/31/20 11:46	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.0	0.22	1	11/02/20 12:55	11/03/20 12:50	1,9010C/9012B	CR
Chromium, Hexavalent	0.456	J	mg/kg	0.868	0.174	1	11/02/20 17:56	11/03/20 13:41	1,7196A	DR



Project Name: 266-270 WEST 96TH ST

Lab Number: L2047744

Project Number: 170432001

Report Date: 11/13/20

**Method Blank Analysis**  
**Batch Quality Control**

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01-02 Batch: WG1429289-1									
Cyanide, Total	ND	mg/kg	0.96	0.20	1	11/02/20 12:55	11/03/20 12:34	1,9010C/9012B	CR
General Chemistry - Westborough Lab for sample(s): 01-02 Batch: WG1429361-1									
Chromium, Hexavalent	ND	mg/kg	0.800	0.160	1	11/02/20 17:56	11/03/20 13:41	1,7196A	DR

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 266-270 WEST 96TH ST

**Project Number:** 170432001

**Lab Number:** L2047744

**Report Date:** 11/13/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 Batch: WG1429289-2 WG1429289-3								
Cyanide, Total	71	Q	77	Q	80-120	2		35
General Chemistry - Westborough Lab Associated sample(s): 01-02 Batch: WG1429361-2								
Chromium, Hexavalent	90		-		80-120	-		20



### Matrix Spike Analysis Batch Quality Control

**Project Name:** 266-270 WEST 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047744  
**Report Date:** 11/13/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Qual	MSD Found	MSD %Recovery	MSD Qual	Recovery Limits	RPD	RPD Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG1429289-4 WG1429289-5 QC Sample: L2047744-01 Client ID: SB16_0-2												
Cyanide, Total	ND	10	10	99		10	95		75-125	0		35
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG1429361-4 QC Sample: L2047744-02 Client ID: SB16_2-4.5												
Chromium, Hexavalent	0.456J	1250	1450	116		-	-		75-125	-		20

## Lab Duplicate Analysis

*Batch Quality Control*

Project Name: 266-270 WEST 96TH ST

Project Number: 170432001

Lab Number: L2047744

Report Date: 11/13/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG1428823-1 QC Sample: L2047198-01 Client ID: DUP Sample						
Solids, Total	65.0	66.4	%	2		20
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG1429361-6 QC Sample: L2047744-02 Client ID: SB16_2-4.5						
Chromium, Hexavalent	0.456J	ND	mg/kg	NC		20

**Project Name:** 266-270 WEST 96TH ST  
**Project Number:** 170432001

**Serial\_No:**11132015:29  
**Lab Number:** L2047744  
**Report Date:** 11/13/20

**Sample Receipt and Container Information**

Were project specific reporting limits specified? YES

**Cooler Information**

**Cooler**                      **Custody Seal**  
A                                      Absent

**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2047744-01A	Vial MeOH preserved	A	NA		5.4	Y	Absent		NYTCL-8260HLW(14)
L2047744-01B	Vial water preserved	A	NA		5.4	Y	Absent	31-OCT-20 04:41	NYTCL-8260HLW(14)
L2047744-01C	Vial water preserved	A	NA		5.4	Y	Absent	31-OCT-20 04:41	NYTCL-8260HLW(14)
L2047744-01D	Bacteria Cup unpreserved	A	NA		5.4	Y	Absent		TS(7)
L2047744-01E	Plastic 2oz unpreserved for TS	A	NA		5.4	Y	Absent		TS(7)
L2047744-01F	Metals Only-Glass 60mL/2oz unpreserved	A	NA		5.4	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),TL-TI(180),NI-TI(180),AL-TI(180),PB-TI(180),SB-TI(180),CU-TI(180),ZN-TI(180),SE-TI(180),V-TI(180),CO-TI(180),FE-TI(180),MN-TI(180),MG-TI(180),HG-T(28),NA-TI(180),CA-TI(180),CD-TI(180),K-TI(180)
L2047744-01G	Glass 120ml/4oz unpreserved	A	NA		5.4	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30)
L2047744-01H	Plastic 8oz unpreserved	A	NA		5.4	Y	Absent		A2-NY-537-ISOTOPE(14)
L2047744-01I	Glass 250ml/8oz unpreserved	A	NA		5.4	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30)
L2047744-02A	Vial MeOH preserved	A	NA		5.4	Y	Absent		NYTCL-8260HLW(14)
L2047744-02B	Vial water preserved	A	NA		5.4	Y	Absent	31-OCT-20 04:41	NYTCL-8260HLW(14)
L2047744-02C	Vial water preserved	A	NA		5.4	Y	Absent	31-OCT-20 04:41	NYTCL-8260HLW(14)
L2047744-02D	Bacteria Cup unpreserved	A	NA		5.4	Y	Absent		TS(7)
L2047744-02E	Plastic 2oz unpreserved for TS	A	NA		5.4	Y	Absent		TS(7)
L2047744-02F	Metals Only-Glass 60mL/2oz unpreserved	A	NA		5.4	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),AL-TI(180),CU-TI(180),SE-TI(180),SB-TI(180),PB-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MN-TI(180),MG-TI(180),NA-TI(180),CA-TI(180),CD-TI(180),K-TI(180)
L2047744-02G	Glass 120ml/4oz unpreserved	A	NA		5.4	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30)
L2047744-02H	Plastic 8oz unpreserved	A	NA		5.4	Y	Absent		A2-NY-537-ISOTOPE(14)

**Project Name:** 266-270 WEST 96TH ST  
**Project Number:** 170432001

Serial\_No:11132015:29  
**Lab Number:** L2047744  
**Report Date:** 11/13/20

**Container Information**

<b>Container ID</b>	<b>Container Type</b>	<b>Cooler</b>	<b>Initial pH</b>	<b>Final pH</b>	<b>Temp deg C</b>	<b>Pres</b>	<b>Seal</b>	<b>Frozen Date/Time</b>	<b>Analysis(*)</b>
L2047744-02I	Glass 250ml/8oz unpreserved	A	NA		5.4	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30)
L2047744-03A	Vial HCl preserved	A	NA		5.4	Y	Absent		NYTCL-8260(14)
L2047744-03B	Vial HCl preserved	A	NA		5.4	Y	Absent		NYTCL-8260(14)
L2047744-04A	Plastic 250ml unpreserved	A	NA		5.4	Y	Absent		A2-NY-537-ISOTOPE(14)

**Container Comments**

L2047744-01G Labeled as SB17\_0-2

**Project Name:** 266-270 WEST 96TH ST  
**Project Number:** 170432001

Serial\_No:11132015:29  
**Lab Number:** L2047744  
**Report Date:** 11/13/20

### PFAS PARAMETER SUMMARY

Parameter	Acronym	CAS Number
<b>PERFLUOROALKYL CARBOXYLIC ACIDS (PFCAs)</b>		
Perfluorooctadecanoic Acid	PFODA	16517-11-6
Perfluorohexadecanoic Acid	PFHxDA	67905-19-5
Perfluorotetradecanoic Acid	PFTA	376-06-7
Perfluorotridecanoic Acid	PFTrDA	72629-94-8
Perfluorododecanoic Acid	PFDoA	307-55-1
Perfluoroundecanoic Acid	PFUnA	2058-94-8
Perfluorodecanoic Acid	PFDA	335-76-2
Perfluorononanoic Acid	PFNA	375-95-1
Perfluorooctanoic Acid	PFOA	335-67-1
Perfluoroheptanoic Acid	PFHpA	375-85-9
Perfluorohexanoic Acid	PFHxA	307-24-4
Perfluoropentanoic Acid	PFPeA	2706-90-3
Perfluorobutanoic Acid	PFBA	375-22-4
<b>PERFLUOROALKYL SULFONIC ACIDS (PFSAs)</b>		
Perfluorododecanesulfonic Acid	PFDoDS	79780-39-5
Perfluorodecanesulfonic Acid	PFDS	335-77-3
Perfluorononanesulfonic Acid	PFNS	68259-12-1
Perfluorooctanesulfonic Acid	PFOS	1763-23-1
Perfluoroheptanesulfonic Acid	PFHpS	375-92-8
Perfluorohexanesulfonic Acid	PFHxS	355-46-4
Perfluoropentanesulfonic Acid	PFPeS	2706-91-4
Perfluorobutanesulfonic Acid	PFBS	375-73-5
<b>FLUOROTELOMERS</b>		
1H,1H,2H,2H-Perfluorododecanesulfonic Acid	10:2FTS	120226-60-0
1H,1H,2H,2H-Perfluorodecanesulfonic Acid	8:2FTS	39108-34-4
1H,1H,2H,2H-Perfluorooctanesulfonic Acid	6:2FTS	27619-97-2
1H,1H,2H,2H-Perfluorohexanesulfonic Acid	4:2FTS	757124-72-4
<b>PERFLUOROALKANE SULFONAMIDES (FASAs)</b>		
Perfluorooctanesulfonamide	FOSA	754-91-6
N-Ethyl Perfluorooctane Sulfonamide	NEtFOSA	4151-50-2
N-Methyl Perfluorooctane Sulfonamide	NMeFOSA	31506-32-8
<b>PERFLUOROALKANE SULFONYL SUBSTANCES</b>		
N-Ethyl Perfluorooctanesulfonamido Ethanol	NEtFOSE	1691-99-2
N-Methyl Perfluorooctanesulfonamido Ethanol	NMeFOSE	24448-09-7
N-Ethyl Perfluorooctanesulfonamidoacetic Acid	NEtFOSAA	2991-50-6
N-Methyl Perfluorooctanesulfonamidoacetic Acid	NMeFOSAA	2355-31-9
<b>PER- and POLYFLUOROALKYL ETHER CARBOXYLIC ACIDS</b>		
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid	HFPO-DA	13252-13-6
4,8-Dioxa-3h-Perfluorononanoic Acid	ADONA	919005-14-4
<b>CHLORO-PERFLUOROALKYL SULFONIC ACIDS</b>		
11-Chloroeicosafuoro-3-Oxaundecane-1-Sulfonic Acid	11Cl-PF3OUdS	763051-92-9
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid	9Cl-PF3ONS	756426-58-1
<b>PERFLUOROETHER SULFONIC ACIDS (PFESAs)</b>		
Perfluoro(2-Ethoxyethane)Sulfonic Acid	PFEEESA	113507-82-7
<b>PERFLUOROETHER/POLYETHER CARBOXYLIC ACIDS (PFPCAs)</b>		
Perfluoro-3-Methoxypropanoic Acid	PFMPA	377-73-1
Perfluoro-4-Methoxybutanoic Acid	PFMBA	863090-89-5
Nonafluoro-3,6-Dioxaheptanoic Acid	NFDHA	151772-58-6

**Project Name:** 266-270 WEST 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047744  
**Report Date:** 11/13/20

## GLOSSARY

### Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)  Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers



**Project Name:** 266-270 WEST 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047744  
**Report Date:** 11/13/20

#### Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

#### Terms

**Analytical Method:** Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

**Difference:** With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

**Final pH:** As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

**Frozen Date/Time:** With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

**Initial pH:** As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

**PAH Total:** With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

**PFAS Total:** With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

**Total:** With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

#### Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where

Report Format: DU Report with 'J' Qualifiers



**Project Name:** 266-270 WEST 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047744  
**Report Date:** 11/13/20

**Data Qualifiers**

the identification is based on a mass spectral library search.

- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.



**Project Name:** 266-270 WEST 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047744  
**Report Date:** 11/13/20

## REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.
- 107 Alpha Analytical - In-house calculation method.
- 121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.
- 134 Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry (LC/MS/MS) using Isotope Dilution. Alpha SOP 23528.

## LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



## Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

### Westborough Facility

**EPA 624/624.1:** m/p-xylene, o-xylene, Naphthalene

**EPA 8260C:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.

**EPA 8270D:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.

**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO<sub>2</sub>, NO<sub>3</sub>.

### Mansfield Facility

**SM 2540D:** TSS

**EPA 8082A:** NPW: PCB: 1, 5, 31, 87, 101, 110, 141, 151, 153, 180, 183, 187.

**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

**EPA TO-12** Non-methane organics

**EPA 3C** Fixed gases

**Biological Tissue Matrix:** EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

### Westborough Facility:

#### Drinking Water

**EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,**

**EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**

**EPA 332:** Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.

**Microbiology:** **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.**

#### Non-Potable Water

**SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:** Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.

**EPA 624.1:** Volatile Halocarbons & Aromatics,

**EPA 608.3:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

**EPA 625.1:** SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.

**Microbiology:** **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.**

### Mansfield Facility:

#### Drinking Water

**EPA 200.7:** Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.

**EPA 522.**

#### Non-Potable Water

**EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.


**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.

**EPA 245.1** Hg.

**SM2340B**

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

Sou - RI

 <p><b>NEW YORK CHAIN OF CUSTODY</b></p> <p>Westborough, MA 01581 8 Walkup Dr. TEL: 508-898-9220 FAX: 508-898-9193</p> <p>Mansfield, MA 02048 320 Forbes Blvd TEL: 508-822-9300 FAX: 508-822-3288</p>	<p><b>Service Centers</b></p> <p>Mahwah, NJ 07430: 35 Whitney Rd, Suite 5 Albany, NY 12205: 14 Walker Way Tonawanda, NY 14150: 275 Cooper Ave, Suite 105</p>	<p>Page</p> <p>1 of 1</p>	<p>Date Rec'd in Lab</p> <p>10/31/20</p>	<p>ALPHA Job #</p> <p>L 2047744</p>																																																																							
	<p><b>Project Information</b></p> <p>Project Name: 266-270 West 96th St Project Location: New York, NY Project # 170432001 (Use Project name as Project #) <input type="checkbox"/></p> <p>Project Manager: KIMBERLY SEMON ALPHAQuote #: Turn-Around Time Standard <input checked="" type="checkbox"/> Due Date: Rush (only if pre approved) <input type="checkbox"/> # of Days:</p>	<p><b>Deliverables</b></p> <p><input type="checkbox"/> ASP-A <input checked="" type="checkbox"/> ASP-B <input type="checkbox"/> EQUIS (1 File) <input type="checkbox"/> EQUIS (4 File) <input type="checkbox"/> Other</p>	<p><b>Billing Information</b></p> <p><input type="checkbox"/> Same as Client Info PO #</p>																																																																								
<p><b>Client Information</b></p> <p>Client: LANGAN, DPC Address: Phone: Fax: Email: ksemon@langan.com</p>	<p><b>Regulatory Requirement</b></p> <p><input type="checkbox"/> NY TOGS <input checked="" type="checkbox"/> NY Part 375 <input type="checkbox"/> AWQ Standards <input type="checkbox"/> NY CP-51 <input type="checkbox"/> NY Restricted Use <input checked="" type="checkbox"/> Other <input type="checkbox"/> NY Unrestricted Use <input type="checkbox"/> NYC Sewer Discharge</p> <p>TCL</p>	<p><b>Disposal Site Information</b></p> <p>Please identify below location of applicable disposal facilities. Disposal Facility: <input type="checkbox"/> NJ <input type="checkbox"/> NY <input type="checkbox"/> Other:</p>																																																																									
<p>These samples have been previously analyzed by Alpha <input type="checkbox"/></p> <p><b>Other project specific requirements/comments:</b></p> <p>Please email jyanowitz@langan.com</p> <p><b>Please specify Metals or TAL.</b></p>	<p><b>ANALYSIS</b></p> <p>TCL Part 375 VOCs TCL Part 375 SVCS Part 375 PCMs + Restricted TAL Part 375 Metals Cyanides hex/ Trichloroethane PFAS, <del>pesticides</del></p>	<p><b>Sample Filtration</b></p> <p><input type="checkbox"/> Done <input type="checkbox"/> Lab to do <b>Preservation</b> <input type="checkbox"/> Lab to do  (Please Specify below)</p>																																																																									
<table border="1"> <thead> <tr> <th rowspan="2">ALPHA Lab ID (Lab Use Only)</th> <th rowspan="2">Sample ID</th> <th colspan="2">Collection</th> <th rowspan="2">Sample Matrix</th> <th rowspan="2">Sampler's Initials</th> <th colspan="6">ANALYSIS</th> <th rowspan="2">Sample Specific Comments</th> </tr> <tr> <th>Date</th> <th>Time</th> <th>TCL Part 375 VOCs</th> <th>TCL Part 375 SVCS</th> <th>Part 375 PCMs + Restricted</th> <th>TAL Part 375 Metals</th> <th>Cyanides hex/Trichloroethane</th> <th>PFAS, <del>pesticides</del></th> </tr> </thead> <tbody> <tr> <td>47744-01</td> <td>SB16-0-2</td> <td>10/30</td> <td>1236</td> <td>S</td> <td>MA</td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> <td></td> </tr> <tr> <td>-02</td> <td>SB16-2-4.5</td> <td>↓</td> <td>1300</td> <td>S</td> <td>↓</td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> <td></td> </tr> <tr> <td>-03</td> <td>SBFB02-10302020</td> <td>↓</td> <td>1400</td> <td>↓</td> <td>↓</td> <td>✓</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>-04</td> <td>SBFB02-10302020</td> <td>↓</td> <td>1430</td> <td>↓</td> <td>↓</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>✓</td> <td></td> </tr> </tbody> </table>	ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials	ANALYSIS						Sample Specific Comments	Date	Time	TCL Part 375 VOCs	TCL Part 375 SVCS	Part 375 PCMs + Restricted	TAL Part 375 Metals	Cyanides hex/Trichloroethane	PFAS, <del>pesticides</del>	47744-01	SB16-0-2	10/30	1236	S	MA	✓	✓	✓	✓	✓	✓		-02	SB16-2-4.5	↓	1300	S	↓	✓	✓	✓	✓	✓	✓		-03	SBFB02-10302020	↓	1400	↓	↓	✓							-04	SBFB02-10302020	↓	1430	↓	↓						✓		<p>Westboro: Certification No: MA935 Mansfield: Certification No: MA015</p> <p>Container Type</p> <p>Preservative</p>	<p>Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS &amp; CONDITIONS. (See reverse side.)</p>
ALPHA Lab ID (Lab Use Only)			Sample ID	Collection			Sample Matrix	Sampler's Initials	ANALYSIS						Sample Specific Comments																																																												
	Date	Time		TCL Part 375 VOCs	TCL Part 375 SVCS	Part 375 PCMs + Restricted			TAL Part 375 Metals	Cyanides hex/Trichloroethane	PFAS, <del>pesticides</del>																																																																
47744-01	SB16-0-2	10/30	1236	S	MA	✓	✓	✓	✓	✓	✓																																																																
-02	SB16-2-4.5	↓	1300	S	↓	✓	✓	✓	✓	✓	✓																																																																
-03	SBFB02-10302020	↓	1400	↓	↓	✓																																																																					
-04	SBFB02-10302020	↓	1430	↓	↓						✓																																																																
<p>Preservative Code: A = None B = HCl C = HNO<sub>3</sub> D = H<sub>2</sub>SO<sub>4</sub> E = NaOH F = MeOH G = NaHSO<sub>4</sub> H = Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub> K/E = Zn Ac/NaOH O = Other</p> <p>Container Code P = Plastic A = Amber Glass V = Vial G = Glass B = Bacteria Cup C = Cube O = Other E = Encore D = BOD Bottle</p>	<table border="1"> <thead> <tr> <th>Relinquished By:</th> <th>Date/Time</th> <th>Received By:</th> <th>Date/Time</th> </tr> </thead> <tbody> <tr> <td><i>[Signature]</i></td> <td>10/30/20 11:00</td> <td><i>[Signature]</i></td> <td>10/30/20 19:00</td> </tr> <tr> <td><i>[Signature]</i></td> <td>10/30/20 20:50</td> <td><i>[Signature]</i></td> <td>10/30/20 21:00</td> </tr> <tr> <td><i>[Signature]</i></td> <td>10/31/20 00:30</td> <td><i>[Signature]</i></td> <td>10/31/20 00:30</td> </tr> </tbody> </table>	Relinquished By:	Date/Time	Received By:	Date/Time	<i>[Signature]</i>	10/30/20 11:00	<i>[Signature]</i>	10/30/20 19:00	<i>[Signature]</i>	10/30/20 20:50	<i>[Signature]</i>	10/30/20 21:00	<i>[Signature]</i>	10/31/20 00:30	<i>[Signature]</i>	10/31/20 00:30																																																										
Relinquished By:	Date/Time	Received By:	Date/Time																																																																								
<i>[Signature]</i>	10/30/20 11:00	<i>[Signature]</i>	10/30/20 19:00																																																																								
<i>[Signature]</i>	10/30/20 20:50	<i>[Signature]</i>	10/30/20 21:00																																																																								
<i>[Signature]</i>	10/31/20 00:30	<i>[Signature]</i>	10/31/20 00:30																																																																								

Total Bottles



## ANALYTICAL REPORT

Lab Number:	L2047759
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Kimberly Semon
Phone:	(212) 479-5486
Project Name:	266-270 W 96TH ST.
Project Number:	170432001
Report Date:	11/05/20

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA030), NH NELAP (2062), CT (PH-0141), DoD (L2474), FL (E87814), IL (200081), LA (85084), ME (MA00030), MD (350), NJ (MA015), NY (11627), NC (685), OH (CL106), PA (68-02089), RI (LAO00299), TX (T104704419), VT (VT-0015), VA (460194), WA (C954), US Army Corps of Engineers, USDA (Permit #P330-17-00150), USFWS (Permit #206964).

---

320 Forbes Boulevard, Mansfield, MA 02048-1806  
508-822-9300 (Fax) 508-822-3288 800-624-9220 - [www.alphalab.com](http://www.alphalab.com)



**Project Name:** 266-270 W 96TH ST.  
**Project Number:** 170432001

**Lab Number:** L2047759  
**Report Date:** 11/05/20

<b>Alpha Sample ID</b>	<b>Client ID</b>	<b>Matrix</b>	<b>Sample Location</b>	<b>Collection Date/Time</b>	<b>Receive Date</b>
L2047759-01	SSV10_10302020	SOIL_VAPOR	MANHATTAN, NY	10/30/20 18:43	10/30/20
L2047759-02	IA10_10302020	AIR	MANHATTAN, NY	10/30/20 18:44	10/30/20
L2047759-03	SSV11_10302020	SOIL_VAPOR	MANHATTAN, NY	10/30/20 18:46	10/30/20
L2047759-04	IA11_10302020	AIR	MANHATTAN, NY	10/30/20 18:47	10/30/20
L2047759-05	SSV12_10302020	SOIL_VAPOR	MANHATTAN, NY	10/30/20 18:50	10/30/20
L2047759-06	IA12_10302020	AIR	MANHATTAN, NY	10/30/20 18:50	10/30/20

**Project Name:** 266-270 W 96TH ST.  
**Project Number:** 170432001

**Lab Number:** L2047759  
**Report Date:** 11/05/20

### Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

**HOLD POLICY** - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

---

**Project Name:** 266-270 W 96TH ST.  
**Project Number:** 170432001

**Lab Number:** L2047759  
**Report Date:** 11/05/20

### Case Narrative (continued)

#### Volatile Organics in Air

Canisters were released from the laboratory on October 29, 2020. The canister certification results are provided as an addendum.

L2047759-03: The sample has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

L2047759-05: The sample has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

The WG1429911-5 Laboratory Duplicate RPD for 4-ethyltoluene (34%), performed on L2047759-02, is above the acceptance criteria; however, the sample and duplicate results are less than five times the reporting limit. Therefore, the RPD is valid.

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. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:  Christopher J. Anderson

Title: Technical Director/Representative

Date: 11/05/20

**AIR**



**Project Name:** 266-270 W 96TH ST.  
**Project Number:** 170432001

**Lab Number:** L2047759  
**Report Date:** 11/05/20

### SAMPLE RESULTS

Lab ID: L2047759-01  
 Client ID: SSV10\_10302020  
 Sample Location: MANHATTAN, NY

Date Collected: 10/30/20 18:43  
 Date Received: 10/30/20  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil\_Vapor  
 Analytical Method: 48,TO-15  
 Analytical Date: 11/04/20 00:10  
 Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
<b>Volatile Organics in Air - Mansfield Lab</b>								
Dichlorodifluoromethane	0.463	0.200	--	2.29	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	0.848	0.200	--	1.88	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	15.8	1.00	--	37.5	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	1.24	0.500	--	3.05	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	0.410	0.200	--	1.28	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	1.33	0.500	--	3.92	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1



**Project Name:** 266-270 W 96TH ST.  
**Project Number:** 170432001

**Lab Number:** L2047759  
**Report Date:** 11/05/20

**SAMPLE RESULTS**

Lab ID: L2047759-01  
 Client ID: SSV10\_10302020  
 Sample Location: MANHATTAN, NY

Date Collected: 10/30/20 18:43  
 Date Received: 10/30/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
<b>Volatile Organics in Air - Mansfield Lab</b>								
Ethyl Acetate	1.93	0.500	--	6.96	1.80	--		1
Chloroform	12.3	0.200	--	60.1	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	5.07	0.200	--	17.9	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	3.07	0.200	--	9.81	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	1.83	0.200	--	6.30	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Xylenes, Total	14.9	0.200	--	64.7	0.869	--		1
Bromodichloromethane	0.545	0.200	--	3.65	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	3.24	0.200	--	15.1	0.934	--		1
Heptane	2.79	0.200	--	11.4	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	0.740	0.500	--	3.03	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	8.67	0.200	--	32.7	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	3.11	0.200	--	21.1	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1



**Project Name:** 266-270 W 96TH ST.  
**Project Number:** 170432001

**Lab Number:** L2047759  
**Report Date:** 11/05/20

### SAMPLE RESULTS

Lab ID: L2047759-01  
 Client ID: SSV10\_10302020  
 Sample Location: MANHATTAN, NY

Date Collected: 10/30/20 18:43  
 Date Received: 10/30/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Ethylbenzene	2.17	0.200	--	9.43	0.869	--		1
p/m-Xylene	11.1	0.400	--	48.2	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	0.200	0.200	--	0.852	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	3.84	0.200	--	16.7	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	0.415	0.200	--	2.04	0.983	--		1
1,2,4-Trimethylbenzene	1.75	0.200	--	8.60	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	86		60-140
Bromochloromethane	83		60-140
chlorobenzene-d5	97		60-140



**Project Name:** 266-270 W 96TH ST.  
**Project Number:** 170432001

**Lab Number:** L2047759  
**Report Date:** 11/05/20

**SAMPLE RESULTS**

Lab ID: L2047759-02  
 Client ID: IA10\_10302020  
 Sample Location: MANHATTAN, NY

Date Collected: 10/30/20 18:44  
 Date Received: 10/30/20  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Air  
 Analytical Method: 48,TO-15  
 Analytical Date: 11/03/20 21:17  
 Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
<b>Volatile Organics in Air - Mansfield Lab</b>								
Dichlorodifluoromethane	0.432	0.200	--	2.14	0.989	--		1
Chloromethane	0.408	0.200	--	0.843	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	0.722	0.200	--	1.60	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	10.7	5.00	--	20.2	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	0.202	0.200	--	1.14	1.12	--		1
Isopropanol	0.605	0.500	--	1.49	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	1.71	0.200	--	8.35	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1



**Project Name:** 266-270 W 96TH ST.  
**Project Number:** 170432001

**Lab Number:** L2047759  
**Report Date:** 11/05/20

**SAMPLE RESULTS**

Lab ID: L2047759-02  
 Client ID: IA10\_10302020  
 Sample Location: MANHATTAN, NY

Date Collected: 10/30/20 18:44  
 Date Received: 10/30/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
<b>Volatile Organics in Air - Mansfield Lab</b>								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	2.22	0.200	--	7.82	0.705	--		1
Benzene	1.94	0.200	--	6.20	0.639	--		1
Cyclohexane	0.984	0.200	--	3.39	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	1.66	0.200	--	7.75	0.934	--		1
Heptane	1.12	0.200	--	4.59	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Xylenes, Total	5.16	0.200	--	22.4	0.869	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	4.42	0.200	--	16.7	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	0.954	0.200	--	4.14	0.869	--		1
p/m-Xylene	3.68	0.400	--	16.0	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	1.49	0.200	--	6.47	0.869	--		1
4-Ethyltoluene	0.243	0.200	--	1.19	0.983	--		1



**Project Name:** 266-270 W 96TH ST.**Lab Number:** L2047759**Project Number:** 170432001**Report Date:** 11/05/20**SAMPLE RESULTS**

Lab ID: L2047759-02  
 Client ID: IA10\_10302020  
 Sample Location: MANHATTAN, NY

Date Collected: 10/30/20 18:44  
 Date Received: 10/30/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
<b>Volatile Organics in Air - Mansfield Lab</b>								
1,3,5-Trimethylbenzene	0.527	0.200	--	2.59	0.983	--		1
1,2,4-Trimethylbenzene	1.97	0.200	--	9.68	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	88		60-140
Bromochloromethane	84		60-140
chlorobenzene-d5	88		60-140



**Project Name:** 266-270 W 96TH ST.  
**Project Number:** 170432001

**Lab Number:** L2047759  
**Report Date:** 11/05/20

**SAMPLE RESULTS**

Lab ID: L2047759-02  
 Client ID: IA10\_10302020  
 Sample Location: MANHATTAN, NY

Date Collected: 10/30/20 18:44  
 Date Received: 10/30/20  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Air  
 Analytical Method: 48,TO-15-SIM  
 Analytical Date: 11/03/20 21:17  
 Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
<b>Volatile Organics in Air by SIM - Mansfield Lab</b>								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.077	0.020	--	0.484	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.145	0.020	--	0.983	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	94		60-140
bromochloromethane	93		60-140
chlorobenzene-d5	97		60-140



**Project Name:** 266-270 W 96TH ST.  
**Project Number:** 170432001

**Lab Number:** L2047759  
**Report Date:** 11/05/20

**SAMPLE RESULTS**

Lab ID: L2047759-03 D  
 Client ID: SSV11\_10302020  
 Sample Location: MANHATTAN, NY

Date Collected: 10/30/20 18:46  
 Date Received: 10/30/20  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil\_Vapor  
 Analytical Method: 48,TO-15  
 Analytical Date: 11/04/20 00:49  
 Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
<b>Volatile Organics in Air - Mansfield Lab</b>								
Dichlorodifluoromethane	ND	1.00	--	ND	4.94	--		5
Chloromethane	ND	1.00	--	ND	2.07	--		5
Freon-114	ND	1.00	--	ND	6.99	--		5
Vinyl chloride	ND	1.00	--	ND	2.56	--		5
1,3-Butadiene	1.37	1.00	--	3.03	2.21	--		5
Bromomethane	ND	1.00	--	ND	3.88	--		5
Chloroethane	ND	1.00	--	ND	2.64	--		5
Ethanol	30.4	25.0	--	57.3	47.1	--		5
Vinyl bromide	ND	1.00	--	ND	4.37	--		5
Acetone	186	5.00	--	442	11.9	--		5
Trichlorofluoromethane	ND	1.00	--	ND	5.62	--		5
Isopropanol	30.8	2.50	--	75.7	6.15	--		5
1,1-Dichloroethene	ND	1.00	--	ND	3.96	--		5
Tertiary butyl Alcohol	ND	2.50	--	ND	7.58	--		5
Methylene chloride	ND	2.50	--	ND	8.69	--		5
3-Chloropropene	ND	1.00	--	ND	3.13	--		5
Carbon disulfide	6.00	1.00	--	18.7	3.11	--		5
Freon-113	ND	1.00	--	ND	7.66	--		5
trans-1,2-Dichloroethene	ND	1.00	--	ND	3.96	--		5
1,1-Dichloroethane	ND	1.00	--	ND	4.05	--		5
Methyl tert butyl ether	ND	1.00	--	ND	3.61	--		5
2-Butanone	51.3	2.50	--	151	7.37	--		5
cis-1,2-Dichloroethene	ND	1.00	--	ND	3.96	--		5





**Project Name:** 266-270 W 96TH ST.  
**Project Number:** 170432001

**Lab Number:** L2047759  
**Report Date:** 11/05/20

**SAMPLE RESULTS**

Lab ID: L2047759-03 D  
 Client ID: SSV11\_10302020  
 Sample Location: MANHATTAN, NY

Date Collected: 10/30/20 18:46  
 Date Received: 10/30/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
<b>Volatile Organics in Air - Mansfield Lab</b>								
Ethyl Acetate	2.86	2.50	--	10.3	9.01	--		5
Chloroform	ND	1.00	--	ND	4.88	--		5
Tetrahydrofuran	ND	2.50	--	ND	7.37	--		5
1,2-Dichloroethane	ND	1.00	--	ND	4.05	--		5
n-Hexane	4.22	1.00	--	14.9	3.52	--		5
1,1,1-Trichloroethane	ND	1.00	--	ND	5.46	--		5
Benzene	74.3	1.00	--	237	3.19	--		5
Carbon tetrachloride	ND	1.00	--	ND	6.29	--		5
Cyclohexane	2.32	1.00	--	7.99	3.44	--		5
1,2-Dichloropropane	ND	1.00	--	ND	4.62	--		5
Bromodichloromethane	ND	1.00	--	ND	6.70	--		5
Xylenes, Total	301	1.00	--	1310	4.34	--		5
1,4-Dioxane	ND	1.00	--	ND	3.60	--		5
Trichloroethene	ND	1.00	--	ND	5.37	--		5
2,2,4-Trimethylpentane	ND	1.00	--	ND	4.67	--		5
Heptane	4.43	1.00	--	18.2	4.10	--		5
cis-1,3-Dichloropropene	ND	1.00	--	ND	4.54	--		5
4-Methyl-2-pentanone	12.0	2.50	--	49.2	10.2	--		5
trans-1,3-Dichloropropene	ND	1.00	--	ND	4.54	--		5
1,1,2-Trichloroethane	ND	1.00	--	ND	5.46	--		5
Toluene	284	1.00	--	1070	3.77	--		5
2-Hexanone	15.4	1.00	--	63.1	4.10	--		5
Dibromochloromethane	ND	1.00	--	ND	8.52	--		5
1,2-Dibromoethane	ND	1.00	--	ND	7.69	--		5
Tetrachloroethene	1.31	1.00	--	8.88	6.78	--		5
Chlorobenzene	ND	1.00	--	ND	4.61	--		5



**Project Name:** 266-270 W 96TH ST.  
**Project Number:** 170432001

**Lab Number:** L2047759  
**Report Date:** 11/05/20

### SAMPLE RESULTS

Lab ID: L2047759-03 D  
 Client ID: SSV11\_10302020  
 Sample Location: MANHATTAN, NY

Date Collected: 10/30/20 18:46  
 Date Received: 10/30/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Ethylbenzene	303	1.00	--	1320	4.34	--		5
p/m-Xylene	206	2.00	--	895	8.69	--		5
Bromoform	ND	1.00	--	ND	10.3	--		5
Styrene	2.08	1.00	--	8.86	4.26	--		5
1,1,2,2-Tetrachloroethane	ND	1.00	--	ND	6.87	--		5
o-Xylene	94.1	1.00	--	409	4.34	--		5
4-Ethyltoluene	27.7	1.00	--	136	4.92	--		5
1,3,5-Trimethylbenzene	21.0	1.00	--	103	4.92	--		5
1,2,4-Trimethylbenzene	39.7	1.00	--	195	4.92	--		5
Benzyl chloride	ND	1.00	--	ND	5.18	--		5
1,3-Dichlorobenzene	ND	1.00	--	ND	6.01	--		5
1,4-Dichlorobenzene	ND	1.00	--	ND	6.01	--		5
1,2-Dichlorobenzene	ND	1.00	--	ND	6.01	--		5
1,2,4-Trichlorobenzene	ND	1.00	--	ND	7.42	--		5
Hexachlorobutadiene	ND	1.00	--	ND	10.7	--		5

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	89		60-140
Bromochloromethane	89		60-140
chlorobenzene-d5	94		60-140



**Project Name:** 266-270 W 96TH ST.  
**Project Number:** 170432001

**Lab Number:** L2047759  
**Report Date:** 11/05/20

### SAMPLE RESULTS

Lab ID: L2047759-04  
 Client ID: IA11\_10302020  
 Sample Location: MANHATTAN, NY

Date Collected: 10/30/20 18:47  
 Date Received: 10/30/20  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Air  
 Analytical Method: 48,TO-15  
 Analytical Date: 11/03/20 22:44  
 Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
<b>Volatile Organics in Air - Mansfield Lab</b>								
Dichlorodifluoromethane	0.424	0.200	--	2.10	0.989	--		1
Chloromethane	0.390	0.200	--	0.805	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	0.582	0.200	--	1.29	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	12.4	5.00	--	23.4	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	0.206	0.200	--	1.16	1.12	--		1
Isopropanol	0.705	0.500	--	1.73	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	1.20	0.200	--	5.86	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1



**Project Name:** 266-270 W 96TH ST.  
**Project Number:** 170432001

**Lab Number:** L2047759  
**Report Date:** 11/05/20

**SAMPLE RESULTS**

Lab ID: L2047759-04  
 Client ID: IA11\_10302020  
 Sample Location: MANHATTAN, NY

Date Collected: 10/30/20 18:47  
 Date Received: 10/30/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
<b>Volatile Organics in Air - Mansfield Lab</b>								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	1.96	0.200	--	6.91	0.705	--		1
Benzene	1.75	0.200	--	5.59	0.639	--		1
Cyclohexane	0.844	0.200	--	2.91	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	1.44	0.200	--	6.73	0.934	--		1
Heptane	0.964	0.200	--	3.95	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
Xylenes, Total	4.52	0.200	--	19.6	0.869	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	3.92	0.200	--	14.8	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	0.854	0.200	--	3.71	0.869	--		1
p/m-Xylene	3.21	0.400	--	13.9	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	1.31	0.200	--	5.69	0.869	--		1
4-Ethyltoluene	0.298	0.200	--	1.47	0.983	--		1



**Project Name:** 266-270 W 96TH ST.**Lab Number:** L2047759**Project Number:** 170432001**Report Date:** 11/05/20**SAMPLE RESULTS**

Lab ID: L2047759-04  
 Client ID: IA11\_10302020  
 Sample Location: MANHATTAN, NY

Date Collected: 10/30/20 18:47  
 Date Received: 10/30/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
<b>Volatile Organics in Air - Mansfield Lab</b>								
1,3,5-Trimethylbenzene	0.416	0.200	--	2.05	0.983	--		1
1,2,4-Trimethylbenzene	1.70	0.200	--	8.36	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	79		60-140
Bromochloromethane	74		60-140
chlorobenzene-d5	78		60-140



**Project Name:** 266-270 W 96TH ST.  
**Project Number:** 170432001

**Lab Number:** L2047759  
**Report Date:** 11/05/20

**SAMPLE RESULTS**

Lab ID: L2047759-04  
 Client ID: IA11\_10302020  
 Sample Location: MANHATTAN, NY

Date Collected: 10/30/20 18:47  
 Date Received: 10/30/20  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Air  
 Analytical Method: 48,TO-15-SIM  
 Analytical Date: 11/03/20 22:44  
 Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
<b>Volatile Organics in Air by SIM - Mansfield Lab</b>								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.073	0.020	--	0.459	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.109	0.020	--	0.739	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	85		60-140
bromochloromethane	83		60-140
chlorobenzene-d5	87		60-140



**Project Name:** 266-270 W 96TH ST.  
**Project Number:** 170432001

**Lab Number:** L2047759  
**Report Date:** 11/05/20

### SAMPLE RESULTS

Lab ID: L2047759-05 D  
 Client ID: SSV12\_10302020  
 Sample Location: MANHATTAN, NY

Date Collected: 10/30/20 18:50  
 Date Received: 10/30/20  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil\_Vapor  
 Analytical Method: 48,TO-15  
 Analytical Date: 11/04/20 01:30  
 Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
<b>Volatile Organics in Air - Mansfield Lab</b>								
Dichlorodifluoromethane	ND	1.67	--	ND	8.26	--		8.333
Chloromethane	ND	1.67	--	ND	3.45	--		8.333
Freon-114	ND	1.67	--	ND	11.7	--		8.333
Vinyl chloride	ND	1.67	--	ND	4.27	--		8.333
1,3-Butadiene	ND	1.67	--	ND	3.69	--		8.333
Bromomethane	ND	1.67	--	ND	6.48	--		8.333
Chloroethane	ND	1.67	--	ND	4.41	--		8.333
Ethanol	101	41.7	--	190	78.6	--		8.333
Vinyl bromide	ND	1.67	--	ND	7.30	--		8.333
Acetone	87.2	8.33	--	207	19.8	--		8.333
Trichlorofluoromethane	ND	1.67	--	ND	9.38	--		8.333
Isopropanol	41.0	4.17	--	101	10.3	--		8.333
1,1-Dichloroethene	ND	1.67	--	ND	6.62	--		8.333
Tertiary butyl Alcohol	ND	4.17	--	ND	12.6	--		8.333
Methylene chloride	ND	4.17	--	ND	14.5	--		8.333
3-Chloropropene	ND	1.67	--	ND	5.23	--		8.333
Carbon disulfide	6.33	1.67	--	19.7	5.20	--		8.333
Freon-113	ND	1.67	--	ND	12.8	--		8.333
trans-1,2-Dichloroethene	ND	1.67	--	ND	6.62	--		8.333
1,1-Dichloroethane	ND	1.67	--	ND	6.76	--		8.333
Methyl tert butyl ether	ND	1.67	--	ND	6.02	--		8.333
2-Butanone	18.4	4.17	--	54.3	12.3	--		8.333
cis-1,2-Dichloroethene	ND	1.67	--	ND	6.62	--		8.333



**Project Name:** 266-270 W 96TH ST.  
**Project Number:** 170432001

**Lab Number:** L2047759  
**Report Date:** 11/05/20

**SAMPLE RESULTS**

Lab ID: L2047759-05 D  
 Client ID: SSV12\_10302020  
 Sample Location: MANHATTAN, NY

Date Collected: 10/30/20 18:50  
 Date Received: 10/30/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
<b>Volatile Organics in Air - Mansfield Lab</b>								
Ethyl Acetate	ND	4.17	--	ND	15.0	--		8.333
Chloroform	42.4	1.67	--	207	8.16	--		8.333
Tetrahydrofuran	ND	4.17	--	ND	12.3	--		8.333
1,2-Dichloroethane	ND	1.67	--	ND	6.76	--		8.333
n-Hexane	1.71	1.67	--	6.03	5.89	--		8.333
1,1,1-Trichloroethane	ND	1.67	--	ND	9.11	--		8.333
Benzene	33.9	1.67	--	108	5.34	--		8.333
Carbon tetrachloride	ND	1.67	--	ND	10.5	--		8.333
Cyclohexane	ND	1.67	--	ND	5.75	--		8.333
1,2-Dichloropropane	ND	1.67	--	ND	7.72	--		8.333
Xylenes, Total	411	1.67	--	1790	7.25	--		8.333
Bromodichloromethane	ND	1.67	--	ND	11.2	--		8.333
1,4-Dioxane	ND	1.67	--	ND	6.02	--		8.333
Trichloroethene	ND	1.67	--	ND	8.97	--		8.333
2,2,4-Trimethylpentane	ND	1.67	--	ND	7.80	--		8.333
Heptane	3.42	1.67	--	14.0	6.84	--		8.333
cis-1,3-Dichloropropene	ND	1.67	--	ND	7.58	--		8.333
4-Methyl-2-pentanone	15.9	4.17	--	65.2	17.1	--		8.333
trans-1,3-Dichloropropene	ND	1.67	--	ND	7.58	--		8.333
1,1,2-Trichloroethane	ND	1.67	--	ND	9.11	--		8.333
Toluene	407	1.67	--	1530	6.29	--		8.333
2-Hexanone	ND	1.67	--	ND	6.84	--		8.333
Dibromochloromethane	ND	1.67	--	ND	14.2	--		8.333
1,2-Dibromoethane	ND	1.67	--	ND	12.8	--		8.333
Tetrachloroethene	5.75	1.67	--	39.0	11.3	--		8.333
Chlorobenzene	ND	1.67	--	ND	7.69	--		8.333





**Project Name:** 266-270 W 96TH ST.**Lab Number:** L2047759**Project Number:** 170432001**Report Date:** 11/05/20**SAMPLE RESULTS**

Lab ID: L2047759-05 D

Date Collected: 10/30/20 18:50

Client ID: SSV12\_10302020

Date Received: 10/30/20

Sample Location: MANHATTAN, NY

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Ethylbenzene	465	1.67	--	2020	7.25	--		8.333
p/m-Xylene	293	3.33	--	1270	14.5	--		8.333
Bromoform	ND	1.67	--	ND	17.3	--		8.333
Styrene	ND	1.67	--	ND	7.11	--		8.333
1,1,2,2-Tetrachloroethane	ND	1.67	--	ND	11.5	--		8.333
o-Xylene	118	1.67	--	513	7.25	--		8.333
4-Ethyltoluene	18.4	1.67	--	90.5	8.21	--		8.333
1,3,5-Trimethylbenzene	12.9	1.67	--	63.4	8.21	--		8.333
1,2,4-Trimethylbenzene	20.2	1.67	--	99.3	8.21	--		8.333
Benzyl chloride	ND	1.67	--	ND	8.65	--		8.333
1,3-Dichlorobenzene	ND	1.67	--	ND	10.0	--		8.333
1,4-Dichlorobenzene	ND	1.67	--	ND	10.0	--		8.333
1,2-Dichlorobenzene	ND	1.67	--	ND	10.0	--		8.333
1,2,4-Trichlorobenzene	ND	1.67	--	ND	12.4	--		8.333
Hexachlorobutadiene	ND	1.67	--	ND	17.8	--		8.333

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	87		60-140
Bromochloromethane	86		60-140
chlorobenzene-d5	93		60-140



**Project Name:** 266-270 W 96TH ST.  
**Project Number:** 170432001

**Lab Number:** L2047759  
**Report Date:** 11/05/20

### SAMPLE RESULTS

Lab ID: L2047759-06  
 Client ID: IA12\_10302020  
 Sample Location: MANHATTAN, NY

Date Collected: 10/30/20 18:50  
 Date Received: 10/30/20  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Air  
 Analytical Method: 48,TO-15  
 Analytical Date: 11/03/20 23:27  
 Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
<b>Volatile Organics in Air - Mansfield Lab</b>								
Dichlorodifluoromethane	0.457	0.200	--	2.26	0.989	--		1
Chloromethane	0.403	0.200	--	0.832	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	0.632	0.200	--	1.40	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	9.89	5.00	--	18.6	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	0.208	0.200	--	1.17	1.12	--		1
Isopropanol	0.639	0.500	--	1.57	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	1.33	0.200	--	6.49	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1



**Project Name:** 266-270 W 96TH ST.  
**Project Number:** 170432001

**Lab Number:** L2047759  
**Report Date:** 11/05/20

**SAMPLE RESULTS**

Lab ID: L2047759-06  
 Client ID: IA12\_10302020  
 Sample Location: MANHATTAN, NY

Date Collected: 10/30/20 18:50  
 Date Received: 10/30/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
<b>Volatile Organics in Air - Mansfield Lab</b>								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	1.92	0.200	--	6.77	0.705	--		1
Benzene	1.68	0.200	--	5.37	0.639	--		1
Cyclohexane	0.816	0.200	--	2.81	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	1.40	0.200	--	6.54	0.934	--		1
Heptane	0.955	0.200	--	3.91	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Xylenes, Total	4.32	0.200	--	18.8	0.869	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	3.74	0.200	--	14.1	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	0.797	0.200	--	3.46	0.869	--		1
p/m-Xylene	3.08	0.400	--	13.4	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	1.24	0.200	--	5.39	0.869	--		1
4-Ethyltoluene	0.270	0.200	--	1.33	0.983	--		1



**Project Name:** 266-270 W 96TH ST.  
**Project Number:** 170432001

**Lab Number:** L2047759  
**Report Date:** 11/05/20

**SAMPLE RESULTS**

Lab ID: L2047759-06  
 Client ID: IA12\_10302020  
 Sample Location: MANHATTAN, NY

Date Collected: 10/30/20 18:50  
 Date Received: 10/30/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
<b>Volatile Organics in Air - Mansfield Lab</b>								
1,3,5-Trimethylbenzene	0.425	0.200	--	2.09	0.983	--		1
1,2,4-Trimethylbenzene	1.65	0.200	--	8.11	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	84		60-140
Bromochloromethane	80		60-140
chlorobenzene-d5	86		60-140



**Project Name:** 266-270 W 96TH ST.  
**Project Number:** 170432001

**Lab Number:** L2047759  
**Report Date:** 11/05/20

**SAMPLE RESULTS**

Lab ID: L2047759-06  
 Client ID: IA12\_10302020  
 Sample Location: MANHATTAN, NY

Date Collected: 10/30/20 18:50  
 Date Received: 10/30/20  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Air  
 Analytical Method: 48,TO-15-SIM  
 Analytical Date: 11/03/20 23:27  
 Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
<b>Volatile Organics in Air by SIM - Mansfield Lab</b>								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.074	0.020	--	0.465	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.116	0.020	--	0.787	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	90		60-140
bromochloromethane	89		60-140
chlorobenzene-d5	94		60-140



Project Name: 266-270 W 96TH ST.

Lab Number: L2047759

Project Number: 170432001

Report Date: 11/05/20

### Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 11/03/20 14:41

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01-06 Batch: WG1429911-4								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Xylenes, Total	ND	0.200	--	ND	0.869	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1



Project Name: 266-270 W 96TH ST.

Lab Number: L2047759

Project Number: 170432001

Report Date: 11/05/20

### Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 11/03/20 14:41

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01-06 Batch: WG1429911-4								
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1

Project Name: 266-270 W 96TH ST.

Lab Number: L2047759

Project Number: 170432001

Report Date: 11/05/20

### Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 11/03/20 14:41

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01-06 Batch: WG1429911-4								
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1



Project Name: 266-270 W 96TH ST.

Lab Number: L2047759

Project Number: 170432001

Report Date: 11/05/20

### Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15-SIM

Analytical Date: 11/03/20 15:23

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 02,04,06 Batch: WG1429913-4								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 266-270 W 96TH ST.

Lab Number: L2047759

Project Number: 170432001

Report Date: 11/05/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-06 Batch: WG1429911-3								
Dichlorodifluoromethane	94		-		70-130	-		
Chloromethane	92		-		70-130	-		
Freon-114	97		-		70-130	-		
Vinyl chloride	94		-		70-130	-		
1,3-Butadiene	105		-		70-130	-		
Bromomethane	94		-		70-130	-		
Chloroethane	124		-		70-130	-		
Ethanol	83		-		40-160	-		
Vinyl bromide	89		-		70-130	-		
Acetone	85		-		40-160	-		
Trichlorofluoromethane	88		-		70-130	-		
Isopropanol	74		-		40-160	-		
1,1-Dichloroethene	96		-		70-130	-		
Tertiary butyl Alcohol	91		-		70-130	-		
Methylene chloride	99		-		70-130	-		
3-Chloropropene	101		-		70-130	-		
Carbon disulfide	91		-		70-130	-		
Freon-113	93		-		70-130	-		
trans-1,2-Dichloroethene	94		-		70-130	-		
1,1-Dichloroethane	92		-		70-130	-		
Methyl tert butyl ether	97		-		70-130	-		
2-Butanone	93		-		70-130	-		
cis-1,2-Dichloroethene	97		-		70-130	-		

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 266-270 W 96TH ST.

Lab Number: L2047759

Project Number: 170432001

Report Date: 11/05/20

Parameter	LCS	Qual	LCS	Qual	%Recovery	RPD	Qual	RPD
	%Recovery		%Recovery		Limits			Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-06 Batch: WG1429911-3								
Ethyl Acetate	96		-		70-130			-
Chloroform	98		-		70-130			-
Tetrahydrofuran	91		-		70-130			-
1,2-Dichloroethane	93		-		70-130			-
n-Hexane	101		-		70-130			-
1,1,1-Trichloroethane	89		-		70-130			-
Benzene	95		-		70-130			-
Carbon tetrachloride	100		-		70-130			-
Cyclohexane	100		-		70-130			-
1,2-Dichloropropane	96		-		70-130			-
Bromodichloromethane	102		-		70-130			-
1,4-Dioxane	98		-		70-130			-
Trichloroethene	94		-		70-130			-
2,2,4-Trimethylpentane	102		-		70-130			-
Heptane	98		-		70-130			-
cis-1,3-Dichloropropene	107		-		70-130			-
4-Methyl-2-pentanone	100		-		70-130			-
trans-1,3-Dichloropropene	92		-		70-130			-
1,1,2-Trichloroethane	95		-		70-130			-
Toluene	93		-		70-130			-
2-Hexanone	102		-		70-130			-
Dibromochloromethane	100		-		70-130			-
1,2-Dibromoethane	100		-		70-130			-

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 266-270 W 96TH ST.

**Lab Number:** L2047759

**Project Number:** 170432001

**Report Date:** 11/05/20

<b>Parameter</b>	<b>LCS %Recovery</b>	<b>Qual</b>	<b>LCSD %Recovery</b>	<b>Qual</b>	<b>%Recovery Limits</b>	<b>RPD</b>	<b>Qual</b>	<b>RPD Limits</b>
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-06 Batch: WG1429911-3								
Tetrachloroethene	99		-		70-130	-		
Chlorobenzene	101		-		70-130	-		
Ethylbenzene	98		-		70-130	-		
p/m-Xylene	98		-		70-130	-		
Bromoform	101		-		70-130	-		
Styrene	103		-		70-130	-		
1,1,2,2-Tetrachloroethane	112		-		70-130	-		
o-Xylene	102		-		70-130	-		
4-Ethyltoluene	104		-		70-130	-		
1,3,5-Trimethylbenzene	105		-		70-130	-		
1,2,4-Trimethylbenzene	113		-		70-130	-		
Benzyl chloride	120		-		70-130	-		
1,3-Dichlorobenzene	112		-		70-130	-		
1,4-Dichlorobenzene	112		-		70-130	-		
1,2-Dichlorobenzene	118		-		70-130	-		
1,2,4-Trichlorobenzene	110		-		70-130	-		
Hexachlorobutadiene	96		-		70-130	-		

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 266-270 W 96TH ST.

**Project Number:** 170432001

**Lab Number:** L2047759

**Report Date:** 11/05/20

Parameter	<i>LCS</i> %Recovery	<i>Qual</i>	<i>LCSD</i> %Recovery	<i>Qual</i>	<i>%Recovery</i> Limits	<i>RPD</i>	<i>Qual</i>	<i>RPD</i> Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 02,04,06 Batch: WG1429913-3								
Vinyl chloride	90		-		70-130	-		25
1,1-Dichloroethene	88		-		70-130	-		25
cis-1,2-Dichloroethene	91		-		70-130	-		25
1,1,1-Trichloroethane	80		-		70-130	-		25
Carbon tetrachloride	90		-		70-130	-		25
Trichloroethene	84		-		70-130	-		25
Tetrachloroethene	92		-		70-130	-		25

## Lab Duplicate Analysis

### Batch Quality Control

Project Name: 266-270 W 96TH ST.

Project Number: 170432001

Lab Number: L2047759

Report Date: 11/05/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1429911-5 QC Sample: L2047759-02 Client ID: IA10_10302020						
Dichlorodifluoromethane	0.432	0.452	ppbV	5		25
Chloromethane	0.408	0.423	ppbV	4		25
Freon-114	ND	ND	ppbV	NC		25
1,3-Butadiene	0.722	0.745	ppbV	3		25
Bromomethane	ND	ND	ppbV	NC		25
Chloroethane	ND	ND	ppbV	NC		25
Ethanol	10.7	10.9	ppbV	2		25
Vinyl bromide	ND	ND	ppbV	NC		25
Acetone	ND	ND	ppbV	NC		25
Trichlorofluoromethane	0.202	0.208	ppbV	3		25
Isopropanol	0.605	0.618	ppbV	2		25
Tertiary butyl Alcohol	ND	ND	ppbV	NC		25
Methylene chloride	ND	ND	ppbV	NC		25
3-Chloropropene	ND	ND	ppbV	NC		25
Carbon disulfide	ND	ND	ppbV	NC		25
Freon-113	ND	ND	ppbV	NC		25
trans-1,2-Dichloroethene	ND	ND	ppbV	NC		25
1,1-Dichloroethane	ND	ND	ppbV	NC		25
Methyl tert butyl ether	ND	ND	ppbV	NC		25
2-Butanone	ND	ND	ppbV	NC		25
Ethyl Acetate	ND	ND	ppbV	NC		25

## Lab Duplicate Analysis

### Batch Quality Control

Project Name: 266-270 W 96TH ST.

Project Number: 170432001

Lab Number: L2047759

Report Date: 11/05/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1429911-5 QC Sample: L2047759-02 Client ID: IA10_10302020						
Chloroform	1.71	1.75	ppbV	2		25
Tetrahydrofuran	ND	ND	ppbV	NC		25
1,2-Dichloroethane	ND	ND	ppbV	NC		25
n-Hexane	2.22	2.31	ppbV	4		25
Benzene	1.94	2.00	ppbV	3		25
Cyclohexane	0.984	1.01	ppbV	3		25
1,2-Dichloropropane	ND	ND	ppbV	NC		25
Bromodichloromethane	ND	ND	ppbV	NC		25
1,4-Dioxane	ND	ND	ppbV	NC		25
2,2,4-Trimethylpentane	1.66	1.72	ppbV	4		25
Heptane	1.12	1.16	ppbV	4		25
cis-1,3-Dichloropropene	ND	ND	ppbV	NC		25
Xylenes, Total	5.16	5.20	ppbV	1		25
4-Methyl-2-pentanone	ND	ND	ppbV	NC		25
trans-1,3-Dichloropropene	ND	ND	ppbV	NC		25
1,1,2-Trichloroethane	ND	ND	ppbV	NC		25
Toluene	4.42	4.36	ppbV	1		25
2-Hexanone	ND	ND	ppbV	NC		25
Dibromochloromethane	ND	ND	ppbV	NC		25
1,2-Dibromoethane	ND	ND	ppbV	NC		25
Chlorobenzene	ND	ND	ppbV	NC		25

## Lab Duplicate Analysis

### Batch Quality Control

Project Name: 266-270 W 96TH ST.

Project Number: 170432001

Lab Number: L2047759

Report Date: 11/05/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1429911-5 QC Sample: L2047759-02 Client ID: IA10_10302020						
Ethylbenzene	0.954	0.961	ppbV	1		25
p/m-Xylene	3.68	3.72	ppbV	1		25
Bromoform	ND	ND	ppbV	NC		25
Styrene	ND	ND	ppbV	NC		25
1,1,2,2-Tetrachloroethane	ND	ND	ppbV	NC		25
o-Xylene	1.49	1.48	ppbV	1		25
4-Ethyltoluene	0.243	0.341	ppbV	34	Q	25
1,3,5-Trimethylbenzene	0.527	0.502	ppbV	5		25
1,2,4-Trimethylbenzene	1.97	1.98	ppbV	1		25
Benzyl chloride	ND	ND	ppbV	NC		25
1,3-Dichlorobenzene	ND	ND	ppbV	NC		25
1,4-Dichlorobenzene	ND	ND	ppbV	NC		25
1,2-Dichlorobenzene	ND	ND	ppbV	NC		25
1,2,4-Trichlorobenzene	ND	ND	ppbV	NC		25
Hexachlorobutadiene	ND	ND	ppbV	NC		25



## Lab Duplicate Analysis

Batch Quality Control

Project Name: 266-270 W 96TH ST.

Project Number: 170432001

Lab Number: L2047759

Report Date: 11/05/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 02,04,06 QC Batch ID: WG1429913-5 QC Sample: L2047759-02 Client ID: IA10_10302020						
Vinyl chloride	ND	ND	ppbV	NC		25
1,1-Dichloroethene	ND	ND	ppbV	NC		25
cis-1,2-Dichloroethene	ND	ND	ppbV	NC		25
1,1,1-Trichloroethane	ND	ND	ppbV	NC		25
Carbon tetrachloride	0.077	0.073	ppbV	5		25
Trichloroethene	ND	ND	ppbV	NC		25
Tetrachloroethene	0.145	0.149	ppbV	3		25

Project Name: 266-270 W 96TH ST.

Project Number: 170432001

Serial\_No:11052016:17  
Lab Number: L2047759

Report Date: 11/05/20

### Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controller Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L2047759-01	SSV10_10302020	0471	Flow 5	10/29/20	334431		-	-	-	Pass	10.0	9.8	2
L2047759-01	SSV10_10302020	2292	6.0L Can	10/29/20	334431	L2046066-08	Pass	-29.5	-4.0	-	-	-	-
L2047759-02	IA10_10302020	01465	Flow 5	10/29/20	334431		-	-	-	Pass	9.6	9.5	1
L2047759-02	IA10_10302020	1621	6.0L Can	10/29/20	334431	L2046066-08	Pass	-29.3	-6.6	-	-	-	-
L2047759-03	SSV11_10302020	01791	Flow 4	10/29/20	334431		-	-	-	Pass	10.0	9.9	1
L2047759-03	SSV11_10302020	2560	6.0L Can	10/29/20	334431	L2046378-01	Pass	-28.8	-4.1	-	-	-	-
L2047759-04	IA11_10302020	0943	Flow 1	10/29/20	334431		-	-	-	Pass	10.0	9.9	1
L2047759-04	IA11_10302020	2317	6.0L Can	10/29/20	334431	L2046378-03	Pass	-28.8	-6.9	-	-	-	-
L2047759-05	SSV12_10302020	01695	Flow 4	10/29/20	334431		-	-	-	Pass	10.0	10.0	0
L2047759-05	SSV12_10302020	2619	6.0L Can	10/29/20	334431	L2046066-08	Pass	-29.2	-4.4	-	-	-	-
L2047759-06	IA12_10302020	01418	Flow 5	10/29/20	334431		-	-	-	Pass	10.0	7.9	23
L2047759-06	IA12_10302020	1941	6.0L Can	10/29/20	334431	L2046066-08	Pass	-29.1	-7.3	-	-	-	-

**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L2046066  
**Report Date:** 11/05/20

### Air Canister Certification Results

Lab ID: L2046066-08  
 Client ID: CAN 1941 SHELF 43  
 Sample Location:

Date Collected: 10/23/20 09:00  
 Date Received: 10/23/20  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Air  
 Analytical Method: 48,TO-15  
 Analytical Date: 10/26/20 18:04  
 Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1



**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L2046066  
**Report Date:** 11/05/20

### Air Canister Certification Results

Lab ID: L2046066-08  
 Client ID: CAN 1941 SHELF 43  
 Sample Location:

Date Collected: 10/23/20 09:00  
 Date Received: 10/23/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Xylenes, total	ND	0.600	--	ND	0.869	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
1,2-Dichloroethene (total)	ND	1.00	--	ND	1.00	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1



**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L2046066  
**Report Date:** 11/05/20

### Air Canister Certification Results

Lab ID: L2046066-08  
 Client ID: CAN 1941 SHELF 43  
 Sample Location:

Date Collected: 10/23/20 09:00  
 Date Received: 10/23/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1



**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L2046066  
**Report Date:** 11/05/20

### Air Canister Certification Results

Lab ID: L2046066-08  
 Client ID: CAN 1941 SHELF 43  
 Sample Location:

Date Collected: 10/23/20 09:00  
 Date Received: 10/23/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,3-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1



**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L2046066  
**Report Date:** 11/05/20

### Air Canister Certification Results

Lab ID: L2046066-08  
 Client ID: CAN 1941 SHELF 43  
 Sample Location:

Date Collected: 10/23/20 09:00  
 Date Received: 10/23/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds				

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	86		60-140
Bromochloromethane	82		60-140
chlorobenzene-d5	82		60-140

**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L2046066  
**Report Date:** 11/05/20

### Air Canister Certification Results

Lab ID: L2046066-08  
 Client ID: CAN 1941 SHELF 43  
 Sample Location:

Date Collected: 10/23/20 09:00  
 Date Received: 10/23/20  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Air  
 Analytical Method: 48,TO-15-SIM  
 Analytical Date: 10/26/20 18:04  
 Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1





**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L2046066  
**Report Date:** 11/05/20

### Air Canister Certification Results

Lab ID: L2046066-08  
 Client ID: CAN 1941 SHELF 43  
 Sample Location:

Date Collected: 10/23/20 09:00  
 Date Received: 10/23/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1



**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L2046066  
**Report Date:** 11/05/20

### Air Canister Certification Results

Lab ID: L2046066-08  
 Client ID: CAN 1941 SHELF 43  
 Sample Location:

Date Collected: 10/23/20 09:00  
 Date Received: 10/23/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	88		60-140
bromochloromethane	83		60-140
chlorobenzene-d5	82		60-140

**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L2046378  
**Report Date:** 11/05/20

### Air Canister Certification Results

Lab ID: L2046378-01  
 Client ID: CAN 2560 SHELF 46  
 Sample Location:

Date Collected: 10/23/20 16:00  
 Date Received: 10/24/20  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Air  
 Analytical Method: 48,TO-15  
 Analytical Date: 10/26/20 18:46  
 Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1

**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L2046378  
**Report Date:** 11/05/20

### Air Canister Certification Results

Lab ID: L2046378-01  
 Client ID: CAN 2560 SHELF 46  
 Sample Location:

Date Collected: 10/23/20 16:00  
 Date Received: 10/24/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
Xylenes, total	ND	0.600	--	ND	0.869	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
1,2-Dichloroethene (total)	ND	1.00	--	ND	1.00	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1



**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L2046378  
**Report Date:** 11/05/20

### Air Canister Certification Results

Lab ID: L2046378-01  
 Client ID: CAN 2560 SHELF 46  
 Sample Location:

Date Collected: 10/23/20 16:00  
 Date Received: 10/24/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1

**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L2046378  
**Report Date:** 11/05/20

### Air Canister Certification Results

Lab ID: L2046378-01  
 Client ID: CAN 2560 SHELF 46  
 Sample Location:

Date Collected: 10/23/20 16:00  
 Date Received: 10/24/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,3-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1



**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L2046378  
**Report Date:** 11/05/20

### Air Canister Certification Results

Lab ID: L2046378-01  
 Client ID: CAN 2560 SHELF 46  
 Sample Location:

Date Collected: 10/23/20 16:00  
 Date Received: 10/24/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds				

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	85		60-140
Bromochloromethane	83		60-140
chlorobenzene-d5	80		60-140

**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L2046378  
**Report Date:** 11/05/20

### Air Canister Certification Results

Lab ID: L2046378-01  
 Client ID: CAN 2560 SHELF 46  
 Sample Location:

Date Collected: 10/23/20 16:00  
 Date Received: 10/24/20  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Air  
 Analytical Method: 48,TO-15-SIM  
 Analytical Date: 10/26/20 18:46  
 Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1





**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L2046378  
**Report Date:** 11/05/20

### Air Canister Certification Results

Lab ID: L2046378-01  
 Client ID: CAN 2560 SHELF 46  
 Sample Location:

Date Collected: 10/23/20 16:00  
 Date Received: 10/24/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1



**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L2046378  
**Report Date:** 11/05/20

### Air Canister Certification Results

Lab ID: L2046378-01  
 Client ID: CAN 2560 SHELF 46  
 Sample Location:

Date Collected: 10/23/20 16:00  
 Date Received: 10/24/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	87		60-140
bromochloromethane	79		60-140
chlorobenzene-d5	80		60-140

**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L2046378  
**Report Date:** 11/05/20

### Air Canister Certification Results

**Lab ID:** L2046378-03  
**Client ID:** CAN 2317 SHELF 48  
**Sample Location:**

**Date Collected:** 10/23/20 16:00  
**Date Received:** 10/24/20  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Air  
**Analytical Method:** 48,TO-15  
**Analytical Date:** 10/26/20 20:11  
**Analyst:** TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1

**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L2046378  
**Report Date:** 11/05/20

### Air Canister Certification Results

Lab ID: L2046378-03  
 Client ID: CAN 2317 SHELF 48  
 Sample Location:

Date Collected: 10/23/20 16:00  
 Date Received: 10/24/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
Xylenes, total	ND	0.600	--	ND	0.869	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
1,2-Dichloroethene (total)	ND	1.00	--	ND	1.00	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1



**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L2046378  
**Report Date:** 11/05/20

### Air Canister Certification Results

Lab ID: L2046378-03  
 Client ID: CAN 2317 SHELF 48  
 Sample Location:

Date Collected: 10/23/20 16:00  
 Date Received: 10/24/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1



**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L2046378  
**Report Date:** 11/05/20

### Air Canister Certification Results

Lab ID: L2046378-03  
 Client ID: CAN 2317 SHELF 48  
 Sample Location:

Date Collected: 10/23/20 16:00  
 Date Received: 10/24/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,3-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1



**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L2046378  
**Report Date:** 11/05/20

### Air Canister Certification Results

Lab ID: L2046378-03  
 Client ID: CAN 2317 SHELF 48  
 Sample Location:

Date Collected: 10/23/20 16:00  
 Date Received: 10/24/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds				

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	86		60-140
Bromochloromethane	86		60-140
chlorobenzene-d5	83		60-140

**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L2046378  
**Report Date:** 11/05/20

### Air Canister Certification Results

Lab ID: L2046378-03  
 Client ID: CAN 2317 SHELF 48  
 Sample Location:

Date Collected: 10/23/20 16:00  
 Date Received: 10/24/20  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Air  
 Analytical Method: 48,TO-15-SIM  
 Analytical Date: 10/26/20 20:11  
 Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1





**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L2046378  
**Report Date:** 11/05/20

### Air Canister Certification Results

Lab ID: L2046378-03  
 Client ID: CAN 2317 SHELF 48  
 Sample Location:

Date Collected: 10/23/20 16:00  
 Date Received: 10/24/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1



**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L2046378  
**Report Date:** 11/05/20

### Air Canister Certification Results

Lab ID: L2046378-03  
 Client ID: CAN 2317 SHELF 48  
 Sample Location:

Date Collected: 10/23/20 16:00  
 Date Received: 10/24/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	87		60-140
bromochloromethane	84		60-140
chlorobenzene-d5	84		60-140

**Project Name:** 266-270 W 96TH ST.**Lab Number:** L2047759**Project Number:** 170432001**Report Date:** 11/05/20**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

**Cooler Information**

<b>Cooler</b>	<b>Custody Seal</b>
NA	Absent

**Container Information**

<b>Container ID</b>	<b>Container Type</b>	<b>Cooler</b>	<b>Initial pH</b>	<b>Final pH</b>	<b>Temp deg C</b>	<b>Pres</b>	<b>Seal</b>	<b>Frozen Date/Time</b>	<b>Analysis(*)</b>
L2047759-01A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-LL(30)
L2047759-02A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-SIM(30),TO15-LL(30)
L2047759-03A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-LL(30)
L2047759-04A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-SIM(30),TO15-LL(30)
L2047759-05A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-LL(30)
L2047759-06A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-SIM(30),TO15-LL(30)

**Project Name:** 266-270 W 96TH ST.  
**Project Number:** 170432001

**Lab Number:** L2047759  
**Report Date:** 11/05/20

## GLOSSARY

### Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)  Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: Data Usability Report



**Project Name:** 266-270 W 96TH ST.  
**Project Number:** 170432001

**Lab Number:** L2047759  
**Report Date:** 11/05/20

#### Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

#### Terms

**Analytical Method:** Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

**Difference:** With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

**Final pH:** As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

**Frozen Date/Time:** With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

**Initial pH:** As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

**PAH Total:** With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benzo(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

**PFAS Total:** With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

**Total:** With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

#### Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the reporting limit (RL) for the sample.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.

Report Format: Data Usability Report



**Project Name:** 266-270 W 96TH ST.  
**Project Number:** 170432001

**Lab Number:** L2047759  
**Report Date:** 11/05/20

**Data Qualifiers**

- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.

**Project Name:** 266-270 W 96TH ST.  
**Project Number:** 170432001

**Lab Number:** L2047759  
**Report Date:** 11/05/20

## REFERENCES

- 48 Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air. Second Edition. EPA/625/R-96/010b, January 1999.

## LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



## Certification Information

---

The following analytes are not included in our Primary NELAP Scope of Accreditation:

### Westborough Facility

**EPA 624/624.1:** m/p-xylene, o-xylene, Naphthalene

**EPA 8260C:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.

**EPA 8270D:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.

**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO<sub>2</sub>, NO<sub>3</sub>.

### Mansfield Facility

**SM 2540D:** TSS

**EPA 8082A:** NPW: PCB: 1, 5, 31, 87, 101, 110, 141, 151, 153, 180, 183, 187.

**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

**EPA TO-12** Non-methane organics

**EPA 3C** Fixed gases

**Biological Tissue Matrix:** EPA 3050B

---

The following analytes are included in our Massachusetts DEP Scope of Accreditation

### Westborough Facility:

#### Drinking Water

**EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,**

**EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**

**EPA 332:** Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.

**Microbiology:** **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.**

#### Non-Potable Water

**SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:** Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.

**EPA 624.1:** Volatile Halocarbons & Aromatics,

**EPA 608.3:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

**EPA 625.1:** SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.

**Microbiology:** **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.**

### Mansfield Facility:

#### Drinking Water

**EPA 200.7:** Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.

**EPA 522.**

#### Non-Potable Water

**EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.

**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.

**EPA 245.1** Hg.

**SM2340B**

---

For a complete listing of analytes and methods, please contact your Alpha Project Manager.



# AIR ANALYSIS

PAGE 1 OF 1



CHAIN OF CUSTODY

320 Forbes Blvd, Mansfield, MA 02048  
TEL: 508-822-9300 FAX: 508-822-3288

**Client Information**

Client: LANGAN, DPC  
Address: 21 PENN PLAZA, SUITE 8  
NY, NY 10001  
Phone: 212-479-5400  
Fax:  
Email: Kumar.Chandrasekaran@langan.com Jhansu.Belkale@langan.com

These samples have been previously analyzed by Alpha

Other Project Specific Requirements/Comments:

Project-Specific Target Compound List:

**Project Information**

Project Name: 216-270 W 96th St.  
Project Location: MANHATTAN, NY  
Project #:  
Project Manager: Kim Simon, Joe Yankowitz  
ALPHA Quote #:

**Turn-Around Time**

Standard  RUSH (only confirmed if pre-approved)  
Date Due: Time:

Date Rec'd in Lab: 10/31/20

**Report Information - Data Deliverables**

FAX  
 ADEX  
Criteria Checker:  
(Default based on Regulatory Criteria Indicated)  
Other Formats:  
 EMAIL (standard pdf report)  
 Additional Deliverables: ASPB  
Report to: (if different than Project Manager)

ALPHA Job #: L2047759

**Billing Information**

Same as Client info PO #:

**Regulatory Requirements/Report Limits**

State/Fed	Program	Res / Comm
<u>NYSDEH</u>		

**All Columns Below Must Be Filled Out**

ALPHA Lab ID (Lab Use Only)	Sample ID	COLLECTION				Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	ID Can	ID - Flow Controller	TO-15 TO-15 SIM	TO-15 SIM Subtract Non-halogenated HCs	APH Fixed Gases	Sulfides & Mercaptans by TO-15	Sample Comments (i.e. PID)
		End Date	Start Time	End Time													
<u>47759-01</u>	<u>SSV10_10302020</u>	<u>10/30/2020</u>	<u>10:43</u>	<u>18:43</u>	<u>-30.25</u>	<u>-6.15</u>	<u>SSV</u>	<u>gjm</u>	<u>6L</u>	<u>2292</u>	<u>0471</u>	<input checked="" type="checkbox"/>					
<u>-02</u>	<u>IA10_10302020</u>		<u>10:44</u>	<u>18:44</u>	<u>-30.03</u>	<u>-8.4</u>	<u>IA</u>	<u>gjm</u>	<u>6L</u>	<u>1621</u>	<u>01465</u>	<input checked="" type="checkbox"/>					
<u>-03</u>	<u>SSV11_10302020</u>		<u>10:46</u>	<u>18:46</u>	<u>-29.6</u>	<u>-6.07</u>	<u>SSV</u>	<u>gjm</u>	<u>6L</u>	<u>2560</u>	<u>01791</u>	<input checked="" type="checkbox"/>					
<u>-04</u>	<u>IA11_10302020</u>		<u>10:47</u>	<u>18:47</u>	<u>-29.8</u>	<u>-8.63</u>	<u>IA</u>	<u>gjm</u>	<u>6L</u>	<u>2317</u>	<u>01443</u>	<input checked="" type="checkbox"/>					
<u>-05</u>	<u>SSV12_10302020</u>		<u>10:50</u>	<u>18:50</u>	<u>-30.21</u>	<u>-6.19</u>	<u>SSV</u>	<u>gjm</u>	<u>6L</u>	<u>2617</u>	<u>01695</u>	<input checked="" type="checkbox"/>					
<u>-06</u>	<u>IA12_10302020</u>		<u>10:50</u>	<u>18:50</u>	<u>-29.99</u>	<u>-9.01</u>	<u>IA</u>	<u>gjm</u>	<u>6L</u>	<u>1941</u>	<u>01418</u>	<input checked="" type="checkbox"/>					

**\*SAMPLE MATRIX CODES**

AA = Ambient Air (Indoor/Outdoor)  
SV = Soil Vapor/Landfill Gas/SVE  
Other = Please Specify

Container Type

Relinquished By: [Signature] Date/Time: 10/30/2020 19:00  
[Signature] AAL-10/30/20 21:50  
[Signature] 10/31/20 1345

Received By: [Signature] Date/Time: 10/30/20 19:00  
[Signature] 10/30/20 2200  
[Signature] 10/31/20 03:40

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.



## ANALYTICAL REPORT

Lab Number:	L2047884
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Kimberly Semon
Phone:	(212) 479-5486
Project Name:	266-270 W. 96TH ST
Project Number:	170432001
Report Date:	11/16/20

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

---

Eight Walkup Drive, Westborough, MA 01581-1019  
508-898-9220 (Fax) 508-898-9193 800-624-9220 - [www.alphalab.com](http://www.alphalab.com)



**Project Name:** 266-270 W. 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047884  
**Report Date:** 11/16/20

<b>Alpha Sample ID</b>	<b>Client ID</b>	<b>Matrix</b>	<b>Sample Location</b>	<b>Collection Date/Time</b>	<b>Receive Date</b>
L2047884-01	SB12_0-1	SOIL	NY, NY	11/02/20 09:30	11/02/20
L2047884-02	SB12_3.5-5	SOIL	NY, NY	11/02/20 09:10	11/02/20
L2047884-03	SB12_11-12.5	SOIL	NY, NY	11/02/20 10:00	11/02/20
L2047884-04	SB13_0-1.5	SOIL	NY, NY	11/02/20 12:50	11/02/20
L2047884-05	SB13_4-6	SOIL	NY, NY	11/02/20 13:15	11/02/20
L2047884-06	SB13_7.5-9	SOIL	NY, NY	11/02/20 13:30	11/02/20
L2047884-07	SBDUP01_11022020	SOIL	NY, NY	11/02/20 00:00	11/02/20
L2047884-08	SBTB03_11022020	TRIP BLANK (AQUEOUS)	NY, NY	11/02/20 00:00	11/02/20
L2047884-09	SBEB03_11022020	EQUIPMENT BLANK	NY, NY	11/02/20 11:30	11/02/20
L2047884-10	SBFB01_11022020	FIELD BLANK	NY, NY	11/02/20 14:30	11/02/20

**Project Name:** 266-270 W. 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047884  
**Report Date:** 11/16/20

### Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

**HOLD POLICY** - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

---

**Project Name:** 266-270 W. 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047884  
**Report Date:** 11/16/20

### Case Narrative (continued)

#### Report Submission

November 16, 2020: This final report includes the results of all requested analyses.

November 09, 2020: This is a preliminary report.

November 06, 2020: This is a preliminary report.

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

#### Perfluorinated Alkyl Acids by Isotope Dilution

L2047884-02, -03, -09, -10, WG1433347-1, WG1433347-2, and WG1433347-3: Extracted Internal Standard recoveries were outside the acceptance criteria for individual analytes. Please refer to the surrogate section of the report for details.

L2047884-03, -05, -06, and -07: The MeOH fraction of the extraction is reported for the following compounds due to better extraction efficiency of the Surrogates (Extracted Internal Standards): Perfluorooctanesulfonamide (FOSA).

#### Total Metals

L2047884-01 through -07: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.

L2047884-10: The Field Blank has a concentration above the reporting limit for lead. The result was confirmed. The WG1430340-4 Laboratory Duplicate RPD for mercury (47%), performed on L2047884-01, is outside the acceptance criteria. The elevated RPD has been attributed to the non-homogeneous nature of the native sample.

#### Cyanide, Total

The WG1430310-2/-3 LCS/LCSD recoveries for cyanide, total (72%/65%), associated with L2047884-01, -02, -03, -05, -06, and -07, are outside our in-house acceptance criteria, but within the vendor-certified

**Project Name:** 266-270 W. 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047884  
**Report Date:** 11/16/20

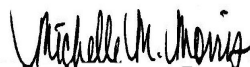
**Case Narrative (continued)**

acceptance limits. The results of the original analyses are reported.

The WG1430856-2/-3 LCS/LCSD recoveries for cyanide, total (53%/64%), associated with L2047884-04, are outside our in-house acceptance criteria, but within the vendor-certified acceptance limits. The results of the original analyses are reported.

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. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:



Michelle M. Morris

Title: Technical Director/Representative

Date: 11/16/20

# ORGANICS

# VOLATILES



**Project Name:** 266-270 W. 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047884  
**Report Date:** 11/16/20

**SAMPLE RESULTS**

**Lab ID:** L2047884-01  
**Client ID:** SB12\_0-1  
**Sample Location:** NY, NY

**Date Collected:** 11/02/20 09:30  
**Date Received:** 11/02/20  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8260C  
**Analytical Date:** 11/04/20 19:59  
**Analyst:** AJK  
**Percent Solids:** 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by EPA 5035 Low - Westborough Lab</b>						
Methylene chloride	ND		ug/kg	7.5	3.4	1
1,1-Dichloroethane	ND		ug/kg	1.5	0.22	1
Chloroform	0.99	J	ug/kg	2.2	0.21	1
Carbon tetrachloride	ND		ug/kg	1.5	0.35	1
1,2-Dichloropropane	ND		ug/kg	1.5	0.19	1
Dibromochloromethane	ND		ug/kg	1.5	0.21	1
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.40	1
Tetrachloroethene	0.40	J	ug/kg	0.75	0.30	1
Chlorobenzene	ND		ug/kg	0.75	0.19	1
Trichlorofluoromethane	ND		ug/kg	6.0	1.0	1
1,2-Dichloroethane	ND		ug/kg	1.5	0.39	1
1,1,1-Trichloroethane	ND		ug/kg	0.75	0.25	1
Bromodichloromethane	ND		ug/kg	0.75	0.16	1
trans-1,3-Dichloropropene	ND		ug/kg	1.5	0.41	1
cis-1,3-Dichloropropene	ND		ug/kg	0.75	0.24	1
1,3-Dichloropropene, Total	ND		ug/kg	0.75	0.24	1
1,1-Dichloropropene	ND		ug/kg	0.75	0.24	1
Bromoform	ND		ug/kg	6.0	0.37	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.75	0.25	1
Benzene	0.47	J	ug/kg	0.75	0.25	1
Toluene	ND		ug/kg	1.5	0.82	1
Ethylbenzene	ND		ug/kg	1.5	0.21	1
Chloromethane	ND		ug/kg	6.0	1.4	1
Bromomethane	ND		ug/kg	3.0	0.87	1
Vinyl chloride	ND		ug/kg	1.5	0.50	1
Chloroethane	ND		ug/kg	3.0	0.68	1
1,1-Dichloroethene	ND		ug/kg	1.5	0.36	1
trans-1,2-Dichloroethene	ND		ug/kg	2.2	0.21	1

**Project Name:** 266-270 W. 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047884  
**Report Date:** 11/16/20

**SAMPLE RESULTS**

**Lab ID:** L2047884-01  
**Client ID:** SB12\_0-1  
**Sample Location:** NY, NY

**Date Collected:** 11/02/20 09:30  
**Date Received:** 11/02/20  
**Field Prep:** Not Specified

**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatiles Organics by EPA 5035 Low - Westborough Lab</b>						
Trichloroethene	ND		ug/kg	0.75	0.21	1
1,2-Dichlorobenzene	ND		ug/kg	3.0	0.22	1
1,3-Dichlorobenzene	ND		ug/kg	3.0	0.22	1
1,4-Dichlorobenzene	ND		ug/kg	3.0	0.26	1
Methyl tert butyl ether	ND		ug/kg	3.0	0.30	1
p/m-Xylene	ND		ug/kg	3.0	0.84	1
o-Xylene	ND		ug/kg	1.5	0.44	1
Xylenes, Total	ND		ug/kg	1.5	0.44	1
cis-1,2-Dichloroethene	ND		ug/kg	1.5	0.26	1
1,2-Dichloroethene, Total	ND		ug/kg	1.5	0.21	1
Dibromomethane	ND		ug/kg	3.0	0.36	1
Styrene	ND		ug/kg	1.5	0.30	1
Dichlorodifluoromethane	ND		ug/kg	15	1.4	1
Acetone	ND		ug/kg	15	7.2	1
Carbon disulfide	ND		ug/kg	15	6.8	1
2-Butanone	ND		ug/kg	15	3.3	1
Vinyl acetate	ND		ug/kg	15	3.2	1
4-Methyl-2-pentanone	ND		ug/kg	15	1.9	1
1,2,3-Trichloropropane	ND		ug/kg	3.0	0.19	1
2-Hexanone	ND		ug/kg	15	1.8	1
Bromochloromethane	ND		ug/kg	3.0	0.31	1
2,2-Dichloropropane	ND		ug/kg	3.0	0.30	1
1,2-Dibromoethane	ND		ug/kg	1.5	0.42	1
1,3-Dichloropropane	ND		ug/kg	3.0	0.25	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.75	0.20	1
Bromobenzene	ND		ug/kg	3.0	0.22	1
n-Butylbenzene	ND		ug/kg	1.5	0.25	1
sec-Butylbenzene	ND		ug/kg	1.5	0.22	1
tert-Butylbenzene	ND		ug/kg	3.0	0.18	1
o-Chlorotoluene	ND		ug/kg	3.0	0.29	1
p-Chlorotoluene	ND		ug/kg	3.0	0.16	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.5	1.5	1
Hexachlorobutadiene	ND		ug/kg	6.0	0.25	1
Isopropylbenzene	ND		ug/kg	1.5	0.16	1
p-Isopropyltoluene	ND		ug/kg	1.5	0.16	1
Naphthalene	ND		ug/kg	6.0	0.98	1
Acrylonitrile	ND		ug/kg	6.0	1.7	1

**Project Name:** 266-270 W. 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047884  
**Report Date:** 11/16/20

**SAMPLE RESULTS**

Lab ID: L2047884-01  
 Client ID: SB12\_0-1  
 Sample Location: NY, NY

Date Collected: 11/02/20 09:30  
 Date Received: 11/02/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.5	0.26	1
1,2,3-Trichlorobenzene	ND		ug/kg	3.0	0.48	1
1,2,4-Trichlorobenzene	ND		ug/kg	3.0	0.41	1
1,3,5-Trimethylbenzene	ND		ug/kg	3.0	0.29	1
1,2,4-Trimethylbenzene	ND		ug/kg	3.0	0.50	1
1,4-Dioxane	ND		ug/kg	120	53.	1
p-Diethylbenzene	ND		ug/kg	3.0	0.27	1
p-Ethyltoluene	ND		ug/kg	3.0	0.58	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	3.0	0.29	1
Ethyl ether	ND		ug/kg	3.0	0.51	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	7.5	2.1	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	102		70-130

**Project Name:** 266-270 W. 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047884  
**Report Date:** 11/16/20

**SAMPLE RESULTS**

Lab ID: L2047884-02  
 Client ID: SB12\_3.5-5  
 Sample Location: NY, NY

Date Collected: 11/02/20 09:10  
 Date Received: 11/02/20  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8260C  
 Analytical Date: 11/04/20 20:24  
 Analyst: AJK  
 Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by EPA 5035 Low - Westborough Lab</b>						
Methylene chloride	ND		ug/kg	5.4	2.5	1
1,1-Dichloroethane	ND		ug/kg	1.1	0.16	1
Chloroform	0.27	J	ug/kg	1.6	0.15	1
Carbon tetrachloride	ND		ug/kg	1.1	0.25	1
1,2-Dichloropropane	ND		ug/kg	1.1	0.14	1
Dibromochloromethane	ND		ug/kg	1.1	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.29	1
Tetrachloroethene	ND		ug/kg	0.54	0.21	1
Chlorobenzene	ND		ug/kg	0.54	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.4	0.76	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.28	1
1,1,1-Trichloroethane	ND		ug/kg	0.54	0.18	1
Bromodichloromethane	ND		ug/kg	0.54	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.30	1
cis-1,3-Dichloropropene	ND		ug/kg	0.54	0.17	1
1,3-Dichloropropene, Total	ND		ug/kg	0.54	0.17	1
1,1-Dichloropropene	ND		ug/kg	0.54	0.17	1
Bromoform	ND		ug/kg	4.4	0.27	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.54	0.18	1
Benzene	0.31	J	ug/kg	0.54	0.18	1
Toluene	0.61	J	ug/kg	1.1	0.59	1
Ethylbenzene	ND		ug/kg	1.1	0.15	1
Chloromethane	ND		ug/kg	4.4	1.0	1
Bromomethane	ND		ug/kg	2.2	0.63	1
Vinyl chloride	ND		ug/kg	1.1	0.36	1
Chloroethane	ND		ug/kg	2.2	0.49	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.26	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.15	1

**Project Name:** 266-270 W. 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047884  
**Report Date:** 11/16/20

**SAMPLE RESULTS**

**Lab ID:** L2047884-02  
**Client ID:** SB12\_3.5-5  
**Sample Location:** NY, NY

**Date Collected:** 11/02/20 09:10  
**Date Received:** 11/02/20  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatiles Organics by EPA 5035 Low - Westborough Lab</b>						
Trichloroethene	ND		ug/kg	0.54	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,3-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	2.2	0.19	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.22	1
p/m-Xylene	ND		ug/kg	2.2	0.61	1
o-Xylene	ND		ug/kg	1.1	0.32	1
Xylenes, Total	ND		ug/kg	1.1	0.32	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.19	1
1,2-Dichloroethene, Total	ND		ug/kg	1.1	0.15	1
Dibromomethane	ND		ug/kg	2.2	0.26	1
Styrene	ND		ug/kg	1.1	0.21	1
Dichlorodifluoromethane	ND		ug/kg	11	1.0	1
Acetone	ND		ug/kg	11	5.2	1
Carbon disulfide	ND		ug/kg	11	5.0	1
2-Butanone	ND		ug/kg	11	2.4	1
Vinyl acetate	ND		ug/kg	11	2.3	1
4-Methyl-2-pentanone	ND		ug/kg	11	1.4	1
1,2,3-Trichloropropane	ND		ug/kg	2.2	0.14	1
2-Hexanone	ND		ug/kg	11	1.3	1
Bromochloromethane	ND		ug/kg	2.2	0.22	1
2,2-Dichloropropane	ND		ug/kg	2.2	0.22	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.30	1
1,3-Dichloropropane	ND		ug/kg	2.2	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.54	0.14	1
Bromobenzene	ND		ug/kg	2.2	0.16	1
n-Butylbenzene	ND		ug/kg	1.1	0.18	1
sec-Butylbenzene	ND		ug/kg	1.1	0.16	1
tert-Butylbenzene	ND		ug/kg	2.2	0.13	1
o-Chlorotoluene	ND		ug/kg	2.2	0.21	1
p-Chlorotoluene	ND		ug/kg	2.2	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.3	1.1	1
Hexachlorobutadiene	ND		ug/kg	4.4	0.18	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.12	1
Naphthalene	ND		ug/kg	4.4	0.71	1
Acrylonitrile	ND		ug/kg	4.4	1.2	1

**Project Name:** 266-270 W. 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047884  
**Report Date:** 11/16/20

**SAMPLE RESULTS**

**Lab ID:** L2047884-02  
**Client ID:** SB12\_3.5-5  
**Sample Location:** NY, NY

**Date Collected:** 11/02/20 09:10  
**Date Received:** 11/02/20  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.1	0.19	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.2	0.35	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.2	0.30	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.2	0.21	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.2	0.36	1
1,4-Dioxane	ND		ug/kg	87	38.	1
p-Diethylbenzene	ND		ug/kg	2.2	0.19	1
p-Ethyltoluene	ND		ug/kg	2.2	0.42	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.2	0.21	1
Ethyl ether	ND		ug/kg	2.2	0.37	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.4	1.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	103		70-130

**Project Name:** 266-270 W. 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047884  
**Report Date:** 11/16/20

**SAMPLE RESULTS**

Lab ID: L2047884-03  
 Client ID: SB12\_11-12.5  
 Sample Location: NY, NY

Date Collected: 11/02/20 10:00  
 Date Received: 11/02/20  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8260C  
 Analytical Date: 11/04/20 20:50  
 Analyst: AJK  
 Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by EPA 5035 Low - Westborough Lab</b>						
Methylene chloride	ND		ug/kg	5.8	2.7	1
1,1-Dichloroethane	ND		ug/kg	1.2	0.17	1
Chloroform	0.17	J	ug/kg	1.7	0.16	1
Carbon tetrachloride	ND		ug/kg	1.2	0.27	1
1,2-Dichloropropane	ND		ug/kg	1.2	0.14	1
Dibromochloromethane	ND		ug/kg	1.2	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.2	0.31	1
Tetrachloroethene	ND		ug/kg	0.58	0.23	1
Chlorobenzene	ND		ug/kg	0.58	0.15	1
Trichlorofluoromethane	ND		ug/kg	4.7	0.81	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.30	1
1,1,1-Trichloroethane	ND		ug/kg	0.58	0.19	1
Bromodichloromethane	ND		ug/kg	0.58	0.13	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.32	1
cis-1,3-Dichloropropene	ND		ug/kg	0.58	0.18	1
1,3-Dichloropropene, Total	ND		ug/kg	0.58	0.18	1
1,1-Dichloropropene	ND		ug/kg	0.58	0.18	1
Bromoform	ND		ug/kg	4.7	0.29	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.58	0.19	1
Benzene	ND		ug/kg	0.58	0.19	1
Toluene	ND		ug/kg	1.2	0.63	1
Ethylbenzene	ND		ug/kg	1.2	0.16	1
Chloromethane	ND		ug/kg	4.7	1.1	1
Bromomethane	ND		ug/kg	2.3	0.68	1
Vinyl chloride	ND		ug/kg	1.2	0.39	1
Chloroethane	ND		ug/kg	2.3	0.53	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.28	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.16	1

**Project Name:** 266-270 W. 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047884  
**Report Date:** 11/16/20

**SAMPLE RESULTS**

**Lab ID:** L2047884-03  
**Client ID:** SB12\_11-12.5  
**Sample Location:** NY, NY

**Date Collected:** 11/02/20 10:00  
**Date Received:** 11/02/20  
**Field Prep:** Not Specified

**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatiles Organics by EPA 5035 Low - Westborough Lab</b>						
Trichloroethene	ND		ug/kg	0.58	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	2.3	0.17	1
1,3-Dichlorobenzene	ND		ug/kg	2.3	0.17	1
1,4-Dichlorobenzene	ND		ug/kg	2.3	0.20	1
Methyl tert butyl ether	ND		ug/kg	2.3	0.23	1
p/m-Xylene	ND		ug/kg	2.3	0.65	1
o-Xylene	ND		ug/kg	1.2	0.34	1
Xylenes, Total	ND		ug/kg	1.2	0.34	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.20	1
1,2-Dichloroethene, Total	ND		ug/kg	1.2	0.16	1
Dibromomethane	ND		ug/kg	2.3	0.28	1
Styrene	ND		ug/kg	1.2	0.23	1
Dichlorodifluoromethane	ND		ug/kg	12	1.1	1
Acetone	ND		ug/kg	12	5.6	1
Carbon disulfide	ND		ug/kg	12	5.3	1
2-Butanone	ND		ug/kg	12	2.6	1
Vinyl acetate	ND		ug/kg	12	2.5	1
4-Methyl-2-pentanone	ND		ug/kg	12	1.5	1
1,2,3-Trichloropropane	ND		ug/kg	2.3	0.15	1
2-Hexanone	ND		ug/kg	12	1.4	1
Bromochloromethane	ND		ug/kg	2.3	0.24	1
2,2-Dichloropropane	ND		ug/kg	2.3	0.24	1
1,2-Dibromoethane	ND		ug/kg	1.2	0.32	1
1,3-Dichloropropane	ND		ug/kg	2.3	0.19	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.58	0.15	1
Bromobenzene	ND		ug/kg	2.3	0.17	1
n-Butylbenzene	ND		ug/kg	1.2	0.19	1
sec-Butylbenzene	ND		ug/kg	1.2	0.17	1
tert-Butylbenzene	ND		ug/kg	2.3	0.14	1
o-Chlorotoluene	ND		ug/kg	2.3	0.22	1
p-Chlorotoluene	ND		ug/kg	2.3	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.5	1.2	1
Hexachlorobutadiene	ND		ug/kg	4.7	0.20	1
Isopropylbenzene	ND		ug/kg	1.2	0.13	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.13	1
Naphthalene	ND		ug/kg	4.7	0.76	1
Acrylonitrile	ND		ug/kg	4.7	1.3	1



**Project Name:** 266-270 W. 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047884  
**Report Date:** 11/16/20

**SAMPLE RESULTS**

**Lab ID:** L2047884-03  
**Client ID:** SB12\_11-12.5  
**Sample Location:** NY, NY

**Date Collected:** 11/02/20 10:00  
**Date Received:** 11/02/20  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.2	0.20	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.3	0.38	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.3	0.32	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.3	0.22	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.3	0.39	1
1,4-Dioxane	ND		ug/kg	93	41.	1
p-Diethylbenzene	ND		ug/kg	2.3	0.21	1
p-Ethyltoluene	ND		ug/kg	2.3	0.45	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.3	0.22	1
Ethyl ether	ND		ug/kg	2.3	0.40	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.8	1.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	104		70-130

**Project Name:** 266-270 W. 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047884  
**Report Date:** 11/16/20

**SAMPLE RESULTS**

Lab ID: L2047884-04  
 Client ID: SB13\_0-1.5  
 Sample Location: NY, NY

Date Collected: 11/02/20 12:50  
 Date Received: 11/02/20  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8260C  
 Analytical Date: 11/04/20 21:16  
 Analyst: AJK  
 Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by EPA 5035 Low - Westborough Lab</b>						
Methylene chloride	ND		ug/kg	4.9	2.3	1
1,1-Dichloroethane	ND		ug/kg	0.99	0.14	1
Chloroform	ND		ug/kg	1.5	0.14	1
Carbon tetrachloride	ND		ug/kg	0.99	0.23	1
1,2-Dichloropropane	ND		ug/kg	0.99	0.12	1
Dibromochloromethane	ND		ug/kg	0.99	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	0.99	0.26	1
Tetrachloroethene	ND		ug/kg	0.49	0.19	1
Chlorobenzene	ND		ug/kg	0.49	0.12	1
Trichlorofluoromethane	ND		ug/kg	4.0	0.69	1
1,2-Dichloroethane	ND		ug/kg	0.99	0.25	1
1,1,1-Trichloroethane	ND		ug/kg	0.49	0.16	1
Bromodichloromethane	ND		ug/kg	0.49	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	0.99	0.27	1
cis-1,3-Dichloropropene	ND		ug/kg	0.49	0.16	1
1,3-Dichloropropene, Total	ND		ug/kg	0.49	0.16	1
1,1-Dichloropropene	ND		ug/kg	0.49	0.16	1
Bromoform	ND		ug/kg	4.0	0.24	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.49	0.16	1
Benzene	ND		ug/kg	0.49	0.16	1
Toluene	ND		ug/kg	0.99	0.54	1
Ethylbenzene	ND		ug/kg	0.99	0.14	1
Chloromethane	ND		ug/kg	4.0	0.92	1
Bromomethane	ND		ug/kg	2.0	0.58	1
Vinyl chloride	ND		ug/kg	0.99	0.33	1
Chloroethane	ND		ug/kg	2.0	0.45	1
1,1-Dichloroethene	ND		ug/kg	0.99	0.24	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14	1

**Project Name:** 266-270 W. 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047884  
**Report Date:** 11/16/20

**SAMPLE RESULTS**

**Lab ID:** L2047884-04  
**Client ID:** SB13\_0-1.5  
**Sample Location:** NY, NY

**Date Collected:** 11/02/20 12:50  
**Date Received:** 11/02/20  
**Field Prep:** Not Specified

**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatiles Organics by EPA 5035 Low - Westborough Lab</b>						
Trichloroethene	ND		ug/kg	0.49	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14	1
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17	1
Methyl tert butyl ether	ND		ug/kg	2.0	0.20	1
p/m-Xylene	ND		ug/kg	2.0	0.55	1
o-Xylene	ND		ug/kg	0.99	0.29	1
Xylenes, Total	ND		ug/kg	0.99	0.29	1
cis-1,2-Dichloroethene	ND		ug/kg	0.99	0.17	1
1,2-Dichloroethene, Total	ND		ug/kg	0.99	0.14	1
Dibromomethane	ND		ug/kg	2.0	0.24	1
Styrene	ND		ug/kg	0.99	0.19	1
Dichlorodifluoromethane	ND		ug/kg	9.9	0.90	1
Acetone	ND		ug/kg	9.9	4.8	1
Carbon disulfide	ND		ug/kg	9.9	4.5	1
2-Butanone	ND		ug/kg	9.9	2.2	1
Vinyl acetate	ND		ug/kg	9.9	2.1	1
4-Methyl-2-pentanone	ND		ug/kg	9.9	1.3	1
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.12	1
2-Hexanone	ND		ug/kg	9.9	1.2	1
Bromochloromethane	ND		ug/kg	2.0	0.20	1
2,2-Dichloropropane	ND		ug/kg	2.0	0.20	1
1,2-Dibromoethane	ND		ug/kg	0.99	0.28	1
1,3-Dichloropropane	ND		ug/kg	2.0	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.49	0.13	1
Bromobenzene	ND		ug/kg	2.0	0.14	1
n-Butylbenzene	ND		ug/kg	0.99	0.16	1
sec-Butylbenzene	ND		ug/kg	0.99	0.14	1
tert-Butylbenzene	ND		ug/kg	2.0	0.12	1
o-Chlorotoluene	ND		ug/kg	2.0	0.19	1
p-Chlorotoluene	ND		ug/kg	2.0	0.11	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	0.99	1
Hexachlorobutadiene	ND		ug/kg	4.0	0.17	1
Isopropylbenzene	ND		ug/kg	0.99	0.11	1
p-Isopropyltoluene	ND		ug/kg	0.99	0.11	1
Naphthalene	ND		ug/kg	4.0	0.64	1
Acrylonitrile	ND		ug/kg	4.0	1.1	1

**Project Name:** 266-270 W. 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047884  
**Report Date:** 11/16/20

**SAMPLE RESULTS**

**Lab ID:** L2047884-04  
**Client ID:** SB13\_0-1.5  
**Sample Location:** NY, NY

**Date Collected:** 11/02/20 12:50  
**Date Received:** 11/02/20  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	0.99	0.17	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33	1
1,4-Dioxane	ND		ug/kg	79	35.	1
p-Diethylbenzene	ND		ug/kg	2.0	0.18	1
p-Ethyltoluene	ND		ug/kg	2.0	0.38	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19	1
Ethyl ether	ND		ug/kg	2.0	0.34	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.9	1.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	103		70-130

**Project Name:** 266-270 W. 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047884  
**Report Date:** 11/16/20

**SAMPLE RESULTS**

Lab ID: L2047884-05  
 Client ID: SB13\_4-6  
 Sample Location: NY, NY

Date Collected: 11/02/20 13:15  
 Date Received: 11/02/20  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8260C  
 Analytical Date: 11/04/20 21:42  
 Analyst: AJK  
 Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by EPA 5035 Low - Westborough Lab</b>						
Methylene chloride	ND		ug/kg	12	5.5	1
1,1-Dichloroethane	ND		ug/kg	2.4	0.35	1
Chloroform	ND		ug/kg	3.6	0.34	1
Carbon tetrachloride	ND		ug/kg	2.4	0.55	1
1,2-Dichloropropane	ND		ug/kg	2.4	0.30	1
Dibromochloromethane	ND		ug/kg	2.4	0.34	1
1,1,2-Trichloroethane	ND		ug/kg	2.4	0.64	1
Tetrachloroethene	ND		ug/kg	1.2	0.47	1
Chlorobenzene	ND		ug/kg	1.2	0.30	1
Trichlorofluoromethane	ND		ug/kg	9.6	1.7	1
1,2-Dichloroethane	ND		ug/kg	2.4	0.62	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.40	1
Bromodichloromethane	ND		ug/kg	1.2	0.26	1
trans-1,3-Dichloropropene	ND		ug/kg	2.4	0.65	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.38	1
1,3-Dichloropropene, Total	ND		ug/kg	1.2	0.38	1
1,1-Dichloropropene	ND		ug/kg	1.2	0.38	1
Bromoform	ND		ug/kg	9.6	0.59	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.40	1
Benzene	ND		ug/kg	1.2	0.40	1
Toluene	ND		ug/kg	2.4	1.3	1
Ethylbenzene	ND		ug/kg	2.4	0.34	1
Chloromethane	ND		ug/kg	9.6	2.2	1
Bromomethane	ND		ug/kg	4.8	1.4	1
Vinyl chloride	ND		ug/kg	2.4	0.80	1
Chloroethane	ND		ug/kg	4.8	1.1	1
1,1-Dichloroethene	ND		ug/kg	2.4	0.57	1
trans-1,2-Dichloroethene	ND		ug/kg	3.6	0.33	1

**Project Name:** 266-270 W. 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047884  
**Report Date:** 11/16/20

**SAMPLE RESULTS**

**Lab ID:** L2047884-05  
**Client ID:** SB13\_4-6  
**Sample Location:** NY, NY

**Date Collected:** 11/02/20 13:15  
**Date Received:** 11/02/20  
**Field Prep:** Not Specified

**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by EPA 5035 Low - Westborough Lab</b>						
Trichloroethene	ND		ug/kg	1.2	0.33	1
1,2-Dichlorobenzene	ND		ug/kg	4.8	0.34	1
1,3-Dichlorobenzene	ND		ug/kg	4.8	0.35	1
1,4-Dichlorobenzene	ND		ug/kg	4.8	0.41	1
Methyl tert butyl ether	ND		ug/kg	4.8	0.48	1
p/m-Xylene	ND		ug/kg	4.8	1.3	1
o-Xylene	ND		ug/kg	2.4	0.70	1
Xylenes, Total	ND		ug/kg	2.4	0.70	1
cis-1,2-Dichloroethene	ND		ug/kg	2.4	0.42	1
1,2-Dichloroethene, Total	ND		ug/kg	2.4	0.33	1
Dibromomethane	ND		ug/kg	4.8	0.57	1
Styrene	ND		ug/kg	2.4	0.47	1
Dichlorodifluoromethane	ND		ug/kg	24	2.2	1
Acetone	ND		ug/kg	24	12.	1
Carbon disulfide	ND		ug/kg	24	11.	1
2-Butanone	ND		ug/kg	24	5.3	1
Vinyl acetate	ND		ug/kg	24	5.2	1
4-Methyl-2-pentanone	ND		ug/kg	24	3.1	1
1,2,3-Trichloropropane	ND		ug/kg	4.8	0.30	1
2-Hexanone	ND		ug/kg	24	2.8	1
Bromochloromethane	ND		ug/kg	4.8	0.49	1
2,2-Dichloropropane	ND		ug/kg	4.8	0.48	1
1,2-Dibromoethane	ND		ug/kg	2.4	0.67	1
1,3-Dichloropropane	ND		ug/kg	4.8	0.40	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	0.32	1
Bromobenzene	ND		ug/kg	4.8	0.35	1
n-Butylbenzene	ND		ug/kg	2.4	0.40	1
sec-Butylbenzene	ND		ug/kg	2.4	0.35	1
tert-Butylbenzene	ND		ug/kg	4.8	0.28	1
o-Chlorotoluene	ND		ug/kg	4.8	0.46	1
p-Chlorotoluene	ND		ug/kg	4.8	0.26	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	7.2	2.4	1
Hexachlorobutadiene	ND		ug/kg	9.6	0.40	1
Isopropylbenzene	ND		ug/kg	2.4	0.26	1
p-Isopropyltoluene	ND		ug/kg	2.4	0.26	1
Naphthalene	ND		ug/kg	9.6	1.6	1
Acrylonitrile	ND		ug/kg	9.6	2.8	1

**Project Name:** 266-270 W. 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047884  
**Report Date:** 11/16/20

**SAMPLE RESULTS**

Lab ID: L2047884-05  
 Client ID: SB13\_4-6  
 Sample Location: NY, NY

Date Collected: 11/02/20 13:15  
 Date Received: 11/02/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	2.4	0.41	1
1,2,3-Trichlorobenzene	ND		ug/kg	4.8	0.77	1
1,2,4-Trichlorobenzene	ND		ug/kg	4.8	0.65	1
1,3,5-Trimethylbenzene	ND		ug/kg	4.8	0.46	1
1,2,4-Trimethylbenzene	ND		ug/kg	4.8	0.80	1
1,4-Dioxane	ND		ug/kg	190	84.	1
p-Diethylbenzene	ND		ug/kg	4.8	0.42	1
p-Ethyltoluene	ND		ug/kg	4.8	0.92	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.8	0.46	1
Ethyl ether	ND		ug/kg	4.8	0.82	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	12	3.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	90		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	104		70-130

**Project Name:** 266-270 W. 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047884  
**Report Date:** 11/16/20

**SAMPLE RESULTS**

Lab ID: L2047884-06  
 Client ID: SB13\_7.5-9  
 Sample Location: NY, NY

Date Collected: 11/02/20 13:30  
 Date Received: 11/02/20  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8260C  
 Analytical Date: 11/04/20 22:08  
 Analyst: MV  
 Percent Solids: 84%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by EPA 5035 Low - Westborough Lab</b>						
Methylene chloride	ND		ug/kg	6.3	2.9	1
1,1-Dichloroethane	ND		ug/kg	1.3	0.18	1
Chloroform	ND		ug/kg	1.9	0.18	1
Carbon tetrachloride	ND		ug/kg	1.3	0.29	1
1,2-Dichloropropane	ND		ug/kg	1.3	0.16	1
Dibromochloromethane	ND		ug/kg	1.3	0.18	1
1,1,2-Trichloroethane	ND		ug/kg	1.3	0.34	1
Tetrachloroethene	ND		ug/kg	0.63	0.25	1
Chlorobenzene	ND		ug/kg	0.63	0.16	1
Trichlorofluoromethane	ND		ug/kg	5.0	0.88	1
1,2-Dichloroethane	ND		ug/kg	1.3	0.32	1
1,1,1-Trichloroethane	ND		ug/kg	0.63	0.21	1
Bromodichloromethane	ND		ug/kg	0.63	0.14	1
trans-1,3-Dichloropropene	ND		ug/kg	1.3	0.34	1
cis-1,3-Dichloropropene	ND		ug/kg	0.63	0.20	1
1,3-Dichloropropene, Total	ND		ug/kg	0.63	0.20	1
1,1-Dichloropropene	ND		ug/kg	0.63	0.20	1
Bromoform	ND		ug/kg	5.0	0.31	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.63	0.21	1
Benzene	ND		ug/kg	0.63	0.21	1
Toluene	ND		ug/kg	1.3	0.69	1
Ethylbenzene	ND		ug/kg	1.3	0.18	1
Chloromethane	ND		ug/kg	5.0	1.2	1
Bromomethane	ND		ug/kg	2.5	0.73	1
Vinyl chloride	ND		ug/kg	1.3	0.42	1
Chloroethane	ND		ug/kg	2.5	0.57	1
1,1-Dichloroethene	ND		ug/kg	1.3	0.30	1
trans-1,2-Dichloroethene	ND		ug/kg	1.9	0.17	1



**Project Name:** 266-270 W. 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047884  
**Report Date:** 11/16/20

**SAMPLE RESULTS**

**Lab ID:** L2047884-06  
**Client ID:** SB13\_7.5-9  
**Sample Location:** NY, NY

**Date Collected:** 11/02/20 13:30  
**Date Received:** 11/02/20  
**Field Prep:** Not Specified

**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatiles Organics by EPA 5035 Low - Westborough Lab</b>						
Trichloroethene	ND		ug/kg	0.63	0.17	1
1,2-Dichlorobenzene	ND		ug/kg	2.5	0.18	1
1,3-Dichlorobenzene	ND		ug/kg	2.5	0.19	1
1,4-Dichlorobenzene	ND		ug/kg	2.5	0.22	1
Methyl tert butyl ether	ND		ug/kg	2.5	0.25	1
p/m-Xylene	ND		ug/kg	2.5	0.71	1
o-Xylene	ND		ug/kg	1.3	0.37	1
Xylenes, Total	ND		ug/kg	1.3	0.37	1
cis-1,2-Dichloroethene	ND		ug/kg	1.3	0.22	1
1,2-Dichloroethene, Total	ND		ug/kg	1.3	0.17	1
Dibromomethane	ND		ug/kg	2.5	0.30	1
Styrene	ND		ug/kg	1.3	0.25	1
Dichlorodifluoromethane	ND		ug/kg	13	1.2	1
Acetone	ND		ug/kg	13	6.1	1
Carbon disulfide	ND		ug/kg	13	5.8	1
2-Butanone	ND		ug/kg	13	2.8	1
Vinyl acetate	ND		ug/kg	13	2.7	1
4-Methyl-2-pentanone	ND		ug/kg	13	1.6	1
1,2,3-Trichloropropane	ND		ug/kg	2.5	0.16	1
2-Hexanone	ND		ug/kg	13	1.5	1
Bromochloromethane	ND		ug/kg	2.5	0.26	1
2,2-Dichloropropane	ND		ug/kg	2.5	0.26	1
1,2-Dibromoethane	ND		ug/kg	1.3	0.35	1
1,3-Dichloropropane	ND		ug/kg	2.5	0.21	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.63	0.17	1
Bromobenzene	ND		ug/kg	2.5	0.18	1
n-Butylbenzene	ND		ug/kg	1.3	0.21	1
sec-Butylbenzene	ND		ug/kg	1.3	0.18	1
tert-Butylbenzene	ND		ug/kg	2.5	0.15	1
o-Chlorotoluene	ND		ug/kg	2.5	0.24	1
p-Chlorotoluene	ND		ug/kg	2.5	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.8	1.3	1
Hexachlorobutadiene	ND		ug/kg	5.0	0.21	1
Isopropylbenzene	ND		ug/kg	1.3	0.14	1
p-Isopropyltoluene	ND		ug/kg	1.3	0.14	1
Naphthalene	ND		ug/kg	5.0	0.82	1
Acrylonitrile	ND		ug/kg	5.0	1.4	1

**Project Name:** 266-270 W. 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047884  
**Report Date:** 11/16/20

**SAMPLE RESULTS**

**Lab ID:** L2047884-06  
**Client ID:** SB13\_7.5-9  
**Sample Location:** NY, NY

**Date Collected:** 11/02/20 13:30  
**Date Received:** 11/02/20  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.3	0.22	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.5	0.41	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.5	0.34	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.5	0.24	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.5	0.42	1
1,4-Dioxane	ND		ug/kg	100	44.	1
p-Diethylbenzene	ND		ug/kg	2.5	0.22	1
p-Ethyltoluene	ND		ug/kg	2.5	0.48	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.5	0.24	1
Ethyl ether	ND		ug/kg	2.5	0.43	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.3	1.8	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	104		70-130

**Project Name:** 266-270 W. 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047884  
**Report Date:** 11/16/20

**SAMPLE RESULTS**

Lab ID: L2047884-07  
 Client ID: SBDUP01\_11022020  
 Sample Location: NY, NY

Date Collected: 11/02/20 00:00  
 Date Received: 11/02/20  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8260C  
 Analytical Date: 11/04/20 22:34  
 Analyst: MV  
 Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by EPA 5035 Low - Westborough Lab</b>						
Methylene chloride	ND		ug/kg	7.2	3.3	1
1,1-Dichloroethane	ND		ug/kg	1.4	0.21	1
Chloroform	ND		ug/kg	2.2	0.20	1
Carbon tetrachloride	ND		ug/kg	1.4	0.33	1
1,2-Dichloropropane	ND		ug/kg	1.4	0.18	1
Dibromochloromethane	ND		ug/kg	1.4	0.20	1
1,1,2-Trichloroethane	ND		ug/kg	1.4	0.38	1
Tetrachloroethene	ND		ug/kg	0.72	0.28	1
Chlorobenzene	ND		ug/kg	0.72	0.18	1
Trichlorofluoromethane	ND		ug/kg	5.8	1.0	1
1,2-Dichloroethane	ND		ug/kg	1.4	0.37	1
1,1,1-Trichloroethane	ND		ug/kg	0.72	0.24	1
Bromodichloromethane	ND		ug/kg	0.72	0.16	1
trans-1,3-Dichloropropene	ND		ug/kg	1.4	0.39	1
cis-1,3-Dichloropropene	ND		ug/kg	0.72	0.23	1
1,3-Dichloropropene, Total	ND		ug/kg	0.72	0.23	1
1,1-Dichloropropene	ND		ug/kg	0.72	0.23	1
Bromoform	ND		ug/kg	5.8	0.36	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.72	0.24	1
Benzene	ND		ug/kg	0.72	0.24	1
Toluene	ND		ug/kg	1.4	0.78	1
Ethylbenzene	ND		ug/kg	1.4	0.20	1
Chloromethane	ND		ug/kg	5.8	1.3	1
Bromomethane	ND		ug/kg	2.9	0.84	1
Vinyl chloride	ND		ug/kg	1.4	0.48	1
Chloroethane	ND		ug/kg	2.9	0.65	1
1,1-Dichloroethene	ND		ug/kg	1.4	0.34	1
trans-1,2-Dichloroethene	ND		ug/kg	2.2	0.20	1

Project Name: 266-270 W. 96TH ST

Lab Number: L2047884

Project Number: 170432001

Report Date: 11/16/20

## SAMPLE RESULTS

Lab ID: L2047884-07  
 Client ID: SBDUP01\_11022020  
 Sample Location: NY, NY

Date Collected: 11/02/20 00:00  
 Date Received: 11/02/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.72	0.20	1
1,2-Dichlorobenzene	ND		ug/kg	2.9	0.21	1
1,3-Dichlorobenzene	ND		ug/kg	2.9	0.21	1
1,4-Dichlorobenzene	ND		ug/kg	2.9	0.25	1
Methyl tert butyl ether	ND		ug/kg	2.9	0.29	1
p/m-Xylene	ND		ug/kg	2.9	0.81	1
o-Xylene	ND		ug/kg	1.4	0.42	1
Xylenes, Total	ND		ug/kg	1.4	0.42	1
cis-1,2-Dichloroethene	ND		ug/kg	1.4	0.25	1
1,2-Dichloroethene, Total	ND		ug/kg	1.4	0.20	1
Dibromomethane	ND		ug/kg	2.9	0.34	1
Styrene	ND		ug/kg	1.4	0.28	1
Dichlorodifluoromethane	ND		ug/kg	14	1.3	1
Acetone	ND		ug/kg	14	6.9	1
Carbon disulfide	ND		ug/kg	14	6.6	1
2-Butanone	ND		ug/kg	14	3.2	1
Vinyl acetate	ND		ug/kg	14	3.1	1
4-Methyl-2-pentanone	ND		ug/kg	14	1.8	1
1,2,3-Trichloropropane	ND		ug/kg	2.9	0.18	1
2-Hexanone	ND		ug/kg	14	1.7	1
Bromochloromethane	ND		ug/kg	2.9	0.30	1
2,2-Dichloropropane	ND		ug/kg	2.9	0.29	1
1,2-Dibromoethane	ND		ug/kg	1.4	0.40	1
1,3-Dichloropropane	ND		ug/kg	2.9	0.24	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.72	0.19	1
Bromobenzene	ND		ug/kg	2.9	0.21	1
n-Butylbenzene	ND		ug/kg	1.4	0.24	1
sec-Butylbenzene	ND		ug/kg	1.4	0.21	1
tert-Butylbenzene	ND		ug/kg	2.9	0.17	1
o-Chlorotoluene	ND		ug/kg	2.9	0.28	1
p-Chlorotoluene	ND		ug/kg	2.9	0.16	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.3	1.4	1
Hexachlorobutadiene	ND		ug/kg	5.8	0.24	1
Isopropylbenzene	ND		ug/kg	1.4	0.16	1
p-Isopropyltoluene	ND		ug/kg	1.4	0.16	1
Naphthalene	1.1	J	ug/kg	5.8	0.94	1
Acrylonitrile	ND		ug/kg	5.8	1.7	1

**Project Name:** 266-270 W. 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047884  
**Report Date:** 11/16/20

**SAMPLE RESULTS**

Lab ID: L2047884-07  
 Client ID: SBDUP01\_11022020  
 Sample Location: NY, NY

Date Collected: 11/02/20 00:00  
 Date Received: 11/02/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.4	0.25	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.9	0.46	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.9	0.39	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.9	0.28	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.9	0.48	1
1,4-Dioxane	ND		ug/kg	120	51.	1
p-Diethylbenzene	ND		ug/kg	2.9	0.26	1
p-Ethyltoluene	ND		ug/kg	2.9	0.55	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.9	0.28	1
Ethyl ether	ND		ug/kg	2.9	0.49	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	7.2	2.0	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	104		70-130

**Project Name:** 266-270 W. 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047884  
**Report Date:** 11/16/20

**SAMPLE RESULTS**

**Lab ID:** L2047884-08  
**Client ID:** SBTB03\_11022020  
**Sample Location:** NY, NY

**Date Collected:** 11/02/20 00:00  
**Date Received:** 11/02/20  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Trip Blank (Aqueous)  
**Analytical Method:** 1,8260C  
**Analytical Date:** 11/04/20 19:48  
**Analyst:** NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

**Project Name:** 266-270 W. 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047884  
**Report Date:** 11/16/20

**SAMPLE RESULTS**

**Lab ID:** L2047884-08  
**Client ID:** SBTB03\_11022020  
**Sample Location:** NY, NY

**Date Collected:** 11/02/20 00:00  
**Date Received:** 11/02/20  
**Field Prep:** Not Specified

**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

**Project Name:** 266-270 W. 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047884  
**Report Date:** 11/16/20

**SAMPLE RESULTS**

**Lab ID:** L2047884-08  
**Client ID:** SBTB03\_11022020  
**Sample Location:** NY, NY

**Date Collected:** 11/02/20 00:00  
**Date Received:** 11/02/20  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	118		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	109		70-130



**Project Name:** 266-270 W. 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047884  
**Report Date:** 11/16/20

**SAMPLE RESULTS**

Lab ID: L2047884-10  
 Client ID: SBFB01\_11022020  
 Sample Location: NY, NY

Date Collected: 11/02/20 14:30  
 Date Received: 11/02/20  
 Field Prep: Not Specified

Sample Depth:

Matrix: Field Blank  
 Analytical Method: 1,8260C  
 Analytical Date: 11/04/20 20:09  
 Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

**Project Name:** 266-270 W. 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047884  
**Report Date:** 11/16/20

**SAMPLE RESULTS**

**Lab ID:** L2047884-10  
**Client ID:** SBFB01\_11022020  
**Sample Location:** NY, NY

**Date Collected:** 11/02/20 14:30  
**Date Received:** 11/02/20  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

**Project Name:** 266-270 W. 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047884  
**Report Date:** 11/16/20

**SAMPLE RESULTS**

Lab ID: L2047884-10  
 Client ID: SBFB01\_11022020  
 Sample Location: NY, NY

Date Collected: 11/02/20 14:30  
 Date Received: 11/02/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	107		70-130

**Project Name:** 266-270 W. 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047884  
**Report Date:** 11/16/20

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260C  
Analytical Date: 11/04/20 19:07  
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-07 Batch: WG1430543-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
1,1-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	0.58	J	ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14

**Project Name:** 266-270 W. 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047884  
**Report Date:** 11/16/20

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 1,8260C  
Analytical Date: 11/04/20 19:07  
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-07 Batch: WG1430543-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	2.0	0.24
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
o-Chlorotoluene	ND		ug/kg	2.0	0.19

**Project Name:** 266-270 W. 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047884  
**Report Date:** 11/16/20

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 1,8260C  
Analytical Date: 11/04/20 19:07  
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-07 Batch: WG1430543-5					
p-Chlorotoluene	ND		ug/kg	2.0	0.11
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	0.19	J	ug/kg	4.0	0.17
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
Acrylonitrile	ND		ug/kg	4.0	1.2
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	0.43	J	ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	0.27	J	ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
1,4-Dioxane	ND		ug/kg	80	35.
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	101		70-130

**Project Name:** 266-270 W. 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047884  
**Report Date:** 11/16/20

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260C  
Analytical Date: 11/04/20 18:36  
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 08,10 Batch: WG1430878-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18

**Project Name:** 266-270 W. 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047884  
**Report Date:** 11/16/20

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260C  
Analytical Date: 11/04/20 18:36  
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 08,10 Batch: WG1430878-5					
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70



**Project Name:** 266-270 W. 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047884  
**Report Date:** 11/16/20

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 1,8260C  
Analytical Date: 11/04/20 18:36  
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 08,10 Batch: WG1430878-5					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	61.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	115		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	105		70-130

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 266-270 W. 96TH ST

Lab Number: L2047884

Project Number: 170432001

Report Date: 11/16/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-07 Batch: WG1430543-3 WG1430543-4								
Methylene chloride	110		108		70-130	2		30
1,1-Dichloroethane	111		108		70-130	3		30
Chloroform	119		117		70-130	2		30
Carbon tetrachloride	113		111		70-130	2		30
1,2-Dichloropropane	109		108		70-130	1		30
Dibromochloromethane	96		99		70-130	3		30
1,1,2-Trichloroethane	93		92		70-130	1		30
Tetrachloroethene	101		100		70-130	1		30
Chlorobenzene	102		102		70-130	0		30
Trichlorofluoromethane	143	Q	133		70-139	7		30
1,2-Dichloroethane	114		113		70-130	1		30
1,1,1-Trichloroethane	111		109		70-130	2		30
Bromodichloromethane	104		105		70-130	1		30
trans-1,3-Dichloropropene	94		95		70-130	1		30
cis-1,3-Dichloropropene	110		111		70-130	1		30
1,1-Dichloropropene	114		113		70-130	1		30
Bromoform	85		86		70-130	1		30
1,1,2,2-Tetrachloroethane	85		85		70-130	0		30
Benzene	117		114		70-130	3		30
Toluene	100		100		70-130	0		30
Ethylbenzene	99		98		70-130	1		30
Chloromethane	91		85		52-130	7		30
Bromomethane	220	Q	200	Q	57-147	10		30

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 266-270 W. 96TH ST

Lab Number: L2047884

Project Number: 170432001

Report Date: 11/16/20

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-07 Batch: WG1430543-3 WG1430543-4								
Vinyl chloride	121		109		67-130	10		30
Chloroethane	149		138		50-151	8		30
1,1-Dichloroethene	105		103		65-135	2		30
trans-1,2-Dichloroethene	117		113		70-130	3		30
Trichloroethene	115		113		70-130	2		30
1,2-Dichlorobenzene	97		96		70-130	1		30
1,3-Dichlorobenzene	98		96		70-130	2		30
1,4-Dichlorobenzene	98		96		70-130	2		30
Methyl tert butyl ether	109		108		66-130	1		30
p/m-Xylene	103		101		70-130	2		30
o-Xylene	103		100		70-130	3		30
cis-1,2-Dichloroethene	118		116		70-130	2		30
Dibromomethane	118		118		70-130	0		30
Styrene	101		100		70-130	1		30
Dichlorodifluoromethane	77		74		30-146	4		30
Acetone	98		100		54-140	2		30
Carbon disulfide	100		97		59-130	3		30
2-Butanone	93		93		70-130	0		30
Vinyl acetate	96		95		70-130	1		30
4-Methyl-2-pentanone	77		79		70-130	3		30
1,2,3-Trichloropropane	90		87		68-130	3		30
2-Hexanone	<b>67</b>	Q	<b>68</b>	Q	70-130	1		30
Bromochloromethane	125		123		70-130	2		30

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 266-270 W. 96TH ST

Project Number: 170432001

Lab Number: L2047884

Report Date: 11/16/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-07 Batch: WG1430543-3 WG1430543-4								
2,2-Dichloropropane	110		107		70-130	3		30
1,2-Dibromoethane	100		103		70-130	3		30
1,3-Dichloropropane	100		100		69-130	0		30
1,1,1,2-Tetrachloroethane	99		100		70-130	1		30
Bromobenzene	96		94		70-130	2		30
n-Butylbenzene	92		89		70-130	3		30
sec-Butylbenzene	92		90		70-130	2		30
tert-Butylbenzene	92		90		70-130	2		30
o-Chlorotoluene	92		90		70-130	2		30
p-Chlorotoluene	93		91		70-130	2		30
1,2-Dibromo-3-chloropropane	82		86		68-130	5		30
Hexachlorobutadiene	88		85		67-130	3		30
Isopropylbenzene	92		90		70-130	2		30
p-Isopropyltoluene	93		90		70-130	3		30
Naphthalene	91		92		70-130	1		30
Acrylonitrile	98		98		70-130	0		30
n-Propylbenzene	92		89		70-130	3		30
1,2,3-Trichlorobenzene	96		95		70-130	1		30
1,2,4-Trichlorobenzene	96		94		70-130	2		30
1,3,5-Trimethylbenzene	94		91		70-130	3		30
1,2,4-Trimethylbenzene	94		92		70-130	2		30
1,4-Dioxane	112		114		65-136	2		30
p-Diethylbenzene	93		91		70-130	2		30

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 266-270 W. 96TH ST

Project Number: 170432001

Lab Number: L2047884

Report Date: 11/16/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-07 Batch: WG1430543-3 WG1430543-4								
p-Ethyltoluene	95		92		70-130	3		30
1,2,4,5-Tetramethylbenzene	93		91		70-130	2		30
Ethyl ether	145	Q	140	Q	67-130	4		30
trans-1,4-Dichloro-2-butene	79		76		70-130	4		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	95		95		70-130
Toluene-d8	91		90		70-130
4-Bromofluorobenzene	93		90		70-130
Dibromofluoromethane	104		104		70-130

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 266-270 W. 96TH ST

Project Number: 170432001

Lab Number: L2047884

Report Date: 11/16/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 08,10 Batch: WG1430878-3 WG1430878-4								
Methylene chloride	84		88		70-130	5		20
1,1-Dichloroethane	86		94		70-130	9		20
Chloroform	85		97		70-130	13		20
Carbon tetrachloride	88		97		63-132	10		20
1,2-Dichloropropane	84		91		70-130	8		20
Dibromochloromethane	88		95		63-130	8		20
1,1,2-Trichloroethane	90		94		70-130	4		20
Tetrachloroethene	85		93		70-130	9		20
Chlorobenzene	86		95		75-130	10		20
Trichlorofluoromethane	100		110		62-150	10		20
1,2-Dichloroethane	92		99		70-130	7		20
1,1,1-Trichloroethane	87		97		67-130	11		20
Bromodichloromethane	89		97		67-130	9		20
trans-1,3-Dichloropropene	85		96		70-130	12		20
cis-1,3-Dichloropropene	85		90		70-130	6		20
1,1-Dichloropropene	82		94		70-130	14		20
Bromoform	86		88		54-136	2		20
1,1,2,2-Tetrachloroethane	89		92		67-130	3		20
Benzene	82		94		70-130	14		20
Toluene	83		96		70-130	15		20
Ethylbenzene	88		98		70-130	11		20
Chloromethane	87		93		64-130	7		20
Bromomethane	89		95		39-139	7		20

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 266-270 W. 96TH ST

Lab Number: L2047884

Project Number: 170432001

Report Date: 11/16/20

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 08,10 Batch: WG1430878-3 WG1430878-4								
Vinyl chloride	88		94		55-140	7		20
Chloroethane	100		120		55-138	18		20
1,1-Dichloroethene	82		89		61-145	8		20
trans-1,2-Dichloroethene	82		90		70-130	9		20
Trichloroethene	83		91		70-130	9		20
1,2-Dichlorobenzene	86		93		70-130	8		20
1,3-Dichlorobenzene	88		92		70-130	4		20
1,4-Dichlorobenzene	84		91		70-130	8		20
Methyl tert butyl ether	86		86		63-130	0		20
p/m-Xylene	90		100		70-130	11		20
o-Xylene	85		100		70-130	16		20
cis-1,2-Dichloroethene	82		91		70-130	10		20
Dibromomethane	89		94		70-130	5		20
1,2,3-Trichloropropane	90		94		64-130	4		20
Acrylonitrile	92		88		70-130	4		20
Styrene	90		105		70-130	15		20
Dichlorodifluoromethane	81		91		36-147	12		20
Acetone	92		87		58-148	6		20
Carbon disulfide	83		94		51-130	12		20
2-Butanone	90		88		63-138	2		20
Vinyl acetate	83		86		70-130	4		20
4-Methyl-2-pentanone	81		86		59-130	6		20
2-Hexanone	80		79		57-130	1		20

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 266-270 W. 96TH ST

Project Number: 170432001

Lab Number: L2047884

Report Date: 11/16/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 08,10 Batch: WG1430878-3 WG1430878-4								
Bromochloromethane	88		92		70-130	4		20
2,2-Dichloropropane	92		100		63-133	8		20
1,2-Dibromoethane	89		94		70-130	5		20
1,3-Dichloropropane	89		95		70-130	7		20
1,1,1,2-Tetrachloroethane	86		94		64-130	9		20
Bromobenzene	86		92		70-130	7		20
n-Butylbenzene	92		99		53-136	7		20
sec-Butylbenzene	93		100		70-130	7		20
tert-Butylbenzene	77		84		70-130	9		20
o-Chlorotoluene	93		100		70-130	7		20
p-Chlorotoluene	90		98		70-130	9		20
1,2-Dibromo-3-chloropropane	74		72		41-144	3		20
Hexachlorobutadiene	85		91		63-130	7		20
Isopropylbenzene	92		99		70-130	7		20
p-Isopropyltoluene	91		98		70-130	7		20
Naphthalene	62	Q	62	Q	70-130	0		20
n-Propylbenzene	91		99		69-130	8		20
1,2,3-Trichlorobenzene	67	Q	70		70-130	4		20
1,2,4-Trichlorobenzene	74		77		70-130	4		20
1,3,5-Trimethylbenzene	92		100		64-130	8		20
1,2,4-Trimethylbenzene	92		100		70-130	8		20
1,4-Dioxane	88		84		56-162	5		20
p-Diethylbenzene	89		94		70-130	5		20



## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 266-270 W. 96TH ST

Project Number: 170432001

Lab Number: L2047884

Report Date: 11/16/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 08,10 Batch: WG1430878-3 WG1430878-4								
p-Ethyltoluene	91		99		70-130	8		20
1,2,4,5-Tetramethylbenzene	82		88		70-130	7		20
Ethyl ether	85		86		59-134	1		20
trans-1,4-Dichloro-2-butene	85		86		70-130	1		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	112		106		70-130
Toluene-d8	98		100		70-130
4-Bromofluorobenzene	103		102		70-130
Dibromofluoromethane	101		100		70-130

# SEMIVOLATILES

**Project Name:** 266-270 W. 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047884  
**Report Date:** 11/16/20

**SAMPLE RESULTS**

Lab ID: L2047884-01  
 Client ID: SB12\_0-1  
 Sample Location: NY, NY

Date Collected: 11/02/20 09:30  
 Date Received: 11/02/20  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270D  
 Analytical Date: 11/04/20 07:41  
 Analyst: JG  
 Percent Solids: 87%

Extraction Method: EPA 3546  
 Extraction Date: 11/03/20 10:03

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Acenaphthene	670		ug/kg	150	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	21.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	25.	1
2-Chloronaphthalene	ND		ug/kg	190	19.	1
1,2-Dichlorobenzene	ND		ug/kg	190	34.	1
1,3-Dichlorobenzene	ND		ug/kg	190	32.	1
1,4-Dichlorobenzene	ND		ug/kg	190	33.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	50.	1
2,4-Dinitrotoluene	ND		ug/kg	190	38.	1
2,6-Dinitrotoluene	ND		ug/kg	190	32.	1
Fluoranthene	4900		ug/kg	110	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	29.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	32.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	19.	1
Hexachlorobutadiene	ND		ug/kg	190	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	540	170	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	170	24.	1
Naphthalene	370		ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	29.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	65.	1
Butyl benzyl phthalate	ND		ug/kg	190	47.	1
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	64.	1

**Project Name:** 266-270 W. 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047884  
**Report Date:** 11/16/20

**SAMPLE RESULTS**

**Lab ID:** L2047884-01  
**Client ID:** SB12\_0-1  
**Sample Location:** NY, NY

**Date Collected:** 11/02/20 09:30  
**Date Received:** 11/02/20  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Diethyl phthalate	ND		ug/kg	190	17.	1
Dimethyl phthalate	ND		ug/kg	190	39.	1
Benzo(a)anthracene	3800		ug/kg	110	21.	1
Benzo(a)pyrene	3400		ug/kg	150	46.	1
Benzo(b)fluoranthene	3900		ug/kg	110	32.	1
Benzo(k)fluoranthene	990		ug/kg	110	30.	1
Chrysene	2900		ug/kg	110	20.	1
Acenaphthylene	190		ug/kg	150	29.	1
Anthracene	1600		ug/kg	110	36.	1
Benzo(ghi)perylene	2000		ug/kg	150	22.	1
Fluorene	640		ug/kg	190	18.	1
Phenanthrene	5200		ug/kg	110	23.	1
Dibenzo(a,h)anthracene	590		ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	2000		ug/kg	150	26.	1
Pyrene	5400		ug/kg	110	19.	1
Biphenyl	76	J	ug/kg	430	44.	1
4-Chloroaniline	ND		ug/kg	190	34.	1
2-Nitroaniline	ND		ug/kg	190	36.	1
3-Nitroaniline	ND		ug/kg	190	35.	1
4-Nitroaniline	ND		ug/kg	190	78.	1
Dibenzofuran	220		ug/kg	190	18.	1
2-Methylnaphthalene	240		ug/kg	220	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	36.	1
p-Chloro-m-cresol	ND		ug/kg	190	28.	1
2-Chlorophenol	ND		ug/kg	190	22.	1
2,4-Dichlorophenol	ND		ug/kg	170	30.	1
2,4-Dimethylphenol	ND		ug/kg	190	62.	1
2-Nitrophenol	ND		ug/kg	400	70.	1
4-Nitrophenol	ND		ug/kg	260	76.	1
2,4-Dinitrophenol	ND		ug/kg	900	87.	1
4,6-Dinitro-o-cresol	ND		ug/kg	490	90.	1
Pentachlorophenol	ND		ug/kg	150	41.	1
Phenol	ND		ug/kg	190	28.	1
2-Methylphenol	ND		ug/kg	190	29.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	29.	1

**Project Name:** 266-270 W. 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047884  
**Report Date:** 11/16/20

**SAMPLE RESULTS**

Lab ID: L2047884-01  
 Client ID: SB12\_0-1  
 Sample Location: NY, NY

Date Collected: 11/02/20 09:30  
 Date Received: 11/02/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	190	36.	1
Benzoic Acid	ND		ug/kg	610	190	1
Benzyl Alcohol	ND		ug/kg	190	57.	1
Carbazole	410		ug/kg	190	18.	1
1,4-Dioxane	ND		ug/kg	28	8.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	61		25-120
Phenol-d6	65		10-120
Nitrobenzene-d5	65		23-120
2-Fluorobiphenyl	71		30-120
2,4,6-Tribromophenol	65		10-136
4-Terphenyl-d14	66		18-120

**Project Name:** 266-270 W. 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047884  
**Report Date:** 11/16/20

**SAMPLE RESULTS**

**Lab ID:** L2047884-01  
**Client ID:** SB12\_0-1  
**Sample Location:** NY, NY

**Date Collected:** 11/02/20 09:30  
**Date Received:** 11/02/20  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 11/08/20 04:52  
**Analyst:** SG  
**Percent Solids:** 87%

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 11/06/20 10:34

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab</b>						
Perfluorobutanoic Acid (PFBA)	0.286	J	ug/kg	0.525	0.024	1
Perfluoropentanoic Acid (PFPeA)	0.074	J	ug/kg	0.525	0.048	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ug/kg	0.525	0.041	1
Perfluorohexanoic Acid (PFHxA)	0.087	JF	ug/kg	0.525	0.055	1
Perfluoroheptanoic Acid (PFHpA)	ND		ug/kg	0.525	0.047	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ug/kg	0.525	0.064	1
Perfluorooctanoic Acid (PFOA)	0.177	JF	ug/kg	0.525	0.044	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ug/kg	0.525	0.188	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ug/kg	0.525	0.143	1
Perfluorononanoic Acid (PFNA)	0.081	J	ug/kg	0.525	0.079	1
Perfluorooctanesulfonic Acid (PFOS)	0.820	F	ug/kg	0.525	0.136	1
Perfluorodecanoic Acid (PFDA)	ND		ug/kg	0.525	0.070	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ug/kg	0.525	0.301	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ug/kg	0.525	0.212	1
Perfluoroundecanoic Acid (PFUnA)	ND		ug/kg	0.525	0.049	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ug/kg	0.525	0.161	1
Perfluorooctanesulfonamide (FOSA)	ND		ug/kg	0.525	0.103	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ug/kg	0.525	0.089	1
Perfluorododecanoic Acid (PFDoA)	ND		ug/kg	0.525	0.074	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ug/kg	0.525	0.215	1
Perfluorotetradecanoic Acid (PFTA)	ND		ug/kg	0.525	0.057	1
PFOA/PFOS, Total	0.997	J	ug/kg	0.525	0.044	1

**Project Name:** 266-270 W. 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047884  
**Report Date:** 11/16/20

**SAMPLE RESULTS**

Lab ID: L2047884-01  
 Client ID: SB12\_0-1  
 Sample Location: NY, NY

Date Collected: 11/02/20 09:30  
 Date Received: 11/02/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	90		60-153
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	91		65-182
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	96		70-151
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	87		61-147
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	92		62-149
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	107		63-166
Perfluoro[13C8]Octanoic Acid (M8PFOA)	89		62-152
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	85		32-182
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	83		61-154
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	92		65-151
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	90		65-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	118		25-186
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	52		45-137
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	99		64-158
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	24		1-125
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	65		42-136
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	88		56-148
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	65		26-160

**Project Name:** 266-270 W. 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047884  
**Report Date:** 11/16/20

**SAMPLE RESULTS**

Lab ID: L2047884-02  
 Client ID: SB12\_3.5-5  
 Sample Location: NY, NY

Date Collected: 11/02/20 09:10  
 Date Received: 11/02/20  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270D  
 Analytical Date: 11/04/20 04:42  
 Analyst: JG  
 Percent Solids: 87%

Extraction Method: EPA 3546  
 Extraction Date: 11/03/20 10:03

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Acenaphthene	38	J	ug/kg	150	20.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	22.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	26.	1
2-Chloronaphthalene	ND		ug/kg	190	19.	1
1,2-Dichlorobenzene	ND		ug/kg	190	34.	1
1,3-Dichlorobenzene	ND		ug/kg	190	33.	1
1,4-Dichlorobenzene	ND		ug/kg	190	33.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	50.	1
2,4-Dinitrotoluene	ND		ug/kg	190	38.	1
2,6-Dinitrotoluene	ND		ug/kg	190	33.	1
Fluoranthene	330		ug/kg	110	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	29.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	32.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	19.	1
Hexachlorobutadiene	ND		ug/kg	190	28.	1
Hexachlorocyclopentadiene	ND		ug/kg	540	170	1
Hexachloroethane	ND		ug/kg	150	31.	1
Isophorone	ND		ug/kg	170	25.	1
Naphthalene	59	J	ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	29.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	66.	1
Butyl benzyl phthalate	ND		ug/kg	190	48.	1
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	65.	1



**Project Name:** 266-270 W. 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047884  
**Report Date:** 11/16/20

**SAMPLE RESULTS**

**Lab ID:** L2047884-02  
**Client ID:** SB12\_3.5-5  
**Sample Location:** NY, NY

**Date Collected:** 11/02/20 09:10  
**Date Received:** 11/02/20  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Diethyl phthalate	ND		ug/kg	190	18.	1
Dimethyl phthalate	ND		ug/kg	190	40.	1
Benzo(a)anthracene	150		ug/kg	110	21.	1
Benzo(a)pyrene	120	J	ug/kg	150	46.	1
Benzo(b)fluoranthene	140		ug/kg	110	32.	1
Benzo(k)fluoranthene	55	J	ug/kg	110	30.	1
Chrysene	140		ug/kg	110	20.	1
Acenaphthylene	ND		ug/kg	150	29.	1
Anthracene	90	J	ug/kg	110	37.	1
Benzo(ghi)perylene	56	J	ug/kg	150	22.	1
Fluorene	34	J	ug/kg	190	18.	1
Phenanthrene	370		ug/kg	110	23.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	62	J	ug/kg	150	26.	1
Pyrene	270		ug/kg	110	19.	1
Biphenyl	ND		ug/kg	430	44.	1
4-Chloroaniline	ND		ug/kg	190	35.	1
2-Nitroaniline	ND		ug/kg	190	37.	1
3-Nitroaniline	ND		ug/kg	190	36.	1
4-Nitroaniline	ND		ug/kg	190	79.	1
Dibenzofuran	41	J	ug/kg	190	18.	1
2-Methylnaphthalene	44	J	ug/kg	230	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	24.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	36.	1
p-Chloro-m-cresol	ND		ug/kg	190	28.	1
2-Chlorophenol	ND		ug/kg	190	22.	1
2,4-Dichlorophenol	ND		ug/kg	170	30.	1
2,4-Dimethylphenol	ND		ug/kg	190	63.	1
2-Nitrophenol	ND		ug/kg	410	72.	1
4-Nitrophenol	ND		ug/kg	270	78.	1
2,4-Dinitrophenol	ND		ug/kg	910	89.	1
4,6-Dinitro-o-cresol	ND		ug/kg	490	91.	1
Pentachlorophenol	ND		ug/kg	150	42.	1
Phenol	ND		ug/kg	190	29.	1
2-Methylphenol	ND		ug/kg	190	29.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	30.	1

**Project Name:** 266-270 W. 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047884  
**Report Date:** 11/16/20

**SAMPLE RESULTS**

Lab ID: L2047884-02  
 Client ID: SB12\_3.5-5  
 Sample Location: NY, NY

Date Collected: 11/02/20 09:10  
 Date Received: 11/02/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
2,4,5-Trichlorophenol	ND		ug/kg	190	36.	1
Benzoic Acid	ND		ug/kg	620	190	1
Benzyl Alcohol	ND		ug/kg	190	58.	1
Carbazole	48	J	ug/kg	190	18.	1
1,4-Dioxane	ND		ug/kg	28	8.7	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	59		25-120
Phenol-d6	60		10-120
Nitrobenzene-d5	59		23-120
2-Fluorobiphenyl	71		30-120
2,4,6-Tribromophenol	94		10-136
4-Terphenyl-d14	77		18-120

**Project Name:** 266-270 W. 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047884  
**Report Date:** 11/16/20

**SAMPLE RESULTS**

Lab ID: L2047884-02  
 Client ID: SB12\_3.5-5  
 Sample Location: NY, NY

Date Collected: 11/02/20 09:10  
 Date Received: 11/02/20  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 134,LCMSMS-ID  
 Analytical Date: 11/08/20 05:09  
 Analyst: SG  
 Percent Solids: 87%

Extraction Method: ALPHA 23528  
 Extraction Date: 11/06/20 10:34

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab</b>						
Perfluorobutanoic Acid (PFBA)	ND		ug/kg	0.558	0.025	1
Perfluoropentanoic Acid (PFPeA)	ND		ug/kg	0.558	0.051	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ug/kg	0.558	0.044	1
Perfluorohexanoic Acid (PFHxA)	ND		ug/kg	0.558	0.059	1
Perfluoroheptanoic Acid (PFHpA)	ND		ug/kg	0.558	0.050	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ug/kg	0.558	0.068	1
Perfluorooctanoic Acid (PFOA)	ND		ug/kg	0.558	0.047	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ug/kg	0.558	0.200	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ug/kg	0.558	0.152	1
Perfluorononanoic Acid (PFNA)	ND		ug/kg	0.558	0.084	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ug/kg	0.558	0.145	1
Perfluorodecanoic Acid (PFDA)	ND		ug/kg	0.558	0.075	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ug/kg	0.558	0.320	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ug/kg	0.558	0.225	1
Perfluoroundecanoic Acid (PFUnA)	ND		ug/kg	0.558	0.052	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ug/kg	0.558	0.171	1
Perfluorooctanesulfonamide (FOSA)	ND		ug/kg	0.558	0.109	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ug/kg	0.558	0.094	1
Perfluorododecanoic Acid (PFDoA)	ND		ug/kg	0.558	0.078	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ug/kg	0.558	0.228	1
Perfluorotetradecanoic Acid (PFTA)	ND		ug/kg	0.558	0.060	1
PFOA/PFOS, Total	ND		ug/kg	0.558	0.047	1

**Project Name:** 266-270 W. 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047884  
**Report Date:** 11/16/20

**SAMPLE RESULTS**

Lab ID: L2047884-02  
 Client ID: SB12\_3.5-5  
 Sample Location: NY, NY

Date Collected: 11/02/20 09:10  
 Date Received: 11/02/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	88		60-153
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	89		65-182
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	94		70-151
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	84		61-147
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	90		62-149
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	104		63-166
Perfluoro[13C8]Octanoic Acid (M8PFOA)	89		62-152
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	87		32-182
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	82		61-154
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	98		65-151
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	90		65-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	112		25-186
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	31	Q	45-137
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	97		64-158
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	22		1-125
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	41	Q	42-136
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	82		56-148
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	52		26-160

**Project Name:** 266-270 W. 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047884  
**Report Date:** 11/16/20

**SAMPLE RESULTS**

Lab ID: L2047884-03  
 Client ID: SB12\_11-12.5  
 Sample Location: NY, NY

Date Collected: 11/02/20 10:00  
 Date Received: 11/02/20  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270D  
 Analytical Date: 11/04/20 04:19  
 Analyst: JG  
 Percent Solids: 86%

Extraction Method: EPA 3546  
 Extraction Date: 11/03/20 10:03

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Acenaphthene	ND		ug/kg	160	20.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	22.	1
Hexachlorobenzene	ND		ug/kg	120	22.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	26.	1
2-Chloronaphthalene	ND		ug/kg	190	19.	1
1,2-Dichlorobenzene	ND		ug/kg	190	35.	1
1,3-Dichlorobenzene	ND		ug/kg	190	33.	1
1,4-Dichlorobenzene	ND		ug/kg	190	34.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	52.	1
2,4-Dinitrotoluene	ND		ug/kg	190	39.	1
2,6-Dinitrotoluene	ND		ug/kg	190	33.	1
Fluoranthene	ND		ug/kg	120	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	21.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	30.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	33.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	19.	1
Hexachlorobutadiene	ND		ug/kg	190	28.	1
Hexachlorocyclopentadiene	ND		ug/kg	550	180	1
Hexachloroethane	ND		ug/kg	160	31.	1
Isophorone	ND		ug/kg	170	25.	1
Naphthalene	ND		ug/kg	190	24.	1
Nitrobenzene	ND		ug/kg	170	29.	1
NDPA/DPA	ND		ug/kg	160	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	30.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	67.	1
Butyl benzyl phthalate	ND		ug/kg	190	49.	1
Di-n-butylphthalate	ND		ug/kg	190	37.	1
Di-n-octylphthalate	ND		ug/kg	190	66.	1

**Project Name:** 266-270 W. 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047884  
**Report Date:** 11/16/20

**SAMPLE RESULTS**

**Lab ID:** L2047884-03  
**Client ID:** SB12\_11-12.5  
**Sample Location:** NY, NY

**Date Collected:** 11/02/20 10:00  
**Date Received:** 11/02/20  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Diethyl phthalate	ND		ug/kg	190	18.	1
Dimethyl phthalate	ND		ug/kg	190	41.	1
Benzo(a)anthracene	ND		ug/kg	120	22.	1
Benzo(a)pyrene	ND		ug/kg	160	47.	1
Benzo(b)fluoranthene	ND		ug/kg	120	33.	1
Benzo(k)fluoranthene	ND		ug/kg	120	31.	1
Chrysene	ND		ug/kg	120	20.	1
Acenaphthylene	ND		ug/kg	160	30.	1
Anthracene	ND		ug/kg	120	38.	1
Benzo(ghi)perylene	ND		ug/kg	160	23.	1
Fluorene	ND		ug/kg	190	19.	1
Phenanthrene	ND		ug/kg	120	24.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	22.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	160	27.	1
Pyrene	ND		ug/kg	120	19.	1
Biphenyl	ND		ug/kg	440	45.	1
4-Chloroaniline	ND		ug/kg	190	35.	1
2-Nitroaniline	ND		ug/kg	190	37.	1
3-Nitroaniline	ND		ug/kg	190	36.	1
4-Nitroaniline	ND		ug/kg	190	80.	1
Dibenzofuran	ND		ug/kg	190	18.	1
2-Methylnaphthalene	ND		ug/kg	230	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	24.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	37.	1
p-Chloro-m-cresol	ND		ug/kg	190	29.	1
2-Chlorophenol	ND		ug/kg	190	23.	1
2,4-Dichlorophenol	ND		ug/kg	170	31.	1
2,4-Dimethylphenol	ND		ug/kg	190	64.	1
2-Nitrophenol	ND		ug/kg	420	73.	1
4-Nitrophenol	ND		ug/kg	270	79.	1
2,4-Dinitrophenol	ND		ug/kg	930	90.	1
4,6-Dinitro-o-cresol	ND		ug/kg	500	93.	1
Pentachlorophenol	ND		ug/kg	160	43.	1
Phenol	ND		ug/kg	190	29.	1
2-Methylphenol	ND		ug/kg	190	30.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	30.	1

**Project Name:** 266-270 W. 96TH ST**Lab Number:** L2047884**Project Number:** 170432001**Report Date:** 11/16/20**SAMPLE RESULTS**

Lab ID: L2047884-03

Date Collected: 11/02/20 10:00

Client ID: SB12\_11-12.5

Date Received: 11/02/20

Sample Location: NY, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
2,4,5-Trichlorophenol	ND		ug/kg	190	37.	1
Benzoic Acid	ND		ug/kg	630	200	1
Benzyl Alcohol	ND		ug/kg	190	59.	1
Carbazole	ND		ug/kg	190	19.	1
1,4-Dioxane	ND		ug/kg	29	8.9	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	62		25-120
Phenol-d6	60		10-120
Nitrobenzene-d5	59		23-120
2-Fluorobiphenyl	70		30-120
2,4,6-Tribromophenol	89		10-136
4-Terphenyl-d14	83		18-120

**Project Name:** 266-270 W. 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047884  
**Report Date:** 11/16/20

**SAMPLE RESULTS**

**Lab ID:** L2047884-03  
**Client ID:** SB12\_11-12.5  
**Sample Location:** NY, NY

**Date Collected:** 11/02/20 10:00  
**Date Received:** 11/02/20  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 11/08/20 05:25  
**Analyst:** SG  
**Percent Solids:** 86%

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 11/06/20 10:34

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab</b>						
Perfluorobutanoic Acid (PFBA)	0.036	J	ug/kg	0.564	0.026	1
Perfluoropentanoic Acid (PFPeA)	0.095	J	ug/kg	0.564	0.052	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ug/kg	0.564	0.044	1
Perfluorohexanoic Acid (PFHxA)	0.143	JF	ug/kg	0.564	0.059	1
Perfluoroheptanoic Acid (PFHpA)	0.054	J	ug/kg	0.564	0.051	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ug/kg	0.564	0.068	1
Perfluorooctanoic Acid (PFOA)	0.152	JF	ug/kg	0.564	0.047	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ug/kg	0.564	0.203	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ug/kg	0.564	0.154	1
Perfluorononanoic Acid (PFNA)	ND		ug/kg	0.564	0.085	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ug/kg	0.564	0.147	1
Perfluorodecanoic Acid (PFDA)	ND		ug/kg	0.564	0.076	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ug/kg	0.564	0.324	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ug/kg	0.564	0.227	1
Perfluoroundecanoic Acid (PFUnA)	0.129	J	ug/kg	0.564	0.053	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ug/kg	0.564	0.173	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ug/kg	0.564	0.095	1
Perfluorododecanoic Acid (PFDoA)	ND		ug/kg	0.564	0.079	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ug/kg	0.564	0.231	1
Perfluorotetradecanoic Acid (PFTTA)	ND		ug/kg	0.564	0.061	1
PFOA/PFOS, Total	0.152	J	ug/kg	0.564	0.047	1



**Project Name:** 266-270 W. 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047884  
**Report Date:** 11/16/20

**SAMPLE RESULTS**

Lab ID: L2047884-03  
 Client ID: SB12\_11-12.5  
 Sample Location: NY, NY

Date Collected: 11/02/20 10:00  
 Date Received: 11/02/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	80		60-153
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	81		65-182
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	89		70-151
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	79		61-147
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	85		62-149
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	96		63-166
Perfluoro[13C8]Octanoic Acid (M8PFOA)	83		62-152
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	82		32-182
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	77		61-154
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	89		65-151
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	81		65-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	97		25-186
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	<b>27</b>	Q	45-137
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	88		64-158
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	<b>30</b>	Q	42-136
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	75		56-148
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	32		26-160

**Project Name:** 266-270 W. 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047884  
**Report Date:** 11/16/20

**SAMPLE RESULTS**

Lab ID: L2047884-03  
 Client ID: SB12\_11-12.5  
 Sample Location: NY, NY

Date Collected: 11/02/20 10:00  
 Date Received: 11/02/20  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 134,LCMSMS-ID  
 Analytical Date: 11/11/20 12:21  
 Analyst: RS  
 Percent Solids: 86%

Extraction Method: ALPHA 23528  
 Extraction Date: 11/06/20 10:34

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab</b>						
Perfluorooctanesulfonamide (FOSA)	ND		ug/kg	0.564	0.111	1
<b>Surrogate (Extracted Internal Standard)</b>			<b>% Recovery</b>	<b>Qualifier</b>	<b>Acceptance Criteria</b>	
Perfluoro[13C8]Octanesulfonamide (M8FOSA)			109		1-125	

**Project Name:** 266-270 W. 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047884  
**Report Date:** 11/16/20

**SAMPLE RESULTS**

Lab ID: L2047884-04  
 Client ID: SB13\_0-1.5  
 Sample Location: NY, NY

Date Collected: 11/02/20 12:50  
 Date Received: 11/02/20  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270D  
 Analytical Date: 11/04/20 08:48  
 Analyst: JG  
 Percent Solids: 87%

Extraction Method: EPA 3546  
 Extraction Date: 11/03/20 10:03

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Acenaphthene	290		ug/kg	150	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	21.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	25.	1
2-Chloronaphthalene	ND		ug/kg	190	19.	1
1,2-Dichlorobenzene	ND		ug/kg	190	34.	1
1,3-Dichlorobenzene	ND		ug/kg	190	32.	1
1,4-Dichlorobenzene	ND		ug/kg	190	33.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	50.	1
2,4-Dinitrotoluene	ND		ug/kg	190	38.	1
2,6-Dinitrotoluene	ND		ug/kg	190	32.	1
Fluoranthene	5000		ug/kg	110	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	29.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	32.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	19.	1
Hexachlorobutadiene	ND		ug/kg	190	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	540	170	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	170	24.	1
Naphthalene	82	J	ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	29.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	65.	1
Butyl benzyl phthalate	ND		ug/kg	190	47.	1
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	64.	1

**Project Name:** 266-270 W. 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047884  
**Report Date:** 11/16/20

**SAMPLE RESULTS**

**Lab ID:** L2047884-04  
**Client ID:** SB13\_0-1.5  
**Sample Location:** NY, NY

**Date Collected:** 11/02/20 12:50  
**Date Received:** 11/02/20  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Diethyl phthalate	ND		ug/kg	190	17.	1
Dimethyl phthalate	ND		ug/kg	190	39.	1
Benzo(a)anthracene	3900		ug/kg	110	21.	1
Benzo(a)pyrene	3500		ug/kg	150	46.	1
Benzo(b)fluoranthene	3800		ug/kg	110	32.	1
Benzo(k)fluoranthene	790		ug/kg	110	30.	1
Chrysene	3200		ug/kg	110	20.	1
Acenaphthylene	350		ug/kg	150	29.	1
Anthracene	940		ug/kg	110	37.	1
Benzo(ghi)perylene	2200		ug/kg	150	22.	1
Fluorene	250		ug/kg	190	18.	1
Phenanthrene	3500		ug/kg	110	23.	1
Dibenzo(a,h)anthracene	450		ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	1900		ug/kg	150	26.	1
Pyrene	6200		ug/kg	110	19.	1
Biphenyl	ND		ug/kg	430	44.	1
4-Chloroaniline	ND		ug/kg	190	34.	1
2-Nitroaniline	ND		ug/kg	190	36.	1
3-Nitroaniline	ND		ug/kg	190	35.	1
4-Nitroaniline	ND		ug/kg	190	78.	1
Dibenzofuran	71	J	ug/kg	190	18.	1
2-Methylnaphthalene	54	J	ug/kg	220	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	36.	1
p-Chloro-m-cresol	ND		ug/kg	190	28.	1
2-Chlorophenol	ND		ug/kg	190	22.	1
2,4-Dichlorophenol	ND		ug/kg	170	30.	1
2,4-Dimethylphenol	ND		ug/kg	190	62.	1
2-Nitrophenol	ND		ug/kg	400	71.	1
4-Nitrophenol	ND		ug/kg	260	77.	1
2,4-Dinitrophenol	ND		ug/kg	900	88.	1
4,6-Dinitro-o-cresol	ND		ug/kg	490	90.	1
Pentachlorophenol	ND		ug/kg	150	41.	1
Phenol	ND		ug/kg	190	28.	1
2-Methylphenol	ND		ug/kg	190	29.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	29.	1

**Project Name:** 266-270 W. 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047884  
**Report Date:** 11/16/20

**SAMPLE RESULTS**

Lab ID: L2047884-04  
 Client ID: SB13\_0-1.5  
 Sample Location: NY, NY

Date Collected: 11/02/20 12:50  
 Date Received: 11/02/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	190	36.	1
Benzoic Acid	ND		ug/kg	610	190	1
Benzyl Alcohol	ND		ug/kg	190	57.	1
Carbazole	140	J	ug/kg	190	18.	1
1,4-Dioxane	ND		ug/kg	28	8.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	64		25-120
Phenol-d6	66		10-120
Nitrobenzene-d5	67		23-120
2-Fluorobiphenyl	72		30-120
2,4,6-Tribromophenol	83		10-136
4-Terphenyl-d14	66		18-120

**Project Name:** 266-270 W. 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047884  
**Report Date:** 11/16/20

**SAMPLE RESULTS**

**Lab ID:** L2047884-04  
**Client ID:** SB13\_0-1.5  
**Sample Location:** NY, NY

**Date Collected:** 11/02/20 12:50  
**Date Received:** 11/02/20  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 11/08/20 05:42  
**Analyst:** SG  
**Percent Solids:** 87%

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 11/06/20 10:34

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab</b>						
Perfluorobutanoic Acid (PFBA)	ND		ug/kg	0.529	0.024	1
Perfluoropentanoic Acid (PFPeA)	0.066	J	ug/kg	0.529	0.049	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ug/kg	0.529	0.041	1
Perfluorohexanoic Acid (PFHxA)	0.085	JF	ug/kg	0.529	0.056	1
Perfluoroheptanoic Acid (PFHpA)	0.060	J	ug/kg	0.529	0.048	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ug/kg	0.529	0.064	1
Perfluorooctanoic Acid (PFOA)	0.576	F	ug/kg	0.529	0.044	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ug/kg	0.529	0.190	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ug/kg	0.529	0.144	1
Perfluorononanoic Acid (PFNA)	ND		ug/kg	0.529	0.079	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ug/kg	0.529	0.138	1
Perfluorodecanoic Acid (PFDA)	ND		ug/kg	0.529	0.071	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ug/kg	0.529	0.304	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ug/kg	0.529	0.213	1
Perfluoroundecanoic Acid (PFUnA)	ND		ug/kg	0.529	0.050	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ug/kg	0.529	0.162	1
Perfluorooctanesulfonamide (FOSA)	ND		ug/kg	0.529	0.104	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ug/kg	0.529	0.089	1
Perfluorododecanoic Acid (PFDoA)	ND		ug/kg	0.529	0.074	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ug/kg	0.529	0.216	1
Perfluorotetradecanoic Acid (PFTA)	ND		ug/kg	0.529	0.057	1
PFOA/PFOS, Total	0.576		ug/kg	0.529	0.044	1

**Project Name:** 266-270 W. 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047884  
**Report Date:** 11/16/20

**SAMPLE RESULTS**

Lab ID: L2047884-04  
 Client ID: SB13\_0-1.5  
 Sample Location: NY, NY

Date Collected: 11/02/20 12:50  
 Date Received: 11/02/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	92		60-153
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	94		65-182
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	97		70-151
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	89		61-147
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	95		62-149
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	105		63-166
Perfluoro[13C8]Octanoic Acid (M8PFOA)	91		62-152
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	88		32-182
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	84		61-154
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	97		65-151
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	92		65-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	119		25-186
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	57		45-137
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	100		64-158
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	46		1-125
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	66		42-136
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	90		56-148
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	58		26-160

**Project Name:** 266-270 W. 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047884  
**Report Date:** 11/16/20

**SAMPLE RESULTS**

**Lab ID:** L2047884-05  
**Client ID:** SB13\_4-6  
**Sample Location:** NY, NY

**Date Collected:** 11/02/20 13:15  
**Date Received:** 11/02/20  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 11/08/20 05:58  
**Analyst:** SG  
**Percent Solids:** 86%

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 11/06/20 10:34

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab</b>						
Perfluorobutanoic Acid (PFBA)	ND		ug/kg	0.517	0.024	1
Perfluoropentanoic Acid (PFPeA)	ND		ug/kg	0.517	0.048	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ug/kg	0.517	0.040	1
Perfluorohexanoic Acid (PFHxA)	0.077	JF	ug/kg	0.517	0.054	1
Perfluoroheptanoic Acid (PFHpA)	ND		ug/kg	0.517	0.047	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ug/kg	0.517	0.063	1
Perfluorooctanoic Acid (PFOA)	0.493	JF	ug/kg	0.517	0.043	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ug/kg	0.517	0.186	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ug/kg	0.517	0.141	1
Perfluorononanoic Acid (PFNA)	ND		ug/kg	0.517	0.078	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ug/kg	0.517	0.134	1
Perfluorodecanoic Acid (PFDA)	ND		ug/kg	0.517	0.069	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ug/kg	0.517	0.297	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ug/kg	0.517	0.208	1
Perfluoroundecanoic Acid (PFUnA)	ND		ug/kg	0.517	0.048	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ug/kg	0.517	0.158	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ug/kg	0.517	0.087	1
Perfluorododecanoic Acid (PFDoA)	ND		ug/kg	0.517	0.072	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ug/kg	0.517	0.212	1
Perfluorotetradecanoic Acid (PFTA)	ND		ug/kg	0.517	0.056	1
PFOA/PFOS, Total	0.493	J	ug/kg	0.517	0.043	1



**Project Name:** 266-270 W. 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047884  
**Report Date:** 11/16/20

**SAMPLE RESULTS**

Lab ID: L2047884-05  
 Client ID: SB13\_4-6  
 Sample Location: NY, NY

Date Collected: 11/02/20 13:15  
 Date Received: 11/02/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	96		60-153
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	98		65-182
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	103		70-151
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	93		61-147
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	98		62-149
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	113		63-166
Perfluoro[13C8]Octanoic Acid (M8PFOA)	97		62-152
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	95		32-182
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	90		61-154
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	101		65-151
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	93		65-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	117		25-186
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	60		45-137
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	100		64-158
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	70		42-136
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	91		56-148
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	52		26-160

**Project Name:** 266-270 W. 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047884  
**Report Date:** 11/16/20

**SAMPLE RESULTS**

Lab ID: L2047884-05  
 Client ID: SB13\_4-6  
 Sample Location: NY, NY

Date Collected: 11/02/20 13:15  
 Date Received: 11/02/20  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 134,LCMSMS-ID  
 Analytical Date: 11/11/20 12:28  
 Analyst: RS  
 Percent Solids: 86%

Extraction Method: ALPHA 23528  
 Extraction Date: 11/06/20 10:34

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab</b>						
Perfluorooctanesulfonamide (FOSA)	ND		ug/kg	0.517	0.101	1
<b>Surrogate (Extracted Internal Standard)</b>			<b>% Recovery</b>	<b>Qualifier</b>	<b>Acceptance Criteria</b>	
Perfluoro[13C8]Octanesulfonamide (M8FOSA)			78		1-125	

**Project Name:** 266-270 W. 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047884  
**Report Date:** 11/16/20

**SAMPLE RESULTS**

Lab ID: L2047884-05 D  
 Client ID: SB13\_4-6  
 Sample Location: NY, NY

Date Collected: 11/02/20 13:15  
 Date Received: 11/02/20  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270D  
 Analytical Date: 11/05/20 01:22  
 Analyst: IM  
 Percent Solids: 86%

Extraction Method: EPA 3546  
 Extraction Date: 11/03/20 10:03

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Acenaphthene	1100		ug/kg	300	39.	2
1,2,4-Trichlorobenzene	ND		ug/kg	380	43.	2
Hexachlorobenzene	ND		ug/kg	230	42.	2
Bis(2-chloroethyl)ether	ND		ug/kg	340	51.	2
2-Chloronaphthalene	ND		ug/kg	380	38.	2
1,2-Dichlorobenzene	ND		ug/kg	380	68.	2
1,3-Dichlorobenzene	ND		ug/kg	380	65.	2
1,4-Dichlorobenzene	ND		ug/kg	380	66.	2
3,3'-Dichlorobenzidine	ND		ug/kg	380	100	2
2,4-Dinitrotoluene	ND		ug/kg	380	76.	2
2,6-Dinitrotoluene	ND		ug/kg	380	65.	2
Fluoranthene	9200		ug/kg	230	43.	2
4-Chlorophenyl phenyl ether	ND		ug/kg	380	40.	2
4-Bromophenyl phenyl ether	ND		ug/kg	380	58.	2
Bis(2-chloroisopropyl)ether	ND		ug/kg	450	64.	2
Bis(2-chloroethoxy)methane	ND		ug/kg	410	38.	2
Hexachlorobutadiene	ND		ug/kg	380	55.	2
Hexachlorocyclopentadiene	ND		ug/kg	1100	340	2
Hexachloroethane	ND		ug/kg	300	61.	2
Isophorone	ND		ug/kg	340	49.	2
Naphthalene	590		ug/kg	380	46.	2
Nitrobenzene	ND		ug/kg	340	56.	2
NDPA/DPA	ND		ug/kg	300	43.	2
n-Nitrosodi-n-propylamine	ND		ug/kg	380	58.	2
Bis(2-ethylhexyl)phthalate	ND		ug/kg	380	130	2
Butyl benzyl phthalate	ND		ug/kg	380	95.	2
Di-n-butylphthalate	ND		ug/kg	380	72.	2
Di-n-octylphthalate	ND		ug/kg	380	130	2

Project Name: 266-270 W. 96TH ST

Lab Number: L2047884

Project Number: 170432001

Report Date: 11/16/20

## SAMPLE RESULTS

Lab ID: L2047884-05 D

Date Collected: 11/02/20 13:15

Client ID: SB13\_4-6

Date Received: 11/02/20

Sample Location: NY, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	380	35.	2
Dimethyl phthalate	ND		ug/kg	380	79.	2
Benzo(a)anthracene	5500		ug/kg	230	42.	2
Benzo(a)pyrene	4600		ug/kg	300	92.	2
Benzo(b)fluoranthene	5200		ug/kg	230	64.	2
Benzo(k)fluoranthene	1100		ug/kg	230	60.	2
Chrysene	4800		ug/kg	230	39.	2
Acenaphthylene	360		ug/kg	300	58.	2
Anthracene	2700		ug/kg	230	74.	2
Benzo(ghi)perylene	2600		ug/kg	300	44.	2
Fluorene	970		ug/kg	380	37.	2
Phenanthrene	11000		ug/kg	230	46.	2
Dibenzo(a,h)anthracene	530		ug/kg	230	44.	2
Indeno(1,2,3-cd)pyrene	2400		ug/kg	300	53.	2
Pyrene	11000		ug/kg	230	38.	2
Biphenyl	140	J	ug/kg	860	88.	2
4-Chloroaniline	ND		ug/kg	380	69.	2
2-Nitroaniline	ND		ug/kg	380	73.	2
3-Nitroaniline	ND		ug/kg	380	71.	2
4-Nitroaniline	ND		ug/kg	380	160	2
Dibenzofuran	400		ug/kg	380	36.	2
2-Methylnaphthalene	400	J	ug/kg	450	46.	2
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	380	39.	2
Acetophenone	ND		ug/kg	380	47.	2
2,4,6-Trichlorophenol	ND		ug/kg	230	72.	2
p-Chloro-m-cresol	ND		ug/kg	380	56.	2
2-Chlorophenol	ND		ug/kg	380	45.	2
2,4-Dichlorophenol	ND		ug/kg	340	61.	2
2,4-Dimethylphenol	ND		ug/kg	380	120	2
2-Nitrophenol	ND		ug/kg	820	140	2
4-Nitrophenol	ND		ug/kg	530	150	2
2,4-Dinitrophenol	ND		ug/kg	1800	180	2
4,6-Dinitro-o-cresol	ND		ug/kg	980	180	2
Pentachlorophenol	ND		ug/kg	300	83.	2
Phenol	ND		ug/kg	380	57.	2
2-Methylphenol	ND		ug/kg	380	59.	2
3-Methylphenol/4-Methylphenol	ND		ug/kg	540	59.	2

**Project Name:** 266-270 W. 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047884  
**Report Date:** 11/16/20

**SAMPLE RESULTS**

Lab ID: L2047884-05 D  
 Client ID: SB13\_4-6  
 Sample Location: NY, NY

Date Collected: 11/02/20 13:15  
 Date Received: 11/02/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	380	72.	2
Benzoic Acid	ND		ug/kg	1200	380	2
Benzyl Alcohol	ND		ug/kg	380	120	2
Carbazole	440		ug/kg	380	37.	2
1,4-Dioxane	ND		ug/kg	57	17.	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	77		25-120
Phenol-d6	77		10-120
Nitrobenzene-d5	72		23-120
2-Fluorobiphenyl	87		30-120
2,4,6-Tribromophenol	120		10-136
4-Terphenyl-d14	87		18-120

**Project Name:** 266-270 W. 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047884  
**Report Date:** 11/16/20

**SAMPLE RESULTS**

Lab ID: L2047884-06  
 Client ID: SB13\_7.5-9  
 Sample Location: NY, NY

Date Collected: 11/02/20 13:30  
 Date Received: 11/02/20  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270D  
 Analytical Date: 11/04/20 09:33  
 Analyst: JG  
 Percent Solids: 84%

Extraction Method: EPA 3546  
 Extraction Date: 11/03/20 10:03

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Acenaphthene	240		ug/kg	160	20.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	22.	1
Hexachlorobenzene	ND		ug/kg	120	22.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	26.	1
2-Chloronaphthalene	ND		ug/kg	190	19.	1
1,2-Dichlorobenzene	ND		ug/kg	190	35.	1
1,3-Dichlorobenzene	ND		ug/kg	190	33.	1
1,4-Dichlorobenzene	ND		ug/kg	190	34.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	52.	1
2,4-Dinitrotoluene	ND		ug/kg	190	39.	1
2,6-Dinitrotoluene	ND		ug/kg	190	33.	1
Fluoranthene	2900		ug/kg	120	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	21.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	30.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	33.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	19.	1
Hexachlorobutadiene	ND		ug/kg	190	28.	1
Hexachlorocyclopentadiene	ND		ug/kg	550	180	1
Hexachloroethane	ND		ug/kg	160	31.	1
Isophorone	ND		ug/kg	170	25.	1
Naphthalene	69	J	ug/kg	190	24.	1
Nitrobenzene	ND		ug/kg	170	29.	1
NDPA/DPA	ND		ug/kg	160	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	30.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	67.	1
Butyl benzyl phthalate	ND		ug/kg	190	49.	1
Di-n-butylphthalate	ND		ug/kg	190	37.	1
Di-n-octylphthalate	ND		ug/kg	190	66.	1

**Project Name:** 266-270 W. 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047884  
**Report Date:** 11/16/20

**SAMPLE RESULTS**

**Lab ID:** L2047884-06  
**Client ID:** SB13\_7.5-9  
**Sample Location:** NY, NY

**Date Collected:** 11/02/20 13:30  
**Date Received:** 11/02/20  
**Field Prep:** Not Specified

**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Diethyl phthalate	ND		ug/kg	190	18.	1
Dimethyl phthalate	ND		ug/kg	190	41.	1
Benzo(a)anthracene	2000		ug/kg	120	22.	1
Benzo(a)pyrene	1900		ug/kg	160	47.	1
Benzo(b)fluoranthene	1900		ug/kg	120	33.	1
Benzo(k)fluoranthene	600		ug/kg	120	31.	1
Chrysene	1600		ug/kg	120	20.	1
Acenaphthylene	180		ug/kg	160	30.	1
Anthracene	680		ug/kg	120	38.	1
Benzo(ghi)perylene	1200		ug/kg	160	23.	1
Fluorene	180	J	ug/kg	190	19.	1
Phenanthrene	2700		ug/kg	120	24.	1
Dibenzo(a,h)anthracene	230		ug/kg	120	22.	1
Indeno(1,2,3-cd)pyrene	1000		ug/kg	160	27.	1
Pyrene	3600		ug/kg	120	19.	1
Biphenyl	ND		ug/kg	440	45.	1
4-Chloroaniline	ND		ug/kg	190	35.	1
2-Nitroaniline	ND		ug/kg	190	37.	1
3-Nitroaniline	ND		ug/kg	190	36.	1
4-Nitroaniline	ND		ug/kg	190	80.	1
Dibenzofuran	61	J	ug/kg	190	18.	1
2-Methylnaphthalene	50	J	ug/kg	230	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	24.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	37.	1
p-Chloro-m-cresol	ND		ug/kg	190	29.	1
2-Chlorophenol	ND		ug/kg	190	23.	1
2,4-Dichlorophenol	ND		ug/kg	170	31.	1
2,4-Dimethylphenol	ND		ug/kg	190	64.	1
2-Nitrophenol	ND		ug/kg	420	73.	1
4-Nitrophenol	ND		ug/kg	270	79.	1
2,4-Dinitrophenol	ND		ug/kg	930	90.	1
4,6-Dinitro-o-cresol	ND		ug/kg	500	93.	1
Pentachlorophenol	ND		ug/kg	160	43.	1
Phenol	ND		ug/kg	190	29.	1
2-Methylphenol	ND		ug/kg	190	30.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	30.	1

**Project Name:** 266-270 W. 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047884  
**Report Date:** 11/16/20

**SAMPLE RESULTS**

Lab ID: L2047884-06  
 Client ID: SB13\_7.5-9  
 Sample Location: NY, NY

Date Collected: 11/02/20 13:30  
 Date Received: 11/02/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
2,4,5-Trichlorophenol	ND		ug/kg	190	37.	1
Benzoic Acid	ND		ug/kg	630	200	1
Benzyl Alcohol	ND		ug/kg	190	59.	1
Carbazole	88	J	ug/kg	190	19.	1
1,4-Dioxane	ND		ug/kg	29	8.9	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	39		25-120
Phenol-d6	60		10-120
Nitrobenzene-d5	66		23-120
2-Fluorobiphenyl	71		30-120
2,4,6-Tribromophenol	33		10-136
4-Terphenyl-d14	63		18-120



**Project Name:** 266-270 W. 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047884  
**Report Date:** 11/16/20

**SAMPLE RESULTS**

Lab ID: L2047884-06  
 Client ID: SB13\_7.5-9  
 Sample Location: NY, NY

Date Collected: 11/02/20 13:30  
 Date Received: 11/02/20  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 134,LCMSMS-ID  
 Analytical Date: 11/08/20 06:15  
 Analyst: SG  
 Percent Solids: 84%

Extraction Method: ALPHA 23528  
 Extraction Date: 11/06/20 10:34

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab</b>						
Perfluorobutanoic Acid (PFBA)	ND		ug/kg	0.545	0.025	1
Perfluoropentanoic Acid (PFPeA)	ND		ug/kg	0.545	0.050	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ug/kg	0.545	0.043	1
Perfluorohexanoic Acid (PFHxA)	0.066	J	ug/kg	0.545	0.057	1
Perfluoroheptanoic Acid (PFHpA)	ND		ug/kg	0.545	0.049	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ug/kg	0.545	0.066	1
Perfluorooctanoic Acid (PFOA)	0.350	JF	ug/kg	0.545	0.046	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ug/kg	0.545	0.196	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ug/kg	0.545	0.149	1
Perfluorononanoic Acid (PFNA)	ND		ug/kg	0.545	0.082	1
Perfluorooctanesulfonic Acid (PFOS)	0.303	JF	ug/kg	0.545	0.142	1
Perfluorodecanoic Acid (PFDA)	ND		ug/kg	0.545	0.073	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ug/kg	0.545	0.313	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ug/kg	0.545	0.220	1
Perfluoroundecanoic Acid (PFUnA)	ND		ug/kg	0.545	0.051	1
Perfluorodecanesulfonic Acid (PFDS)	0.430	J	ug/kg	0.545	0.167	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ug/kg	0.545	0.092	1
Perfluorododecanoic Acid (PFDoA)	ND		ug/kg	0.545	0.076	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ug/kg	0.545	0.223	1
Perfluorotetradecanoic Acid (PFTA)	ND		ug/kg	0.545	0.059	1
PFOA/PFOS, Total	0.653	J	ug/kg	0.545	0.046	1

**Project Name:** 266-270 W. 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047884  
**Report Date:** 11/16/20

**SAMPLE RESULTS**

Lab ID: L2047884-06  
 Client ID: SB13\_7.5-9  
 Sample Location: NY, NY

Date Collected: 11/02/20 13:30  
 Date Received: 11/02/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	98		60-153
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	99		65-182
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	100		70-151
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	94		61-147
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	101		62-149
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	111		63-166
Perfluoro[13C8]Octanoic Acid (M8PFOA)	98		62-152
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	98		32-182
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	93		61-154
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	104		65-151
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	99		65-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	121		25-186
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	77		45-137
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	108		64-158
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	73		42-136
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	98		56-148
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	75		26-160

**Project Name:** 266-270 W. 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047884  
**Report Date:** 11/16/20

**SAMPLE RESULTS**

Lab ID: L2047884-06  
 Client ID: SB13\_7.5-9  
 Sample Location: NY, NY

Date Collected: 11/02/20 13:30  
 Date Received: 11/02/20  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 134,LCMSMS-ID  
 Analytical Date: 11/11/20 12:35  
 Analyst: RS  
 Percent Solids: 84%

Extraction Method: ALPHA 23528  
 Extraction Date: 11/06/20 10:34

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab</b>						
Perfluorooctanesulfonamide (FOSA)	ND		ug/kg	0.545	0.107	1
<b>Surrogate (Extracted Internal Standard)</b>			<b>% Recovery</b>	<b>Qualifier</b>	<b>Acceptance Criteria</b>	
Perfluoro[13C8]Octanesulfonamide (M8FOSA)			103		1-125	

**Project Name:** 266-270 W. 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047884  
**Report Date:** 11/16/20

**SAMPLE RESULTS**

Lab ID: L2047884-07  
 Client ID: SBDUP01\_11022020  
 Sample Location: NY, NY

Date Collected: 11/02/20 00:00  
 Date Received: 11/02/20  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 134,LCMSMS-ID  
 Analytical Date: 11/08/20 06:31  
 Analyst: SG  
 Percent Solids: 85%

Extraction Method: ALPHA 23528  
 Extraction Date: 11/06/20 10:34

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab</b>						
Perfluorobutanoic Acid (PFBA)	0.027	J	ug/kg	0.519	0.024	1
Perfluoropentanoic Acid (PFPeA)	0.053	J	ug/kg	0.519	0.048	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ug/kg	0.519	0.041	1
Perfluorohexanoic Acid (PFHxA)	0.078	JF	ug/kg	0.519	0.055	1
Perfluoroheptanoic Acid (PFHpA)	ND		ug/kg	0.519	0.047	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ug/kg	0.519	0.063	1
Perfluorooctanoic Acid (PFOA)	0.521	F	ug/kg	0.519	0.044	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ug/kg	0.519	0.186	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ug/kg	0.519	0.142	1
Perfluorononanoic Acid (PFNA)	ND		ug/kg	0.519	0.078	1
Perfluorooctanesulfonic Acid (PFOS)	0.148	JF	ug/kg	0.519	0.135	1
Perfluorodecanoic Acid (PFDA)	ND		ug/kg	0.519	0.070	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ug/kg	0.519	0.298	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ug/kg	0.519	0.209	1
Perfluoroundecanoic Acid (PFUnA)	ND		ug/kg	0.519	0.049	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ug/kg	0.519	0.159	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ug/kg	0.519	0.088	1
Perfluorododecanoic Acid (PFDoA)	ND		ug/kg	0.519	0.073	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ug/kg	0.519	0.212	1
Perfluorotetradecanoic Acid (PFTA)	ND		ug/kg	0.519	0.056	1
PFOA/PFOS, Total	0.669	J	ug/kg	0.519	0.044	1

**Project Name:** 266-270 W. 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047884  
**Report Date:** 11/16/20

**SAMPLE RESULTS**

Lab ID: L2047884-07  
 Client ID: SBDUP01\_11022020  
 Sample Location: NY, NY

Date Collected: 11/02/20 00:00  
 Date Received: 11/02/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	93		60-153
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	93		65-182
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	95		70-151
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	88		61-147
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	94		62-149
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	108		63-166
Perfluoro[13C8]Octanoic Acid (M8PFOA)	91		62-152
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	103		32-182
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	86		61-154
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	98		65-151
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	92		65-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	124		25-186
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	65		45-137
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	101		64-158
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	62		42-136
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	92		56-148
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	54		26-160

**Project Name:** 266-270 W. 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047884  
**Report Date:** 11/16/20

**SAMPLE RESULTS**

Lab ID: L2047884-07  
 Client ID: SBDUP01\_11022020  
 Sample Location: NY, NY

Date Collected: 11/02/20 00:00  
 Date Received: 11/02/20  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 134,LCMSMS-ID  
 Analytical Date: 11/11/20 12:50  
 Analyst: RS  
 Percent Solids: 85%

Extraction Method: ALPHA 23528  
 Extraction Date: 11/06/20 10:34

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab</b>						
Perfluorooctanesulfonamide (FOSA)	ND		ug/kg	0.519	0.102	1
<b>Surrogate (Extracted Internal Standard)</b>			<b>% Recovery</b>	<b>Qualifier</b>	<b>Acceptance Criteria</b>	
Perfluoro[13C8]Octanesulfonamide (M8FOSA)			93		1-125	

**Project Name:** 266-270 W. 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047884  
**Report Date:** 11/16/20

**SAMPLE RESULTS**

Lab ID: L2047884-07 D  
 Client ID: SBDUP01\_11022020  
 Sample Location: NY, NY

Date Collected: 11/02/20 00:00  
 Date Received: 11/02/20  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270D  
 Analytical Date: 11/05/20 01:44  
 Analyst: IM  
 Percent Solids: 85%

Extraction Method: EPA 3546  
 Extraction Date: 11/03/20 10:03

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Acenaphthene	1200		ug/kg	300	39.	2
1,2,4-Trichlorobenzene	ND		ug/kg	380	43.	2
Hexachlorobenzene	ND		ug/kg	230	42.	2
Bis(2-chloroethyl)ether	ND		ug/kg	340	51.	2
2-Chloronaphthalene	ND		ug/kg	380	38.	2
1,2-Dichlorobenzene	ND		ug/kg	380	68.	2
1,3-Dichlorobenzene	ND		ug/kg	380	65.	2
1,4-Dichlorobenzene	ND		ug/kg	380	66.	2
3,3'-Dichlorobenzidine	ND		ug/kg	380	100	2
2,4-Dinitrotoluene	ND		ug/kg	380	76.	2
2,6-Dinitrotoluene	ND		ug/kg	380	65.	2
Fluoranthene	11000		ug/kg	230	44.	2
4-Chlorophenyl phenyl ether	ND		ug/kg	380	41.	2
4-Bromophenyl phenyl ether	ND		ug/kg	380	58.	2
Bis(2-chloroisopropyl)ether	ND		ug/kg	460	65.	2
Bis(2-chloroethoxy)methane	ND		ug/kg	410	38.	2
Hexachlorobutadiene	ND		ug/kg	380	56.	2
Hexachlorocyclopentadiene	ND		ug/kg	1100	340	2
Hexachloroethane	ND		ug/kg	300	61.	2
Isophorone	ND		ug/kg	340	49.	2
Naphthalene	160	J	ug/kg	380	46.	2
Nitrobenzene	ND		ug/kg	340	56.	2
NDPA/DPA	ND		ug/kg	300	43.	2
n-Nitrosodi-n-propylamine	ND		ug/kg	380	59.	2
Bis(2-ethylhexyl)phthalate	ND		ug/kg	380	130	2
Butyl benzyl phthalate	ND		ug/kg	380	96.	2
Di-n-butylphthalate	ND		ug/kg	380	72.	2
Di-n-octylphthalate	ND		ug/kg	380	130	2

**Project Name:** 266-270 W. 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047884  
**Report Date:** 11/16/20

**SAMPLE RESULTS**

Lab ID: L2047884-07 D  
 Client ID: SBDUP01\_11022020  
 Sample Location: NY, NY

Date Collected: 11/02/20 00:00  
 Date Received: 11/02/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Diethyl phthalate	ND		ug/kg	380	35.	2
Dimethyl phthalate	ND		ug/kg	380	80.	2
Benzo(a)anthracene	6900		ug/kg	230	43.	2
Benzo(a)pyrene	6100		ug/kg	300	93.	2
Benzo(b)fluoranthene	6500		ug/kg	230	64.	2
Benzo(k)fluoranthene	2100		ug/kg	230	61.	2
Chrysene	6000		ug/kg	230	39.	2
Acenaphthylene	530		ug/kg	300	59.	2
Anthracene	3100		ug/kg	230	74.	2
Benzo(ghi)perylene	3500		ug/kg	300	45.	2
Fluorene	880		ug/kg	380	37.	2
Phenanthrene	12000		ug/kg	230	46.	2
Dibenzo(a,h)anthracene	710		ug/kg	230	44.	2
Indeno(1,2,3-cd)pyrene	3200		ug/kg	300	53.	2
Pyrene	13000		ug/kg	230	38.	2
Biphenyl	ND		ug/kg	860	88.	2
4-Chloroaniline	ND		ug/kg	380	69.	2
2-Nitroaniline	ND		ug/kg	380	73.	2
3-Nitroaniline	ND		ug/kg	380	72.	2
4-Nitroaniline	ND		ug/kg	380	160	2
Dibenzofuran	280	J	ug/kg	380	36.	2
2-Methylnaphthalene	180	J	ug/kg	460	46.	2
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	380	40.	2
Acetophenone	ND		ug/kg	380	47.	2
2,4,6-Trichlorophenol	ND		ug/kg	230	72.	2
p-Chloro-m-cresol	ND		ug/kg	380	56.	2
2-Chlorophenol	ND		ug/kg	380	45.	2
2,4-Dichlorophenol	ND		ug/kg	340	61.	2
2,4-Dimethylphenol	ND		ug/kg	380	120	2
2-Nitrophenol	ND		ug/kg	820	140	2
4-Nitrophenol	ND		ug/kg	530	150	2
2,4-Dinitrophenol	ND		ug/kg	1800	180	2
4,6-Dinitro-o-cresol	ND		ug/kg	990	180	2
Pentachlorophenol	ND		ug/kg	300	84.	2
Phenol	ND		ug/kg	380	57.	2
2-Methylphenol	ND		ug/kg	380	59.	2
3-Methylphenol/4-Methylphenol	ND		ug/kg	550	59.	2



**Project Name:** 266-270 W. 96TH ST**Lab Number:** L2047884**Project Number:** 170432001**Report Date:** 11/16/20**SAMPLE RESULTS**

Lab ID: L2047884-07 D

Date Collected: 11/02/20 00:00

Client ID: SBDUP01\_11022020

Date Received: 11/02/20

Sample Location: NY, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	380	73.	2
Benzoic Acid	ND		ug/kg	1200	380	2
Benzyl Alcohol	ND		ug/kg	380	120	2
Carbazole	510		ug/kg	380	37.	2
1,4-Dioxane	ND		ug/kg	57	17.	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	79		25-120
Phenol-d6	82		10-120
Nitrobenzene-d5	74		23-120
2-Fluorobiphenyl	96		30-120
2,4,6-Tribromophenol	118		10-136
4-Terphenyl-d14	86		18-120

**Project Name:** 266-270 W. 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047884  
**Report Date:** 11/16/20

**SAMPLE RESULTS**

**Lab ID:** L2047884-09  
**Client ID:** SBEB03\_11022020  
**Sample Location:** NY, NY

**Date Collected:** 11/02/20 11:30  
**Date Received:** 11/02/20  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Equipment Blank  
**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 11/12/20 20:19  
**Analyst:** JW

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 11/12/20 05:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab</b>						
Perfluorobutanoic Acid (PFBA)	ND		ng/l	1.86	0.380	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	1.86	0.369	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	1.86	0.222	1
Perfluorohexanoic Acid (PFHxA)	0.358	J	ng/l	1.86	0.305	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	1.86	0.210	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	1.86	0.350	1
Perfluorooctanoic Acid (PFOA)	ND		ng/l	1.86	0.220	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	1.86	1.24	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.86	0.641	1
Perfluorononanoic Acid (PFNA)	ND		ng/l	1.86	0.290	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	1.86	0.469	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.86	0.283	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.86	1.13	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.86	0.603	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.86	0.242	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.86	0.913	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	1.86	0.540	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.86	0.749	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.86	0.346	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.86	0.305	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.86	0.231	1
PFOA/PFOS, Total	ND		ng/l	1.86	0.220	1

**Project Name:** 266-270 W. 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047884  
**Report Date:** 11/16/20

**SAMPLE RESULTS**

Lab ID: L2047884-09  
 Client ID: SBEB03\_11022020  
 Sample Location: NY, NY

Date Collected: 11/02/20 11:30  
 Date Received: 11/02/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	80		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	93		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	82		31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	82		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	87		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	90		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	79		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	135		1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	74		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	81		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	74		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	174	Q	7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	65		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	82		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	15		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	56		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	76		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	54		33-143

**Project Name:** 266-270 W. 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047884  
**Report Date:** 11/16/20

**SAMPLE RESULTS**

Lab ID: L2047884-10  
 Client ID: SBFB01\_11022020  
 Sample Location: NY, NY

Date Collected: 11/02/20 14:30  
 Date Received: 11/02/20  
 Field Prep: Not Specified

Sample Depth:

Matrix: Field Blank  
 Analytical Method: 1,8270D  
 Analytical Date: 11/04/20 05:13  
 Analyst: EK

Extraction Method: EPA 3510C  
 Extraction Date: 11/03/20 12:49

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1

**Project Name:** 266-270 W. 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047884  
**Report Date:** 11/16/20

**SAMPLE RESULTS**

**Lab ID:** L2047884-10  
**Client ID:** SBFB01\_11022020  
**Sample Location:** NY, NY

**Date Collected:** 11/02/20 14:30  
**Date Received:** 11/02/20  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Benzoic Acid	ND		ug/l	50	2.6	1
Benzyl Alcohol	ND		ug/l	2.0	0.59	1
Carbazole	ND		ug/l	2.0	0.49	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	60		21-120
Phenol-d6	55		10-120
Nitrobenzene-d5	65		23-120
2-Fluorobiphenyl	65		15-120
2,4,6-Tribromophenol	38		10-120
4-Terphenyl-d14	72		41-149

**Project Name:** 266-270 W. 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047884  
**Report Date:** 11/16/20

**SAMPLE RESULTS**

Lab ID: L2047884-10  
 Client ID: SBFB01\_11022020  
 Sample Location: NY, NY

Date Collected: 11/02/20 14:30  
 Date Received: 11/02/20  
 Field Prep: Not Specified

Sample Depth:

Matrix: Field Blank  
 Analytical Method: 1,8270D-SIM  
 Analytical Date: 11/04/20 17:19  
 Analyst: DV

Extraction Method: EPA 3510C  
 Extraction Date: 11/03/20 12:48

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS-SIM - Westborough Lab</b>						
Acenaphthene	ND		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	ND		ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	ND		ug/l	0.10	0.05	1
Benzo(a)anthracene	0.02	J	ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01	1
Chrysene	ND		ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	ND		ug/l	0.10	0.01	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.01	1
Fluorene	ND		ug/l	0.10	0.01	1
Phenanthrene	ND		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01	1
Pyrene	ND		ug/l	0.10	0.02	1
2-Methylnaphthalene	ND		ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

**Project Name:** 266-270 W. 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047884  
**Report Date:** 11/16/20

**SAMPLE RESULTS**

Lab ID: L2047884-10  
 Client ID: SBFB01\_11022020  
 Sample Location: NY, NY

Date Collected: 11/02/20 14:30  
 Date Received: 11/02/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
-----------	--------	-----------	-------	----	-----	-----------------

## Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	51		21-120
Phenol-d6	54		10-120
Nitrobenzene-d5	86		23-120
2-Fluorobiphenyl	71		15-120
2,4,6-Tribromophenol	39		10-120
4-Terphenyl-d14	69		41-149

**Project Name:** 266-270 W. 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047884  
**Report Date:** 11/16/20

**SAMPLE RESULTS**

Lab ID: L2047884-10  
 Client ID: SBFB01\_11022020  
 Sample Location: NY, NY

Date Collected: 11/02/20 14:30  
 Date Received: 11/02/20  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Field Blank  
 Analytical Method: 1,8270D-SIM  
 Analytical Date: 11/08/20 12:48  
 Analyst: PS

Extraction Method: EPA 3510C  
 Extraction Date: 11/06/20 11:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270D-SIM - Mansfield Lab						
1,4-Dioxane	ND		ng/l	139	31.4	1
Surrogate			% Recovery	Qualifier	Acceptance Criteria	
1,4-Dioxane-d8			51		15-110	



**Project Name:** 266-270 W. 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047884  
**Report Date:** 11/16/20

**SAMPLE RESULTS**

**Lab ID:** L2047884-10  
**Client ID:** SBFB01\_11022020  
**Sample Location:** NY, NY

**Date Collected:** 11/02/20 14:30  
**Date Received:** 11/02/20  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Field Blank  
**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 11/12/20 20:36  
**Analyst:** JW

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 11/12/20 05:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab</b>						
Perfluorobutanoic Acid (PFBA)	ND		ng/l	1.84	0.376	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	1.84	0.364	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	1.84	0.219	1
Perfluorohexanoic Acid (PFHxA)	0.313	J	ng/l	1.84	0.302	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	1.84	0.207	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	1.84	0.346	1
Perfluorooctanoic Acid (PFOA)	ND		ng/l	1.84	0.217	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	1.84	1.22	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.84	0.633	1
Perfluorononanoic Acid (PFNA)	ND		ng/l	1.84	0.287	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	1.84	0.464	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.84	0.280	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.84	1.12	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.84	0.596	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.84	0.239	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.84	0.902	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	1.84	0.534	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.84	0.740	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.84	0.342	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.84	0.301	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.84	0.228	1
PFOA/PFOS, Total	ND		ng/l	1.84	0.217	1

**Project Name:** 266-270 W. 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047884  
**Report Date:** 11/16/20

**SAMPLE RESULTS**

Lab ID: L2047884-10  
 Client ID: SBFB01\_11022020  
 Sample Location: NY, NY

Date Collected: 11/02/20 14:30  
 Date Received: 11/02/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	88		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	101		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	87		31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	86		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	94		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	97		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	88		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	146		1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	84		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	87		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	88		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	<b>203</b>	Q	7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	72		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	94		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	30		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	73		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	87		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	65		33-143

**Project Name:** 266-270 W. 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047884  
**Report Date:** 11/16/20

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8270D  
Analytical Date: 11/04/20 21:01  
Analyst: SZ

Extraction Method: EPA 3510C  
Extraction Date: 11/02/20 18:31

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatle Organics by GC/MS - Westborough Lab for sample(s): 10 Batch: WG1429479-1					
Acenaphthene	ND		ug/l	2.0	0.44
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50
Hexachlorobenzene	ND		ug/l	2.0	0.46
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50
2-Chloronaphthalene	ND		ug/l	2.0	0.44
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93
Fluoranthene	ND		ug/l	2.0	0.26
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50
Hexachlorobutadiene	ND		ug/l	2.0	0.66
Hexachlorocyclopentadiene	ND		ug/l	20	0.69
Hexachloroethane	ND		ug/l	2.0	0.58
Isophorone	ND		ug/l	5.0	1.2
Naphthalene	ND		ug/l	2.0	0.46
Nitrobenzene	ND		ug/l	2.0	0.77
NDPA/DPA	ND		ug/l	2.0	0.42
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64
Bis(2-ethylhexyl)phthalate	2.0	J	ug/l	3.0	1.5
Butyl benzyl phthalate	ND		ug/l	5.0	1.2
Di-n-butylphthalate	ND		ug/l	5.0	0.39
Di-n-octylphthalate	ND		ug/l	5.0	1.3
Diethyl phthalate	ND		ug/l	5.0	0.38

**Project Name:** 266-270 W. 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047884  
**Report Date:** 11/16/20

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8270D  
Analytical Date: 11/04/20 21:01  
Analyst: SZ

Extraction Method: EPA 3510C  
Extraction Date: 11/02/20 18:31

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 10 Batch: WG1429479-1					
Dimethyl phthalate	ND		ug/l	5.0	1.8
Benzo(a)anthracene	ND		ug/l	2.0	0.32
Benzo(a)pyrene	ND		ug/l	2.0	0.41
Benzo(b)fluoranthene	ND		ug/l	2.0	0.35
Benzo(k)fluoranthene	ND		ug/l	2.0	0.37
Chrysene	ND		ug/l	2.0	0.34
Acenaphthylene	ND		ug/l	2.0	0.46
Anthracene	ND		ug/l	2.0	0.33
Benzo(ghi)perylene	ND		ug/l	2.0	0.30
Fluorene	ND		ug/l	2.0	0.41
Phenanthrene	ND		ug/l	2.0	0.33
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.32
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.0	0.40
Pyrene	ND		ug/l	2.0	0.28
Biphenyl	ND		ug/l	2.0	0.46
4-Chloroaniline	ND		ug/l	5.0	1.1
2-Nitroaniline	ND		ug/l	5.0	0.50
3-Nitroaniline	ND		ug/l	5.0	0.81
4-Nitroaniline	ND		ug/l	5.0	0.80
Dibenzofuran	ND		ug/l	2.0	0.50
2-Methylnaphthalene	ND		ug/l	2.0	0.45
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44
Acetophenone	ND		ug/l	5.0	0.53
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61
p-Chloro-m-cresol	ND		ug/l	2.0	0.35
2-Chlorophenol	ND		ug/l	2.0	0.48
2,4-Dichlorophenol	ND		ug/l	5.0	0.41
2,4-Dimethylphenol	ND		ug/l	5.0	1.8
2-Nitrophenol	ND		ug/l	10	0.85

**Project Name:** 266-270 W. 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047884  
**Report Date:** 11/16/20

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 1,8270D  
Analytical Date: 11/04/20 21:01  
Analyst: SZ

Extraction Method: EPA 3510C  
Extraction Date: 11/02/20 18:31

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 10 Batch: WG1429479-1					
4-Nitrophenol	ND		ug/l	10	0.67
2,4-Dinitrophenol	ND		ug/l	20	6.6
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8
Pentachlorophenol	ND		ug/l	10	1.8
Phenol	ND		ug/l	5.0	0.57
2-Methylphenol	ND		ug/l	5.0	0.49
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77
Benzoic Acid	ND		ug/l	50	2.6
Benzyl Alcohol	ND		ug/l	2.0	0.59
Carbazole	ND		ug/l	2.0	0.49

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	61		21-120
Phenol-d6	49		10-120
Nitrobenzene-d5	73		23-120
2-Fluorobiphenyl	72		15-120
2,4,6-Tribromophenol	65		10-120
4-Terphenyl-d14	78		41-149

**Project Name:** 266-270 W. 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047884  
**Report Date:** 11/16/20

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8270D-SIM  
Analytical Date: 11/03/20 19:38  
Analyst: JJW

Extraction Method: EPA 3510C  
Extraction Date: 11/02/20 18:40

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 10 Batch: WG1429481-1					
Acenaphthene	ND		ug/l	0.10	0.01
2-Chloronaphthalene	ND		ug/l	0.20	0.02
Fluoranthene	ND		ug/l	0.10	0.02
Hexachlorobutadiene	ND		ug/l	0.50	0.05
Naphthalene	ND		ug/l	0.10	0.05
Benzo(a)anthracene	ND		ug/l	0.10	0.02
Benzo(a)pyrene	ND		ug/l	0.10	0.02
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01
Chrysene	ND		ug/l	0.10	0.01
Acenaphthylene	ND		ug/l	0.10	0.01
Anthracene	ND		ug/l	0.10	0.01
Benzo(ghi)perylene	ND		ug/l	0.10	0.01
Fluorene	ND		ug/l	0.10	0.01
Phenanthrene	ND		ug/l	0.10	0.02
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01
Pyrene	ND		ug/l	0.10	0.02
2-Methylnaphthalene	ND		ug/l	0.10	0.02
Pentachlorophenol	ND		ug/l	0.80	0.01
Hexachlorobenzene	ND		ug/l	0.80	0.01
Hexachloroethane	ND		ug/l	0.80	0.06

**Project Name:** 266-270 W. 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047884  
**Report Date:** 11/16/20

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8270D-SIM  
Analytical Date: 11/03/20 19:38  
Analyst: JJW

Extraction Method: EPA 3510C  
Extraction Date: 11/02/20 18:40

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 10 Batch: WG1429481-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	57		21-120
Phenol-d6	51		10-120
Nitrobenzene-d5	85		23-120
2-Fluorobiphenyl	75		15-120
2,4,6-Tribromophenol	78		10-120
4-Terphenyl-d14	85		41-149

**Project Name:** 266-270 W. 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047884  
**Report Date:** 11/16/20

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8270D  
Analytical Date: 11/04/20 03:12  
Analyst: WR

Extraction Method: EPA 3546  
Extraction Date: 11/03/20 10:03

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-07 Batch: WG1429745-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	160	19.
Hexachlorobenzene	ND		ug/kg	99	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
1,2-Dichlorobenzene	ND		ug/kg	160	30.
1,3-Dichlorobenzene	ND		ug/kg	160	28.
1,4-Dichlorobenzene	ND		ug/kg	160	29.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	33.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	99	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	18.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	470	150
Hexachloroethane	ND		ug/kg	130	27.
Isophorone	ND		ug/kg	150	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	19.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	25.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	57.
Butyl benzyl phthalate	ND		ug/kg	160	42.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	56.
Diethyl phthalate	ND		ug/kg	160	15.



**Project Name:** 266-270 W. 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047884  
**Report Date:** 11/16/20

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8270D  
Analytical Date: 11/04/20 03:12  
Analyst: WR

Extraction Method: EPA 3546  
Extraction Date: 11/03/20 10:03

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-07 Batch: WG1429745-1					
Dimethyl phthalate	ND		ug/kg	160	34.
Benzo(a)anthracene	ND		ug/kg	99	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	99	28.
Benzo(k)fluoranthene	ND		ug/kg	99	26.
Chrysene	ND		ug/kg	99	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	99	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	99	20.
Dibenzo(a,h)anthracene	ND		ug/kg	99	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	99	16.
Biphenyl	ND		ug/kg	380	38.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	32.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	68.
Dibenzofuran	ND		ug/kg	160	16.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	99	31.
p-Chloro-m-cresol	ND		ug/kg	160	24.
2-Chlorophenol	ND		ug/kg	160	19.
2,4-Dichlorophenol	ND		ug/kg	150	26.
2,4-Dimethylphenol	ND		ug/kg	160	54.
2-Nitrophenol	ND		ug/kg	360	62.

**Project Name:** 266-270 W. 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047884  
**Report Date:** 11/16/20

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 1,8270D  
Analytical Date: 11/04/20 03:12  
Analyst: WR

Extraction Method: EPA 3546  
Extraction Date: 11/03/20 10:03

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-07 Batch: WG1429745-1					
4-Nitrophenol	ND		ug/kg	230	67.
2,4-Dinitrophenol	ND		ug/kg	790	77.
4,6-Dinitro-o-cresol	ND		ug/kg	430	79.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	160	25.
2-Methylphenol	ND		ug/kg	160	26.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.
2,4,5-Trichlorophenol	ND		ug/kg	160	32.
Benzoic Acid	ND		ug/kg	530	170
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	16.
1,4-Dioxane	ND		ug/kg	25	7.6

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	64		25-120
Phenol-d6	62		10-120
Nitrobenzene-d5	60		23-120
2-Fluorobiphenyl	69		30-120
2,4,6-Tribromophenol	90		10-136
4-Terphenyl-d14	86		18-120

**Project Name:** 266-270 W. 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047884  
**Report Date:** 11/16/20

**Method Blank Analysis**  
**Batch Quality Control**

**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 11/08/20 04:02  
**Analyst:** SG

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 11/06/20 10:34

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-07 Batch: WG1431203-1					
Perfluorobutanoic Acid (PFBA)	ND		ug/kg	0.500	0.023
Perfluoropentanoic Acid (PFPeA)	ND		ug/kg	0.500	0.046
Perfluorobutanesulfonic Acid (PFBS)	ND		ug/kg	0.500	0.039
Perfluorohexanoic Acid (PFHxA)	ND		ug/kg	0.500	0.053
Perfluoroheptanoic Acid (PFHpA)	ND		ug/kg	0.500	0.045
Perfluorohexanesulfonic Acid (PFHxS)	ND		ug/kg	0.500	0.061
Perfluorooctanoic Acid (PFOA)	ND		ug/kg	0.500	0.042
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ug/kg	0.500	0.180
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ug/kg	0.500	0.136
Perfluorononanoic Acid (PFNA)	ND		ug/kg	0.500	0.075
Perfluorooctanesulfonic Acid (PFOS)	ND		ug/kg	0.500	0.130
Perfluorodecanoic Acid (PFDA)	ND		ug/kg	0.500	0.067
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ug/kg	0.500	0.287
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ug/kg	0.500	0.202
Perfluoroundecanoic Acid (PFUnA)	ND		ug/kg	0.500	0.047
Perfluorodecanesulfonic Acid (PFDS)	ND		ug/kg	0.500	0.153
Perfluorooctanesulfonamide (FOSA)	ND		ug/kg	0.500	0.098
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ug/kg	0.500	0.085
Perfluorododecanoic Acid (PFDoA)	ND		ug/kg	0.500	0.070
Perfluorotridecanoic Acid (PFTrDA)	ND		ug/kg	0.500	0.204
Perfluorotetradecanoic Acid (PFTA)	ND		ug/kg	0.500	0.054
PFOA/PFOS, Total	ND		ug/kg	0.500	0.042

**Project Name:** 266-270 W. 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047884  
**Report Date:** 11/16/20

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 134,LCMSMS-ID  
Analytical Date: 11/08/20 04:02  
Analyst: SG

Extraction Method: ALPHA 23528  
Extraction Date: 11/06/20 10:34

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-07 Batch: WG1431203-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	94		60-153
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	95		65-182
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	97		70-151
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	92		61-147
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	97		62-149
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	106		63-166
Perfluoro[13C8]Octanoic Acid (M8PFOA)	92		62-152
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	80		32-182
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	89		61-154
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	98		65-151
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	93		65-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	103		25-186
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	75		45-137
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	103		64-158
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	15		1-125
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	76		42-136
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	95		56-148
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	70		26-160

**Project Name:** 266-270 W. 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047884  
**Report Date:** 11/16/20

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 134,LCMSMS-ID  
Analytical Date: 11/09/20 12:35  
Analyst: RS

Extraction Method: ALPHA 23528  
Extraction Date: 11/06/20 10:34

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-07 Batch: WG1431203-1					
Perfluorooctanesulfonamide (FOSA)	ND		ug/kg	0.500	0.098

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	95		1-125

**Project Name:** 266-270 W. 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047884  
**Report Date:** 11/16/20

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8270D-SIM  
Analytical Date: 11/07/20 20:01  
Analyst: PS

Extraction Method: EPA 3510C  
Extraction Date: 11/06/20 11:00

Parameter	Result	Qualifier	Units	RL	MDL
1,4 Dioxane by 8270D-SIM - Mansfield Lab for sample(s): 10 Batch: WG1431212-1					
1,4-Dioxane	ND		ng/l	150	33.9

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	57		15-110

**Project Name:** 266-270 W. 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047884  
**Report Date:** 11/16/20

**Method Blank Analysis**  
**Batch Quality Control**

**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 11/12/20 16:43  
**Analyst:** SG

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 11/12/20 05:15

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 09-10 Batch: WG1433347-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/l	2.00	0.408
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	2.00	0.396
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	2.00	0.238
Perfluorohexanoic Acid (PFHxA)	0.372	JF	ng/l	2.00	0.328
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	2.00	0.225
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	2.00	0.376
Perfluorooctanoic Acid (PFOA)	ND		ng/l	2.00	0.236
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	2.00	1.33
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	2.00	0.688
Perfluorononanoic Acid (PFNA)	ND		ng/l	2.00	0.312
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	2.00	0.504
Perfluorodecanoic Acid (PFDA)	ND		ng/l	2.00	0.304
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	2.00	1.21
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	2.00	0.648
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	2.00	0.260
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	2.00	0.980
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	2.00	0.580
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	2.00	0.804
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	2.00	0.372
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	2.00	0.327
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	2.00	0.248
PFOA/PFOS, Total	ND		ng/l	2.00	0.236

**Project Name:** 266-270 W. 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047884  
**Report Date:** 11/16/20

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 134,LCMSMS-ID  
Analytical Date: 11/12/20 16:43  
Analyst: SG

Extraction Method: ALPHA 23528  
Extraction Date: 11/12/20 05:15

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 09-10 Batch: WG1433347-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	82		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	87		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	82		31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	82		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	87		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	93		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	82		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	168		1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	79		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	82		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	79		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	191	Q	7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	63		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	88		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	16		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	71		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	82		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	63		33-143



## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 266-270 W. 96TH ST

Project Number: 170432001

Lab Number: L2047884

Report Date: 11/16/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 10 Batch: WG1429479-2 WG1429479-3								
Acenaphthene	73		86		37-111	16		30
1,2,4-Trichlorobenzene	61		77		39-98	23		30
Hexachlorobenzene	66		80		40-140	19		30
Bis(2-chloroethyl)ether	67		81		40-140	19		30
2-Chloronaphthalene	68		82		40-140	19		30
1,2-Dichlorobenzene	61		75		40-140	21		30
1,3-Dichlorobenzene	60		74		40-140	21		30
1,4-Dichlorobenzene	62		75		36-97	19		30
3,3'-Dichlorobenzidine	72		85		40-140	17		30
2,4-Dinitrotoluene	77		89		48-143	14		30
2,6-Dinitrotoluene	76		88		40-140	15		30
Fluoranthene	73		87		40-140	18		30
4-Chlorophenyl phenyl ether	67		80		40-140	18		30
4-Bromophenyl phenyl ether	67		81		40-140	19		30
Bis(2-chloroisopropyl)ether	69		86		40-140	22		30
Bis(2-chloroethoxy)methane	69		83		40-140	18		30
Hexachlorobutadiene	68		78		40-140	14		30
Hexachlorocyclopentadiene	73		90		40-140	21		30
Hexachloroethane	61		78		40-140	24		30
Isophorone	71		86		40-140	19		30
Naphthalene	68		84		40-140	21		30
Nitrobenzene	79		93		40-140	16		30
NDPA/DPA	71		84		40-140	17		30

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 266-270 W. 96TH ST

Project Number: 170432001

Lab Number: L2047884

Report Date: 11/16/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 10 Batch: WG1429479-2 WG1429479-3								
n-Nitrosodi-n-propylamine	73		92		29-132	23		30
Bis(2-ethylhexyl)phthalate	75		91		40-140	19		30
Butyl benzyl phthalate	77		90		40-140	16		30
Di-n-butylphthalate	68		85		40-140	22		30
Di-n-octylphthalate	76		92		40-140	19		30
Diethyl phthalate	67		83		40-140	21		30
Dimethyl phthalate	71		84		40-140	17		30
Benzo(a)anthracene	80		95		40-140	17		30
Benzo(a)pyrene	83		97		40-140	16		30
Benzo(b)fluoranthene	86		100		40-140	15		30
Benzo(k)fluoranthene	74		90		40-140	20		30
Chrysene	72		86		40-140	18		30
Acenaphthylene	79		95		45-123	18		30
Anthracene	75		91		40-140	19		30
Benzo(ghi)perylene	80		95		40-140	17		30
Fluorene	68		83		40-140	20		30
Phenanthrene	73		88		40-140	19		30
Dibenzo(a,h)anthracene	76		91		40-140	18		30
Indeno(1,2,3-cd)pyrene	80		92		40-140	14		30
Pyrene	71		86		26-127	19		30
Biphenyl	71		86		40-140	19		30
4-Chloroaniline	56		72		40-140	25		30
2-Nitroaniline	82		99		52-143	19		30

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 266-270 W. 96TH ST

Project Number: 170432001

Lab Number: L2047884

Report Date: 11/16/20

Parameter	LCS		LCSD		%Recovery Limits	RPD	RPD	
	%Recovery	Qual	%Recovery	Qual			Qual	Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 10 Batch: WG1429479-2 WG1429479-3								
3-Nitroaniline	68		85		25-145	22		30
4-Nitroaniline	72		86		51-143	18		30
Dibenzofuran	68		82		40-140	19		30
2-Methylnaphthalene	71		85		40-140	18		30
1,2,4,5-Tetrachlorobenzene	72		86		2-134	18		30
Acetophenone	67		81		39-129	19		30
2,4,6-Trichlorophenol	80		96		30-130	18		30
p-Chloro-m-cresol	81		94		23-97	15		30
2-Chlorophenol	69		87		27-123	23		30
2,4-Dichlorophenol	76		91		30-130	18		30
2,4-Dimethylphenol	65		61		30-130	6		30
2-Nitrophenol	95		113		30-130	17		30
4-Nitrophenol	62		74		10-80	18		30
2,4-Dinitrophenol	100		117		20-130	16		30
4,6-Dinitro-o-cresol	88		102		20-164	15		30
Pentachlorophenol	80		90		9-103	12		30
Phenol	53		65		12-110	20		30
2-Methylphenol	68		80		30-130	16		30
3-Methylphenol/4-Methylphenol	73		88		30-130	19		30
2,4,5-Trichlorophenol	77		92		30-130	18		30
Benzoic Acid	66		82		10-164	22		30
Benzyl Alcohol	68		86		26-116	23		30
Carbazole	74		91		55-144	21		30

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 266-270 W. 96TH ST

Project Number: 170432001

Lab Number: L2047884

Report Date: 11/16/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
-----------	------------------	------	-------------------	------	---------------------	-----	------	---------------

Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 10 Batch: WG1429479-2 WG1429479-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	63		80		21-120
Phenol-d6	56		71		10-120
Nitrobenzene-d5	83		104		23-120
2-Fluorobiphenyl	74		90		15-120
2,4,6-Tribromophenol	100		<b>124</b>	Q	10-120
4-Terphenyl-d14	76		93		41-149

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 266-270 W. 96TH ST

Project Number: 170432001

Lab Number: L2047884

Report Date: 11/16/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 10 Batch: WG1429481-2 WG1429481-3								
Acenaphthene	70		68		40-140	3		40
2-Chloronaphthalene	74		68		40-140	8		40
Fluoranthene	78		76		40-140	3		40
Hexachlorobutadiene	56		60		40-140	7		40
Naphthalene	66		67		40-140	2		40
Benzo(a)anthracene	78		76		40-140	3		40
Benzo(a)pyrene	89		87		40-140	2		40
Benzo(b)fluoranthene	80		81		40-140	1		40
Benzo(k)fluoranthene	89		85		40-140	5		40
Chrysene	83		83		40-140	0		40
Acenaphthylene	70		70		40-140	0		40
Anthracene	79		78		40-140	1		40
Benzo(ghi)perylene	75		74		40-140	1		40
Fluorene	70		68		40-140	3		40
Phenanthrene	73		71		40-140	3		40
Dibenzo(a,h)anthracene	81		79		40-140	3		40
Indeno(1,2,3-cd)pyrene	74		74		40-140	0		40
Pyrene	78		77		40-140	1		40
2-Methylnaphthalene	64		64		40-140	0		40
Pentachlorophenol	112		104		40-140	7		40
Hexachlorobenzene	72		70		40-140	3		40
Hexachloroethane	69		70		40-140	1		40

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 266-270 W. 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047884  
**Report Date:** 11/16/20

Parameter	<i>LCS</i> %Recovery	<i>Qual</i>	<i>LCSD</i> %Recovery	<i>Qual</i>	<i>%Recovery</i> Limits	<i>RPD</i>	<i>Qual</i>	<i>RPD</i> Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 10 Batch: WG1429481-2 WG1429481-3								

<i>Surrogate</i>	<i>LCS</i> %Recovery	<i>Qual</i>	<i>LCSD</i> %Recovery	<i>Qual</i>	<i>Acceptance</i> Criteria
2-Fluorophenol	56		53		21-120
Phenol-d6	52		49		10-120
Nitrobenzene-d5	88		88		23-120
2-Fluorobiphenyl	64		64		15-120
2,4,6-Tribromophenol	71		53		10-120
4-Terphenyl-d14	72		70		41-149

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 266-270 W. 96TH ST

Project Number: 170432001

Lab Number: L2047884

Report Date: 11/16/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG1429745-2 WG1429745-3								
Acenaphthene	69		66		31-137	4		50
1,2,4-Trichlorobenzene	64		62		38-107	3		50
Hexachlorobenzene	89		90		40-140	1		50
Bis(2-chloroethyl)ether	63		60		40-140	5		50
2-Chloronaphthalene	73		66		40-140	10		50
1,2-Dichlorobenzene	61		58		40-140	5		50
1,3-Dichlorobenzene	61		58		40-140	5		50
1,4-Dichlorobenzene	63		57		28-104	10		50
3,3'-Dichlorobenzidine	71		67		40-140	6		50
2,4-Dinitrotoluene	71		71		40-132	0		50
2,6-Dinitrotoluene	80		74		40-140	8		50
Fluoranthene	72		68		40-140	6		50
4-Chlorophenyl phenyl ether	72		71		40-140	1		50
4-Bromophenyl phenyl ether	81		80		40-140	1		50
Bis(2-chloroisopropyl)ether	53		52		40-140	2		50
Bis(2-chloroethoxy)methane	67		64		40-117	5		50
Hexachlorobutadiene	72		68		40-140	6		50
Hexachlorocyclopentadiene	47		43		40-140	9		50
Hexachloroethane	61		59		40-140	3		50
Isophorone	67		65		40-140	3		50
Naphthalene	66		62		40-140	6		50
Nitrobenzene	60		58		40-140	3		50
NDPA/DPA	70		68		36-157	3		50

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 266-270 W. 96TH ST

Project Number: 170432001

Lab Number: L2047884

Report Date: 11/16/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG1429745-2 WG1429745-3								
n-Nitrosodi-n-propylamine	67		63		32-121	6		50
Bis(2-ethylhexyl)phthalate	80		78		40-140	3		50
Butyl benzyl phthalate	80		75		40-140	6		50
Di-n-butylphthalate	82		77		40-140	6		50
Di-n-octylphthalate	77		75		40-140	3		50
Diethyl phthalate	73		72		40-140	1		50
Dimethyl phthalate	76		72		40-140	5		50
Benzo(a)anthracene	70		67		40-140	4		50
Benzo(a)pyrene	69		66		40-140	4		50
Benzo(b)fluoranthene	72		67		40-140	7		50
Benzo(k)fluoranthene	74		69		40-140	7		50
Chrysene	67		65		40-140	3		50
Acenaphthylene	79		75		40-140	5		50
Anthracene	73		69		40-140	6		50
Benzo(ghi)perylene	73		72		40-140	1		50
Fluorene	69		68		40-140	1		50
Phenanthrene	70		66		40-140	6		50
Dibenzo(a,h)anthracene	75		72		40-140	4		50
Indeno(1,2,3-cd)pyrene	72		68		40-140	6		50
Pyrene	72		69		35-142	4		50
Biphenyl	78		72		37-127	8		50
4-Chloroaniline	62		60		40-140	3		50
2-Nitroaniline	79		71		47-134	11		50



## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 266-270 W. 96TH ST

Lab Number: L2047884

Project Number: 170432001

Report Date: 11/16/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG1429745-2 WG1429745-3								
3-Nitroaniline	62		60		26-129	3		50
4-Nitroaniline	64		62		41-125	3		50
Dibenzofuran	71		67		40-140	6		50
2-Methylnaphthalene	68		64		40-140	6		50
1,2,4,5-Tetrachlorobenzene	89		80		40-117	11		50
Acetophenone	65		62		14-144	5		50
2,4,6-Trichlorophenol	82		75		30-130	9		50
p-Chloro-m-cresol	73		69		26-103	6		50
2-Chlorophenol	70		67		25-102	4		50
2,4-Dichlorophenol	74		72		30-130	3		50
2,4-Dimethylphenol	71		70		30-130	1		50
2-Nitrophenol	70		64		30-130	9		50
4-Nitrophenol	55		53		11-114	4		50
2,4-Dinitrophenol	64		65		4-130	2		50
4,6-Dinitro-o-cresol	70		70		10-130	0		50
Pentachlorophenol	67		67		17-109	0		50
Phenol	61		58		26-90	5		50
2-Methylphenol	68		68		30-130.	0		50
3-Methylphenol/4-Methylphenol	75		70		30-130	7		50
2,4,5-Trichlorophenol	82		75		30-130	9		50
Benzoic Acid	72		72		10-110	0		50
Benzyl Alcohol	67		64		40-140	5		50
Carbazole	71		68		54-128	4		50

### Lab Control Sample Analysis Batch Quality Control

**Project Name:** 266-270 W. 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047884  
**Report Date:** 11/16/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG1429745-2 WG1429745-3								
1,4-Dioxane	40		38	Q	40-140	5		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	71		69		25-120
Phenol-d6	70		65		10-120
Nitrobenzene-d5	66		61		23-120
2-Fluorobiphenyl	82		75		30-120
2,4,6-Tribromophenol	99		97		10-136
4-Terphenyl-d14	87		86		18-120

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 266-270 W. 96TH ST

Lab Number: L2047884

Project Number: 170432001

Report Date: 11/16/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-07 Batch: WG1431203-2 WG1431203-3								
Perfluorobutanoic Acid (PFBA)	109		107		71-135	2		30
Perfluoropentanoic Acid (PFPeA)	111		110		69-132	1		30
Perfluorobutanesulfonic Acid (PFBS)	112		109		72-128	3		30
Perfluorohexanoic Acid (PFHxA)	110		112		70-132	2		30
Perfluoroheptanoic Acid (PFHpA)	108		108		71-131	0		30
Perfluorohexanesulfonic Acid (PFHxS)	111		110		67-130	1		30
Perfluorooctanoic Acid (PFOA)	106		107		69-133	1		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	119		123		64-140	3		30
Perfluoroheptanesulfonic Acid (PFHpS)	103		102		70-132	1		30
Perfluorononanoic Acid (PFNA)	114		109		72-129	4		30
Perfluorooctanesulfonic Acid (PFOS)	109		111		68-136	2		30
Perfluorodecanoic Acid (PFDA)	108		106		69-133	2		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	121		132		65-137	9		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	126		112		63-144	12		30
Perfluoroundecanoic Acid (PFUnA)	109		112		64-136	3		30
Perfluorodecanesulfonic Acid (PFDS)	120		106		59-134	12		30
Perfluorooctanesulfonamide (FOSA)	111		101		67-137	9		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	111		108		61-139	3		30
Perfluorododecanoic Acid (PFDoA)	113		113		69-135	0		30
Perfluorotridecanoic Acid (PFTrDA)	109		104		66-139	5		30
Perfluorotetradecanoic Acid (PFTA)	112		109		69-133	3		30

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 266-270 W. 96TH ST

Lab Number: L2047884

Project Number: 170432001

Report Date: 11/16/20

Parameter	LCS		LCSD		%Recovery		RPD	RPD	
	%Recovery	Qual	%Recovery	Qual	Limits			Qual	Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-07 Batch: WG1431203-2 WG1431203-3									

Surrogate (Extracted Internal Standard)	LCS		LCSD		Acceptance Criteria
	%Recovery	Qual	%Recovery	Qual	
Perfluoro[13C4]Butanoic Acid (MPFBA)	90		93		60-153
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	92		95		65-182
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	92		94		70-151
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	88		89		61-147
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	92		96		62-149
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	101		103		63-166
Perfluoro[13C8]Octanoic Acid (M8PFOA)	91		92		62-152
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	86		90		32-182
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	85		88		61-154
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	92		96		65-151
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	89		92		65-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	108		106		25-186
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	68		74		45-137
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	100		98		64-158
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	11		21		1-125
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	77		73		42-136
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	90		93		56-148
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	67		69		26-160

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 266-270 W. 96TH ST

Project Number: 170432001

Lab Number: L2047884

Report Date: 11/16/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-07 Batch: WG1431203-2 WG1431203-3								
Perfluorooctanesulfonamide (FOSA)	106		102		67-137	4		30

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	89		98		1-125

### Lab Control Sample Analysis Batch Quality Control

**Project Name:** 266-270 W. 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047884  
**Report Date:** 11/16/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
1,4 Dioxane by 8270D-SIM - Mansfield Lab Associated sample(s): 10 Batch: WG1431212-2 WG1431212-3								
1,4-Dioxane	108		108		40-140	0		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,4-Dioxane-d8	58		55		15-110

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 266-270 W. 96TH ST

Lab Number: L2047884

Project Number: 170432001

Report Date: 11/16/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 09-10 Batch: WG1433347-2 WG1433347-3								
Perfluorobutanoic Acid (PFBA)	130		130		67-148	0		30
Perfluoropentanoic Acid (PFPeA)	132		132		63-161	0		30
Perfluorobutanesulfonic Acid (PFBS)	128		131		65-157	2		30
Perfluorohexanoic Acid (PFHxA)	132		133		69-168	1		30
Perfluoroheptanoic Acid (PFHpA)	129		130		58-159	1		30
Perfluorohexanesulfonic Acid (PFHxS)	128		134		69-177	5		30
Perfluorooctanoic Acid (PFOA)	132		128		63-159	3		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	143		151		49-187	5		30
Perfluoroheptanesulfonic Acid (PFHpS)	126		125		61-179	1		30
Perfluorononanoic Acid (PFNA)	132		135		68-171	2		30
Perfluorooctanesulfonic Acid (PFOS)	135		134		52-151	1		30
Perfluorodecanoic Acid (PFDA)	128		130		63-171	2		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	144		148		56-173	3		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	140		139		60-166	1		30
Perfluoroundecanoic Acid (PFUnA)	133		128		60-153	4		30
Perfluorodecanesulfonic Acid (PFDS)	137		144		38-156	5		30
Perfluorooctanesulfonamide (FOSA)	130		124		46-170	5		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	129		124		45-170	4		30
Perfluorododecanoic Acid (PFDoA)	136		136		67-153	0		30
Perfluorotridecanoic Acid (PFTrDA)	128		131		48-158	2		30
Perfluorotetradecanoic Acid (PFTA)	137		132		59-182	4		30

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 266-270 W. 96TH ST

Lab Number: L2047884

Project Number: 170432001

Report Date: 11/16/20

Parameter	LCS		LCSD		%Recovery		RPD	RPD	
	%Recovery	Qual	%Recovery	Qual	Limits			Qual	Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 09-10 Batch: WG1433347-2 WG1433347-3									

Surrogate (Extracted Internal Standard)	LCS		LCSD		Acceptance Criteria
	%Recovery	Qual	%Recovery	Qual	
Perfluoro[13C4]Butanoic Acid (MPFBA)	85		83		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	91		88		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	87		85		31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	87		84		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	89		88		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	97		92		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	83		83		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	166		161		1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	79		77		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	86		86		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	82		82		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	191	Q	185	Q	7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	75		77		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	88		91		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	16		23		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	77		80		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	86		86		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	65		66		33-143



# PCBS

**Project Name:** 266-270 W. 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047884  
**Report Date:** 11/16/20

**SAMPLE RESULTS**

Lab ID: L2047884-01  
 Client ID: SB12\_0-1  
 Sample Location: NY, NY

Date Collected: 11/02/20 09:30  
 Date Received: 11/02/20  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8082A  
 Analytical Date: 11/03/20 21:40  
 Analyst: AD  
 Percent Solids: 87%

Extraction Method: EPA 3546  
 Extraction Date: 11/03/20 09:14  
 Cleanup Method: EPA 3665A  
 Cleanup Date: 11/03/20  
 Cleanup Method: EPA 3660B  
 Cleanup Date: 11/03/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Polychlorinated Biphenyls by GC - Westborough Lab</b>							
Aroclor 1016	ND		ug/kg	37.2	3.30	1	A
Aroclor 1221	ND		ug/kg	37.2	3.73	1	A
Aroclor 1232	ND		ug/kg	37.2	7.88	1	A
Aroclor 1242	ND		ug/kg	37.2	5.01	1	A
Aroclor 1248	ND		ug/kg	37.2	5.58	1	A
Aroclor 1254	ND		ug/kg	37.2	4.07	1	A
Aroclor 1260	ND		ug/kg	37.2	6.87	1	A
Aroclor 1262	ND		ug/kg	37.2	4.72	1	A
Aroclor 1268	ND		ug/kg	37.2	3.85	1	A
PCBs, Total	ND		ug/kg	37.2	3.30	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	38		30-150	A
Decachlorobiphenyl	49		30-150	A
2,4,5,6-Tetrachloro-m-xylene	43		30-150	B
Decachlorobiphenyl	44		30-150	B

**Project Name:** 266-270 W. 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047884  
**Report Date:** 11/16/20

**SAMPLE RESULTS**

Lab ID: L2047884-02  
 Client ID: SB12\_3.5-5  
 Sample Location: NY, NY

Date Collected: 11/02/20 09:10  
 Date Received: 11/02/20  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8082A  
 Analytical Date: 11/03/20 21:46  
 Analyst: AD  
 Percent Solids: 87%

Extraction Method: EPA 3546  
 Extraction Date: 11/03/20 09:14  
 Cleanup Method: EPA 3665A  
 Cleanup Date: 11/03/20  
 Cleanup Method: EPA 3660B  
 Cleanup Date: 11/03/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Polychlorinated Biphenyls by GC - Westborough Lab</b>							
Aroclor 1016	ND		ug/kg	36.1	3.21	1	A
Aroclor 1221	ND		ug/kg	36.1	3.62	1	A
Aroclor 1232	ND		ug/kg	36.1	7.66	1	A
Aroclor 1242	ND		ug/kg	36.1	4.87	1	A
Aroclor 1248	ND		ug/kg	36.1	5.42	1	A
Aroclor 1254	ND		ug/kg	36.1	3.95	1	A
Aroclor 1260	ND		ug/kg	36.1	6.68	1	A
Aroclor 1262	ND		ug/kg	36.1	4.59	1	A
Aroclor 1268	ND		ug/kg	36.1	3.74	1	A
PCBs, Total	ND		ug/kg	36.1	3.21	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	41		30-150	A
Decachlorobiphenyl	51		30-150	A
2,4,5,6-Tetrachloro-m-xylene	44		30-150	B
Decachlorobiphenyl	44		30-150	B

**Project Name:** 266-270 W. 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047884  
**Report Date:** 11/16/20

**SAMPLE RESULTS**

Lab ID: L2047884-03  
 Client ID: SB12\_11-12.5  
 Sample Location: NY, NY

Date Collected: 11/02/20 10:00  
 Date Received: 11/02/20  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8082A  
 Analytical Date: 11/03/20 21:53  
 Analyst: AD  
 Percent Solids: 86%

Extraction Method: EPA 3546  
 Extraction Date: 11/03/20 09:14  
 Cleanup Method: EPA 3665A  
 Cleanup Date: 11/03/20  
 Cleanup Method: EPA 3660B  
 Cleanup Date: 11/03/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Polychlorinated Biphenyls by GC - Westborough Lab</b>							
Aroclor 1016	ND		ug/kg	36.8	3.26	1	A
Aroclor 1221	ND		ug/kg	36.8	3.68	1	A
Aroclor 1232	ND		ug/kg	36.8	7.79	1	A
Aroclor 1242	ND		ug/kg	36.8	4.96	1	A
Aroclor 1248	ND		ug/kg	36.8	5.51	1	A
Aroclor 1254	ND		ug/kg	36.8	4.02	1	A
Aroclor 1260	ND		ug/kg	36.8	6.79	1	A
Aroclor 1262	ND		ug/kg	36.8	4.67	1	A
Aroclor 1268	ND		ug/kg	36.8	3.81	1	A
PCBs, Total	ND		ug/kg	36.8	3.26	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	40		30-150	A
Decachlorobiphenyl	47		30-150	A
2,4,5,6-Tetrachloro-m-xylene	43		30-150	B
Decachlorobiphenyl	39		30-150	B

**Project Name:** 266-270 W. 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047884  
**Report Date:** 11/16/20

**SAMPLE RESULTS**

Lab ID: L2047884-04  
 Client ID: SB13\_0-1.5  
 Sample Location: NY, NY

Date Collected: 11/02/20 12:50  
 Date Received: 11/02/20  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8082A  
 Analytical Date: 11/05/20 10:10  
 Analyst: JAW  
 Percent Solids: 87%

Extraction Method: EPA 3546  
 Extraction Date: 11/04/20 08:37  
 Cleanup Method: EPA 3665A  
 Cleanup Date: 11/05/20  
 Cleanup Method: EPA 3660B  
 Cleanup Date: 11/05/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Polychlorinated Biphenyls by GC - Westborough Lab</b>							
Aroclor 1016	ND		ug/kg	37.8	3.36	1	A
Aroclor 1221	ND		ug/kg	37.8	3.79	1	A
Aroclor 1232	ND		ug/kg	37.8	8.01	1	A
Aroclor 1242	ND		ug/kg	37.8	5.10	1	A
Aroclor 1248	ND		ug/kg	37.8	5.67	1	A
Aroclor 1254	ND		ug/kg	37.8	4.14	1	A
Aroclor 1260	ND		ug/kg	37.8	6.99	1	A
Aroclor 1262	ND		ug/kg	37.8	4.80	1	A
Aroclor 1268	ND		ug/kg	37.8	3.92	1	A
PCBs, Total	ND		ug/kg	37.8	3.36	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	36		30-150	A
Decachlorobiphenyl	40		30-150	A
2,4,5,6-Tetrachloro-m-xylene	41		30-150	B
Decachlorobiphenyl	64		30-150	B

**Project Name:** 266-270 W. 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047884  
**Report Date:** 11/16/20

**SAMPLE RESULTS**

Lab ID: L2047884-05  
 Client ID: SB13\_4-6  
 Sample Location: NY, NY

Date Collected: 11/02/20 13:15  
 Date Received: 11/02/20  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8082A  
 Analytical Date: 11/05/20 18:11  
 Analyst: JAW  
 Percent Solids: 86%

Extraction Method: EPA 3546  
 Extraction Date: 11/05/20 11:29  
 Cleanup Method: EPA 3665A  
 Cleanup Date: 11/05/20  
 Cleanup Method: EPA 3660B  
 Cleanup Date: 11/05/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Polychlorinated Biphenyls by GC - Westborough Lab</b>							
Aroclor 1016	ND		ug/kg	37.5	3.33	1	A
Aroclor 1221	ND		ug/kg	37.5	3.76	1	A
Aroclor 1232	ND		ug/kg	37.5	7.96	1	A
Aroclor 1242	ND		ug/kg	37.5	5.06	1	A
Aroclor 1248	ND		ug/kg	37.5	5.63	1	A
Aroclor 1254	ND		ug/kg	37.5	4.10	1	A
Aroclor 1260	ND		ug/kg	37.5	6.94	1	A
Aroclor 1262	ND		ug/kg	37.5	4.77	1	A
Aroclor 1268	ND		ug/kg	37.5	3.89	1	A
PCBs, Total	ND		ug/kg	37.5	3.33	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	54		30-150	A
Decachlorobiphenyl	63		30-150	A
2,4,5,6-Tetrachloro-m-xylene	52		30-150	B
Decachlorobiphenyl	80		30-150	B

**Project Name:** 266-270 W. 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047884  
**Report Date:** 11/16/20

**SAMPLE RESULTS**

Lab ID: L2047884-06  
 Client ID: SB13\_7.5-9  
 Sample Location: NY, NY

Date Collected: 11/02/20 13:30  
 Date Received: 11/02/20  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8082A  
 Analytical Date: 11/03/20 22:14  
 Analyst: AD  
 Percent Solids: 84%

Extraction Method: EPA 3546  
 Extraction Date: 11/03/20 09:14  
 Cleanup Method: EPA 3665A  
 Cleanup Date: 11/03/20  
 Cleanup Method: EPA 3660B  
 Cleanup Date: 11/03/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Polychlorinated Biphenyls by GC - Westborough Lab</b>							
Aroclor 1016	ND		ug/kg	37.8	3.35	1	A
Aroclor 1221	ND		ug/kg	37.8	3.78	1	A
Aroclor 1232	ND		ug/kg	37.8	8.01	1	A
Aroclor 1242	ND		ug/kg	37.8	5.09	1	A
Aroclor 1248	ND		ug/kg	37.8	5.66	1	A
Aroclor 1254	ND		ug/kg	37.8	4.13	1	A
Aroclor 1260	ND		ug/kg	37.8	6.98	1	A
Aroclor 1262	ND		ug/kg	37.8	4.80	1	A
Aroclor 1268	ND		ug/kg	37.8	3.91	1	A
PCBs, Total	ND		ug/kg	37.8	3.35	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	34		30-150	A
Decachlorobiphenyl	39		30-150	A
2,4,5,6-Tetrachloro-m-xylene	30		30-150	B
Decachlorobiphenyl	31		30-150	B

**Project Name:** 266-270 W. 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047884  
**Report Date:** 11/16/20

**SAMPLE RESULTS**

Lab ID: L2047884-07  
 Client ID: SBDUP01\_11022020  
 Sample Location: NY, NY

Date Collected: 11/02/20 00:00  
 Date Received: 11/02/20  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8082A  
 Analytical Date: 11/05/20 10:24  
 Analyst: JAW  
 Percent Solids: 85%

Extraction Method: EPA 3546  
 Extraction Date: 11/04/20 08:37  
 Cleanup Method: EPA 3665A  
 Cleanup Date: 11/05/20  
 Cleanup Method: EPA 3660B  
 Cleanup Date: 11/05/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Polychlorinated Biphenyls by GC - Westborough Lab</b>							
Aroclor 1016	ND		ug/kg	37.8	3.36	1	A
Aroclor 1221	ND		ug/kg	37.8	3.79	1	A
Aroclor 1232	ND		ug/kg	37.8	8.01	1	A
Aroclor 1242	ND		ug/kg	37.8	5.09	1	A
Aroclor 1248	ND		ug/kg	37.8	5.67	1	A
Aroclor 1254	ND		ug/kg	37.8	4.13	1	A
Aroclor 1260	ND		ug/kg	37.8	6.98	1	A
Aroclor 1262	ND		ug/kg	37.8	4.80	1	A
Aroclor 1268	ND		ug/kg	37.8	3.92	1	A
PCBs, Total	ND		ug/kg	37.8	3.36	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	36		30-150	A
Decachlorobiphenyl	38		30-150	A
2,4,5,6-Tetrachloro-m-xylene	41		30-150	B
Decachlorobiphenyl	49		30-150	B



**Project Name:** 266-270 W. 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047884  
**Report Date:** 11/16/20

**SAMPLE RESULTS**

**Lab ID:** L2047884-10  
**Client ID:** SBFB01\_11022020  
**Sample Location:** NY, NY

**Date Collected:** 11/02/20 14:30  
**Date Received:** 11/02/20  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Field Blank  
**Analytical Method:** 1,8082A  
**Analytical Date:** 11/04/20 09:30  
**Analyst:** CW

**Extraction Method:** EPA 3510C  
**Extraction Date:** 11/03/20 19:29  
**Cleanup Method:** EPA 3665A  
**Cleanup Date:** 11/04/20  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 11/04/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Polychlorinated Biphenyls by GC - Westborough Lab</b>							
Aroclor 1016	ND		ug/l	0.083	0.034	1	A
Aroclor 1221	ND		ug/l	0.083	0.067	1	A
Aroclor 1232	ND		ug/l	0.083	0.046	1	A
Aroclor 1242	ND		ug/l	0.083	0.039	1	A
Aroclor 1248	ND		ug/l	0.083	0.049	1	A
Aroclor 1254	ND		ug/l	0.083	0.039	1	A
Aroclor 1260	ND		ug/l	0.083	0.032	1	A
Aroclor 1262	ND		ug/l	0.083	0.035	1	A
Aroclor 1268	ND		ug/l	0.083	0.034	1	A
PCBs, Total	ND		ug/l	0.083	0.032	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	130		30-150	A
Decachlorobiphenyl	87		30-150	A
2,4,5,6-Tetrachloro-m-xylene	123		30-150	B
Decachlorobiphenyl	107		30-150	B

**Project Name:** 266-270 W. 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047884  
**Report Date:** 11/16/20

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 1,8082A  
Analytical Date: 11/03/20 09:49  
Analyst: JAW

Extraction Method: EPA 3546  
Extraction Date: 11/02/20 18:10  
Cleanup Method: EPA 3665A  
Cleanup Date: 11/03/20  
Cleanup Method: EPA 3660B  
Cleanup Date: 11/03/20

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-03,06 Batch: WG1429475-1						
Aroclor 1016	ND		ug/kg	31.9	2.83	A
Aroclor 1221	ND		ug/kg	31.9	3.20	A
Aroclor 1232	ND		ug/kg	31.9	6.76	A
Aroclor 1242	ND		ug/kg	31.9	4.30	A
Aroclor 1248	ND		ug/kg	31.9	4.79	A
Aroclor 1254	ND		ug/kg	31.9	3.49	A
Aroclor 1260	ND		ug/kg	31.9	5.90	A
Aroclor 1262	ND		ug/kg	31.9	4.05	A
Aroclor 1268	ND		ug/kg	31.9	3.30	A
PCBs, Total	ND		ug/kg	31.9	2.83	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	56		30-150	A
Decachlorobiphenyl	46		30-150	A
2,4,5,6-Tetrachloro-m-xylene	56		30-150	B
Decachlorobiphenyl	51		30-150	B

**Project Name:** 266-270 W. 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047884  
**Report Date:** 11/16/20

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 1,8082A  
Analytical Date: 11/03/20 16:12  
Analyst: CW

Extraction Method: EPA 3510C  
Extraction Date: 11/02/20 20:27  
Cleanup Method: EPA 3665A  
Cleanup Date: 11/03/20  
Cleanup Method: EPA 3660B  
Cleanup Date: 11/03/20

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 10 Batch: WG1429508-1						
Aroclor 1016	ND		ug/l	0.083	0.034	A
Aroclor 1221	ND		ug/l	0.083	0.067	A
Aroclor 1232	ND		ug/l	0.083	0.046	A
Aroclor 1242	ND		ug/l	0.083	0.039	A
Aroclor 1248	ND		ug/l	0.083	0.049	A
Aroclor 1254	ND		ug/l	0.083	0.039	A
Aroclor 1260	ND		ug/l	0.083	0.032	A
Aroclor 1262	ND		ug/l	0.083	0.035	A
Aroclor 1268	ND		ug/l	0.083	0.034	A
PCBs, Total	ND		ug/l	0.083	0.032	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	52		30-150	A
Decachlorobiphenyl	48		30-150	A
2,4,5,6-Tetrachloro-m-xylene	53		30-150	B
Decachlorobiphenyl	50		30-150	B

**Project Name:** 266-270 W. 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047884  
**Report Date:** 11/16/20

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 1,8082A  
Analytical Date: 11/04/20 00:13  
Analyst: JM

Extraction Method: EPA 3546  
Extraction Date: 11/03/20 12:37  
Cleanup Method: EPA 3665A  
Cleanup Date: 11/03/20  
Cleanup Method: EPA 3660B  
Cleanup Date: 11/03/20

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 04,07 Batch: WG1429832-1						
Aroclor 1016	ND		ug/kg	32.2	2.86	A
Aroclor 1221	ND		ug/kg	32.2	3.23	A
Aroclor 1232	ND		ug/kg	32.2	6.82	A
Aroclor 1242	ND		ug/kg	32.2	4.34	A
Aroclor 1248	ND		ug/kg	32.2	4.83	A
Aroclor 1254	ND		ug/kg	32.2	3.52	A
Aroclor 1260	ND		ug/kg	32.2	5.95	A
Aroclor 1262	ND		ug/kg	32.2	4.09	A
Aroclor 1268	ND		ug/kg	32.2	3.34	A
PCBs, Total	ND		ug/kg	32.2	2.86	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		30-150	A
Decachlorobiphenyl	67		30-150	A
2,4,5,6-Tetrachloro-m-xylene	77		30-150	B
Decachlorobiphenyl	70		30-150	B

**Project Name:** 266-270 W. 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047884  
**Report Date:** 11/16/20

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 1,8082A  
Analytical Date: 11/05/20 10:51  
Analyst: JAW

Extraction Method: EPA 3546  
Extraction Date: 11/04/20 13:25  
Cleanup Method: EPA 3665A  
Cleanup Date: 11/05/20  
Cleanup Method: EPA 3660B  
Cleanup Date: 11/05/20

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 05 Batch: WG1430373-1						
Aroclor 1016	ND		ug/kg	32.1	2.85	A
Aroclor 1221	ND		ug/kg	32.1	3.21	A
Aroclor 1232	ND		ug/kg	32.1	6.80	A
Aroclor 1242	ND		ug/kg	32.1	4.32	A
Aroclor 1248	ND		ug/kg	32.1	4.81	A
Aroclor 1254	ND		ug/kg	32.1	3.51	A
Aroclor 1260	ND		ug/kg	32.1	5.93	A
Aroclor 1262	ND		ug/kg	32.1	4.07	A
Aroclor 1268	ND		ug/kg	32.1	3.32	A
PCBs, Total	ND		ug/kg	32.1	2.85	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	58		30-150	A
Decachlorobiphenyl	74		30-150	A
2,4,5,6-Tetrachloro-m-xylene	62		30-150	B
Decachlorobiphenyl	66		30-150	B

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 266-270 W. 96TH ST

Lab Number: L2047884

Project Number: 170432001

Report Date: 11/16/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-03,06 Batch: WG1429475-2 WG1429475-3									
Aroclor 1016	56		58		40-140	4		50	A
Aroclor 1260	53		56		40-140	6		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	51		51		30-150	A
Decachlorobiphenyl	43		45		30-150	A
2,4,5,6-Tetrachloro-m-xylene	51		51		30-150	B
Decachlorobiphenyl	45		47		30-150	B

### Lab Control Sample Analysis Batch Quality Control

**Project Name:** 266-270 W. 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047884  
**Report Date:** 11/16/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 10 Batch: WG1429508-2 WG1429508-3									
Aroclor 1016	53		58		40-140	9		50	A
Aroclor 1260	46		51		40-140	9		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	52		57		30-150	A
Decachlorobiphenyl	43		47		30-150	A
2,4,5,6-Tetrachloro-m-xylene	51		55		30-150	B
Decachlorobiphenyl	49		52		30-150	B

### Lab Control Sample Analysis Batch Quality Control

**Project Name:** 266-270 W. 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047884  
**Report Date:** 11/16/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 04,07 Batch: WG1429832-2 WG1429832-3									
Aroclor 1016	68		76		40-140	11		50	A
Aroclor 1260	62		68		40-140	9		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	65		70		30-150	A
Decachlorobiphenyl	60		65		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		71		30-150	B
Decachlorobiphenyl	63		65		30-150	B



### Lab Control Sample Analysis Batch Quality Control

**Project Name:** 266-270 W. 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047884  
**Report Date:** 11/16/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 05 Batch: WG1430373-2 WG1430373-3									
Aroclor 1016	70		68		40-140	3		50	A
Aroclor 1260	67		70		40-140	4		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	59		58		30-150	A
Decachlorobiphenyl	78		78		30-150	A
2,4,5,6-Tetrachloro-m-xylene	63		61		30-150	B
Decachlorobiphenyl	67		71		30-150	B

# PESTICIDES

**Project Name:** 266-270 W. 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047884  
**Report Date:** 11/16/20

**SAMPLE RESULTS**

Lab ID: L2047884-01  
 Client ID: SB12\_0-1  
 Sample Location: NY, NY

Date Collected: 11/02/20 09:30  
 Date Received: 11/02/20  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8081B  
 Analytical Date: 11/04/20 19:37  
 Analyst: BM  
 Percent Solids: 87%

Extraction Method: EPA 3546  
 Extraction Date: 11/03/20 08:23  
 Cleanup Method: EPA 3620B  
 Cleanup Date: 11/04/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Organochlorine Pesticides by GC - Westborough Lab</b>							
Delta-BHC	ND		ug/kg	1.76	0.344	1	A
Lindane	ND		ug/kg	0.733	0.328	1	A
Alpha-BHC	ND		ug/kg	0.733	0.208	1	A
Beta-BHC	ND		ug/kg	1.76	0.667	1	A
Heptachlor	ND		ug/kg	0.880	0.394	1	A
Aldrin	ND		ug/kg	1.76	0.619	1	A
Heptachlor epoxide	ND		ug/kg	3.30	0.990	1	A
Endrin	ND		ug/kg	0.733	0.300	1	A
Endrin aldehyde	ND		ug/kg	2.20	0.770	1	A
Endrin ketone	ND		ug/kg	1.76	0.453	1	A
Dieldrin	ND		ug/kg	1.10	0.550	1	A
4,4'-DDE	ND		ug/kg	1.76	0.407	1	A
4,4'-DDD	ND		ug/kg	1.76	0.627	1	A
4,4'-DDT	ND		ug/kg	3.30	1.41	1	A
Endosulfan I	ND		ug/kg	1.76	0.416	1	A
Endosulfan II	ND		ug/kg	1.76	0.588	1	A
Endosulfan sulfate	ND		ug/kg	0.733	0.349	1	A
Methoxychlor	ND		ug/kg	3.30	1.03	1	A
Toxaphene	ND		ug/kg	33.0	9.24	1	A
cis-Chlordane	ND		ug/kg	2.20	0.613	1	A
trans-Chlordane	ND		ug/kg	2.20	0.580	1	A
Chlordane	ND		ug/kg	14.6	5.83	1	A

**Project Name:** 266-270 W. 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047884  
**Report Date:** 11/16/20

**SAMPLE RESULTS**

Lab ID: L2047884-01  
 Client ID: SB12\_0-1  
 Sample Location: NY, NY

Date Collected: 11/02/20 09:30  
 Date Received: 11/02/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
-----------	--------	-----------	-------	----	-----	-----------------	--------

## Organochlorine Pesticides by GC - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	91		30-150	A
Decachlorobiphenyl	55		30-150	A
2,4,5,6-Tetrachloro-m-xylene	96		30-150	B
Decachlorobiphenyl	48		30-150	B

**Project Name:** 266-270 W. 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047884  
**Report Date:** 11/16/20

**SAMPLE RESULTS**

Lab ID: L2047884-02  
 Client ID: SB12\_3.5-5  
 Sample Location: NY, NY

Date Collected: 11/02/20 09:10  
 Date Received: 11/02/20  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8081B  
 Analytical Date: 11/04/20 19:47  
 Analyst: BM  
 Percent Solids: 87%

Extraction Method: EPA 3546  
 Extraction Date: 11/03/20 08:23  
 Cleanup Method: EPA 3620B  
 Cleanup Date: 11/04/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Organochlorine Pesticides by GC - Westborough Lab</b>							
Delta-BHC	ND		ug/kg	1.81	0.355	1	A
Lindane	ND		ug/kg	0.755	0.337	1	A
Alpha-BHC	ND		ug/kg	0.755	0.214	1	A
Beta-BHC	ND		ug/kg	1.81	0.687	1	A
Heptachlor	ND		ug/kg	0.906	0.406	1	A
Aldrin	ND		ug/kg	1.81	0.638	1	A
Heptachlor epoxide	ND		ug/kg	3.40	1.02	1	A
Endrin	ND		ug/kg	0.755	0.309	1	A
Endrin aldehyde	ND		ug/kg	2.26	0.792	1	A
Endrin ketone	ND		ug/kg	1.81	0.466	1	A
Dieldrin	ND		ug/kg	1.13	0.566	1	A
4,4'-DDE	ND		ug/kg	1.81	0.419	1	A
4,4'-DDD	ND		ug/kg	1.81	0.646	1	A
4,4'-DDT	ND		ug/kg	3.40	1.46	1	A
Endosulfan I	ND		ug/kg	1.81	0.428	1	A
Endosulfan II	ND		ug/kg	1.81	0.605	1	A
Endosulfan sulfate	ND		ug/kg	0.755	0.359	1	A
Methoxychlor	ND		ug/kg	3.40	1.06	1	A
Toxaphene	ND		ug/kg	34.0	9.51	1	A
cis-Chlordane	ND		ug/kg	2.26	0.631	1	A
trans-Chlordane	ND		ug/kg	2.26	0.598	1	A
Chlordane	ND		ug/kg	15.1	6.00	1	A

**Project Name:** 266-270 W. 96TH ST**Lab Number:** L2047884**Project Number:** 170432001**Report Date:** 11/16/20**SAMPLE RESULTS**

Lab ID: L2047884-02

Date Collected: 11/02/20 09:10

Client ID: SB12\_3.5-5

Date Received: 11/02/20

Sample Location: NY, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		30-150	A
Decachlorobiphenyl	96		30-150	A
2,4,5,6-Tetrachloro-m-xylene	93		30-150	B
Decachlorobiphenyl	69		30-150	B

**Project Name:** 266-270 W. 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047884  
**Report Date:** 11/16/20

**SAMPLE RESULTS**

Lab ID: L2047884-03  
 Client ID: SB12\_11-12.5  
 Sample Location: NY, NY

Date Collected: 11/02/20 10:00  
 Date Received: 11/02/20  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8081B  
 Analytical Date: 11/04/20 19:57  
 Analyst: BM  
 Percent Solids: 86%

Extraction Method: EPA 3546  
 Extraction Date: 11/03/20 08:23  
 Cleanup Method: EPA 3620B  
 Cleanup Date: 11/04/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Organochlorine Pesticides by GC - Westborough Lab</b>							
Delta-BHC	ND		ug/kg	1.76	0.346	1	A
Lindane	ND		ug/kg	0.736	0.329	1	A
Alpha-BHC	ND		ug/kg	0.736	0.209	1	A
Beta-BHC	ND		ug/kg	1.76	0.669	1	A
Heptachlor	ND		ug/kg	0.883	0.396	1	A
Aldrin	ND		ug/kg	1.76	0.622	1	A
Heptachlor epoxide	ND		ug/kg	3.31	0.993	1	A
Endrin	ND		ug/kg	0.736	0.302	1	A
Endrin aldehyde	ND		ug/kg	2.21	0.772	1	A
Endrin ketone	ND		ug/kg	1.76	0.455	1	A
Dieldrin	ND		ug/kg	1.10	0.552	1	A
4,4'-DDE	ND		ug/kg	1.76	0.408	1	A
4,4'-DDD	ND		ug/kg	1.76	0.630	1	A
4,4'-DDT	ND		ug/kg	3.31	1.42	1	A
Endosulfan I	ND		ug/kg	1.76	0.417	1	A
Endosulfan II	ND		ug/kg	1.76	0.590	1	A
Endosulfan sulfate	ND		ug/kg	0.736	0.350	1	A
Methoxychlor	ND		ug/kg	3.31	1.03	1	A
Toxaphene	ND		ug/kg	33.1	9.27	1	A
cis-Chlordane	ND		ug/kg	2.21	0.615	1	A
trans-Chlordane	ND		ug/kg	2.21	0.583	1	A
Chlordane	ND		ug/kg	14.7	5.85	1	A

**Project Name:** 266-270 W. 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047884  
**Report Date:** 11/16/20

**SAMPLE RESULTS**

Lab ID: L2047884-03  
 Client ID: SB12\_11-12.5  
 Sample Location: NY, NY

Date Collected: 11/02/20 10:00  
 Date Received: 11/02/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		30-150	A
Decachlorobiphenyl	87		30-150	A
2,4,5,6-Tetrachloro-m-xylene	86		30-150	B
Decachlorobiphenyl	67		30-150	B



**Project Name:** 266-270 W. 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047884  
**Report Date:** 11/16/20

**SAMPLE RESULTS**

Lab ID: L2047884-04  
 Client ID: SB13\_0-1.5  
 Sample Location: NY, NY

Date Collected: 11/02/20 12:50  
 Date Received: 11/02/20  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8081B  
 Analytical Date: 11/04/20 20:07  
 Analyst: BM  
 Percent Solids: 87%

Extraction Method: EPA 3546  
 Extraction Date: 11/03/20 08:23  
 Cleanup Method: EPA 3620B  
 Cleanup Date: 11/04/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Organochlorine Pesticides by GC - Westborough Lab</b>							
Delta-BHC	ND		ug/kg	1.75	0.343	1	A
Lindane	ND		ug/kg	0.731	0.327	1	A
Alpha-BHC	ND		ug/kg	0.731	0.208	1	A
Beta-BHC	ND		ug/kg	1.75	0.665	1	A
Heptachlor	ND		ug/kg	0.877	0.393	1	A
Aldrin	ND		ug/kg	1.75	0.617	1	A
Heptachlor epoxide	ND		ug/kg	3.29	0.986	1	A
Endrin	ND		ug/kg	0.731	0.300	1	A
Endrin aldehyde	ND		ug/kg	2.19	0.767	1	A
Endrin ketone	ND		ug/kg	1.75	0.452	1	A
Dieldrin	ND		ug/kg	1.10	0.548	1	A
4,4'-DDE	ND		ug/kg	1.75	0.406	1	A
4,4'-DDD	ND		ug/kg	1.75	0.626	1	A
4,4'-DDT	ND		ug/kg	3.29	1.41	1	A
Endosulfan I	ND		ug/kg	1.75	0.414	1	A
Endosulfan II	ND		ug/kg	1.75	0.586	1	A
Endosulfan sulfate	ND		ug/kg	0.731	0.348	1	A
Methoxychlor	ND		ug/kg	3.29	1.02	1	A
Toxaphene	ND		ug/kg	32.9	9.21	1	A
cis-Chlordane	ND		ug/kg	2.19	0.611	1	A
trans-Chlordane	ND		ug/kg	2.19	0.579	1	A
Chlordane	ND		ug/kg	14.6	5.81	1	A

**Project Name:** 266-270 W. 96TH ST**Lab Number:** L2047884**Project Number:** 170432001**Report Date:** 11/16/20**SAMPLE RESULTS**

Lab ID: L2047884-04

Date Collected: 11/02/20 12:50

Client ID: SB13\_0-1.5

Date Received: 11/02/20

Sample Location: NY, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	88		30-150	A
Decachlorobiphenyl	67		30-150	A
2,4,5,6-Tetrachloro-m-xylene	100		30-150	B
Decachlorobiphenyl	47		30-150	B

**Project Name:** 266-270 W. 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047884  
**Report Date:** 11/16/20

**SAMPLE RESULTS**

Lab ID: L2047884-05  
 Client ID: SB13\_4-6  
 Sample Location: NY, NY

Date Collected: 11/02/20 13:15  
 Date Received: 11/02/20  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8081B  
 Analytical Date: 11/04/20 20:17  
 Analyst: BM  
 Percent Solids: 86%

Extraction Method: EPA 3546  
 Extraction Date: 11/03/20 08:23  
 Cleanup Method: EPA 3620B  
 Cleanup Date: 11/04/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Organochlorine Pesticides by GC - Westborough Lab</b>							
Delta-BHC	ND		ug/kg	1.82	0.356	1	A
Lindane	ND		ug/kg	0.757	0.338	1	A
Alpha-BHC	ND		ug/kg	0.757	0.215	1	A
Beta-BHC	ND		ug/kg	1.82	0.689	1	A
Heptachlor	ND		ug/kg	0.908	0.407	1	A
Aldrin	ND		ug/kg	1.82	0.640	1	A
Heptachlor epoxide	ND		ug/kg	3.41	1.02	1	A
Endrin	ND		ug/kg	0.757	0.310	1	A
Endrin aldehyde	ND		ug/kg	2.27	0.795	1	A
Endrin ketone	ND		ug/kg	1.82	0.468	1	A
Dieldrin	ND		ug/kg	1.14	0.568	1	A
4,4'-DDE	ND		ug/kg	1.82	0.420	1	A
4,4'-DDD	ND		ug/kg	1.82	0.648	1	A
4,4'-DDT	ND		ug/kg	3.41	1.46	1	A
Endosulfan I	ND		ug/kg	1.82	0.429	1	A
Endosulfan II	ND		ug/kg	1.82	0.607	1	A
Endosulfan sulfate	ND		ug/kg	0.757	0.360	1	A
Methoxychlor	ND		ug/kg	3.41	1.06	1	A
Toxaphene	ND		ug/kg	34.1	9.54	1	A
cis-Chlordane	ND		ug/kg	2.27	0.633	1	A
trans-Chlordane	ND		ug/kg	2.27	0.599	1	A
Chlordane	ND		ug/kg	15.1	6.02	1	A

**Project Name:** 266-270 W. 96TH ST**Lab Number:** L2047884**Project Number:** 170432001**Report Date:** 11/16/20**SAMPLE RESULTS**

Lab ID: L2047884-05

Date Collected: 11/02/20 13:15

Client ID: SB13\_4-6

Date Received: 11/02/20

Sample Location: NY, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	54		30-150	A
Decachlorobiphenyl	49		30-150	A
2,4,5,6-Tetrachloro-m-xylene	59		30-150	B
Decachlorobiphenyl	40		30-150	B

**Project Name:** 266-270 W. 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047884  
**Report Date:** 11/16/20

**SAMPLE RESULTS**

Lab ID: L2047884-06  
 Client ID: SB13\_7.5-9  
 Sample Location: NY, NY

Date Collected: 11/02/20 13:30  
 Date Received: 11/02/20  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8081B  
 Analytical Date: 11/04/20 20:27  
 Analyst: BM  
 Percent Solids: 84%

Extraction Method: EPA 3546  
 Extraction Date: 11/03/20 08:23  
 Cleanup Method: EPA 3620B  
 Cleanup Date: 11/04/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Organochlorine Pesticides by GC - Westborough Lab</b>							
Delta-BHC	ND		ug/kg	1.79	0.351	1	A
Lindane	ND		ug/kg	0.747	0.334	1	A
Alpha-BHC	ND		ug/kg	0.747	0.212	1	A
Beta-BHC	ND		ug/kg	1.79	0.680	1	A
Heptachlor	ND		ug/kg	0.897	0.402	1	A
Aldrin	ND		ug/kg	1.79	0.632	1	A
Heptachlor epoxide	ND		ug/kg	3.36	1.01	1	A
Endrin	ND		ug/kg	0.747	0.306	1	A
Endrin aldehyde	ND		ug/kg	2.24	0.785	1	A
Endrin ketone	ND		ug/kg	1.79	0.462	1	A
Dieldrin	ND		ug/kg	1.12	0.560	1	A
4,4'-DDE	ND		ug/kg	1.79	0.415	1	A
4,4'-DDD	ND		ug/kg	1.79	0.640	1	A
4,4'-DDT	ND		ug/kg	3.36	1.44	1	A
Endosulfan I	ND		ug/kg	1.79	0.424	1	A
Endosulfan II	ND		ug/kg	1.79	0.599	1	A
Endosulfan sulfate	ND		ug/kg	0.747	0.356	1	A
Methoxychlor	ND		ug/kg	3.36	1.05	1	A
Toxaphene	ND		ug/kg	33.6	9.42	1	A
cis-Chlordane	ND		ug/kg	2.24	0.625	1	A
trans-Chlordane	ND		ug/kg	2.24	0.592	1	A
Chlordane	ND		ug/kg	14.9	5.94	1	A

**Project Name:** 266-270 W. 96TH ST**Lab Number:** L2047884**Project Number:** 170432001**Report Date:** 11/16/20**SAMPLE RESULTS**

Lab ID: L2047884-06

Date Collected: 11/02/20 13:30

Client ID: SB13\_7.5-9

Date Received: 11/02/20

Sample Location: NY, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		30-150	A
Decachlorobiphenyl	79		30-150	A
2,4,5,6-Tetrachloro-m-xylene	97		30-150	B
Decachlorobiphenyl	74		30-150	B

**Project Name:** 266-270 W. 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047884  
**Report Date:** 11/16/20

**SAMPLE RESULTS**

**Lab ID:** L2047884-07  
**Client ID:** SBDUP01\_11022020  
**Sample Location:** NY, NY

**Date Collected:** 11/02/20 00:00  
**Date Received:** 11/02/20  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8081B  
**Analytical Date:** 11/04/20 20:37  
**Analyst:** BM  
**Percent Solids:** 85%

**Extraction Method:** EPA 3546  
**Extraction Date:** 11/03/20 08:23  
**Cleanup Method:** EPA 3620B  
**Cleanup Date:** 11/04/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Organochlorine Pesticides by GC - Westborough Lab</b>							
Delta-BHC	ND		ug/kg	1.79	0.350	1	A
Lindane	ND		ug/kg	0.744	0.333	1	A
Alpha-BHC	ND		ug/kg	0.744	0.211	1	A
Beta-BHC	ND		ug/kg	1.79	0.677	1	A
Heptachlor	ND		ug/kg	0.893	0.400	1	A
Aldrin	ND		ug/kg	1.79	0.629	1	A
Heptachlor epoxide	ND		ug/kg	3.35	1.00	1	A
Endrin	ND		ug/kg	0.744	0.305	1	A
Endrin aldehyde	ND		ug/kg	2.23	0.782	1	A
Endrin ketone	ND		ug/kg	1.79	0.460	1	A
Dieldrin	ND		ug/kg	1.12	0.558	1	A
4,4'-DDE	ND		ug/kg	1.79	0.413	1	A
4,4'-DDD	ND		ug/kg	1.79	0.637	1	A
4,4'-DDT	ND		ug/kg	3.35	1.44	1	A
Endosulfan I	ND		ug/kg	1.79	0.422	1	A
Endosulfan II	ND		ug/kg	1.79	0.597	1	A
Endosulfan sulfate	ND		ug/kg	0.744	0.354	1	A
Methoxychlor	ND		ug/kg	3.35	1.04	1	A
Toxaphene	ND		ug/kg	33.5	9.38	1	A
cis-Chlordane	ND		ug/kg	2.23	0.622	1	A
trans-Chlordane	ND		ug/kg	2.23	0.590	1	A
Chlordane	ND		ug/kg	14.9	5.92	1	A

**Project Name:** 266-270 W. 96TH ST**Lab Number:** L2047884**Project Number:** 170432001**Report Date:** 11/16/20**SAMPLE RESULTS**

Lab ID: L2047884-07  
 Client ID: SBDUP01\_11022020  
 Sample Location: NY, NY

Date Collected: 11/02/20 00:00  
 Date Received: 11/02/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		30-150	A
Decachlorobiphenyl	91		30-150	A
2,4,5,6-Tetrachloro-m-xylene	80		30-150	B
Decachlorobiphenyl	62		30-150	B



**Project Name:** 266-270 W. 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047884  
**Report Date:** 11/16/20

**SAMPLE RESULTS**

**Lab ID:** L2047884-10  
**Client ID:** SBFB01\_11022020  
**Sample Location:** NY, NY

**Date Collected:** 11/02/20 14:30  
**Date Received:** 11/02/20  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Field Blank  
**Analytical Method:** 1,8081B  
**Analytical Date:** 11/04/20 15:03  
**Analyst:** JMC

**Extraction Method:** EPA 3510C  
**Extraction Date:** 11/03/20 20:11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Organochlorine Pesticides by GC - Westborough Lab</b>							
Delta-BHC	ND		ug/l	0.014	0.003	1	B
Lindane	ND		ug/l	0.014	0.003	1	B
Alpha-BHC	ND		ug/l	0.014	0.003	1	B
Beta-BHC	ND		ug/l	0.014	0.004	1	B
Heptachlor	ND		ug/l	0.014	0.002	1	B
Aldrin	ND		ug/l	0.014	0.002	1	B
Heptachlor epoxide	ND		ug/l	0.014	0.003	1	B
Endrin	ND		ug/l	0.029	0.003	1	B
Endrin aldehyde	ND		ug/l	0.029	0.006	1	B
Endrin ketone	ND		ug/l	0.029	0.003	1	B
Dieldrin	ND		ug/l	0.029	0.003	1	B
4,4'-DDE	ND		ug/l	0.029	0.003	1	B
4,4'-DDD	ND		ug/l	0.029	0.003	1	B
4,4'-DDT	ND		ug/l	0.029	0.003	1	B
Endosulfan I	ND		ug/l	0.014	0.002	1	B
Endosulfan II	ND		ug/l	0.029	0.004	1	B
Endosulfan sulfate	ND		ug/l	0.029	0.003	1	B
Methoxychlor	ND		ug/l	0.143	0.005	1	B
Toxaphene	ND		ug/l	0.143	0.045	1	B
cis-Chlordane	ND		ug/l	0.014	0.005	1	B
trans-Chlordane	ND		ug/l	0.014	0.004	1	B
Chlordane	ND		ug/l	0.143	0.033	1	B

**Project Name:** 266-270 W. 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047884  
**Report Date:** 11/16/20

**SAMPLE RESULTS**

Lab ID: L2047884-10  
 Client ID: SBFB01\_11022020  
 Sample Location: NY, NY

Date Collected: 11/02/20 14:30  
 Date Received: 11/02/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	94		30-150	A
Decachlorobiphenyl	67		30-150	A
2,4,5,6-Tetrachloro-m-xylene	81		30-150	B
Decachlorobiphenyl	62		30-150	B

**Project Name:** 266-270 W. 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047884  
**Report Date:** 11/16/20

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 1,8081B  
Analytical Date: 11/04/20 09:49  
Analyst: SM

Extraction Method: EPA 3546  
Extraction Date: 11/03/20 06:21  
Cleanup Method: EPA 3620B  
Cleanup Date: 11/03/20

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-07 Batch: WG1429632-1						
Delta-BHC	ND		ug/kg	1.56	0.306	A
Lindane	ND		ug/kg	0.651	0.291	A
Alpha-BHC	ND		ug/kg	0.651	0.185	A
Beta-BHC	ND		ug/kg	1.56	0.592	A
Heptachlor	ND		ug/kg	0.781	0.350	A
Aldrin	ND		ug/kg	1.56	0.550	A
Heptachlor epoxide	ND		ug/kg	2.93	0.879	A
Endrin	ND		ug/kg	0.651	0.267	A
Endrin aldehyde	ND		ug/kg	1.95	0.684	A
Endrin ketone	ND		ug/kg	1.56	0.402	A
Dieldrin	ND		ug/kg	0.976	0.488	A
4,4'-DDE	ND		ug/kg	1.56	0.361	A
4,4'-DDD	ND		ug/kg	1.56	0.557	A
4,4'-DDT	ND		ug/kg	2.93	1.26	A
Endosulfan I	ND		ug/kg	1.56	0.369	A
Endosulfan II	ND		ug/kg	1.56	0.522	A
Endosulfan sulfate	ND		ug/kg	0.651	0.310	A
Methoxychlor	ND		ug/kg	2.93	0.911	A
Toxaphene	ND		ug/kg	29.3	8.20	A
cis-Chlordane	ND		ug/kg	1.95	0.544	A
trans-Chlordane	ND		ug/kg	1.95	0.516	A
Chlordane	ND		ug/kg	13.0	5.18	A

**Project Name:** 266-270 W. 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047884  
**Report Date:** 11/16/20

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8081B  
Analytical Date: 11/04/20 09:49  
Analyst: SM

Extraction Method: EPA 3546  
Extraction Date: 11/03/20 06:21  
Cleanup Method: EPA 3620B  
Cleanup Date: 11/03/20

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-07 Batch: WG1429632-1						

Surrogate	%Recovery	Qualifier	Acceptance	
			Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	82		30-150	A
Decachlorobiphenyl	119		30-150	A
2,4,5,6-Tetrachloro-m-xylene	97		30-150	B
Decachlorobiphenyl	92		30-150	B

**Project Name:** 266-270 W. 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047884  
**Report Date:** 11/16/20

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8081B  
Analytical Date: 11/04/20 14:24  
Analyst: JMC

Extraction Method: EPA 3510C  
Extraction Date: 11/03/20 20:11

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 10 Batch: WG1430016-1						
Delta-BHC	ND		ug/l	0.014	0.003	B
Lindane	ND		ug/l	0.014	0.003	B
Alpha-BHC	ND		ug/l	0.014	0.003	B
Beta-BHC	ND		ug/l	0.014	0.004	B
Heptachlor	ND		ug/l	0.014	0.002	B
Aldrin	ND		ug/l	0.014	0.002	B
Heptachlor epoxide	ND		ug/l	0.014	0.003	B
Endrin	ND		ug/l	0.029	0.003	B
Endrin aldehyde	ND		ug/l	0.029	0.006	B
Endrin ketone	ND		ug/l	0.029	0.003	B
Dieldrin	ND		ug/l	0.029	0.003	B
4,4'-DDE	ND		ug/l	0.029	0.003	B
4,4'-DDD	ND		ug/l	0.029	0.003	B
4,4'-DDT	ND		ug/l	0.029	0.003	B
Endosulfan I	ND		ug/l	0.014	0.002	B
Endosulfan II	ND		ug/l	0.029	0.004	B
Endosulfan sulfate	ND		ug/l	0.029	0.003	B
Methoxychlor	ND		ug/l	0.143	0.005	B
Toxaphene	ND		ug/l	0.143	0.045	B
cis-Chlordane	ND		ug/l	0.014	0.005	B
trans-Chlordane	ND		ug/l	0.014	0.004	B
Chlordane	ND		ug/l	0.143	0.033	B

**Project Name:** 266-270 W. 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047884  
**Report Date:** 11/16/20

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8081B  
Analytical Date: 11/04/20 14:24  
Analyst: JMC

Extraction Method: EPA 3510C  
Extraction Date: 11/03/20 20:11

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 10 Batch: WG1430016-1						

Surrogate	%Recovery	Qualifier	Acceptance	
			Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	89		30-150	A
Decachlorobiphenyl	94		30-150	A
2,4,5,6-Tetrachloro-m-xylene	82		30-150	B
Decachlorobiphenyl	87		30-150	B

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 266-270 W. 96TH ST

Project Number: 170432001

Lab Number: L2047884

Report Date: 11/16/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-07 Batch: WG1429632-2 WG1429632-3									
Delta-BHC	96		86		30-150	11		30	A
Lindane	86		78		30-150	10		30	A
Alpha-BHC	91		82		30-150	10		30	A
Beta-BHC	100		87		30-150	14		30	A
Heptachlor	104		92		30-150	12		30	A
Aldrin	88		78		30-150	12		30	A
Heptachlor epoxide	88		79		30-150	11		30	A
Endrin	103		90		30-150	13		30	A
Endrin aldehyde	66		58		30-150	13		30	A
Endrin ketone	84		74		30-150	13		30	A
Dieldrin	93		82		30-150	13		30	A
4,4'-DDE	94		83		30-150	12		30	A
4,4'-DDD	103		90		30-150	13		30	A
4,4'-DDT	96		85		30-150	12		30	A
Endosulfan I	87		77		30-150	12		30	A
Endosulfan II	93		80		30-150	15		30	A
Endosulfan sulfate	75		65		30-150	14		30	A
Methoxychlor	99		87		30-150	13		30	A
cis-Chlordane	85		76		30-150	11		30	A
trans-Chlordane	88		78		30-150	12		30	A

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 266-270 W. 96TH ST

Project Number: 170432001

Lab Number: L2047884

Report Date: 11/16/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
-----------	------------------	------	-------------------	------	---------------------	-----	------	---------------

Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-07 Batch: WG1429632-2 WG1429632-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	85		75		30-150	A
Decachlorobiphenyl	122		115		30-150	A
2,4,5,6-Tetrachloro-m-xylene	97		86		30-150	B
Decachlorobiphenyl	86		81		30-150	B



## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 266-270 W. 96TH ST

Project Number: 170432001

Lab Number: L2047884

Report Date: 11/16/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 10 Batch: WG1430016-2 WG1430016-3									
Delta-BHC	80		83		30-150	5		20	B
Lindane	89		95		30-150	6		20	B
Alpha-BHC	90		95		30-150	5		20	B
Beta-BHC	77		84		30-150	9		20	B
Heptachlor	80		85		30-150	6		20	B
Aldrin	94		102		30-150	9		20	B
Heptachlor epoxide	89		93		30-150	5		20	B
Endrin	95		102		30-150	7		20	B
Endrin aldehyde	92		100		30-150	8		20	B
Endrin ketone	171	Q	179	Q	30-150	5		20	B
Dieldrin	105		113		30-150	7		20	B
4,4'-DDE	107		117		30-150	9		20	B
4,4'-DDD	109		119		30-150	9		20	B
4,4'-DDT	95		103		30-150	8		20	B
Endosulfan I	90		97		30-150	8		20	B
Endosulfan II	92		100		30-150	8		20	B
Endosulfan sulfate	97		105		30-150	8		20	B
Methoxychlor	90		98		30-150	8		20	B
cis-Chlordane	92		99		30-150	7		20	B
trans-Chlordane	101		108		30-150	7		20	B

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 266-270 W. 96TH ST

Project Number: 170432001

Lab Number: L2047884

Report Date: 11/16/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
-----------	------------------	------	-------------------	------	---------------------	-----	------	---------------

Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 10 Batch: WG1430016-2 WG1430016-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	102		108		30-150	A
Decachlorobiphenyl	67		63		30-150	A
2,4,5,6-Tetrachloro-m-xylene	90		92		30-150	B
Decachlorobiphenyl	61		57		30-150	B

## METALS

Project Name: 266-270 W. 96TH ST

Lab Number: L2047884

Project Number: 170432001

Report Date: 11/16/20

## SAMPLE RESULTS

Lab ID: L2047884-01

Date Collected: 11/02/20 09:30

Client ID: SB12\_0-1

Date Received: 11/02/20

Sample Location: NY, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Aluminum, Total	8470		mg/kg	8.83	2.38	2	11/05/20 10:26	11/06/20 16:59	EPA 3050B	1,6010D	BV
Antimony, Total	ND		mg/kg	4.41	0.335	2	11/05/20 10:26	11/06/20 16:59	EPA 3050B	1,6010D	BV
Arsenic, Total	5.17		mg/kg	0.883	0.184	2	11/05/20 10:26	11/06/20 16:59	EPA 3050B	1,6010D	BV
Barium, Total	76.0		mg/kg	0.883	0.154	2	11/05/20 10:26	11/06/20 16:59	EPA 3050B	1,6010D	BV
Beryllium, Total	0.194	J	mg/kg	0.441	0.029	2	11/05/20 10:26	11/06/20 16:59	EPA 3050B	1,6010D	BV
Cadmium, Total	ND		mg/kg	0.883	0.087	2	11/05/20 10:26	11/06/20 16:59	EPA 3050B	1,6010D	BV
Calcium, Total	12900		mg/kg	8.83	3.09	2	11/05/20 10:26	11/06/20 16:59	EPA 3050B	1,6010D	BV
Chromium, Total	13.4		mg/kg	0.883	0.085	2	11/05/20 10:26	11/06/20 16:59	EPA 3050B	1,6010D	BV
Cobalt, Total	6.55		mg/kg	1.76	0.146	2	11/05/20 10:26	11/06/20 16:59	EPA 3050B	1,6010D	BV
Copper, Total	44.8		mg/kg	0.883	0.228	2	11/05/20 10:26	11/06/20 16:59	EPA 3050B	1,6010D	BV
Iron, Total	15500		mg/kg	4.41	0.797	2	11/05/20 10:26	11/06/20 16:59	EPA 3050B	1,6010D	BV
Lead, Total	293		mg/kg	4.41	0.237	2	11/05/20 10:26	11/06/20 16:59	EPA 3050B	1,6010D	BV
Magnesium, Total	2940		mg/kg	8.83	1.36	2	11/05/20 10:26	11/06/20 16:59	EPA 3050B	1,6010D	BV
Manganese, Total	277		mg/kg	0.883	0.140	2	11/05/20 10:26	11/06/20 16:59	EPA 3050B	1,6010D	BV
Mercury, Total	0.515		mg/kg	0.083	0.054	1	11/05/20 10:26	11/05/20 20:52	EPA 7471B	1,7471B	AL
Nickel, Total	13.2		mg/kg	2.21	0.214	2	11/05/20 10:26	11/06/20 16:59	EPA 3050B	1,6010D	BV
Potassium, Total	843		mg/kg	221	12.7	2	11/05/20 10:26	11/06/20 16:59	EPA 3050B	1,6010D	BV
Selenium, Total	ND		mg/kg	1.76	0.228	2	11/05/20 10:26	11/06/20 16:59	EPA 3050B	1,6010D	BV
Silver, Total	ND		mg/kg	0.883	0.250	2	11/05/20 10:26	11/06/20 16:59	EPA 3050B	1,6010D	BV
Sodium, Total	120	J	mg/kg	176	2.78	2	11/05/20 10:26	11/06/20 16:59	EPA 3050B	1,6010D	BV
Thallium, Total	ND		mg/kg	1.76	0.278	2	11/05/20 10:26	11/06/20 16:59	EPA 3050B	1,6010D	BV
Vanadium, Total	19.1		mg/kg	0.883	0.179	2	11/05/20 10:26	11/06/20 16:59	EPA 3050B	1,6010D	BV
Zinc, Total	92.2		mg/kg	4.41	0.259	2	11/05/20 10:26	11/06/20 16:59	EPA 3050B	1,6010D	BV
<b>General Chemistry - Mansfield Lab</b>											
Chromium, Trivalent	13		mg/kg	0.92	0.92	1		11/06/20 16:59	NA	107,-	



Project Name: 266-270 W. 96TH ST

Lab Number: L2047884

Project Number: 170432001

Report Date: 11/16/20

## SAMPLE RESULTS

Lab ID: L2047884-02

Date Collected: 11/02/20 09:10

Client ID: SB12\_3.5-5

Date Received: 11/02/20

Sample Location: NY, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Aluminum, Total	8120		mg/kg	8.81	2.38	2	11/05/20 10:26	11/06/20 17:03	EPA 3050B	1,6010D	BV
Antimony, Total	0.335	J	mg/kg	4.40	0.335	2	11/05/20 10:26	11/06/20 17:03	EPA 3050B	1,6010D	BV
Arsenic, Total	4.73		mg/kg	0.881	0.183	2	11/05/20 10:26	11/06/20 17:03	EPA 3050B	1,6010D	BV
Barium, Total	53.4		mg/kg	0.881	0.153	2	11/05/20 10:26	11/06/20 17:03	EPA 3050B	1,6010D	BV
Beryllium, Total	0.255	J	mg/kg	0.440	0.029	2	11/05/20 10:26	11/06/20 17:03	EPA 3050B	1,6010D	BV
Cadmium, Total	ND		mg/kg	0.881	0.086	2	11/05/20 10:26	11/06/20 17:03	EPA 3050B	1,6010D	BV
Calcium, Total	2230		mg/kg	8.81	3.08	2	11/05/20 10:26	11/06/20 17:03	EPA 3050B	1,6010D	BV
Chromium, Total	10.4		mg/kg	0.881	0.085	2	11/05/20 10:26	11/06/20 17:03	EPA 3050B	1,6010D	BV
Cobalt, Total	6.23		mg/kg	1.76	0.146	2	11/05/20 10:26	11/06/20 17:03	EPA 3050B	1,6010D	BV
Copper, Total	16.4		mg/kg	0.881	0.227	2	11/05/20 10:26	11/06/20 17:03	EPA 3050B	1,6010D	BV
Iron, Total	15600		mg/kg	4.40	0.795	2	11/05/20 10:26	11/06/20 17:03	EPA 3050B	1,6010D	BV
Lead, Total	242		mg/kg	4.40	0.236	2	11/05/20 10:26	11/06/20 17:03	EPA 3050B	1,6010D	BV
Magnesium, Total	2630		mg/kg	8.81	1.36	2	11/05/20 10:26	11/06/20 17:03	EPA 3050B	1,6010D	BV
Manganese, Total	313		mg/kg	0.881	0.140	2	11/05/20 10:26	11/06/20 17:03	EPA 3050B	1,6010D	BV
Mercury, Total	0.966		mg/kg	0.082	0.054	1	11/05/20 10:26	11/05/20 21:28	EPA 7471B	1,7471B	AL
Nickel, Total	12.3		mg/kg	2.20	0.213	2	11/05/20 10:26	11/06/20 17:03	EPA 3050B	1,6010D	BV
Potassium, Total	481		mg/kg	220	12.7	2	11/05/20 10:26	11/06/20 17:03	EPA 3050B	1,6010D	BV
Selenium, Total	ND		mg/kg	1.76	0.227	2	11/05/20 10:26	11/06/20 17:03	EPA 3050B	1,6010D	BV
Silver, Total	ND		mg/kg	0.881	0.249	2	11/05/20 10:26	11/06/20 17:03	EPA 3050B	1,6010D	BV
Sodium, Total	54.5	J	mg/kg	176	2.77	2	11/05/20 10:26	11/06/20 17:03	EPA 3050B	1,6010D	BV
Thallium, Total	ND		mg/kg	1.76	0.277	2	11/05/20 10:26	11/06/20 17:03	EPA 3050B	1,6010D	BV
Vanadium, Total	14.7		mg/kg	0.881	0.179	2	11/05/20 10:26	11/06/20 17:03	EPA 3050B	1,6010D	BV
Zinc, Total	57.6		mg/kg	4.40	0.258	2	11/05/20 10:26	11/06/20 17:03	EPA 3050B	1,6010D	BV
<b>General Chemistry - Mansfield Lab</b>											
Chromium, Trivalent	10		mg/kg	0.92	0.92	1		11/06/20 17:03	NA	107,-	



Project Name: 266-270 W. 96TH ST

Lab Number: L2047884

Project Number: 170432001

Report Date: 11/16/20

## SAMPLE RESULTS

Lab ID: L2047884-03

Date Collected: 11/02/20 10:00

Client ID: SB12\_11-12.5

Date Received: 11/02/20

Sample Location: NY, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Aluminum, Total	29800		mg/kg	9.01	2.43	2	11/05/20 10:26	11/06/20 17:07	EPA 3050B	1,6010D	BV
Antimony, Total	ND		mg/kg	4.51	0.342	2	11/05/20 10:26	11/06/20 17:07	EPA 3050B	1,6010D	BV
Arsenic, Total	5.90		mg/kg	0.901	0.187	2	11/05/20 10:26	11/06/20 17:07	EPA 3050B	1,6010D	BV
Barium, Total	124		mg/kg	0.901	0.157	2	11/05/20 10:26	11/06/20 17:07	EPA 3050B	1,6010D	BV
Beryllium, Total	ND		mg/kg	0.451	0.030	2	11/05/20 10:26	11/06/20 17:07	EPA 3050B	1,6010D	BV
Cadmium, Total	ND		mg/kg	0.901	0.088	2	11/05/20 10:26	11/06/20 17:07	EPA 3050B	1,6010D	BV
Calcium, Total	6550		mg/kg	9.01	3.15	2	11/05/20 10:26	11/06/20 17:07	EPA 3050B	1,6010D	BV
Chromium, Total	132		mg/kg	0.901	0.087	2	11/05/20 10:26	11/06/20 17:07	EPA 3050B	1,6010D	BV
Cobalt, Total	24.9		mg/kg	1.80	0.150	2	11/05/20 10:26	11/06/20 17:07	EPA 3050B	1,6010D	BV
Copper, Total	62.6		mg/kg	0.901	0.232	2	11/05/20 10:26	11/06/20 17:07	EPA 3050B	1,6010D	BV
Iron, Total	47700		mg/kg	4.51	0.814	2	11/05/20 10:26	11/06/20 17:07	EPA 3050B	1,6010D	BV
Lead, Total	4.49	J	mg/kg	4.51	0.242	2	11/05/20 10:26	11/06/20 17:07	EPA 3050B	1,6010D	BV
Magnesium, Total	22100		mg/kg	9.01	1.39	2	11/05/20 10:26	11/06/20 17:07	EPA 3050B	1,6010D	BV
Manganese, Total	552		mg/kg	0.901	0.143	2	11/05/20 10:26	11/06/20 17:07	EPA 3050B	1,6010D	BV
Mercury, Total	ND		mg/kg	0.081	0.053	1	11/05/20 10:26	11/05/20 21:31	EPA 7471B	1,7471B	AL
Nickel, Total	31.0		mg/kg	2.25	0.218	2	11/05/20 10:26	11/06/20 17:07	EPA 3050B	1,6010D	BV
Potassium, Total	2150		mg/kg	225	13.0	2	11/05/20 10:26	11/06/20 17:07	EPA 3050B	1,6010D	BV
Selenium, Total	ND		mg/kg	1.80	0.232	2	11/05/20 10:26	11/06/20 17:07	EPA 3050B	1,6010D	BV
Silver, Total	ND		mg/kg	0.901	0.255	2	11/05/20 10:26	11/06/20 17:07	EPA 3050B	1,6010D	BV
Sodium, Total	230		mg/kg	180	2.84	2	11/05/20 10:26	11/06/20 17:07	EPA 3050B	1,6010D	BV
Thallium, Total	ND		mg/kg	1.80	0.284	2	11/05/20 10:26	11/06/20 17:07	EPA 3050B	1,6010D	BV
Vanadium, Total	119		mg/kg	0.901	0.183	2	11/05/20 10:26	11/06/20 17:07	EPA 3050B	1,6010D	BV
Zinc, Total	96.4		mg/kg	4.51	0.264	2	11/05/20 10:26	11/06/20 17:07	EPA 3050B	1,6010D	BV
<b>General Chemistry - Mansfield Lab</b>											
Chromium, Trivalent	130		mg/kg	0.93	0.93	1		11/06/20 17:07	NA	107,-	



Project Name: 266-270 W. 96TH ST

Lab Number: L2047884

Project Number: 170432001

Report Date: 11/16/20

## SAMPLE RESULTS

Lab ID: L2047884-04

Date Collected: 11/02/20 12:50

Client ID: SB13\_0-1.5

Date Received: 11/02/20

Sample Location: NY, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Aluminum, Total	8200		mg/kg	8.88	2.40	2	11/05/20 10:26	11/06/20 17:12	EPA 3050B	1,6010D	BV
Antimony, Total	ND		mg/kg	4.44	0.337	2	11/05/20 10:26	11/06/20 17:12	EPA 3050B	1,6010D	BV
Arsenic, Total	5.25		mg/kg	0.888	0.185	2	11/05/20 10:26	11/06/20 17:12	EPA 3050B	1,6010D	BV
Barium, Total	69.5		mg/kg	0.888	0.154	2	11/05/20 10:26	11/06/20 17:12	EPA 3050B	1,6010D	BV
Beryllium, Total	0.142	J	mg/kg	0.444	0.029	2	11/05/20 10:26	11/06/20 17:12	EPA 3050B	1,6010D	BV
Cadmium, Total	0.266	J	mg/kg	0.888	0.087	2	11/05/20 10:26	11/06/20 17:12	EPA 3050B	1,6010D	BV
Calcium, Total	6230		mg/kg	8.88	3.11	2	11/05/20 10:26	11/06/20 17:12	EPA 3050B	1,6010D	BV
Chromium, Total	24.6		mg/kg	0.888	0.085	2	11/05/20 10:26	11/06/20 17:12	EPA 3050B	1,6010D	BV
Cobalt, Total	8.24		mg/kg	1.78	0.147	2	11/05/20 10:26	11/06/20 17:12	EPA 3050B	1,6010D	BV
Copper, Total	34.7		mg/kg	0.888	0.229	2	11/05/20 10:26	11/06/20 17:12	EPA 3050B	1,6010D	BV
Iron, Total	17500		mg/kg	4.44	0.802	2	11/05/20 10:26	11/06/20 17:12	EPA 3050B	1,6010D	BV
Lead, Total	586		mg/kg	4.44	0.238	2	11/05/20 10:26	11/06/20 17:12	EPA 3050B	1,6010D	BV
Magnesium, Total	3310		mg/kg	8.88	1.37	2	11/05/20 10:26	11/06/20 17:12	EPA 3050B	1,6010D	BV
Manganese, Total	334		mg/kg	0.888	0.141	2	11/05/20 10:26	11/06/20 17:12	EPA 3050B	1,6010D	BV
Mercury, Total	0.235		mg/kg	0.077	0.050	1	11/05/20 10:26	11/05/20 21:35	EPA 7471B	1,7471B	AL
Nickel, Total	14.8		mg/kg	2.22	0.215	2	11/05/20 10:26	11/06/20 17:12	EPA 3050B	1,6010D	BV
Potassium, Total	875		mg/kg	222	12.8	2	11/05/20 10:26	11/06/20 17:12	EPA 3050B	1,6010D	BV
Selenium, Total	ND		mg/kg	1.78	0.229	2	11/05/20 10:26	11/06/20 17:12	EPA 3050B	1,6010D	BV
Silver, Total	ND		mg/kg	0.888	0.251	2	11/05/20 10:26	11/06/20 17:12	EPA 3050B	1,6010D	BV
Sodium, Total	94.8	J	mg/kg	178	2.80	2	11/05/20 10:26	11/06/20 17:12	EPA 3050B	1,6010D	BV
Thallium, Total	ND		mg/kg	1.78	0.280	2	11/05/20 10:26	11/06/20 17:12	EPA 3050B	1,6010D	BV
Vanadium, Total	24.6		mg/kg	0.888	0.180	2	11/05/20 10:26	11/06/20 17:12	EPA 3050B	1,6010D	BV
Zinc, Total	85.3		mg/kg	4.44	0.260	2	11/05/20 10:26	11/06/20 17:12	EPA 3050B	1,6010D	BV
<b>General Chemistry - Mansfield Lab</b>											
Chromium, Trivalent	25		mg/kg	0.92	0.93	1		11/06/20 17:12	NA	107,-	



Project Name: 266-270 W. 96TH ST

Lab Number: L2047884

Project Number: 170432001

Report Date: 11/16/20

## SAMPLE RESULTS

Lab ID: L2047884-05

Date Collected: 11/02/20 13:15

Client ID: SB13\_4-6

Date Received: 11/02/20

Sample Location: NY, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Aluminum, Total	9260		mg/kg	8.94	2.41	2	11/05/20 10:26	11/06/20 17:16	EPA 3050B	1,6010D	BV
Antimony, Total	ND		mg/kg	4.47	0.340	2	11/05/20 10:26	11/06/20 17:16	EPA 3050B	1,6010D	BV
Arsenic, Total	4.80		mg/kg	0.894	0.186	2	11/05/20 10:26	11/06/20 17:16	EPA 3050B	1,6010D	BV
Barium, Total	55.1		mg/kg	0.894	0.156	2	11/05/20 10:26	11/06/20 17:16	EPA 3050B	1,6010D	BV
Beryllium, Total	0.250	J	mg/kg	0.447	0.030	2	11/05/20 10:26	11/06/20 17:16	EPA 3050B	1,6010D	BV
Cadmium, Total	ND		mg/kg	0.894	0.088	2	11/05/20 10:26	11/06/20 17:16	EPA 3050B	1,6010D	BV
Calcium, Total	4110		mg/kg	8.94	3.13	2	11/05/20 10:26	11/06/20 17:16	EPA 3050B	1,6010D	BV
Chromium, Total	15.0		mg/kg	0.894	0.086	2	11/05/20 10:26	11/06/20 17:16	EPA 3050B	1,6010D	BV
Cobalt, Total	7.45		mg/kg	1.79	0.148	2	11/05/20 10:26	11/06/20 17:16	EPA 3050B	1,6010D	BV
Copper, Total	24.4		mg/kg	0.894	0.231	2	11/05/20 10:26	11/06/20 17:16	EPA 3050B	1,6010D	BV
Iron, Total	16900		mg/kg	4.47	0.807	2	11/05/20 10:26	11/06/20 17:16	EPA 3050B	1,6010D	BV
Lead, Total	60.7		mg/kg	4.47	0.240	2	11/05/20 10:26	11/06/20 17:16	EPA 3050B	1,6010D	BV
Magnesium, Total	3320		mg/kg	8.94	1.38	2	11/05/20 10:26	11/06/20 17:16	EPA 3050B	1,6010D	BV
Manganese, Total	330		mg/kg	0.894	0.142	2	11/05/20 10:26	11/06/20 17:16	EPA 3050B	1,6010D	BV
Mercury, Total	0.136		mg/kg	0.075	0.049	1	11/05/20 10:26	11/05/20 21:38	EPA 7471B	1,7471B	AL
Nickel, Total	14.7		mg/kg	2.24	0.216	2	11/05/20 10:26	11/06/20 17:16	EPA 3050B	1,6010D	BV
Potassium, Total	823		mg/kg	224	12.9	2	11/05/20 10:26	11/06/20 17:16	EPA 3050B	1,6010D	BV
Selenium, Total	ND		mg/kg	1.79	0.231	2	11/05/20 10:26	11/06/20 17:16	EPA 3050B	1,6010D	BV
Silver, Total	ND		mg/kg	0.894	0.253	2	11/05/20 10:26	11/06/20 17:16	EPA 3050B	1,6010D	BV
Sodium, Total	108	J	mg/kg	179	2.82	2	11/05/20 10:26	11/06/20 17:16	EPA 3050B	1,6010D	BV
Thallium, Total	ND		mg/kg	1.79	0.282	2	11/05/20 10:26	11/06/20 17:16	EPA 3050B	1,6010D	BV
Vanadium, Total	22.6		mg/kg	0.894	0.182	2	11/05/20 10:26	11/06/20 17:16	EPA 3050B	1,6010D	BV
Zinc, Total	49.9		mg/kg	4.47	0.262	2	11/05/20 10:26	11/06/20 17:16	EPA 3050B	1,6010D	BV
<b>General Chemistry - Mansfield Lab</b>											
Chromium, Trivalent	15		mg/kg	0.93	0.93	1		11/06/20 17:16	NA	107,-	





Project Name: 266-270 W. 96TH ST

Lab Number: L2047884

Project Number: 170432001

Report Date: 11/16/20

## SAMPLE RESULTS

Lab ID: L2047884-06

Date Collected: 11/02/20 13:30

Client ID: SB13\_7.5-9

Date Received: 11/02/20

Sample Location: NY, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 84%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Aluminum, Total	11000		mg/kg	9.25	2.50	2	11/05/20 10:26	11/06/20 17:20	EPA 3050B	1,6010D	BV
Antimony, Total	ND		mg/kg	4.62	0.351	2	11/05/20 10:26	11/06/20 17:20	EPA 3050B	1,6010D	BV
Arsenic, Total	3.89		mg/kg	0.925	0.192	2	11/05/20 10:26	11/06/20 17:20	EPA 3050B	1,6010D	BV
Barium, Total	63.5		mg/kg	0.925	0.161	2	11/05/20 10:26	11/06/20 17:20	EPA 3050B	1,6010D	BV
Beryllium, Total	0.120	J	mg/kg	0.462	0.031	2	11/05/20 10:26	11/06/20 17:20	EPA 3050B	1,6010D	BV
Cadmium, Total	ND		mg/kg	0.925	0.091	2	11/05/20 10:26	11/06/20 17:20	EPA 3050B	1,6010D	BV
Calcium, Total	4340		mg/kg	9.25	3.24	2	11/05/20 10:26	11/06/20 17:20	EPA 3050B	1,6010D	BV
Chromium, Total	20.9		mg/kg	0.925	0.089	2	11/05/20 10:26	11/06/20 17:20	EPA 3050B	1,6010D	BV
Cobalt, Total	8.57		mg/kg	1.85	0.153	2	11/05/20 10:26	11/06/20 17:20	EPA 3050B	1,6010D	BV
Copper, Total	19.2		mg/kg	0.925	0.238	2	11/05/20 10:26	11/06/20 17:20	EPA 3050B	1,6010D	BV
Iron, Total	19000		mg/kg	4.62	0.835	2	11/05/20 10:26	11/06/20 17:20	EPA 3050B	1,6010D	BV
Lead, Total	35.0		mg/kg	4.62	0.248	2	11/05/20 10:26	11/06/20 17:20	EPA 3050B	1,6010D	BV
Magnesium, Total	5340		mg/kg	9.25	1.42	2	11/05/20 10:26	11/06/20 17:20	EPA 3050B	1,6010D	BV
Manganese, Total	337		mg/kg	0.925	0.147	2	11/05/20 10:26	11/06/20 17:20	EPA 3050B	1,6010D	BV
Mercury, Total	0.081		mg/kg	0.079	0.051	1	11/05/20 10:26	11/06/20 10:33	EPA 7471B	1,7471B	OL
Nickel, Total	17.0		mg/kg	2.31	0.224	2	11/05/20 10:26	11/06/20 17:20	EPA 3050B	1,6010D	BV
Potassium, Total	2140		mg/kg	231	13.3	2	11/05/20 10:26	11/06/20 17:20	EPA 3050B	1,6010D	BV
Selenium, Total	ND		mg/kg	1.85	0.238	2	11/05/20 10:26	11/06/20 17:20	EPA 3050B	1,6010D	BV
Silver, Total	ND		mg/kg	0.925	0.262	2	11/05/20 10:26	11/06/20 17:20	EPA 3050B	1,6010D	BV
Sodium, Total	93.9	J	mg/kg	185	2.91	2	11/05/20 10:26	11/06/20 17:20	EPA 3050B	1,6010D	BV
Thallium, Total	ND		mg/kg	1.85	0.291	2	11/05/20 10:26	11/06/20 17:20	EPA 3050B	1,6010D	BV
Vanadium, Total	26.8		mg/kg	0.925	0.188	2	11/05/20 10:26	11/06/20 17:20	EPA 3050B	1,6010D	BV
Zinc, Total	48.7		mg/kg	4.62	0.271	2	11/05/20 10:26	11/06/20 17:20	EPA 3050B	1,6010D	BV
<b>General Chemistry - Mansfield Lab</b>											
Chromium, Trivalent	21		mg/kg	0.95	0.95	1		11/06/20 17:20	NA	107,-	



Project Name: 266-270 W. 96TH ST

Lab Number: L2047884

Project Number: 170432001

Report Date: 11/16/20

## SAMPLE RESULTS

Lab ID: L2047884-07  
 Client ID: SBDUP01\_11022020  
 Sample Location: NY, NY

Date Collected: 11/02/20 00:00  
 Date Received: 11/02/20  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil  
 Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Aluminum, Total	9340		mg/kg	9.23	2.49	2	11/05/20 10:26	11/06/20 17:25	EPA 3050B	1,6010D	BV
Antimony, Total	ND		mg/kg	4.62	0.351	2	11/05/20 10:26	11/06/20 17:25	EPA 3050B	1,6010D	BV
Arsenic, Total	4.20		mg/kg	0.923	0.192	2	11/05/20 10:26	11/06/20 17:25	EPA 3050B	1,6010D	BV
Barium, Total	50.7		mg/kg	0.923	0.161	2	11/05/20 10:26	11/06/20 17:25	EPA 3050B	1,6010D	BV
Beryllium, Total	0.240	J	mg/kg	0.462	0.031	2	11/05/20 10:26	11/06/20 17:25	EPA 3050B	1,6010D	BV
Cadmium, Total	ND		mg/kg	0.923	0.091	2	11/05/20 10:26	11/06/20 17:25	EPA 3050B	1,6010D	BV
Calcium, Total	2640		mg/kg	9.23	3.23	2	11/05/20 10:26	11/06/20 17:25	EPA 3050B	1,6010D	BV
Chromium, Total	14.8		mg/kg	0.923	0.089	2	11/05/20 10:26	11/06/20 17:25	EPA 3050B	1,6010D	BV
Cobalt, Total	7.50		mg/kg	1.85	0.153	2	11/05/20 10:26	11/06/20 17:25	EPA 3050B	1,6010D	BV
Copper, Total	20.4		mg/kg	0.923	0.238	2	11/05/20 10:26	11/06/20 17:25	EPA 3050B	1,6010D	BV
Iron, Total	17000		mg/kg	4.62	0.834	2	11/05/20 10:26	11/06/20 17:25	EPA 3050B	1,6010D	BV
Lead, Total	51.1		mg/kg	4.62	0.247	2	11/05/20 10:26	11/06/20 17:25	EPA 3050B	1,6010D	BV
Magnesium, Total	3560		mg/kg	9.23	1.42	2	11/05/20 10:26	11/06/20 17:25	EPA 3050B	1,6010D	BV
Manganese, Total	316		mg/kg	0.923	0.147	2	11/05/20 10:26	11/06/20 17:25	EPA 3050B	1,6010D	BV
Mercury, Total	0.077	J	mg/kg	0.077	0.050	1	11/05/20 10:26	11/05/20 21:47	EPA 7471B	1,7471B	AL
Nickel, Total	15.8		mg/kg	2.31	0.223	2	11/05/20 10:26	11/06/20 17:25	EPA 3050B	1,6010D	BV
Potassium, Total	717		mg/kg	231	13.3	2	11/05/20 10:26	11/06/20 17:25	EPA 3050B	1,6010D	BV
Selenium, Total	ND		mg/kg	1.85	0.238	2	11/05/20 10:26	11/06/20 17:25	EPA 3050B	1,6010D	BV
Silver, Total	ND		mg/kg	0.923	0.261	2	11/05/20 10:26	11/06/20 17:25	EPA 3050B	1,6010D	BV
Sodium, Total	49.4	J	mg/kg	185	2.91	2	11/05/20 10:26	11/06/20 17:25	EPA 3050B	1,6010D	BV
Thallium, Total	ND		mg/kg	1.85	0.291	2	11/05/20 10:26	11/06/20 17:25	EPA 3050B	1,6010D	BV
Vanadium, Total	21.6		mg/kg	0.923	0.187	2	11/05/20 10:26	11/06/20 17:25	EPA 3050B	1,6010D	BV
Zinc, Total	50.8		mg/kg	4.62	0.270	2	11/05/20 10:26	11/06/20 17:25	EPA 3050B	1,6010D	BV
<b>General Chemistry - Mansfield Lab</b>											
Chromium, Trivalent	15		mg/kg	0.94	0.94	1		11/06/20 17:25	NA	107,-	



Project Name: 266-270 W. 96TH ST

Lab Number: L2047884

Project Number: 170432001

Report Date: 11/16/20

## SAMPLE RESULTS

Lab ID: L2047884-10

Date Collected: 11/02/20 14:30

Client ID: SBFB01\_11022020

Date Received: 11/02/20

Sample Location: NY, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Field Blank

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Aluminum, Total	ND		mg/l	0.0100	0.00327	1	11/05/20 10:28	11/05/20 14:58	EPA 3005A	1,6020B	AM
Antimony, Total	ND		mg/l	0.00400	0.00042	1	11/05/20 10:28	11/05/20 14:58	EPA 3005A	1,6020B	AM
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	11/05/20 10:28	11/05/20 14:58	EPA 3005A	1,6020B	AM
Barium, Total	0.00040	J	mg/l	0.00050	0.00017	1	11/05/20 10:28	11/05/20 14:58	EPA 3005A	1,6020B	AM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	11/05/20 10:28	11/05/20 14:58	EPA 3005A	1,6020B	AM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	11/05/20 10:28	11/05/20 14:58	EPA 3005A	1,6020B	AM
Calcium, Total	ND		mg/l	0.100	0.0394	1	11/05/20 10:28	11/05/20 14:58	EPA 3005A	1,6020B	AM
Chromium, Total	ND		mg/l	0.00100	0.00017	1	11/05/20 10:28	11/05/20 14:58	EPA 3005A	1,6020B	AM
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	11/05/20 10:28	11/05/20 14:58	EPA 3005A	1,6020B	AM
Copper, Total	ND		mg/l	0.00100	0.00038	1	11/05/20 10:28	11/05/20 14:58	EPA 3005A	1,6020B	AM
Iron, Total	ND		mg/l	0.0500	0.0191	1	11/05/20 10:28	11/05/20 14:58	EPA 3005A	1,6020B	AM
Lead, Total	0.00275		mg/l	0.00100	0.00034	1	11/05/20 10:28	11/05/20 14:58	EPA 3005A	1,6020B	AM
Magnesium, Total	ND		mg/l	0.0700	0.0242	1	11/05/20 10:28	11/05/20 14:58	EPA 3005A	1,6020B	AM
Manganese, Total	ND		mg/l	0.00100	0.00044	1	11/05/20 10:28	11/05/20 14:58	EPA 3005A	1,6020B	AM
Mercury, Total	ND		mg/l	0.00020	0.00009	1	11/05/20 10:18	11/05/20 13:58	EPA 7470A	1,7470A	EW
Nickel, Total	ND		mg/l	0.00200	0.00055	1	11/05/20 10:28	11/05/20 14:58	EPA 3005A	1,6020B	AM
Potassium, Total	ND		mg/l	0.100	0.0309	1	11/05/20 10:28	11/05/20 14:58	EPA 3005A	1,6020B	AM
Selenium, Total	ND		mg/l	0.00500	0.00173	1	11/05/20 10:28	11/05/20 14:58	EPA 3005A	1,6020B	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	11/05/20 10:28	11/05/20 14:58	EPA 3005A	1,6020B	AM
Sodium, Total	ND		mg/l	0.100	0.0293	1	11/05/20 10:28	11/05/20 14:58	EPA 3005A	1,6020B	AM
Thallium, Total	ND		mg/l	0.00050	0.00014	1	11/05/20 10:28	11/05/20 14:58	EPA 3005A	1,6020B	AM
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	11/05/20 10:28	11/05/20 14:58	EPA 3005A	1,6020B	AM
Zinc, Total	ND		mg/l	0.01000	0.00341	1	11/05/20 10:28	11/05/20 14:58	EPA 3005A	1,6020B	AM
<b>General Chemistry - Mansfield Lab</b>											
Chromium, Trivalent	ND		mg/l	0.010	0.010	1		11/05/20 14:58	NA	107,-	



**Project Name:** 266-270 W. 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047884  
**Report Date:** 11/16/20

## Method Blank Analysis Batch Quality Control

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-07 Batch: WG1430340-1									
Mercury, Total	ND	mg/kg	0.083	0.054	1	11/05/20 10:26	11/05/20 20:45	1,7471B	AL

### Prep Information

Digestion Method: EPA 7471B

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-07 Batch: WG1430351-1									
Aluminum, Total	ND	mg/kg	4.00	1.08	1	11/05/20 10:26	11/06/20 12:58	1,6010D	GD
Antimony, Total	ND	mg/kg	2.00	0.152	1	11/05/20 10:26	11/06/20 12:58	1,6010D	GD
Arsenic, Total	0.124 J	mg/kg	0.400	0.083	1	11/05/20 10:26	11/06/20 12:58	1,6010D	GD
Barium, Total	ND	mg/kg	0.400	0.070	1	11/05/20 10:26	11/06/20 12:58	1,6010D	GD
Beryllium, Total	ND	mg/kg	0.200	0.013	1	11/05/20 10:26	11/06/20 12:58	1,6010D	GD
Cadmium, Total	ND	mg/kg	0.400	0.039	1	11/05/20 10:26	11/06/20 12:58	1,6010D	GD
Calcium, Total	ND	mg/kg	4.00	1.40	1	11/05/20 10:26	11/06/20 12:58	1,6010D	GD
Chromium, Total	ND	mg/kg	0.400	0.038	1	11/05/20 10:26	11/06/20 12:58	1,6010D	GD
Cobalt, Total	ND	mg/kg	0.800	0.066	1	11/05/20 10:26	11/06/20 12:58	1,6010D	GD
Copper, Total	ND	mg/kg	0.400	0.103	1	11/05/20 10:26	11/06/20 12:58	1,6010D	GD
Iron, Total	0.676 J	mg/kg	2.00	0.361	1	11/05/20 10:26	11/06/20 12:58	1,6010D	GD
Lead, Total	ND	mg/kg	2.00	0.107	1	11/05/20 10:26	11/06/20 12:58	1,6010D	GD
Magnesium, Total	ND	mg/kg	4.00	0.616	1	11/05/20 10:26	11/06/20 12:58	1,6010D	GD
Manganese, Total	ND	mg/kg	0.400	0.064	1	11/05/20 10:26	11/06/20 12:58	1,6010D	GD
Nickel, Total	ND	mg/kg	1.00	0.097	1	11/05/20 10:26	11/06/20 12:58	1,6010D	GD
Potassium, Total	ND	mg/kg	100	5.76	1	11/05/20 10:26	11/06/20 12:58	1,6010D	GD
Selenium, Total	ND	mg/kg	0.800	0.103	1	11/05/20 10:26	11/06/20 14:59	1,6010D	GD
Silver, Total	ND	mg/kg	0.400	0.113	1	11/05/20 10:26	11/06/20 12:58	1,6010D	GD
Sodium, Total	ND	mg/kg	80.0	1.26	1	11/05/20 10:26	11/06/20 12:58	1,6010D	GD
Thallium, Total	ND	mg/kg	0.800	0.126	1	11/05/20 10:26	11/06/20 12:58	1,6010D	GD
Vanadium, Total	ND	mg/kg	0.400	0.081	1	11/05/20 10:26	11/06/20 12:58	1,6010D	GD
Zinc, Total	ND	mg/kg	2.00	0.117	1	11/05/20 10:26	11/06/20 12:58	1,6010D	GD

**Project Name:** 266-270 W. 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047884  
**Report Date:** 11/16/20

## Method Blank Analysis Batch Quality Control

### Prep Information

Digestion Method: EPA 3050B

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 10 Batch: WG1430393-1									
Aluminum, Total	ND	mg/l	0.0100	0.00327	1	11/05/20 10:28	11/05/20 14:48	1,6020B	AM
Antimony, Total	ND	mg/l	0.00400	0.00042	1	11/05/20 10:28	11/05/20 14:48	1,6020B	AM
Arsenic, Total	ND	mg/l	0.00050	0.00016	1	11/05/20 10:28	11/05/20 14:48	1,6020B	AM
Barium, Total	ND	mg/l	0.00050	0.00017	1	11/05/20 10:28	11/05/20 14:48	1,6020B	AM
Beryllium, Total	ND	mg/l	0.00050	0.00010	1	11/05/20 10:28	11/05/20 14:48	1,6020B	AM
Cadmium, Total	ND	mg/l	0.00020	0.00005	1	11/05/20 10:28	11/05/20 14:48	1,6020B	AM
Calcium, Total	ND	mg/l	0.100	0.0394	1	11/05/20 10:28	11/05/20 14:48	1,6020B	AM
Chromium, Total	ND	mg/l	0.00100	0.00017	1	11/05/20 10:28	11/05/20 14:48	1,6020B	AM
Cobalt, Total	ND	mg/l	0.00050	0.00016	1	11/05/20 10:28	11/05/20 14:48	1,6020B	AM
Copper, Total	ND	mg/l	0.00100	0.00038	1	11/05/20 10:28	11/05/20 14:48	1,6020B	AM
Iron, Total	ND	mg/l	0.0500	0.0191	1	11/05/20 10:28	11/05/20 14:48	1,6020B	AM
Lead, Total	ND	mg/l	0.00100	0.00034	1	11/05/20 10:28	11/05/20 14:48	1,6020B	AM
Magnesium, Total	ND	mg/l	0.0700	0.0242	1	11/05/20 10:28	11/05/20 14:48	1,6020B	AM
Manganese, Total	ND	mg/l	0.00100	0.00044	1	11/05/20 10:28	11/05/20 14:48	1,6020B	AM
Nickel, Total	ND	mg/l	0.00200	0.00055	1	11/05/20 10:28	11/05/20 14:48	1,6020B	AM
Potassium, Total	ND	mg/l	0.100	0.0309	1	11/05/20 10:28	11/05/20 14:48	1,6020B	AM
Selenium, Total	ND	mg/l	0.00500	0.00173	1	11/05/20 10:28	11/05/20 14:48	1,6020B	AM
Silver, Total	ND	mg/l	0.00040	0.00016	1	11/05/20 10:28	11/05/20 14:48	1,6020B	AM
Sodium, Total	ND	mg/l	0.100	0.0293	1	11/05/20 10:28	11/05/20 14:48	1,6020B	AM
Thallium, Total	ND	mg/l	0.00050	0.00014	1	11/05/20 10:28	11/05/20 14:48	1,6020B	AM
Vanadium, Total	ND	mg/l	0.00500	0.00157	1	11/05/20 10:28	11/05/20 14:48	1,6020B	AM
Zinc, Total	ND	mg/l	0.01000	0.00341	1	11/05/20 10:28	11/05/20 14:48	1,6020B	AM

### Prep Information

Digestion Method: EPA 3005A



Project Name: 266-270 W. 96TH ST

Lab Number: L2047884

Project Number: 170432001

Report Date: 11/16/20

## Method Blank Analysis Batch Quality Control

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 10 Batch: WG1430399-1									
Mercury, Total	ND	mg/l	0.00020	0.00009	1	11/05/20 10:18	11/05/20 13:53	1,7470A	EW

### Prep Information

Digestion Method: EPA 7470A

## Lab Control Sample Analysis

Batch Quality Control

Project Name: 266-270 W. 96TH ST

Project Number: 170432001

Lab Number: L2047884

Report Date: 11/16/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-07 Batch: WG1430340-2 SRM Lot Number: D109-540								
Mercury, Total	113		-		60-140	-		

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 266-270 W. 96TH ST

**Project Number:** 170432001

**Lab Number:** L2047884

**Report Date:** 11/16/20

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-07 Batch: WG1430351-2 SRM Lot Number: D109-540					
Aluminum, Total	73	-	50-150	-	
Antimony, Total	164	-	19-250	-	
Arsenic, Total	99	-	70-130	-	
Barium, Total	100	-	75-125	-	
Beryllium, Total	104	-	75-125	-	
Cadmium, Total	101	-	75-125	-	
Calcium, Total	101	-	73-128	-	
Chromium, Total	102	-	70-130	-	
Cobalt, Total	104	-	75-125	-	
Copper, Total	107	-	75-125	-	
Iron, Total	102	-	35-165	-	
Lead, Total	102	-	72-128	-	
Magnesium, Total	91	-	62-138	-	
Manganese, Total	101	-	74-126	-	
Nickel, Total	100	-	70-130	-	
Potassium, Total	84	-	59-141	-	
Selenium, Total	97	-	68-132	-	
Silver, Total	99	-	68-131	-	
Sodium, Total	99	-	35-165	-	
Thallium, Total	109	-	68-131	-	
Vanadium, Total	100	-	59-141	-	



## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 266-270 W. 96TH ST

**Project Number:** 170432001

**Lab Number:** L2047884

**Report Date:** 11/16/20

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-07 Batch: WG1430351-2 SRM Lot Number: D109-540					
Zinc, Total	93	-	70-130	-	

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 266-270 W. 96TH ST

**Project Number:** 170432001

**Lab Number:** L2047884

**Report Date:** 11/16/20

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 10 Batch: WG1430393-2					
Aluminum, Total	103	-	80-120	-	
Antimony, Total	96	-	80-120	-	
Arsenic, Total	106	-	80-120	-	
Barium, Total	104	-	80-120	-	
Beryllium, Total	97	-	80-120	-	
Cadmium, Total	111	-	80-120	-	
Calcium, Total	99	-	80-120	-	
Chromium, Total	98	-	80-120	-	
Cobalt, Total	102	-	80-120	-	
Copper, Total	105	-	80-120	-	
Iron, Total	106	-	80-120	-	
Lead, Total	109	-	80-120	-	
Magnesium, Total	105	-	80-120	-	
Manganese, Total	100	-	80-120	-	
Nickel, Total	98	-	80-120	-	
Potassium, Total	99	-	80-120	-	
Selenium, Total	104	-	80-120	-	
Silver, Total	109	-	80-120	-	
Sodium, Total	102	-	80-120	-	
Thallium, Total	104	-	80-120	-	
Vanadium, Total	98	-	80-120	-	

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 266-270 W. 96TH ST

**Project Number:** 170432001

**Lab Number:** L2047884

**Report Date:** 11/16/20

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 10 Batch: WG1430393-2					
Zinc, Total	111	-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 10 Batch: WG1430399-2					
Mercury, Total	100	-	80-120	-	

**Matrix Spike Analysis**  
Batch Quality Control

Project Name: 266-270 W. 96TH ST

Lab Number: L2047884

Project Number: 170432001

Report Date: 11/16/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-07    QC Batch ID: WG1430340-3    QC Sample: L2047884-01    Client ID: SB12_0-1												
Mercury, Total	0.515	0.146	0.635	82		-	-		80-120	-		20

### Matrix Spike Analysis Batch Quality Control

Project Name: 266-270 W. 96TH ST

Lab Number: L2047884

Project Number: 170432001

Report Date: 11/16/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-07    QC Batch ID: WG1430351-3    QC Sample: L2047852-01    Client ID: MS Sample									
Aluminum, Total	6020	192	7160	593	Q	-	75-125	-	20
Antimony, Total	15.7	48	52.2	76		-	75-125	-	20
Arsenic, Total	16.1	11.5	36.5	177	Q	-	75-125	-	20
Barium, Total	471	192	782	162	Q	-	75-125	-	20
Beryllium, Total	0.264J	4.8	4.86	101		-	75-125	-	20
Cadmium, Total	0.901J	4.9	4.34	89		-	75-125	-	20
Calcium, Total	4990	960	4370	0	Q	-	75-125	-	20
Chromium, Total	28.2	19.2	47.2	99		-	75-125	-	20
Cobalt, Total	6.26	48	51.0	93		-	75-125	-	20
Copper, Total	339	24	420	337	Q	-	75-125	-	20
Iron, Total	27300	96	41200	14500	Q	-	75-125	-	20
Lead, Total	944	49	1600	1340	Q	-	75-125	-	20
Magnesium, Total	1990	960	3520	159	Q	-	75-125	-	20
Manganese, Total	376	48	532	325	Q	-	75-125	-	20
Nickel, Total	21.5	48	65.3	91		-	75-125	-	20
Potassium, Total	660	960	1540	92		-	75-125	-	20
Selenium, Total	3.16	11.5	15.3	105		-	75-125	-	20
Silver, Total	1.12	28.8	28.5	95		-	75-125	-	20
Sodium, Total	865	960	2470	167	Q	-	75-125	-	20
Thallium, Total	ND	11.5	9.48	82		-	75-125	-	20
Vanadium, Total	28.6	48	73.0	92		-	75-125	-	20

**Matrix Spike Analysis**  
Batch Quality Control

Project Name: 266-270 W. 96TH ST

Lab Number: L2047884

Project Number: 170432001

Report Date: 11/16/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-07    QC Batch ID: WG1430351-3    QC Sample: L2047852-01    Client ID: MS Sample									
Zinc, Total	737	48	872	281	Q	-	75-125	-	20

### Matrix Spike Analysis Batch Quality Control

Project Name: 266-270 W. 96TH ST

Lab Number: L2047884

Project Number: 170432001

Report Date: 11/16/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 10    QC Batch ID: WG1430393-3    QC Sample: L2047884-10    Client ID: SBFB01_11022020									
Aluminum, Total	ND	2	2.01	100	-	-	75-125	-	20
Antimony, Total	ND	0.5	0.4830	97	-	-	75-125	-	20
Arsenic, Total	ND	0.12	0.1271	106	-	-	75-125	-	20
Barium, Total	0.00040J	2	2.072	104	-	-	75-125	-	20
Beryllium, Total	ND	0.05	0.05128	102	-	-	75-125	-	20
Cadmium, Total	ND	0.051	0.05695	112	-	-	75-125	-	20
Calcium, Total	ND	10	9.54	95	-	-	75-125	-	20
Chromium, Total	ND	0.2	0.1956	98	-	-	75-125	-	20
Cobalt, Total	ND	0.5	0.5075	102	-	-	75-125	-	20
Copper, Total	ND	0.25	0.2694	108	-	-	75-125	-	20
Iron, Total	ND	1	1.03	103	-	-	75-125	-	20
Lead, Total	0.00275	0.51	0.5531	108	-	-	75-125	-	20
Magnesium, Total	ND	10	10.2	102	-	-	75-125	-	20
Manganese, Total	ND	0.5	0.4944	99	-	-	75-125	-	20
Nickel, Total	ND	0.5	0.4930	99	-	-	75-125	-	20
Potassium, Total	ND	10	10.1	101	-	-	75-125	-	20
Selenium, Total	ND	0.12	0.135	112	-	-	75-125	-	20
Silver, Total	ND	0.05	0.05428	108	-	-	75-125	-	20
Sodium, Total	ND	10	10.1	101	-	-	75-125	-	20
Thallium, Total	ND	0.12	0.1249	104	-	-	75-125	-	20
Vanadium, Total	ND	0.5	0.4927	98	-	-	75-125	-	20

**Matrix Spike Analysis**  
Batch Quality Control

Project Name: 266-270 W. 96TH ST

Lab Number: L2047884

Project Number: 170432001

Report Date: 11/16/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 10    QC Batch ID: WG1430393-3    QC Sample: L2047884-10    Client ID: SBFB01_11022020									
Zinc, Total	ND	0.5	0.5610	112	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 10    QC Batch ID: WG1430399-3    QC Sample: L2047884-10    Client ID: SBFB01_11022020									
Mercury, Total	ND	0.005	0.00493	99	-	-	75-125	-	20



**Lab Duplicate Analysis**  
*Batch Quality Control***Project Name:** 266-270 W. 96TH ST**Project Number:** 170432001**Lab Number:** L2047884**Report Date:** 11/16/20

<b>Parameter</b>	<b>Native Sample</b>	<b>Duplicate Sample</b>	<b>Units</b>	<b>RPD</b>	<b>Qual</b>	<b>RPD Limits</b>
Total Metals - Mansfield Lab Associated sample(s): 01-07 QC Batch ID: WG1430340-4 QC Sample: L2047884-01 Client ID: SB12_0-1						
Mercury, Total	0.515	0.319	mg/kg	47	Q	20

## Lab Duplicate Analysis

*Batch Quality Control*

Project Name: 266-270 W. 96TH ST

Project Number: 170432001

Lab Number: L2047884

Report Date: 11/16/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-07 QC Batch ID: WG1430351-4 QC Sample: L2047852-01 Client ID: DUP Sample					
Aluminum, Total	6020	7830	mg/kg	26	Q 20
Antimony, Total	15.7	4.91	mg/kg	105	Q 20
Arsenic, Total	16.1	11.1	mg/kg	37	Q 20
Barium, Total	471	303	mg/kg	43	Q 20
Beryllium, Total	0.264J	0.323J	mg/kg	NC	20
Cadmium, Total	0.901J	0.618J	mg/kg	NC	20
Calcium, Total	4990	5090	mg/kg	2	20
Chromium, Total	28.2	59.5	mg/kg	71	Q 20
Cobalt, Total	6.26	9.28	mg/kg	39	Q 20
Copper, Total	339	226	mg/kg	40	Q 20
Iron, Total	27300	31800	mg/kg	15	20
Lead, Total	944	624	mg/kg	41	Q 20
Magnesium, Total	1990	2280	mg/kg	14	20
Manganese, Total	376	379	mg/kg	1	20
Nickel, Total	21.5	19.4	mg/kg	10	20
Potassium, Total	660	674	mg/kg	2	20
Silver, Total	1.12	0.628J	mg/kg	NC	20
Sodium, Total	865	535	mg/kg	47	Q 20
Thallium, Total	ND	ND	mg/kg	NC	20

## Lab Duplicate Analysis

*Batch Quality Control*

Project Name: 266-270 W. 96TH ST

Project Number: 170432001

Lab Number: L2047884

Report Date: 11/16/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-07 QC Batch ID: WG1430351-4 QC Sample: L2047852-01 Client ID: DUP Sample					
Vanadium, Total	28.6	41.7	mg/kg	<b>37</b>	Q 20
Zinc, Total	737	553	mg/kg	<b>29</b>	Q 20
Total Metals - Mansfield Lab Associated sample(s): 01-07 QC Batch ID: WG1430351-4 QC Sample: L2047852-01 Client ID: DUP Sample					
Selenium, Total	3.16	4.81	mg/kg	<b>41</b>	Q 20

## Lab Duplicate Analysis

*Batch Quality Control*

Project Name: 266-270 W. 96TH ST

Project Number: 170432001

Lab Number: L2047884

Report Date: 11/16/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 10 QC Batch ID: WG1430393-4 QC Sample: L2047884-10 Client ID: SBFB01_11022020					
Aluminum, Total	ND	ND	mg/l	NC	20
Antimony, Total	ND	ND	mg/l	NC	20
Arsenic, Total	ND	ND	mg/l	NC	20
Barium, Total	0.00040J	0.00029J	mg/l	NC	20
Beryllium, Total	ND	ND	mg/l	NC	20
Cadmium, Total	ND	ND	mg/l	NC	20
Calcium, Total	ND	ND	mg/l	NC	20
Chromium, Total	ND	ND	mg/l	NC	20
Cobalt, Total	ND	ND	mg/l	NC	20
Copper, Total	ND	ND	mg/l	NC	20
Iron, Total	ND	ND	mg/l	NC	20
Lead, Total	0.00275	0.00281	mg/l	2	20
Magnesium, Total	ND	ND	mg/l	NC	20
Manganese, Total	ND	ND	mg/l	NC	20
Nickel, Total	ND	ND	mg/l	NC	20
Potassium, Total	ND	ND	mg/l	NC	20
Selenium, Total	ND	ND	mg/l	NC	20
Silver, Total	ND	ND	mg/l	NC	20
Sodium, Total	ND	ND	mg/l	NC	20

## Lab Duplicate Analysis

*Batch Quality Control*

**Project Name:** 266-270 W. 96TH ST

**Project Number:** 170432001

**Lab Number:** L2047884

**Report Date:** 11/16/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 10 QC Batch ID: WG1430393-4 QC Sample: L2047884-10 Client ID: SBFB01_11022020					
Thallium, Total	ND	ND	mg/l	NC	20
Vanadium, Total	ND	ND	mg/l	NC	20
Zinc, Total	ND	ND	mg/l	NC	20
Total Metals - Mansfield Lab Associated sample(s): 10 QC Batch ID: WG1430399-4 QC Sample: L2047884-10 Client ID: SBFB01_11022020					
Mercury, Total	ND	ND	mg/l	NC	20

# **INORGANICS & MISCELLANEOUS**

**Project Name:** 266-270 W. 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047884  
**Report Date:** 11/16/20

**SAMPLE RESULTS**

**Lab ID:** L2047884-01  
**Client ID:** SB12\_0-1  
**Sample Location:** NY, NY

**Date Collected:** 11/02/20 09:30  
**Date Received:** 11/02/20  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	87.4		%	0.100	NA	1	-	11/03/20 11:07	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.1	0.24	1	11/04/20 14:25	11/05/20 10:21	1,9010C/9012B	AG
Chromium, Hexavalent	ND		mg/kg	0.915	0.183	1	11/03/20 17:30	11/04/20 17:00	1,7196A	NA



**Project Name:** 266-270 W. 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047884  
**Report Date:** 11/16/20

**SAMPLE RESULTS**

**Lab ID:** L2047884-02  
**Client ID:** SB12\_3.5-5  
**Sample Location:** NY, NY

**Date Collected:** 11/02/20 09:10  
**Date Received:** 11/02/20  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	87.0		%	0.100	NA	1	-	11/03/20 11:07	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.1	0.24	1	11/04/20 14:25	11/05/20 10:43	1,9010C/9012B	AG
Chromium, Hexavalent	ND		mg/kg	0.920	0.184	1	11/03/20 17:30	11/04/20 17:00	1,7196A	NA





**Project Name:** 266-270 W. 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047884  
**Report Date:** 11/16/20

**SAMPLE RESULTS**

**Lab ID:** L2047884-03  
**Client ID:** SB12\_11-12.5  
**Sample Location:** NY, NY

**Date Collected:** 11/02/20 10:00  
**Date Received:** 11/02/20  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	85.6		%	0.100	NA	1	-	11/03/20 11:07	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.1	0.23	1	11/04/20 14:25	11/05/20 10:25	1,9010C/9012B	AG
Chromium, Hexavalent	ND		mg/kg	0.934	0.187	1	11/03/20 17:30	11/04/20 17:00	1,7196A	NA



**Project Name:** 266-270 W. 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047884  
**Report Date:** 11/16/20

**SAMPLE RESULTS**

**Lab ID:** L2047884-04  
**Client ID:** SB13\_0-1.5  
**Sample Location:** NY, NY

**Date Collected:** 11/02/20 12:50  
**Date Received:** 11/02/20  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	86.5		%	0.100	NA	1	-	11/03/20 11:07	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.1	0.23	1	11/05/20 15:55	11/06/20 11:21	1,9010C/9012B	CR
Chromium, Hexavalent	ND		mg/kg	0.925	0.185	1	11/03/20 17:30	11/04/20 17:00	1,7196A	NA



**Project Name:** 266-270 W. 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047884  
**Report Date:** 11/16/20

**SAMPLE RESULTS**

**Lab ID:** L2047884-05  
**Client ID:** SB13\_4-6  
**Sample Location:** NY, NY

**Date Collected:** 11/02/20 13:15  
**Date Received:** 11/02/20  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	85.9		%	0.100	NA	1	-	11/03/20 11:07	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.1	0.23	1	11/04/20 14:25	11/05/20 10:27	1,9010C/9012B	AG
Chromium, Hexavalent	ND		mg/kg	0.931	0.186	1	11/03/20 17:30	11/04/20 17:00	1,7196A	NA



**Project Name:** 266-270 W. 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047884  
**Report Date:** 11/16/20

**SAMPLE RESULTS**

**Lab ID:** L2047884-06  
**Client ID:** SB13\_7.5-9  
**Sample Location:** NY, NY

**Date Collected:** 11/02/20 13:30  
**Date Received:** 11/02/20  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	84.1		%	0.100	NA	1	-	11/03/20 11:07	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.1	0.24	1	11/04/20 14:25	11/05/20 10:29	1,9010C/9012B	AG
Chromium, Hexavalent	ND		mg/kg	0.951	0.190	1	11/03/20 17:30	11/04/20 17:00	1,7196A	NA



**Project Name:** 266-270 W. 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047884  
**Report Date:** 11/16/20

**SAMPLE RESULTS**

**Lab ID:** L2047884-07  
**Client ID:** SBDUP01\_11022020  
**Sample Location:** NY, NY

**Date Collected:** 11/02/20 00:00  
**Date Received:** 11/02/20  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	85.3		%	0.100	NA	1	-	11/03/20 11:07	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.1	0.23	1	11/04/20 14:25	11/05/20 10:30	1,9010C/9012B	AG
Chromium, Hexavalent	ND		mg/kg	0.938	0.188	1	11/03/20 17:30	11/04/20 17:00	1,7196A	NA



**Project Name:** 266-270 W. 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047884  
**Report Date:** 11/16/20

**SAMPLE RESULTS**

**Lab ID:** L2047884-10  
**Client ID:** SBFB01\_11022020  
**Sample Location:** NY, NY

**Date Collected:** 11/02/20 14:30  
**Date Received:** 11/02/20  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Field Blank

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Cyanide, Total	ND		mg/l	0.005	0.001	1	11/04/20 14:55	11/05/20 16:12	1,9010C/9012B	CR
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	11/03/20 07:00	11/03/20 07:11	1,7196A	JA



**Project Name:** 266-270 W. 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047884  
**Report Date:** 11/16/20

**Method Blank Analysis**  
**Batch Quality Control**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 10 Batch: WG1429652-1										
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	11/03/20 07:00	11/03/20 07:09	1,7196A	JA
General Chemistry - Westborough Lab for sample(s): 01-07 Batch: WG1429931-1										
Chromium, Hexavalent	ND		mg/kg	0.800	0.160	1	11/03/20 17:30	11/04/20 17:00	1,7196A	NA
General Chemistry - Westborough Lab for sample(s): 01-03,05-07 Batch: WG1430310-1										
Cyanide, Total	ND		mg/kg	0.86	0.18	1	11/04/20 14:25	11/05/20 10:11	1,9010C/9012B	AG
General Chemistry - Westborough Lab for sample(s): 10 Batch: WG1430386-1										
Cyanide, Total	ND		mg/l	0.005	0.001	1	11/04/20 14:55	11/05/20 17:01	1,9010C/9012B	CR
General Chemistry - Westborough Lab for sample(s): 04 Batch: WG1430856-1										
Cyanide, Total	ND		mg/kg	0.84	0.18	1	11/05/20 15:55	11/06/20 11:00	1,9010C/9012B	CR

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 266-270 W. 96TH ST

Project Number: 170432001

Lab Number: L2047884

Report Date: 11/16/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 10 Batch: WG1429652-2								
Chromium, Hexavalent	100		-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 01-07 Batch: WG1429931-2								
Chromium, Hexavalent	87		-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 01-03,05-07 Batch: WG1430310-2 WG1430310-3								
Cyanide, Total	72	Q	65	Q	80-120	11		35
General Chemistry - Westborough Lab Associated sample(s): 10 Batch: WG1430386-2 WG1430386-3								
Cyanide, Total	94		96		85-115	2		20
General Chemistry - Westborough Lab Associated sample(s): 04 Batch: WG1430856-2 WG1430856-3								
Cyanide, Total	53	Q	64	Q	80-120	19		35



### Matrix Spike Analysis Batch Quality Control

Project Name: 266-270 W. 96TH ST

Lab Number: L2047884

Project Number: 170432001

Report Date: 11/16/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Qual	MSD Found	MSD %Recovery	MSD Qual	Recovery Limits	RPD	RPD Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 10 QC Batch ID: WG1429652-4 QC Sample: L2047884-10 Client ID: SBFB01_11022020												
Chromium, Hexavalent	ND	0.1	0.105	105	-	-	-	-	85-115	-	-	20
General Chemistry - Westborough Lab Associated sample(s): 01-07 QC Batch ID: WG1429931-4 QC Sample: L2047884-01 Client ID: SB12_0-1												
Chromium, Hexavalent	ND	1060	882	84	-	-	-	-	75-125	-	-	20
General Chemistry - Westborough Lab Associated sample(s): 01-03,05-07 QC Batch ID: WG1430310-4 WG1430310-5 QC Sample: L2047884-01 Client ID: SB12_0-1												
Cyanide, Total	ND	11	10	90	10	92	92	92	75-125	0	0	35
General Chemistry - Westborough Lab Associated sample(s): 10 QC Batch ID: WG1430386-4 WG1430386-5 QC Sample: L2048144-01 Client ID: MS Sample												
Cyanide, Total	ND	0.2	0.181	90	0.184	92	92	92	80-120	2	2	20
General Chemistry - Westborough Lab Associated sample(s): 04 QC Batch ID: WG1430856-4 WG1430856-5 QC Sample: L2047943-01 Client ID: MS Sample												
Cyanide, Total	ND	11	10	89	11	95	95	95	75-125	10	10	35

## Lab Duplicate Analysis

*Batch Quality Control*

Project Name: 266-270 W. 96TH ST

Project Number: 170432001

Lab Number: L2047884

Report Date: 11/16/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 10 QC Batch ID: WG1429652-3 QC Sample: L2047884-10 Client ID: SBFB01_11022020						
Chromium, Hexavalent	ND	ND	mg/l	NC		20
General Chemistry - Westborough Lab Associated sample(s): 01-07 QC Batch ID: WG1429681-1 QC Sample: L2047884-01 Client ID: SB12_0-1						
Solids, Total	87.4	86.6	%	1		20
General Chemistry - Westborough Lab Associated sample(s): 01-07 QC Batch ID: WG1429931-6 QC Sample: L2047884-01 Client ID: SB12_0-1						
Chromium, Hexavalent	ND	ND	mg/kg	NC		20

**Project Name:** 266-270 W. 96TH ST  
**Project Number:** 170432001

**Serial\_No:**11162015:27  
**Lab Number:** L2047884  
**Report Date:** 11/16/20

**Sample Receipt and Container Information**

Were project specific reporting limits specified? YES

**Cooler Information**

<b>Cooler</b>	<b>Custody Seal</b>
A	Absent
B	Absent

**Container Information**

<b>Container ID</b>	<b>Container Type</b>	<b>Cooler</b>	<b>Initial pH</b>	<b>Final pH</b>	<b>Temp deg C</b>	<b>Pres</b>	<b>Seal</b>	<b>Frozen Date/Time</b>	<b>Analysis(*)</b>
L2047884-01A	Vial MeOH preserved	B	NA		3.4	Y	Absent		NYTCL-8260HLW(14)
L2047884-01B	Vial water preserved	B	NA		3.4	Y	Absent	03-NOV-20 06:48	NYTCL-8260HLW(14)
L2047884-01C	Vial water preserved	B	NA		3.4	Y	Absent	03-NOV-20 06:48	NYTCL-8260HLW(14)
L2047884-01D	Plastic 2oz unpreserved for TS	B	NA		3.4	Y	Absent		TS(7)
L2047884-01D1	Plastic 2oz unpreserved for TS	A	NA		3.1	Y	Absent		TS(7)
L2047884-01E	Metals Only-Glass 60mL/2oz unpreserved	B	NA		3.4	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),AL-TI(180),NI-TI(180),TL-TI(180),PB-TI(180),ZN-TI(180),SB-TI(180),SE-TI(180),CU-TI(180),V-TI(180),CO-TI(180),MN-TI(180),FE-TI(180),HG-T(28),MG-TI(180),CA-TI(180),K-TI(180),NA-TI(180),CD-TI(180)
L2047884-01F	Glass 120ml/4oz unpreserved	B	NA		3.4	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30)
L2047884-01G	Plastic 8oz unpreserved	A	NA		3.1	Y	Absent		A2-NY-537-ISOTOPE(14)
L2047884-01H	Glass 250ml/8oz unpreserved	B	NA		3.4	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30)
L2047884-02A	Vial MeOH preserved	B	NA		3.4	Y	Absent		NYTCL-8260HLW(14)
L2047884-02B	Vial water preserved	B	NA		3.4	Y	Absent	03-NOV-20 06:48	NYTCL-8260HLW(14)
L2047884-02C	Vial water preserved	B	NA		3.4	Y	Absent	03-NOV-20 06:48	NYTCL-8260HLW(14)
L2047884-02D	Plastic 2oz unpreserved for TS	B	NA		3.4	Y	Absent		TS(7)
L2047884-02D1	Plastic 2oz unpreserved for TS	A	NA		3.1	Y	Absent		TS(7)
L2047884-02E	Metals Only-Glass 60mL/2oz unpreserved	B	NA		3.4	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),TL-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),SE-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),ZN-TI(180),V-TI(180),CO-TI(180),MG-TI(180),MN-TI(180),HG-T(28),FE-TI(180),CD-TI(180),NA-TI(180),CA-TI(180),K-TI(180)
L2047884-02F	Glass 120ml/4oz unpreserved	B	NA		3.4	Y	Absent		TCN-9010(14),NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30)

\*Values in parentheses indicate holding time in days



**Project Name:** 266-270 W. 96TH ST  
**Project Number:** 170432001

**Serial\_No:**11162015:27  
**Lab Number:** L2047884  
**Report Date:** 11/16/20

**Container Information**

<b>Container ID</b>	<b>Container Type</b>	<b>Cooler</b>	<b>Initial pH</b>	<b>Final pH</b>	<b>Temp deg C</b>	<b>Pres</b>	<b>Seal</b>	<b>Frozen Date/Time</b>	<b>Analysis(*)</b>
L2047884-02G	Plastic 8oz unpreserved	A	NA		3.1	Y	Absent		A2-NY-537-ISOTOPE(14)
L2047884-02H	Glass 250ml/8oz unpreserved	B	NA		3.4	Y	Absent		TCN-9010(14),NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30)
L2047884-03A	Vial MeOH preserved	B	NA		3.4	Y	Absent		NYTCL-8260HLW(14)
L2047884-03B	Vial water preserved	B	NA		3.4	Y	Absent	03-NOV-20 06:48	NYTCL-8260HLW(14)
L2047884-03C	Vial water preserved	B	NA		3.4	Y	Absent	03-NOV-20 06:48	NYTCL-8260HLW(14)
L2047884-03D	Plastic 2oz unpreserved for TS	B	NA		3.4	Y	Absent		TS(7)
L2047884-03D1	Plastic 2oz unpreserved for TS	A	NA		3.1	Y	Absent		TS(7)
L2047884-03E	Metals Only-Glass 60mL/2oz unpreserved	B	NA		3.4	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),TL-TI(180),NI-TI(180),AL-TI(180),CR-TI(180),PB-TI(180),CU-TI(180),ZN-TI(180),SB-TI(180),SE-TI(180),CO-TI(180),V-TI(180),MN-TI(180),FE-TI(180),HG-T(28),MG-TI(180),CA-TI(180),NA-TI(180),K-TI(180),CD-TI(180)
L2047884-03F	Glass 120ml/4oz unpreserved	B	NA		3.4	Y	Absent		TCN-9010(14),NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30)
L2047884-03G	Plastic 8oz unpreserved	A	NA		3.1	Y	Absent		A2-NY-537-ISOTOPE(14)
L2047884-03H	Glass 250ml/8oz unpreserved	B	NA		3.4	Y	Absent		TCN-9010(14),NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30)
L2047884-04A	Vial MeOH preserved	B	NA		3.4	Y	Absent		NYTCL-8260HLW(14)
L2047884-04B	Vial water preserved	B	NA		3.4	Y	Absent	03-NOV-20 06:48	NYTCL-8260HLW(14)
L2047884-04C	Vial water preserved	B	NA		3.4	Y	Absent	03-NOV-20 06:48	NYTCL-8260HLW(14)
L2047884-04D	Plastic 2oz unpreserved for TS	B	NA		3.4	Y	Absent		TS(7)
L2047884-04D1	Plastic 2oz unpreserved for TS	A	NA		3.1	Y	Absent		TS(7)
L2047884-04E	Metals Only-Glass 60mL/2oz unpreserved	B	NA		3.4	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),TL-TI(180),NI-TI(180),AL-TI(180),CR-TI(180),PB-TI(180),ZN-TI(180),CU-TI(180),SE-TI(180),SB-TI(180),CO-TI(180),V-TI(180),FE-TI(180),MN-TI(180),HG-T(28),MG-TI(180),CA-TI(180),K-TI(180),CD-TI(180),NA-TI(180)
L2047884-04F	Glass 120ml/4oz unpreserved	B	NA		3.4	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30)
L2047884-04G	Plastic 8oz unpreserved	A	NA		3.1	Y	Absent		A2-NY-537-ISOTOPE(14)
L2047884-04H	Glass 250ml/8oz unpreserved	B	NA		3.4	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30)
L2047884-05A	Vial MeOH preserved	B	NA		3.4	Y	Absent		NYTCL-8260HLW(14)
L2047884-05B	Vial water preserved	B	NA		3.4	Y	Absent	03-NOV-20 06:48	NYTCL-8260HLW(14)

**Project Name:** 266-270 W. 96TH ST  
**Project Number:** 170432001

**Serial\_No:**11162015:27  
**Lab Number:** L2047884  
**Report Date:** 11/16/20

**Container Information**

<b>Container ID</b>	<b>Container Type</b>	<b>Cooler</b>	<b>Initial pH</b>	<b>Final pH</b>	<b>Temp deg C</b>	<b>Pres</b>	<b>Seal</b>	<b>Frozen Date/Time</b>	<b>Analysis(*)</b>
L2047884-05C	Vial water preserved	B	NA		3.4	Y	Absent	03-NOV-20 06:48	NYTCL-8260HLW(14)
L2047884-05D	Plastic 2oz unpreserved for TS	B	NA		3.4	Y	Absent		TS(7)
L2047884-05D1	Plastic 2oz unpreserved for TS	A	NA		3.1	Y	Absent		TS(7)
L2047884-05E	Metals Only-Glass 60mL/2oz unpreserved	B	NA		3.4	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),AL-TI(180),NI-TI(180),TL-TI(180),SB-TI(180),CU-TI(180),PB-TI(180),ZN-TI(180),SE-TI(180),V-TI(180),CO-TI(180),MG-TI(180),FE-TI(180),HG-T(28),MN-TI(180),CA-TI(180),NA-TI(180),CD-TI(180),K-TI(180)
L2047884-05F	Glass 120ml/4oz unpreserved	B	NA		3.4	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30)
L2047884-05G	Plastic 8oz unpreserved	A	NA		3.1	Y	Absent		A2-NY-537-ISOTOPE(14)
L2047884-05H	Glass 250ml/8oz unpreserved	B	NA		3.4	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30)
L2047884-06A	Vial MeOH preserved	B	NA		3.4	Y	Absent		NYTCL-8260HLW(14)
L2047884-06B	Vial water preserved	B	NA		3.4	Y	Absent	03-NOV-20 06:48	NYTCL-8260HLW(14)
L2047884-06C	Vial water preserved	B	NA		3.4	Y	Absent	03-NOV-20 06:48	NYTCL-8260HLW(14)
L2047884-06D	Plastic 2oz unpreserved for TS	B	NA		3.4	Y	Absent		TS(7)
L2047884-06D1	Plastic 2oz unpreserved for TS	A	NA		3.1	Y	Absent		TS(7)
L2047884-06E	Metals Only-Glass 60mL/2oz unpreserved	B	NA		3.4	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),SE-TI(180),ZN-TI(180),SB-TI(180),PB-TI(180),CO-TI(180),V-TI(180),HG-T(28),FE-TI(180),MG-TI(180),MN-TI(180),NA-TI(180),CD-TI(180),K-TI(180),CA-TI(180)
L2047884-06F	Glass 120ml/4oz unpreserved	B	NA		3.4	Y	Absent		TCN-9010(14),NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30)
L2047884-06G	Plastic 8oz unpreserved	A	NA		3.1	Y	Absent		A2-NY-537-ISOTOPE(14)
L2047884-06H	Glass 250ml/8oz unpreserved	B	NA		3.4	Y	Absent		TCN-9010(14),NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30)
L2047884-07A	Vial MeOH preserved	B	NA		3.4	Y	Absent		NYTCL-8260HLW(14)
L2047884-07B	Vial water preserved	B	NA		3.4	Y	Absent	03-NOV-20 06:48	NYTCL-8260HLW(14)
L2047884-07C	Vial water preserved	B	NA		3.4	Y	Absent	03-NOV-20 06:48	NYTCL-8260HLW(14)
L2047884-07D	Plastic 2oz unpreserved for TS	B	NA		3.4	Y	Absent		TS(7)
L2047884-07D1	Plastic 2oz unpreserved for TS	A	NA		3.1	Y	Absent		TS(7)

Project Name: 266-270 W. 96TH ST

Lab Number: L2047884

Project Number: 170432001

Report Date: 11/16/20

**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2047884-07E	Metals Only-Glass 60mL/2oz unpreserved	B	NA		3.4	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),NI-TI(180),AL-TI(180),TL-TI(180),CR-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CU-TI(180),CO-TI(180),V-TI(180),MG-TI(180),FE-TI(180),HG-T(28),MN-TI(180),NA-TI(180),CA-TI(180),CD-TI(180),K-TI(180)
L2047884-07F	Glass 120ml/4oz unpreserved	B	NA		3.4	Y	Absent		TCN-9010(14),NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30)
L2047884-07G	Plastic 8oz unpreserved	A	NA		3.1	Y	Absent		A2-NY-537-ISOTOPE(14)
L2047884-07H	Glass 250ml/8oz unpreserved	B	NA		3.4	Y	Absent		TCN-9010(14),NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30)
L2047884-08A	Vial HCl preserved	B	NA		3.4	Y	Absent		NYTCL-8260(14)
L2047884-08B	Vial HCl preserved	B	NA		3.4	Y	Absent		NYTCL-8260(14)
L2047884-09A	Plastic 250ml unpreserved	A	NA		3.1	Y	Absent		A2-NY-537-ISOTOPE(14)
L2047884-10A	Vial HCl preserved	B	NA		3.4	Y	Absent		NYTCL-8260(14)
L2047884-10B	Vial HCl preserved	B	NA		3.4	Y	Absent		NYTCL-8260(14)
L2047884-10C	Vial HCl preserved	B	NA		3.4	Y	Absent		NYTCL-8260(14)
L2047884-10D	Plastic 250ml unpreserved	A	NA		3.1	Y	Absent		A2-NY-537-ISOTOPE(14)
L2047884-10E	Plastic 250ml HNO3 preserved	B	<2	<2	3.4	Y	Absent		BA-6020T(180),TL-6020T(180),FE-6020T(180),SE-6020T(180),CA-6020T(180),CR-6020T(180),NI-6020T(180),K-6020T(180),NA-6020T(180),CU-6020T(180),ZN-6020T(180),PB-6020T(180),MN-6020T(180),BE-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),HG-T(28),MG-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),CO-6020T(180)
L2047884-10F	Plastic 250ml NaOH preserved	B	>12	>12	3.4	Y	Absent		TCN-9010(14)
L2047884-10G	Plastic 500ml unpreserved	B	7	7	3.4	Y	Absent		HEXCR-7196(1)
L2047884-10H	Amber 120ml unpreserved	B	7	7	3.4	Y	Absent		NYTCL-8082-LVI(7)
L2047884-10I	Amber 120ml unpreserved	B	7	7	3.4	Y	Absent		NYTCL-8082-LVI(7)
L2047884-10J	Amber 120ml unpreserved	B	7	7	3.4	Y	Absent		NYTCL-8081(7)
L2047884-10K	Amber 120ml unpreserved	B	7	7	3.4	Y	Absent		NYTCL-8081(7)
L2047884-10L	Amber 250ml unpreserved	B	7	7	3.4	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2047884-10M	Amber 250ml unpreserved	B	7	7	3.4	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2047884-10N	Amber 250ml unpreserved	B	7	7	3.4	Y	Absent		A2-1,4-DIOXANE-SIM(7)

**Project Name:** 266-270 W. 96TH ST

**Project Number:** 170432001

Serial\_No:11162015:27

**Lab Number:** L2047884

**Report Date:** 11/16/20

**Container Information**

<b>Container ID</b>	<b>Container Type</b>	<b>Cooler</b>	<b>Initial pH</b>	<b>Final pH</b>	<b>Temp deg C</b>	<b>Pres</b>	<b>Seal</b>	<b>Frozen Date/Time</b>	<b>Analysis(*)</b>
L2047884-100	Amber 250ml unpreserved	B	7	7	3.4	Y	Absent		A2-1,4-DIOXANE-SIM(7)

**Project Name:** 266-270 W. 96TH ST  
**Project Number:** 170432001

Serial\_No:11162015:27  
**Lab Number:** L2047884  
**Report Date:** 11/16/20

### PFAS PARAMETER SUMMARY

Parameter	Acronym	CAS Number
<b>PERFLUOROALKYL CARBOXYLIC ACIDS (PFCAs)</b>		
Perfluorooctadecanoic Acid	PFODA	16517-11-6
Perfluorohexadecanoic Acid	PFHxDA	67905-19-5
Perfluorotetradecanoic Acid	PFTA	376-06-7
Perfluorotridecanoic Acid	PFTrDA	72629-94-8
Perfluorododecanoic Acid	PFDoA	307-55-1
Perfluoroundecanoic Acid	PFUnA	2058-94-8
Perfluorodecanoic Acid	PFDA	335-76-2
Perfluorononanoic Acid	PFNA	375-95-1
Perfluorooctanoic Acid	PFOA	335-67-1
Perfluoroheptanoic Acid	PFHpA	375-85-9
Perfluorohexanoic Acid	PFHxA	307-24-4
Perfluoropentanoic Acid	PFPeA	2706-90-3
Perfluorobutanoic Acid	PFBA	375-22-4
<b>PERFLUOROALKYL SULFONIC ACIDS (PFSAs)</b>		
Perfluorododecanesulfonic Acid	PFDoDS	79780-39-5
Perfluorodecanesulfonic Acid	PFDS	335-77-3
Perfluorononanesulfonic Acid	PFNS	68259-12-1
Perfluorooctanesulfonic Acid	PFOS	1763-23-1
Perfluoroheptanesulfonic Acid	PFHpS	375-92-8
Perfluorohexanesulfonic Acid	PFHxS	355-46-4
Perfluoropentanesulfonic Acid	PFPeS	2706-91-4
Perfluorobutanesulfonic Acid	PFBS	375-73-5
<b>FLUOROTELOMERS</b>		
1H,1H,2H,2H-Perfluorododecanesulfonic Acid	10:2FTS	120226-60-0
1H,1H,2H,2H-Perfluorodecanesulfonic Acid	8:2FTS	39108-34-4
1H,1H,2H,2H-Perfluorooctanesulfonic Acid	6:2FTS	27619-97-2
1H,1H,2H,2H-Perfluorohexanesulfonic Acid	4:2FTS	757124-72-4
<b>PERFLUOROALKANE SULFONAMIDES (FASAs)</b>		
Perfluorooctanesulfonamide	FOSA	754-91-6
N-Ethyl Perfluorooctane Sulfonamide	NEtFOSA	4151-50-2
N-Methyl Perfluorooctane Sulfonamide	NMeFOSA	31506-32-8
<b>PERFLUOROALKANE SULFONYL SUBSTANCES</b>		
N-Ethyl Perfluorooctanesulfonamido Ethanol	NEtFOSE	1691-99-2
N-Methyl Perfluorooctanesulfonamido Ethanol	NMeFOSE	24448-09-7
N-Ethyl Perfluorooctanesulfonamidoacetic Acid	NEtFOSAA	2991-50-6
N-Methyl Perfluorooctanesulfonamidoacetic Acid	NMeFOSAA	2355-31-9
<b>PER- and POLYFLUOROALKYL ETHER CARBOXYLIC ACIDS</b>		
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid	HFPO-DA	13252-13-6
4,8-Dioxa-3h-Perfluorononanoic Acid	ADONA	919005-14-4
<b>CHLORO-PERFLUOROALKYL SULFONIC ACIDS</b>		
11-Chloroeicosafuoro-3-Oxaundecane-1-Sulfonic Acid	11Cl-PF3OUdS	763051-92-9
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid	9Cl-PF3ONS	756426-58-1
<b>PERFLUOROETHER SULFONIC ACIDS (PFESAs)</b>		
Perfluoro(2-Ethoxyethane)Sulfonic Acid	PFEEESA	113507-82-7
<b>PERFLUOROETHER/POLYETHER CARBOXYLIC ACIDS (PFPCAs)</b>		
Perfluoro-3-Methoxypropanoic Acid	PFMPA	377-73-1
Perfluoro-4-Methoxybutanoic Acid	PFMBA	863090-89-5
Nonafluoro-3,6-Dioxaheptanoic Acid	NFDHA	151772-58-6



**Project Name:** 266-270 W. 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047884  
**Report Date:** 11/16/20

## GLOSSARY

### Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)  Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers



**Project Name:** 266-270 W. 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047884  
**Report Date:** 11/16/20

#### Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

#### Terms

**Analytical Method:** Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

**Difference:** With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

**Final pH:** As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

**Frozen Date/Time:** With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

**Initial pH:** As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

**PAH Total:** With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benzo(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

**PFAS Total:** With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

**Total:** With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

#### Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where

Report Format: DU Report with 'J' Qualifiers



**Project Name:** 266-270 W. 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047884  
**Report Date:** 11/16/20

**Data Qualifiers**

the identification is based on a mass spectral library search.

- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.

Report Format: DU Report with 'J' Qualifiers

---



**Project Name:** 266-270 W. 96TH ST  
**Project Number:** 170432001

**Lab Number:** L2047884  
**Report Date:** 11/16/20

## REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.
- 107 Alpha Analytical - In-house calculation method.
- 121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.
- 134 Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry (LC/MS/MS) using Isotope Dilution. Alpha SOP 23528.

## LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



## Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

### Westborough Facility

**EPA 624/624.1:** m/p-xylene, o-xylene, Naphthalene

**EPA 8260C:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.

**EPA 8270D:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.

**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO<sub>2</sub>, NO<sub>3</sub>.

### Mansfield Facility

**SM 2540D:** TSS

**EPA 8082A:** NPW: PCB: 1, 5, 31, 87, 101, 110, 141, 151, 153, 180, 183, 187.

**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

**EPA TO-12** Non-methane organics

**EPA 3C** Fixed gases

**Biological Tissue Matrix:** EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

### Westborough Facility:

#### Drinking Water

**EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,**

**EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**

**EPA 332:** Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.

**Microbiology: SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.**

#### Non-Potable Water

**SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:**

Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E,**

**SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.

**EPA 624.1:** Volatile Halocarbons & Aromatics,

**EPA 608.3:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II,

Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

**EPA 625.1:** SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.

**Microbiology: SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.**

### Mansfield Facility:

#### Drinking Water

**EPA 200.7:** Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.

**EPA 522.**

#### Non-Potable Water

**EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.


**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.

**EPA 245.1** Hg.

**SM2340B**

For a complete listing of analytes and methods, please contact your Alpha Project Manager.



	<b>NEW YORK CHAIN OF CUSTODY</b>	<b>Service Centers</b> Mahwah, NJ 07430: 35 Whitney Rd, Suite 5 Albany, NY 12205: 14 Walker Way Tonawanda, NY 14150: 275 Cooper Ave, Suite 105	Page	Date Rec'd in Lab	ALPHA Job #		
			1 of 1	11/3/20	20047884		
Westborough, MA 01581 8 Walkup Dr. TEL: 508-898-9220 FAX: 508-898-9193	Mansfield, MA 02048 320 Forbes Blvd TEL: 508-822-9300 FAX: 508-822-3288	<b>Project Information</b> Project Name: 266-270 W 96th St Project Location: NY, NY Project # 1704 32001		<b>Deliverables</b> <input type="checkbox"/> ASP-A <input checked="" type="checkbox"/> ASP-B <input type="checkbox"/> EQUIS (1 File) <input type="checkbox"/> EQUIS (4 File) <input type="checkbox"/> Other			
<b>Client Information</b> Client: LANGAN/DPC Address: Phone: Fax: Email: kermen@langan.com		(Use Project name as Project #) <input type="checkbox"/> Project Manager: KIMBERLY SEMAN ALPHAQuote #: Turn-Around Time Standard <input checked="" type="checkbox"/> Rush (only if pre approved) <input type="checkbox"/> Due Date:    # of Days:		<b>Regulatory Requirement</b> <input type="checkbox"/> NY TOGS <input checked="" type="checkbox"/> NY Part 375 <input type="checkbox"/> AWQ Standards <input type="checkbox"/> NY CP-51 <input type="checkbox"/> NY Restricted Use <input checked="" type="checkbox"/> Other <input type="checkbox"/> NY Unrestricted Use <b>TCL</b> <input type="checkbox"/> NYC Sewer Discharge			
These samples have been previously analyzed by Alpha <input type="checkbox"/>		<b>Other project specific requirements/comments:</b> email jyanowitz@langan.com		<b>Disposal Site Information</b> Please identify below location of applicable disposal facilities. Disposal Facility: <input type="checkbox"/> NJ <input type="checkbox"/> NY <input type="checkbox"/> Other:			
<b>ANALYSIS</b>		<b>Sample Filtration</b> <input type="checkbox"/> Done <input type="checkbox"/> Lab to do <input type="checkbox"/> Lab to do (Please Specify below)		Total Bottles			
ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time			Sample Matrix	Sampler's Initials
47884-01	SB12-0-1	11/02/20	0930			-	
-02	SB12-3.5-5		0910				
-03	SB12-11-12.5		1000				
-04	SB13-0-1.5		1256				
-05	SB13-4-6		1315				
-06	SB13-7.5-9		1330				
-07	SB DUP 01-11022020						
-08	SB TB 03-11022020		1045				
-09	SB EB 03-11022020		1130				
-10	SB FBal 11022020		1430				
Preservative Code: A = None B = HCl C = HNO <sub>3</sub> D = H <sub>2</sub> SO <sub>4</sub> E = NaOH F = MeOH G = NaHSO <sub>4</sub> H = Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> K/E = Zn Ac/NaOH O = Other		Container Code: P = Plastic A = Amber Glass V = Vial G = Glass B = Bacteria Cup C = Cube O = Other E = Encore D = BOD Bottle		Westboro: Certification No: MA935 Mansfield: Certification No: MA015			
Relinquished By:		Date/Time		Received By:		Date/Time	
[Signature]		11/2/20 1515		[Signature]		11/2/20 1515	
[Signature]		11/2/20 1800		[Signature]		11/2/20 1800	
[Signature]		11/3/20 0045		[Signature]		11/3/20 0045	

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)



## ANALYTICAL REPORT

Lab Number:	L2048123
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Kimberly Semon
Phone:	(212) 479-5486
Project Name:	266-270 WEST 96TH STREET
Project Number:	170432001
Report Date:	11/09/20

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

---

Eight Walkup Drive, Westborough, MA 01581-1019  
508-898-9220 (Fax) 508-898-9193 800-624-9220 - [www.alphalab.com](http://www.alphalab.com)



**Project Name:** 266-270 WEST 96TH STREET**Project Number:** 170432001**Lab Number:** L2048123**Report Date:** 11/09/20

<b>Alpha Sample ID</b>	<b>Client ID</b>	<b>Matrix</b>	<b>Sample Location</b>	<b>Collection Date/Time</b>	<b>Receive Date</b>
L2048123-01	SB18_0-1.5	SOIL	NEW YORK, NY	11/03/20 13:10	11/03/20
L2048123-02	SB18_7-8	SOIL	NEW YORK, NY	11/03/20 12:45	11/03/20
L2048123-03	SB18_8-9	SOIL	NEW YORK, NY	11/03/20 13:00	11/03/20
L2048123-04	SB19_4-5	SOIL	NEW YORK, NY	11/03/20 08:30	11/03/20
L2048123-05	SB19_5-6	SOIL	NEW YORK, NY	11/03/20 08:00	11/03/20
L2048123-06	SB19_7-8	SOIL	NEW YORK, NY	11/03/20 08:15	11/03/20
L2048123-07	SB20_1.5-2.5	SOIL	NEW YORK, NY	11/03/20 10:00	11/03/20
L2048123-08	SB20_2.5-5	SOIL	NEW YORK, NY	11/03/20 10:15	11/03/20
L2048123-09	SB20_5.5-6	SOIL	NEW YORK, NY	11/03/20 10:30	11/03/20
L2048123-10	SB21_1-2	SOIL	NEW YORK, NY	11/03/20 11:50	11/03/20
L2048123-11	SB21_4.5-5.5	SOIL	NEW YORK, NY	11/03/20 11:15	11/03/20
L2048123-12	SB21_7-8	SOIL	NEW YORK, NY	11/03/20 11:45	11/03/20



**Project Name:** 266-270 WEST 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2048123  
**Report Date:** 11/09/20

### Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

**HOLD POLICY** - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

---

**Project Name:** 266-270 WEST 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2048123  
**Report Date:** 11/09/20

### Case Narrative (continued)

#### Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

#### Sample Receipt

L2048123-10 and -11: The container for the NYTCL Semivolatiles - EPA 8270D and Total Solids - SM 2540 analyses was received damaged (cap cracked, sample intact); however, there was adequate sample remaining to perform the requested analysis.

#### Semivolatile Organics


L2048123-02, -05, -08: The surrogate recoveries are below the acceptance criteria for 2-fluorophenol (0%), phenol-d6 (0%), nitrobenzene-d5 (0%), 2-fluorobiphenyl (0%), 2,4,6-tribromophenol (0%), and 4-terphenyl-d14 (0%) due to the dilution required to quantitate the sample. Re-extraction was not required; therefore, the results of the original analysis are reported.

L2048123-04: The surrogate recoveries were outside the acceptance criteria for 2-fluorophenol (4%) and 2,4,6-tribromophenol (2%); however, re-extraction achieved similar results: 2-fluorophenol (5%) and 2,4,6-tribromophenol (1%). The results of both extractions are reported.

L2048123-05: The sample has elevated detection limits due to the dilution required by the sample matrix.

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. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:

 Michelle M. Morris

Title: Technical Director/Representative

Date: 11/09/20

# ORGANICS

# SEMIVOLATILES

**Project Name:** 266-270 WEST 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2048123  
**Report Date:** 11/09/20

**SAMPLE RESULTS**

**Lab ID:** L2048123-01  
**Client ID:** SB18\_0-1.5  
**Sample Location:** NEW YORK, NY

**Date Collected:** 11/03/20 13:10  
**Date Received:** 11/03/20  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8270D  
**Analytical Date:** 11/06/20 01:18  
**Analyst:** IM  
**Percent Solids:** 88%

**Extraction Method:** EPA 3546  
**Extraction Date:** 11/04/20 17:24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Acenaphthene	ND		ug/kg	150	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	21.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	25.	1
2-Chloronaphthalene	ND		ug/kg	190	18.	1
1,2-Dichlorobenzene	ND		ug/kg	190	34.	1
1,3-Dichlorobenzene	ND		ug/kg	190	32.	1
1,4-Dichlorobenzene	ND		ug/kg	190	33.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	50.	1
2,4-Dinitrotoluene	ND		ug/kg	190	37.	1
2,6-Dinitrotoluene	ND		ug/kg	190	32.	1
Fluoranthene	62	J	ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	32.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	19.	1
Hexachlorobutadiene	ND		ug/kg	190	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	530	170	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	170	24.	1
Naphthalene	ND		ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	29.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	65.	1
Butyl benzyl phthalate	ND		ug/kg	190	47.	1
Di-n-butylphthalate	ND		ug/kg	190	35.	1
Di-n-octylphthalate	ND		ug/kg	190	64.	1

Project Name: 266-270 WEST 96TH STREET

Lab Number: L2048123

Project Number: 170432001

Report Date: 11/09/20

## SAMPLE RESULTS

Lab ID: L2048123-01  
 Client ID: SB18\_0-1.5  
 Sample Location: NEW YORK, NY

Date Collected: 11/03/20 13:10  
 Date Received: 11/03/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	190	17.	1
Dimethyl phthalate	ND		ug/kg	190	39.	1
Benzo(a)anthracene	38	J	ug/kg	110	21.	1
Benzo(a)pyrene	ND		ug/kg	150	46.	1
Benzo(b)fluoranthene	39	J	ug/kg	110	31.	1
Benzo(k)fluoranthene	ND		ug/kg	110	30.	1
Chrysene	31	J	ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	150	29.	1
Anthracene	ND		ug/kg	110	36.	1
Benzo(ghi)perylene	23	J	ug/kg	150	22.	1
Fluorene	ND		ug/kg	190	18.	1
Phenanthrene	37	J	ug/kg	110	23.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	26.	1
Pyrene	59	J	ug/kg	110	18.	1
Biphenyl	ND		ug/kg	430	43.	1
4-Chloroaniline	ND		ug/kg	190	34.	1
2-Nitroaniline	ND		ug/kg	190	36.	1
3-Nitroaniline	ND		ug/kg	190	35.	1
4-Nitroaniline	ND		ug/kg	190	77.	1
Dibenzofuran	ND		ug/kg	190	18.	1
2-Methylnaphthalene	ND		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
p-Chloro-m-cresol	ND		ug/kg	190	28.	1
2-Chlorophenol	ND		ug/kg	190	22.	1
2,4-Dichlorophenol	ND		ug/kg	170	30.	1
2,4-Dimethylphenol	ND		ug/kg	190	62.	1
2-Nitrophenol	ND		ug/kg	400	70.	1
4-Nitrophenol	ND		ug/kg	260	76.	1
2,4-Dinitrophenol	ND		ug/kg	900	87.	1
4,6-Dinitro-o-cresol	ND		ug/kg	480	90.	1
Pentachlorophenol	ND		ug/kg	150	41.	1
Phenol	ND		ug/kg	190	28.	1
2-Methylphenol	ND		ug/kg	190	29.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	29.	1

**Project Name:** 266-270 WEST 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2048123  
**Report Date:** 11/09/20

**SAMPLE RESULTS**

Lab ID: L2048123-01  
 Client ID: SB18\_0-1.5  
 Sample Location: NEW YORK, NY

Date Collected: 11/03/20 13:10  
 Date Received: 11/03/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
2,4,5-Trichlorophenol	ND		ug/kg	190	36.	1
Benzoic Acid	ND		ug/kg	600	190	1
Benzyl Alcohol	ND		ug/kg	190	57.	1
Carbazole	ND		ug/kg	190	18.	1
1,4-Dioxane	ND		ug/kg	28	8.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	70		25-120
Phenol-d6	66		10-120
Nitrobenzene-d5	61		23-120
2-Fluorobiphenyl	72		30-120
2,4,6-Tribromophenol	88		10-136
4-Terphenyl-d14	69		18-120

**Project Name:** 266-270 WEST 96TH STREET**Lab Number:** L2048123**Project Number:** 170432001**Report Date:** 11/09/20**SAMPLE RESULTS**

Lab ID: L2048123-02 D  
 Client ID: SB18\_7-8  
 Sample Location: NEW YORK, NY

Date Collected: 11/03/20 12:45  
 Date Received: 11/03/20  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270D  
 Analytical Date: 11/09/20 11:50  
 Analyst: WR  
 Percent Solids: 84%

Extraction Method: EPA 3546  
 Extraction Date: 11/04/20 17:24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Acenaphthene	7300	J	ug/kg	7700	1000	50
1,2,4-Trichlorobenzene	ND		ug/kg	9700	1100	50
Hexachlorobenzene	ND		ug/kg	5800	1100	50
Bis(2-chloroethyl)ether	ND		ug/kg	8700	1300	50
2-Chloronaphthalene	ND		ug/kg	9700	960	50
1,2-Dichlorobenzene	ND		ug/kg	9700	1700	50
1,3-Dichlorobenzene	ND		ug/kg	9700	1700	50
1,4-Dichlorobenzene	ND		ug/kg	9700	1700	50
3,3'-Dichlorobenzidine	ND		ug/kg	9700	2600	50
2,4-Dinitrotoluene	ND		ug/kg	9700	1900	50
2,6-Dinitrotoluene	ND		ug/kg	9700	1700	50
Fluoranthene	270000		ug/kg	5800	1100	50
4-Chlorophenyl phenyl ether	ND		ug/kg	9700	1000	50
4-Bromophenyl phenyl ether	ND		ug/kg	9700	1500	50
Bis(2-chloroisopropyl)ether	ND		ug/kg	12000	1600	50
Bis(2-chloroethoxy)methane	ND		ug/kg	10000	970	50
Hexachlorobutadiene	ND		ug/kg	9700	1400	50
Hexachlorocyclopentadiene	ND		ug/kg	28000	8800	50
Hexachloroethane	ND		ug/kg	7700	1600	50
Isophorone	ND		ug/kg	8700	1200	50
Naphthalene	5600	J	ug/kg	9700	1200	50
Nitrobenzene	ND		ug/kg	8700	1400	50
NDPA/DPA	ND		ug/kg	7700	1100	50
n-Nitrosodi-n-propylamine	ND		ug/kg	9700	1500	50
Bis(2-ethylhexyl)phthalate	ND		ug/kg	9700	3300	50
Butyl benzyl phthalate	ND		ug/kg	9700	2400	50
Di-n-butylphthalate	ND		ug/kg	9700	1800	50
Di-n-octylphthalate	ND		ug/kg	9700	3300	50



**Project Name:** 266-270 WEST 96TH STREET**Lab Number:** L2048123**Project Number:** 170432001**Report Date:** 11/09/20**SAMPLE RESULTS**

Lab ID: L2048123-02 D

Date Collected: 11/03/20 12:45

Client ID: SB18\_7-8

Date Received: 11/03/20

Sample Location: NEW YORK, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Diethyl phthalate	ND		ug/kg	9700	900	50
Dimethyl phthalate	ND		ug/kg	9700	2000	50
Benzo(a)anthracene	120000		ug/kg	5800	1100	50
Benzo(a)pyrene	110000		ug/kg	7700	2400	50
Benzo(b)fluoranthene	140000		ug/kg	5800	1600	50
Benzo(k)fluoranthene	42000		ug/kg	5800	1500	50
Chrysene	120000		ug/kg	5800	1000	50
Acenaphthylene	27000		ug/kg	7700	1500	50
Anthracene	29000		ug/kg	5800	1900	50
Benzo(ghi)perylene	60000		ug/kg	7700	1100	50
Fluorene	9300	J	ug/kg	9700	940	50
Phenanthrene	210000		ug/kg	5800	1200	50
Dibenzo(a,h)anthracene	17000		ug/kg	5800	1100	50
Indeno(1,2,3-cd)pyrene	65000		ug/kg	7700	1300	50
Pyrene	250000		ug/kg	5800	960	50
Biphenyl	ND		ug/kg	22000	2200	50
4-Chloroaniline	ND		ug/kg	9700	1800	50
2-Nitroaniline	ND		ug/kg	9700	1900	50
3-Nitroaniline	ND		ug/kg	9700	1800	50
4-Nitroaniline	ND		ug/kg	9700	4000	50
Dibenzofuran	18000		ug/kg	9700	920	50
2-Methylnaphthalene	5500	J	ug/kg	12000	1200	50
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	9700	1000	50
Acetophenone	ND		ug/kg	9700	1200	50
2,4,6-Trichlorophenol	ND		ug/kg	5800	1800	50
p-Chloro-m-cresol	ND		ug/kg	9700	1400	50
2-Chlorophenol	ND		ug/kg	9700	1100	50
2,4-Dichlorophenol	ND		ug/kg	8700	1600	50
2,4-Dimethylphenol	ND		ug/kg	9700	3200	50
2-Nitrophenol	ND		ug/kg	21000	3600	50
4-Nitrophenol	ND		ug/kg	14000	3900	50
2,4-Dinitrophenol	ND		ug/kg	46000	4500	50
4,6-Dinitro-o-cresol	ND		ug/kg	25000	4600	50
Pentachlorophenol	ND		ug/kg	7700	2100	50
Phenol	ND		ug/kg	9700	1500	50
2-Methylphenol	ND		ug/kg	9700	1500	50
3-Methylphenol/4-Methylphenol	2200	J	ug/kg	14000	1500	50

**Project Name:** 266-270 WEST 96TH STREET**Lab Number:** L2048123**Project Number:** 170432001**Report Date:** 11/09/20**SAMPLE RESULTS**

Lab ID: L2048123-02 D

Date Collected: 11/03/20 12:45

Client ID: SB18\_7-8

Date Received: 11/03/20

Sample Location: NEW YORK, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	9700	1800	50
Benzoic Acid	ND		ug/kg	31000	9800	50
Benzyl Alcohol	ND		ug/kg	9700	3000	50
Carbazole	9800		ug/kg	9700	940	50
1,4-Dioxane	ND		ug/kg	1400	440	50

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	0	Q	25-120
Phenol-d6	0	Q	10-120
Nitrobenzene-d5	0	Q	23-120
2-Fluorobiphenyl	0	Q	30-120
2,4,6-Tribromophenol	0	Q	10-136
4-Terphenyl-d14	0	Q	18-120

**Project Name:** 266-270 WEST 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2048123  
**Report Date:** 11/09/20

**SAMPLE RESULTS**

Lab ID: L2048123-03  
 Client ID: SB18\_8-9  
 Sample Location: NEW YORK, NY

Date Collected: 11/03/20 13:00  
 Date Received: 11/03/20  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270D  
 Analytical Date: 11/06/20 01:40  
 Analyst: IM  
 Percent Solids: 87%

Extraction Method: EPA 3546  
 Extraction Date: 11/04/20 17:24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Acenaphthene	ND		ug/kg	150	20.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	22.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	26.	1
2-Chloronaphthalene	ND		ug/kg	190	19.	1
1,2-Dichlorobenzene	ND		ug/kg	190	34.	1
1,3-Dichlorobenzene	ND		ug/kg	190	33.	1
1,4-Dichlorobenzene	ND		ug/kg	190	33.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	51.	1
2,4-Dinitrotoluene	ND		ug/kg	190	38.	1
2,6-Dinitrotoluene	ND		ug/kg	190	33.	1
Fluoranthene	140		ug/kg	110	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	29.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	33.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	19.	1
Hexachlorobutadiene	ND		ug/kg	190	28.	1
Hexachlorocyclopentadiene	ND		ug/kg	550	170	1
Hexachloroethane	ND		ug/kg	150	31.	1
Isophorone	ND		ug/kg	170	25.	1
Naphthalene	ND		ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	30.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	66.	1
Butyl benzyl phthalate	ND		ug/kg	190	48.	1
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	65.	1

Project Name: 266-270 WEST 96TH STREET

Lab Number: L2048123

Project Number: 170432001

Report Date: 11/09/20

## SAMPLE RESULTS

Lab ID: L2048123-03  
 Client ID: SB18\_8-9  
 Sample Location: NEW YORK, NY

Date Collected: 11/03/20 13:00  
 Date Received: 11/03/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	190	18.	1
Dimethyl phthalate	ND		ug/kg	190	40.	1
Benzo(a)anthracene	79	J	ug/kg	110	22.	1
Benzo(a)pyrene	76	J	ug/kg	150	47.	1
Benzo(b)fluoranthene	83	J	ug/kg	110	32.	1
Benzo(k)fluoranthene	38	J	ug/kg	110	30.	1
Chrysene	69	J	ug/kg	110	20.	1
Acenaphthylene	ND		ug/kg	150	30.	1
Anthracene	ND		ug/kg	110	37.	1
Benzo(ghi)perylene	46	J	ug/kg	150	22.	1
Fluorene	ND		ug/kg	190	18.	1
Phenanthrene	60	J	ug/kg	110	23.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	44	J	ug/kg	150	27.	1
Pyrene	130		ug/kg	110	19.	1
Biphenyl	ND		ug/kg	440	44.	1
4-Chloroaniline	ND		ug/kg	190	35.	1
2-Nitroaniline	ND		ug/kg	190	37.	1
3-Nitroaniline	ND		ug/kg	190	36.	1
4-Nitroaniline	ND		ug/kg	190	79.	1
Dibenzofuran	ND		ug/kg	190	18.	1
2-Methylnaphthalene	ND		ug/kg	230	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	24.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	36.	1
p-Chloro-m-cresol	ND		ug/kg	190	28.	1
2-Chlorophenol	ND		ug/kg	190	22.	1
2,4-Dichlorophenol	ND		ug/kg	170	31.	1
2,4-Dimethylphenol	ND		ug/kg	190	63.	1
2-Nitrophenol	ND		ug/kg	410	72.	1
4-Nitrophenol	ND		ug/kg	270	78.	1
2,4-Dinitrophenol	ND		ug/kg	920	89.	1
4,6-Dinitro-o-cresol	ND		ug/kg	500	92.	1
Pentachlorophenol	ND		ug/kg	150	42.	1
Phenol	ND		ug/kg	190	29.	1
2-Methylphenol	ND		ug/kg	190	30.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	30.	1

**Project Name:** 266-270 WEST 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2048123  
**Report Date:** 11/09/20

**SAMPLE RESULTS**

Lab ID: L2048123-03  
 Client ID: SB18\_8-9  
 Sample Location: NEW YORK, NY

Date Collected: 11/03/20 13:00  
 Date Received: 11/03/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	190	37.	1
Benzoic Acid	ND		ug/kg	620	190	1
Benzyl Alcohol	ND		ug/kg	190	58.	1
Carbazole	ND		ug/kg	190	18.	1
1,4-Dioxane	ND		ug/kg	29	8.8	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	66		25-120
Phenol-d6	63		10-120
Nitrobenzene-d5	59		23-120
2-Fluorobiphenyl	69		30-120
2,4,6-Tribromophenol	89		10-136
4-Terphenyl-d14	76		18-120

**Project Name:** 266-270 WEST 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2048123  
**Report Date:** 11/09/20

**SAMPLE RESULTS**

Lab ID: L2048123-04  
 Client ID: SB19\_4-5  
 Sample Location: NEW YORK, NY

Date Collected: 11/03/20 08:30  
 Date Received: 11/03/20  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270D  
 Analytical Date: 11/06/20 04:02  
 Analyst: IM  
 Percent Solids: 78%

Extraction Method: EPA 3546  
 Extraction Date: 11/04/20 17:24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Acenaphthene	180		ug/kg	170	22.	1
1,2,4-Trichlorobenzene	ND		ug/kg	210	24.	1
Hexachlorobenzene	ND		ug/kg	120	23.	1
Bis(2-chloroethyl)ether	ND		ug/kg	190	28.	1
2-Chloronaphthalene	ND		ug/kg	210	21.	1
1,2-Dichlorobenzene	ND		ug/kg	210	38.	1
1,3-Dichlorobenzene	ND		ug/kg	210	36.	1
1,4-Dichlorobenzene	ND		ug/kg	210	36.	1
3,3'-Dichlorobenzidine	ND		ug/kg	210	56.	1
2,4-Dinitrotoluene	ND		ug/kg	210	42.	1
2,6-Dinitrotoluene	ND		ug/kg	210	36.	1
Fluoranthene	2800		ug/kg	120	24.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	210	22.	1
4-Bromophenyl phenyl ether	ND		ug/kg	210	32.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	250	36.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	21.	1
Hexachlorobutadiene	ND		ug/kg	210	31.	1
Hexachlorocyclopentadiene	ND		ug/kg	600	190	1
Hexachloroethane	ND		ug/kg	170	34.	1
Isophorone	ND		ug/kg	190	27.	1
Naphthalene	38	J	ug/kg	210	25.	1
Nitrobenzene	ND		ug/kg	190	31.	1
NDPA/DPA	ND		ug/kg	170	24.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	210	32.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	210	72.	1
Butyl benzyl phthalate	ND		ug/kg	210	53.	1
Di-n-butylphthalate	ND		ug/kg	210	40.	1
Di-n-octylphthalate	ND		ug/kg	210	71.	1

Project Name: 266-270 WEST 96TH STREET

Lab Number: L2048123

Project Number: 170432001

Report Date: 11/09/20

## SAMPLE RESULTS

Lab ID: L2048123-04  
 Client ID: SB19\_4-5  
 Sample Location: NEW YORK, NY

Date Collected: 11/03/20 08:30  
 Date Received: 11/03/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	210	19.	1
Dimethyl phthalate	ND		ug/kg	210	44.	1
Benzo(a)anthracene	1700		ug/kg	120	24.	1
Benzo(a)pyrene	1400		ug/kg	170	51.	1
Benzo(b)fluoranthene	1700		ug/kg	120	35.	1
Benzo(k)fluoranthene	460		ug/kg	120	33.	1
Chrysene	1400		ug/kg	120	22.	1
Acenaphthylene	110	J	ug/kg	170	32.	1
Anthracene	420		ug/kg	120	41.	1
Benzo(ghi)perylene	910		ug/kg	170	24.	1
Fluorene	120	J	ug/kg	210	20.	1
Phenanthrene	2200		ug/kg	120	25.	1
Dibenzo(a,h)anthracene	160		ug/kg	120	24.	1
Indeno(1,2,3-cd)pyrene	850		ug/kg	170	29.	1
Pyrene	3200		ug/kg	120	21.	1
Biphenyl	ND		ug/kg	480	48.	1
4-Chloroaniline	ND		ug/kg	210	38.	1
2-Nitroaniline	ND		ug/kg	210	40.	1
3-Nitroaniline	ND		ug/kg	210	39.	1
4-Nitroaniline	ND		ug/kg	210	86.	1
Dibenzofuran	37	J	ug/kg	210	20.	1
2-Methylnaphthalene	ND		ug/kg	250	25.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	210	22.	1
Acetophenone	ND		ug/kg	210	26.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	40.	1
p-Chloro-m-cresol	ND		ug/kg	210	31.	1
2-Chlorophenol	ND		ug/kg	210	25.	1
2,4-Dichlorophenol	ND		ug/kg	190	34.	1
2,4-Dimethylphenol	ND		ug/kg	210	69.	1
2-Nitrophenol	ND		ug/kg	450	79.	1
4-Nitrophenol	ND		ug/kg	290	85.	1
2,4-Dinitrophenol	ND		ug/kg	1000	97.	1
4,6-Dinitro-o-cresol	ND		ug/kg	540	100	1
Pentachlorophenol	ND		ug/kg	170	46.	1
Phenol	ND		ug/kg	210	32.	1
2-Methylphenol	ND		ug/kg	210	32.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	300	33.	1

**Project Name:** 266-270 WEST 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2048123  
**Report Date:** 11/09/20

**SAMPLE RESULTS**

Lab ID: L2048123-04  
 Client ID: SB19\_4-5  
 Sample Location: NEW YORK, NY

Date Collected: 11/03/20 08:30  
 Date Received: 11/03/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	210	40.	1
Benzoic Acid	ND		ug/kg	680	210	1
Benzyl Alcohol	ND		ug/kg	210	64.	1
Carbazole	88	J	ug/kg	210	20.	1
1,4-Dioxane	ND		ug/kg	31	9.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	4	Q	25-120
Phenol-d6	23		10-120
Nitrobenzene-d5	60		23-120
2-Fluorobiphenyl	67		30-120
2,4,6-Tribromophenol	2	Q	10-136
4-Terphenyl-d14	60		18-120



**Project Name:** 266-270 WEST 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2048123  
**Report Date:** 11/09/20

**SAMPLE RESULTS**

Lab ID: L2048123-04 RE  
 Client ID: SB19\_4-5  
 Sample Location: NEW YORK, NY

Date Collected: 11/03/20 08:30  
 Date Received: 11/03/20  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270D  
 Analytical Date: 11/07/20 06:05  
 Analyst: EK  
 Percent Solids: 78%

Extraction Method: EPA 3546  
 Extraction Date: 11/06/20 12:48

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Acenaphthene	240		ug/kg	160	21.	1
1,2,4-Trichlorobenzene	ND		ug/kg	210	24.	1
Hexachlorobenzene	ND		ug/kg	120	23.	1
Bis(2-chloroethyl)ether	ND		ug/kg	190	28.	1
2-Chloronaphthalene	ND		ug/kg	210	20.	1
1,2-Dichlorobenzene	ND		ug/kg	210	37.	1
1,3-Dichlorobenzene	ND		ug/kg	210	36.	1
1,4-Dichlorobenzene	ND		ug/kg	210	36.	1
3,3'-Dichlorobenzidine	ND		ug/kg	210	55.	1
2,4-Dinitrotoluene	ND		ug/kg	210	41.	1
2,6-Dinitrotoluene	ND		ug/kg	210	36.	1
Fluoranthene	4000		ug/kg	120	24.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	210	22.	1
4-Bromophenyl phenyl ether	ND		ug/kg	210	32.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	250	35.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	21.	1
Hexachlorobutadiene	ND		ug/kg	210	30.	1
Hexachlorocyclopentadiene	ND		ug/kg	590	190	1
Hexachloroethane	ND		ug/kg	160	33.	1
Isophorone	ND		ug/kg	190	27.	1
Naphthalene	30	J	ug/kg	210	25.	1
Nitrobenzene	ND		ug/kg	190	31.	1
NDPA/DPA	ND		ug/kg	160	24.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	210	32.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	210	72.	1
Butyl benzyl phthalate	ND		ug/kg	210	52.	1
Di-n-butylphthalate	ND		ug/kg	210	39.	1
Di-n-octylphthalate	ND		ug/kg	210	70.	1

Project Name: 266-270 WEST 96TH STREET

Lab Number: L2048123

Project Number: 170432001

Report Date: 11/09/20

## SAMPLE RESULTS

Lab ID: L2048123-04 RE

Date Collected: 11/03/20 08:30

Client ID: SB19\_4-5

Date Received: 11/03/20

Sample Location: NEW YORK, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	210	19.	1
Dimethyl phthalate	ND		ug/kg	210	43.	1
Benzo(a)anthracene	2400		ug/kg	120	23.	1
Benzo(a)pyrene	2100		ug/kg	160	50.	1
Benzo(b)fluoranthene	2300		ug/kg	120	35.	1
Benzo(k)fluoranthene	680		ug/kg	120	33.	1
Chrysene	2100		ug/kg	120	22.	1
Acenaphthylene	73	J	ug/kg	160	32.	1
Anthracene	610		ug/kg	120	40.	1
Benzo(ghi)perylene	1300		ug/kg	160	24.	1
Fluorene	160	J	ug/kg	210	20.	1
Phenanthrene	3300		ug/kg	120	25.	1
Dibenzo(a,h)anthracene	270		ug/kg	120	24.	1
Indeno(1,2,3-cd)pyrene	1200		ug/kg	160	29.	1
Pyrene	4800		ug/kg	120	20.	1
Biphenyl	ND		ug/kg	470	48.	1
4-Chloroaniline	ND		ug/kg	210	38.	1
2-Nitroaniline	ND		ug/kg	210	40.	1
3-Nitroaniline	ND		ug/kg	210	39.	1
4-Nitroaniline	ND		ug/kg	210	86.	1
Dibenzofuran	42	J	ug/kg	210	20.	1
2-Methylnaphthalene	ND		ug/kg	250	25.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	210	22.	1
Acetophenone	ND		ug/kg	210	26.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	39.	1
p-Chloro-m-cresol	ND		ug/kg	210	31.	1
2-Chlorophenol	ND		ug/kg	210	24.	1
2,4-Dichlorophenol	ND		ug/kg	190	33.	1
2,4-Dimethylphenol	ND		ug/kg	210	68.	1
2-Nitrophenol	ND		ug/kg	450	78.	1
4-Nitrophenol	ND		ug/kg	290	84.	1
2,4-Dinitrophenol	ND		ug/kg	990	96.	1
4,6-Dinitro-o-cresol	ND		ug/kg	540	99.	1
Pentachlorophenol	ND		ug/kg	160	46.	1
Phenol	ND		ug/kg	210	31.	1
2-Methylphenol	ND		ug/kg	210	32.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	300	32.	1

**Project Name:** 266-270 WEST 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2048123  
**Report Date:** 11/09/20

**SAMPLE RESULTS**

Lab ID: L2048123-04 RE  
 Client ID: SB19\_4-5  
 Sample Location: NEW YORK, NY

Date Collected: 11/03/20 08:30  
 Date Received: 11/03/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
2,4,5-Trichlorophenol	ND		ug/kg	210	40.	1
Benzoic Acid	ND		ug/kg	670	210	1
Benzyl Alcohol	ND		ug/kg	210	63.	1
Carbazole	100	J	ug/kg	210	20.	1
1,4-Dioxane	ND		ug/kg	31	9.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	5	Q	25-120
Phenol-d6	26		10-120
Nitrobenzene-d5	71		23-120
2-Fluorobiphenyl	61		30-120
2,4,6-Tribromophenol	1	Q	10-136
4-Terphenyl-d14	48		18-120

**Project Name:** 266-270 WEST 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2048123  
**Report Date:** 11/09/20

**SAMPLE RESULTS**

Lab ID: L2048123-05 D  
 Client ID: SB19\_5-6  
 Sample Location: NEW YORK, NY

Date Collected: 11/03/20 08:00  
 Date Received: 11/03/20  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270D  
 Analytical Date: 11/09/20 12:13  
 Analyst: WR  
 Percent Solids: 74%

Extraction Method: EPA 3546  
 Extraction Date: 11/04/20 17:24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Acenaphthene	13000		ug/kg	8800	1100	50
1,2,4-Trichlorobenzene	ND		ug/kg	11000	1300	50
Hexachlorobenzene	ND		ug/kg	6600	1200	50
Bis(2-chloroethyl)ether	ND		ug/kg	9900	1500	50
2-Chloronaphthalene	ND		ug/kg	11000	1100	50
1,2-Dichlorobenzene	ND		ug/kg	11000	2000	50
1,3-Dichlorobenzene	ND		ug/kg	11000	1900	50
1,4-Dichlorobenzene	ND		ug/kg	11000	1900	50
3,3'-Dichlorobenzidine	ND		ug/kg	11000	2900	50
2,4-Dinitrotoluene	ND		ug/kg	11000	2200	50
2,6-Dinitrotoluene	ND		ug/kg	11000	1900	50
Fluoranthene	130000		ug/kg	6600	1300	50
4-Chlorophenyl phenyl ether	ND		ug/kg	11000	1200	50
4-Bromophenyl phenyl ether	ND		ug/kg	11000	1700	50
Bis(2-chloroisopropyl)ether	ND		ug/kg	13000	1900	50
Bis(2-chloroethoxy)methane	ND		ug/kg	12000	1100	50
Hexachlorobutadiene	ND		ug/kg	11000	1600	50
Hexachlorocyclopentadiene	ND		ug/kg	32000	10000	50
Hexachloroethane	ND		ug/kg	8800	1800	50
Isophorone	ND		ug/kg	9900	1400	50
Naphthalene	3200	J	ug/kg	11000	1300	50
Nitrobenzene	ND		ug/kg	9900	1600	50
NDPA/DPA	ND		ug/kg	8800	1200	50
n-Nitrosodi-n-propylamine	ND		ug/kg	11000	1700	50
Bis(2-ethylhexyl)phthalate	ND		ug/kg	11000	3800	50
Butyl benzyl phthalate	ND		ug/kg	11000	2800	50
Di-n-butylphthalate	ND		ug/kg	11000	2100	50
Di-n-octylphthalate	ND		ug/kg	11000	3800	50

Project Name: 266-270 WEST 96TH STREET

Lab Number: L2048123

Project Number: 170432001

Report Date: 11/09/20

## SAMPLE RESULTS

Lab ID: L2048123-05 D

Date Collected: 11/03/20 08:00

Client ID: SB19\_5-6

Date Received: 11/03/20

Sample Location: NEW YORK, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	11000	1000	50
Dimethyl phthalate	ND		ug/kg	11000	2300	50
Benzo(a)anthracene	60000		ug/kg	6600	1200	50
Benzo(a)pyrene	52000		ug/kg	8800	2700	50
Benzo(b)fluoranthene	58000		ug/kg	6600	1800	50
Benzo(k)fluoranthene	14000		ug/kg	6600	1800	50
Chrysene	61000		ug/kg	6600	1100	50
Acenaphthylene	ND		ug/kg	8800	1700	50
Anthracene	28000		ug/kg	6600	2200	50
Benzo(ghi)perylene	30000		ug/kg	8800	1300	50
Fluorene	10000	J	ug/kg	11000	1100	50
Phenanthrene	160000		ug/kg	6600	1300	50
Dibenzo(a,h)anthracene	7100		ug/kg	6600	1300	50
Indeno(1,2,3-cd)pyrene	27000		ug/kg	8800	1500	50
Pyrene	160000		ug/kg	6600	1100	50
Biphenyl	ND		ug/kg	25000	2600	50
4-Chloroaniline	ND		ug/kg	11000	2000	50
2-Nitroaniline	ND		ug/kg	11000	2100	50
3-Nitroaniline	ND		ug/kg	11000	2100	50
4-Nitroaniline	ND		ug/kg	11000	4600	50
Dibenzofuran	3700	J	ug/kg	11000	1000	50
2-Methylnaphthalene	3300	J	ug/kg	13000	1300	50
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	11000	1200	50
Acetophenone	ND		ug/kg	11000	1400	50
2,4,6-Trichlorophenol	ND		ug/kg	6600	2100	50
p-Chloro-m-cresol	ND		ug/kg	11000	1600	50
2-Chlorophenol	ND		ug/kg	11000	1300	50
2,4-Dichlorophenol	ND		ug/kg	9900	1800	50
2,4-Dimethylphenol	ND		ug/kg	11000	3600	50
2-Nitrophenol	ND		ug/kg	24000	4100	50
4-Nitrophenol	ND		ug/kg	15000	4500	50
2,4-Dinitrophenol	ND		ug/kg	53000	5100	50
4,6-Dinitro-o-cresol	ND		ug/kg	29000	5300	50
Pentachlorophenol	ND		ug/kg	8800	2400	50
Phenol	ND		ug/kg	11000	1700	50
2-Methylphenol	ND		ug/kg	11000	1700	50
3-Methylphenol/4-Methylphenol	ND		ug/kg	16000	1700	50

**Project Name:** 266-270 WEST 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2048123  
**Report Date:** 11/09/20

**SAMPLE RESULTS**

Lab ID: L2048123-05 D  
 Client ID: SB19\_5-6  
 Sample Location: NEW YORK, NY

Date Collected: 11/03/20 08:00  
 Date Received: 11/03/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	11000	2100	50
Benzoic Acid	ND		ug/kg	36000	11000	50
Benzyl Alcohol	ND		ug/kg	11000	3400	50
Carbazole	4900	J	ug/kg	11000	1100	50
1,4-Dioxane	ND		ug/kg	1600	510	50

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	0	Q	25-120
Phenol-d6	0	Q	10-120
Nitrobenzene-d5	0	Q	23-120
2-Fluorobiphenyl	0	Q	30-120
2,4,6-Tribromophenol	0	Q	10-136
4-Terphenyl-d14	0	Q	18-120

**Project Name:** 266-270 WEST 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2048123  
**Report Date:** 11/09/20

**SAMPLE RESULTS**

Lab ID: L2048123-06  
 Client ID: SB19\_7-8  
 Sample Location: NEW YORK, NY

Date Collected: 11/03/20 08:15  
 Date Received: 11/03/20  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270D  
 Analytical Date: 11/06/20 05:32  
 Analyst: IM  
 Percent Solids: 83%

Extraction Method: EPA 3546  
 Extraction Date: 11/04/20 17:24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Acenaphthene	960		ug/kg	160	20.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	22.	1
Hexachlorobenzene	ND		ug/kg	120	22.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	27.	1
2-Chloronaphthalene	ND		ug/kg	200	19.	1
1,2-Dichlorobenzene	ND		ug/kg	200	35.	1
1,3-Dichlorobenzene	ND		ug/kg	200	34.	1
1,4-Dichlorobenzene	ND		ug/kg	200	34.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	52.	1
2,4-Dinitrotoluene	ND		ug/kg	200	39.	1
2,6-Dinitrotoluene	ND		ug/kg	200	34.	1
Fluoranthene	5300		ug/kg	120	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	21.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	30.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	34.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	20.	1
Hexachlorobutadiene	ND		ug/kg	200	29.	1
Hexachlorocyclopentadiene	ND		ug/kg	560	180	1
Hexachloroethane	ND		ug/kg	160	32.	1
Isophorone	ND		ug/kg	180	25.	1
Naphthalene	560		ug/kg	200	24.	1
Nitrobenzene	ND		ug/kg	180	29.	1
NDPA/DPA	ND		ug/kg	160	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	30.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	200	68.	1
Butyl benzyl phthalate	ND		ug/kg	200	49.	1
Di-n-butylphthalate	ND		ug/kg	200	37.	1
Di-n-octylphthalate	ND		ug/kg	200	67.	1

**Project Name:** 266-270 WEST 96TH STREET**Lab Number:** L2048123**Project Number:** 170432001**Report Date:** 11/09/20**SAMPLE RESULTS**

Lab ID: L2048123-06  
 Client ID: SB19\_7-8  
 Sample Location: NEW YORK, NY

Date Collected: 11/03/20 08:15  
 Date Received: 11/03/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Diethyl phthalate	ND		ug/kg	200	18.	1
Dimethyl phthalate	ND		ug/kg	200	41.	1
Benzo(a)anthracene	3100		ug/kg	120	22.	1
Benzo(a)pyrene	2500		ug/kg	160	48.	1
Benzo(b)fluoranthene	2600		ug/kg	120	33.	1
Benzo(k)fluoranthene	920		ug/kg	120	31.	1
Chrysene	2800		ug/kg	120	20.	1
Acenaphthylene	66	J	ug/kg	160	30.	1
Anthracene	1800		ug/kg	120	38.	1
Benzo(ghi)perylene	1500		ug/kg	160	23.	1
Fluorene	890		ug/kg	200	19.	1
Phenanthrene	7000		ug/kg	120	24.	1
Dibenzo(a,h)anthracene	280		ug/kg	120	23.	1
Indeno(1,2,3-cd)pyrene	1300		ug/kg	160	27.	1
Pyrene	5800		ug/kg	120	20.	1
Biphenyl	93	J	ug/kg	450	46.	1
4-Chloroaniline	ND		ug/kg	200	36.	1
2-Nitroaniline	ND		ug/kg	200	38.	1
3-Nitroaniline	ND		ug/kg	200	37.	1
4-Nitroaniline	ND		ug/kg	200	81.	1
Dibenzofuran	530		ug/kg	200	18.	1
2-Methylnaphthalene	330		ug/kg	240	24.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	20.	1
Acetophenone	ND		ug/kg	200	24.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	37.	1
p-Chloro-m-cresol	ND		ug/kg	200	29.	1
2-Chlorophenol	ND		ug/kg	200	23.	1
2,4-Dichlorophenol	ND		ug/kg	180	32.	1
2,4-Dimethylphenol	ND		ug/kg	200	65.	1
2-Nitrophenol	ND		ug/kg	420	74.	1
4-Nitrophenol	ND		ug/kg	270	80.	1
2,4-Dinitrophenol	ND		ug/kg	940	92.	1
4,6-Dinitro-o-cresol	ND		ug/kg	510	94.	1
Pentachlorophenol	ND		ug/kg	160	43.	1
Phenol	ND		ug/kg	200	30.	1
2-Methylphenol	ND		ug/kg	200	30.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	31.	1



**Project Name:** 266-270 WEST 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2048123  
**Report Date:** 11/09/20

**SAMPLE RESULTS**

Lab ID: L2048123-06  
 Client ID: SB19\_7-8  
 Sample Location: NEW YORK, NY

Date Collected: 11/03/20 08:15  
 Date Received: 11/03/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	200	38.	1
Benzoic Acid	ND		ug/kg	640	200	1
Benzyl Alcohol	ND		ug/kg	200	60.	1
Carbazole	550		ug/kg	200	19.	1
1,4-Dioxane	ND		ug/kg	29	9.0	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	27		25-120
Phenol-d6	56		10-120
Nitrobenzene-d5	66		23-120
2-Fluorobiphenyl	72		30-120
2,4,6-Tribromophenol	28		10-136
4-Terphenyl-d14	58		18-120

**Project Name:** 266-270 WEST 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2048123  
**Report Date:** 11/09/20

**SAMPLE RESULTS**

Lab ID: L2048123-07  
 Client ID: SB20\_1.5-2.5  
 Sample Location: NEW YORK, NY

Date Collected: 11/03/20 10:00  
 Date Received: 11/03/20  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270D  
 Analytical Date: 11/06/20 02:03  
 Analyst: IM  
 Percent Solids: 85%

Extraction Method: EPA 3546  
 Extraction Date: 11/04/20 17:24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Acenaphthene	31	J	ug/kg	160	20.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	22.	1
Hexachlorobenzene	ND		ug/kg	120	22.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	26.	1
2-Chloronaphthalene	ND		ug/kg	190	19.	1
1,2-Dichlorobenzene	ND		ug/kg	190	35.	1
1,3-Dichlorobenzene	ND		ug/kg	190	33.	1
1,4-Dichlorobenzene	ND		ug/kg	190	34.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	52.	1
2,4-Dinitrotoluene	ND		ug/kg	190	39.	1
2,6-Dinitrotoluene	ND		ug/kg	190	33.	1
Fluoranthene	290		ug/kg	120	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	21.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	30.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	33.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	19.	1
Hexachlorobutadiene	ND		ug/kg	190	28.	1
Hexachlorocyclopentadiene	ND		ug/kg	560	180	1
Hexachloroethane	ND		ug/kg	160	31.	1
Isophorone	ND		ug/kg	180	25.	1
Naphthalene	ND		ug/kg	190	24.	1
Nitrobenzene	ND		ug/kg	180	29.	1
NDPA/DPA	ND		ug/kg	160	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	30.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	67.	1
Butyl benzyl phthalate	ND		ug/kg	190	49.	1
Di-n-butylphthalate	ND		ug/kg	190	37.	1
Di-n-octylphthalate	ND		ug/kg	190	66.	1

**Project Name:** 266-270 WEST 96TH STREET**Lab Number:** L2048123**Project Number:** 170432001**Report Date:** 11/09/20**SAMPLE RESULTS**

Lab ID: L2048123-07  
 Client ID: SB20\_1.5-2.5  
 Sample Location: NEW YORK, NY

Date Collected: 11/03/20 10:00  
 Date Received: 11/03/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Diethyl phthalate	ND		ug/kg	190	18.	1
Dimethyl phthalate	ND		ug/kg	190	41.	1
Benzo(a)anthracene	120		ug/kg	120	22.	1
Benzo(a)pyrene	120	J	ug/kg	160	47.	1
Benzo(b)fluoranthene	150		ug/kg	120	33.	1
Benzo(k)fluoranthene	37	J	ug/kg	120	31.	1
Chrysene	120		ug/kg	120	20.	1
Acenaphthylene	ND		ug/kg	160	30.	1
Anthracene	47	J	ug/kg	120	38.	1
Benzo(ghi)perylene	74	J	ug/kg	160	23.	1
Fluorene	ND		ug/kg	190	19.	1
Phenanthrene	240		ug/kg	120	24.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	22.	1
Indeno(1,2,3-cd)pyrene	70	J	ug/kg	160	27.	1
Pyrene	260		ug/kg	120	19.	1
Biphenyl	ND		ug/kg	440	45.	1
4-Chloroaniline	ND		ug/kg	190	35.	1
2-Nitroaniline	ND		ug/kg	190	38.	1
3-Nitroaniline	ND		ug/kg	190	37.	1
4-Nitroaniline	ND		ug/kg	190	80.	1
Dibenzofuran	ND		ug/kg	190	18.	1
2-Methylnaphthalene	ND		ug/kg	230	24.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	24.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	37.	1
p-Chloro-m-cresol	ND		ug/kg	190	29.	1
2-Chlorophenol	ND		ug/kg	190	23.	1
2,4-Dichlorophenol	ND		ug/kg	180	31.	1
2,4-Dimethylphenol	ND		ug/kg	190	64.	1
2-Nitrophenol	ND		ug/kg	420	73.	1
4-Nitrophenol	ND		ug/kg	270	79.	1
2,4-Dinitrophenol	ND		ug/kg	930	91.	1
4,6-Dinitro-o-cresol	ND		ug/kg	500	93.	1
Pentachlorophenol	ND		ug/kg	160	43.	1
Phenol	ND		ug/kg	190	29.	1
2-Methylphenol	ND		ug/kg	190	30.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	30.	1

**Project Name:** 266-270 WEST 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2048123  
**Report Date:** 11/09/20

**SAMPLE RESULTS**

Lab ID: L2048123-07  
 Client ID: SB20\_1.5-2.5  
 Sample Location: NEW YORK, NY

Date Collected: 11/03/20 10:00  
 Date Received: 11/03/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	190	37.	1
Benzoic Acid	ND		ug/kg	630	200	1
Benzyl Alcohol	ND		ug/kg	190	60.	1
Carbazole	22	J	ug/kg	190	19.	1
1,4-Dioxane	ND		ug/kg	29	9.0	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	65		25-120
Phenol-d6	61		10-120
Nitrobenzene-d5	59		23-120
2-Fluorobiphenyl	68		30-120
2,4,6-Tribromophenol	85		10-136
4-Terphenyl-d14	63		18-120

**Project Name:** 266-270 WEST 96TH STREET**Lab Number:** L2048123**Project Number:** 170432001**Report Date:** 11/09/20**SAMPLE RESULTS**

Lab ID: L2048123-08 D2

Date Collected: 11/03/20 10:15

Client ID: SB20\_2.5-5

Date Received: 11/03/20

Sample Location: NEW YORK, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Extraction Method: EPA 3546

Analytical Method: 1,8270D

Extraction Date: 11/04/20 17:24

Analytical Date: 11/09/20 13:23

Analyst: WR

Percent Solids: 84%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Pyrene	2000000		ug/kg	46000	7600	400

**Project Name:** 266-270 WEST 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2048123  
**Report Date:** 11/09/20

**SAMPLE RESULTS**

Lab ID: L2048123-08 D  
 Client ID: SB20\_2.5-5  
 Sample Location: NEW YORK, NY

Date Collected: 11/03/20 10:15  
 Date Received: 11/03/20  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270D  
 Analytical Date: 11/09/20 12:36  
 Analyst: WR  
 Percent Solids: 84%

Extraction Method: EPA 3546  
 Extraction Date: 11/04/20 17:24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Acenaphthene	160000		ug/kg	31000	4000	200
1,2,4-Trichlorobenzene	ND		ug/kg	38000	4400	200
Hexachlorobenzene	ND		ug/kg	23000	4300	200
Bis(2-chloroethyl)ether	ND		ug/kg	35000	5200	200
2-Chloronaphthalene	ND		ug/kg	38000	3800	200
1,2-Dichlorobenzene	ND		ug/kg	38000	6900	200
1,3-Dichlorobenzene	ND		ug/kg	38000	6600	200
1,4-Dichlorobenzene	ND		ug/kg	38000	6700	200
3,3'-Dichlorobenzidine	ND		ug/kg	38000	10000	200
2,4-Dinitrotoluene	ND		ug/kg	38000	7700	200
2,6-Dinitrotoluene	ND		ug/kg	38000	6600	200
Fluoranthene	1500000		ug/kg	23000	4400	200
4-Chlorophenyl phenyl ether	ND		ug/kg	38000	4100	200
4-Bromophenyl phenyl ether	ND		ug/kg	38000	5900	200
Bis(2-chloroisopropyl)ether	ND		ug/kg	46000	6600	200
Bis(2-chloroethoxy)methane	ND		ug/kg	42000	3800	200
Hexachlorobutadiene	ND		ug/kg	38000	5600	200
Hexachlorocyclopentadiene	ND		ug/kg	110000	35000	200
Hexachloroethane	ND		ug/kg	31000	6200	200
Isophorone	ND		ug/kg	35000	5000	200
Naphthalene	84000		ug/kg	38000	4700	200
Nitrobenzene	ND		ug/kg	35000	5700	200
NDPA/DPA	ND		ug/kg	31000	4400	200
n-Nitrosodi-n-propylamine	ND		ug/kg	38000	5900	200
Bis(2-ethylhexyl)phthalate	ND		ug/kg	38000	13000	200
Butyl benzyl phthalate	ND		ug/kg	38000	9700	200
Di-n-butylphthalate	ND		ug/kg	38000	7300	200
Di-n-octylphthalate	ND		ug/kg	38000	13000	200

Project Name: 266-270 WEST 96TH STREET

Lab Number: L2048123

Project Number: 170432001

Report Date: 11/09/20

## SAMPLE RESULTS

Lab ID: L2048123-08 D

Date Collected: 11/03/20 10:15

Client ID: SB20\_2.5-5

Date Received: 11/03/20

Sample Location: NEW YORK, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	38000	3600	200
Dimethyl phthalate	ND		ug/kg	38000	8100	200
Benzo(a)anthracene	770000		ug/kg	23000	4300	200
Benzo(a)pyrene	640000		ug/kg	31000	9400	200
Benzo(b)fluoranthene	680000		ug/kg	23000	6500	200
Benzo(k)fluoranthene	210000		ug/kg	23000	6200	200
Chrysene	750000		ug/kg	23000	4000	200
Acenaphthylene	28000	J	ug/kg	31000	5900	200
Anthracene	370000		ug/kg	23000	7500	200
Benzo(ghi)perylene	350000		ug/kg	31000	4500	200
Fluorene	140000		ug/kg	38000	3700	200
Phenanthrene	1500000		ug/kg	23000	4700	200
Dibenzo(a,h)anthracene	87000		ug/kg	23000	4400	200
Indeno(1,2,3-cd)pyrene	330000		ug/kg	31000	5400	200
Pyrene	1700000	E	ug/kg	23000	3800	200
Biphenyl	14000	J	ug/kg	88000	8900	200
4-Chloroaniline	ND		ug/kg	38000	7000	200
2-Nitroaniline	ND		ug/kg	38000	7400	200
3-Nitroaniline	ND		ug/kg	38000	7300	200
4-Nitroaniline	ND		ug/kg	38000	16000	200
Dibenzofuran	60000		ug/kg	38000	3600	200
2-Methylnaphthalene	46000		ug/kg	46000	4600	200
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	38000	4000	200
Acetophenone	ND		ug/kg	38000	4800	200
2,4,6-Trichlorophenol	ND		ug/kg	23000	7300	200
p-Chloro-m-cresol	ND		ug/kg	38000	5700	200
2-Chlorophenol	ND		ug/kg	38000	4600	200
2,4-Dichlorophenol	ND		ug/kg	35000	6200	200
2,4-Dimethylphenol	ND		ug/kg	38000	13000	200
2-Nitrophenol	ND		ug/kg	83000	14000	200
4-Nitrophenol	ND		ug/kg	54000	16000	200
2,4-Dinitrophenol	ND		ug/kg	180000	18000	200
4,6-Dinitro-o-cresol	ND		ug/kg	100000	18000	200
Pentachlorophenol	ND		ug/kg	31000	8500	200
Phenol	ND		ug/kg	38000	5800	200
2-Methylphenol	ND		ug/kg	38000	6000	200
3-Methylphenol/4-Methylphenol	ND		ug/kg	55000	6000	200

**Project Name:** 266-270 WEST 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2048123  
**Report Date:** 11/09/20

**SAMPLE RESULTS**

Lab ID: L2048123-08 D  
 Client ID: SB20\_2.5-5  
 Sample Location: NEW YORK, NY

Date Collected: 11/03/20 10:15  
 Date Received: 11/03/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	38000	7400	200
Benzoic Acid	ND		ug/kg	120000	39000	200
Benzyl Alcohol	ND		ug/kg	38000	12000	200
Carbazole	57000		ug/kg	38000	3700	200
1,4-Dioxane	ND		ug/kg	5800	1800	200

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	0	Q	25-120
Phenol-d6	0	Q	10-120
Nitrobenzene-d5	0	Q	23-120
2-Fluorobiphenyl	0	Q	30-120
2,4,6-Tribromophenol	0	Q	10-136
4-Terphenyl-d14	0	Q	18-120



**Project Name:** 266-270 WEST 96TH STREET**Lab Number:** L2048123**Project Number:** 170432001**Report Date:** 11/09/20**SAMPLE RESULTS**

Lab ID: L2048123-09 D  
 Client ID: SB20\_5.5-6  
 Sample Location: NEW YORK, NY

Date Collected: 11/03/20 10:30  
 Date Received: 11/03/20  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270D  
 Analytical Date: 11/09/20 13:20  
 Analyst: IM  
 Percent Solids: 90%

Extraction Method: EPA 3546  
 Extraction Date: 11/04/20 17:24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Acenaphthene	1200		ug/kg	290	38.	2
1,2,4-Trichlorobenzene	ND		ug/kg	370	42.	2
Hexachlorobenzene	ND		ug/kg	220	41.	2
Bis(2-chloroethyl)ether	ND		ug/kg	330	50.	2
2-Chloronaphthalene	ND		ug/kg	370	36.	2
1,2-Dichlorobenzene	ND		ug/kg	370	66.	2
1,3-Dichlorobenzene	ND		ug/kg	370	63.	2
1,4-Dichlorobenzene	ND		ug/kg	370	64.	2
3,3'-Dichlorobenzidine	ND		ug/kg	370	98.	2
2,4-Dinitrotoluene	ND		ug/kg	370	74.	2
2,6-Dinitrotoluene	ND		ug/kg	370	63.	2
Fluoranthene	7200		ug/kg	220	42.	2
4-Chlorophenyl phenyl ether	ND		ug/kg	370	39.	2
4-Bromophenyl phenyl ether	ND		ug/kg	370	56.	2
Bis(2-chloroisopropyl)ether	ND		ug/kg	440	63.	2
Bis(2-chloroethoxy)methane	ND		ug/kg	400	37.	2
Hexachlorobutadiene	ND		ug/kg	370	54.	2
Hexachlorocyclopentadiene	ND		ug/kg	1000	330	2
Hexachloroethane	ND		ug/kg	290	59.	2
Isophorone	ND		ug/kg	330	48.	2
Naphthalene	370		ug/kg	370	45.	2
Nitrobenzene	ND		ug/kg	330	54.	2
NDPA/DPA	ND		ug/kg	290	42.	2
n-Nitrosodi-n-propylamine	ND		ug/kg	370	57.	2
Bis(2-ethylhexyl)phthalate	ND		ug/kg	370	130	2
Butyl benzyl phthalate	ND		ug/kg	370	93.	2
Di-n-butylphthalate	ND		ug/kg	370	70.	2
Di-n-octylphthalate	ND		ug/kg	370	120	2

Project Name: 266-270 WEST 96TH STREET

Lab Number: L2048123

Project Number: 170432001

Report Date: 11/09/20

## SAMPLE RESULTS

Lab ID: L2048123-09 D

Date Collected: 11/03/20 10:30

Client ID: SB20\_5.5-6

Date Received: 11/03/20

Sample Location: NEW YORK, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	370	34.	2
Dimethyl phthalate	ND		ug/kg	370	77.	2
Benzo(a)anthracene	3700		ug/kg	220	41.	2
Benzo(a)pyrene	3000		ug/kg	290	90.	2
Benzo(b)fluoranthene	3200		ug/kg	220	62.	2
Benzo(k)fluoranthene	790		ug/kg	220	59.	2
Chrysene	3300		ug/kg	220	38.	2
Acenaphthylene	ND		ug/kg	290	57.	2
Anthracene	2800		ug/kg	220	72.	2
Benzo(ghi)perylene	1700		ug/kg	290	43.	2
Fluorene	1100		ug/kg	370	36.	2
Phenanthrene	10000		ug/kg	220	45.	2
Dibenzo(a,h)anthracene	340		ug/kg	220	42.	2
Indeno(1,2,3-cd)pyrene	1400		ug/kg	290	51.	2
Pyrene	8800		ug/kg	220	36.	2
Biphenyl	120	J	ug/kg	840	85.	2
4-Chloroaniline	ND		ug/kg	370	67.	2
2-Nitroaniline	ND		ug/kg	370	71.	2
3-Nitroaniline	ND		ug/kg	370	69.	2
4-Nitroaniline	ND		ug/kg	370	150	2
Dibenzofuran	360	J	ug/kg	370	35.	2
2-Methylnaphthalene	360	J	ug/kg	440	44.	2
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	370	38.	2
Acetophenone	ND		ug/kg	370	46.	2
2,4,6-Trichlorophenol	ND		ug/kg	220	70.	2
p-Chloro-m-cresol	ND		ug/kg	370	55.	2
2-Chlorophenol	ND		ug/kg	370	43.	2
2,4-Dichlorophenol	ND		ug/kg	330	59.	2
2,4-Dimethylphenol	ND		ug/kg	370	120	2
2-Nitrophenol	ND		ug/kg	790	140	2
4-Nitrophenol	ND		ug/kg	510	150	2
2,4-Dinitrophenol	ND		ug/kg	1800	170	2
4,6-Dinitro-o-cresol	ND		ug/kg	960	180	2
Pentachlorophenol	ND		ug/kg	290	81.	2
Phenol	ND		ug/kg	370	56.	2
2-Methylphenol	ND		ug/kg	370	57.	2
3-Methylphenol/4-Methylphenol	ND		ug/kg	530	58.	2

**Project Name:** 266-270 WEST 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2048123  
**Report Date:** 11/09/20

**SAMPLE RESULTS**

Lab ID: L2048123-09 D  
 Client ID: SB20\_5.5-6  
 Sample Location: NEW YORK, NY

Date Collected: 11/03/20 10:30  
 Date Received: 11/03/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	370	70.	2
Benzoic Acid	ND		ug/kg	1200	370	2
Benzyl Alcohol	ND		ug/kg	370	110	2
Carbazole	540		ug/kg	370	36.	2
1,4-Dioxane	ND		ug/kg	55	17.	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	69		25-120
Phenol-d6	67		10-120
Nitrobenzene-d5	66		23-120
2-Fluorobiphenyl	76		30-120
2,4,6-Tribromophenol	90		10-136
4-Terphenyl-d14	75		18-120

**Project Name:** 266-270 WEST 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2048123  
**Report Date:** 11/09/20

**SAMPLE RESULTS**

Lab ID: L2048123-10  
 Client ID: SB21\_1-2  
 Sample Location: NEW YORK, NY

Date Collected: 11/03/20 11:50  
 Date Received: 11/03/20  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270D  
 Analytical Date: 11/06/20 04:47  
 Analyst: IM  
 Percent Solids: 85%

Extraction Method: EPA 3546  
 Extraction Date: 11/04/20 17:24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Acenaphthene	160		ug/kg	150	20.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	22.	1
Hexachlorobenzene	ND		ug/kg	120	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	26.	1
2-Chloronaphthalene	ND		ug/kg	190	19.	1
1,2-Dichlorobenzene	ND		ug/kg	190	34.	1
1,3-Dichlorobenzene	ND		ug/kg	190	33.	1
1,4-Dichlorobenzene	ND		ug/kg	190	33.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	51.	1
2,4-Dinitrotoluene	ND		ug/kg	190	38.	1
2,6-Dinitrotoluene	ND		ug/kg	190	33.	1
Fluoranthene	2400		ug/kg	120	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	29.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	33.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	19.	1
Hexachlorobutadiene	ND		ug/kg	190	28.	1
Hexachlorocyclopentadiene	ND		ug/kg	550	170	1
Hexachloroethane	ND		ug/kg	150	31.	1
Isophorone	ND		ug/kg	170	25.	1
Naphthalene	48	J	ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	30.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	66.	1
Butyl benzyl phthalate	ND		ug/kg	190	48.	1
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	65.	1

Project Name: 266-270 WEST 96TH STREET

Lab Number: L2048123

Project Number: 170432001

Report Date: 11/09/20

## SAMPLE RESULTS

Lab ID: L2048123-10  
 Client ID: SB21\_1-2  
 Sample Location: NEW YORK, NY

Date Collected: 11/03/20 11:50  
 Date Received: 11/03/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	190	18.	1
Dimethyl phthalate	ND		ug/kg	190	40.	1
Benzo(a)anthracene	1200		ug/kg	120	22.	1
Benzo(a)pyrene	1100		ug/kg	150	47.	1
Benzo(b)fluoranthene	1300		ug/kg	120	32.	1
Benzo(k)fluoranthene	350		ug/kg	120	31.	1
Chrysene	1100		ug/kg	120	20.	1
Acenaphthylene	53	J	ug/kg	150	30.	1
Anthracene	420		ug/kg	120	37.	1
Benzo(ghi)perylene	660		ug/kg	150	22.	1
Fluorene	130	J	ug/kg	190	19.	1
Phenanthrene	2200		ug/kg	120	23.	1
Dibenzo(a,h)anthracene	130		ug/kg	120	22.	1
Indeno(1,2,3-cd)pyrene	610		ug/kg	150	27.	1
Pyrene	2400		ug/kg	120	19.	1
Biphenyl	ND		ug/kg	440	44.	1
4-Chloroaniline	ND		ug/kg	190	35.	1
2-Nitroaniline	ND		ug/kg	190	37.	1
3-Nitroaniline	ND		ug/kg	190	36.	1
4-Nitroaniline	ND		ug/kg	190	79.	1
Dibenzofuran	72	J	ug/kg	190	18.	1
2-Methylnaphthalene	26	J	ug/kg	230	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	24.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	36.	1
p-Chloro-m-cresol	ND		ug/kg	190	28.	1
2-Chlorophenol	ND		ug/kg	190	23.	1
2,4-Dichlorophenol	ND		ug/kg	170	31.	1
2,4-Dimethylphenol	ND		ug/kg	190	63.	1
2-Nitrophenol	ND		ug/kg	410	72.	1
4-Nitrophenol	ND		ug/kg	270	78.	1
2,4-Dinitrophenol	ND		ug/kg	920	89.	1
4,6-Dinitro-o-cresol	ND		ug/kg	500	92.	1
Pentachlorophenol	ND		ug/kg	150	42.	1
Phenol	ND		ug/kg	190	29.	1
2-Methylphenol	ND		ug/kg	190	30.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	30.	1

**Project Name:** 266-270 WEST 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2048123  
**Report Date:** 11/09/20

**SAMPLE RESULTS**

Lab ID: L2048123-10  
 Client ID: SB21\_1-2  
 Sample Location: NEW YORK, NY

Date Collected: 11/03/20 11:50  
 Date Received: 11/03/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	190	37.	1
Benzoic Acid	ND		ug/kg	620	190	1
Benzyl Alcohol	ND		ug/kg	190	59.	1
Carbazole	160	J	ug/kg	190	19.	1
1,4-Dioxane	ND		ug/kg	29	8.8	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	66		25-120
Phenol-d6	65		10-120
Nitrobenzene-d5	64		23-120
2-Fluorobiphenyl	71		30-120
2,4,6-Tribromophenol	88		10-136
4-Terphenyl-d14	70		18-120

**Project Name:** 266-270 WEST 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2048123  
**Report Date:** 11/09/20

**SAMPLE RESULTS**

Lab ID: L2048123-11 D  
 Client ID: SB21\_4.5-5.5  
 Sample Location: NEW YORK, NY

Date Collected: 11/03/20 11:15  
 Date Received: 11/03/20  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270D  
 Analytical Date: 11/09/20 12:58  
 Analyst: WR  
 Percent Solids: 81%

Extraction Method: EPA 3546  
 Extraction Date: 11/04/20 17:24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Acenaphthene	3600		ug/kg	1600	210	10
1,2,4-Trichlorobenzene	ND		ug/kg	2000	230	10
Hexachlorobenzene	ND		ug/kg	1200	220	10
Bis(2-chloroethyl)ether	ND		ug/kg	1800	270	10
2-Chloronaphthalene	ND		ug/kg	2000	200	10
1,2-Dichlorobenzene	ND		ug/kg	2000	360	10
1,3-Dichlorobenzene	ND		ug/kg	2000	340	10
1,4-Dichlorobenzene	ND		ug/kg	2000	350	10
3,3'-Dichlorobenzidine	ND		ug/kg	2000	530	10
2,4-Dinitrotoluene	ND		ug/kg	2000	400	10
2,6-Dinitrotoluene	ND		ug/kg	2000	340	10
Fluoranthene	51000		ug/kg	1200	230	10
4-Chlorophenyl phenyl ether	ND		ug/kg	2000	210	10
4-Bromophenyl phenyl ether	ND		ug/kg	2000	310	10
Bis(2-chloroisopropyl)ether	ND		ug/kg	2400	340	10
Bis(2-chloroethoxy)methane	ND		ug/kg	2200	200	10
Hexachlorobutadiene	ND		ug/kg	2000	290	10
Hexachlorocyclopentadiene	ND		ug/kg	5700	1800	10
Hexachloroethane	ND		ug/kg	1600	320	10
Isophorone	ND		ug/kg	1800	260	10
Naphthalene	730	J	ug/kg	2000	240	10
Nitrobenzene	ND		ug/kg	1800	300	10
NDPA/DPA	ND		ug/kg	1600	230	10
n-Nitrosodi-n-propylamine	ND		ug/kg	2000	310	10
Bis(2-ethylhexyl)phthalate	ND		ug/kg	2000	690	10
Butyl benzyl phthalate	ND		ug/kg	2000	500	10
Di-n-butylphthalate	ND		ug/kg	2000	380	10
Di-n-octylphthalate	ND		ug/kg	2000	680	10

Project Name: 266-270 WEST 96TH STREET

Lab Number: L2048123

Project Number: 170432001

Report Date: 11/09/20

## SAMPLE RESULTS

Lab ID: L2048123-11 D

Date Collected: 11/03/20 11:15

Client ID: SB21\_4.5-5.5

Date Received: 11/03/20

Sample Location: NEW YORK, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	2000	180	10
Dimethyl phthalate	ND		ug/kg	2000	420	10
Benzo(a)anthracene	24000		ug/kg	1200	220	10
Benzo(a)pyrene	21000		ug/kg	1600	490	10
Benzo(b)fluoranthene	24000		ug/kg	1200	340	10
Benzo(k)fluoranthene	6600		ug/kg	1200	320	10
Chrysene	24000		ug/kg	1200	210	10
Acenaphthylene	2200		ug/kg	1600	310	10
Anthracene	9200		ug/kg	1200	390	10
Benzo(ghi)perylene	12000		ug/kg	1600	240	10
Fluorene	3800		ug/kg	2000	190	10
Phenanthrene	51000		ug/kg	1200	240	10
Dibenzo(a,h)anthracene	2900		ug/kg	1200	230	10
Indeno(1,2,3-cd)pyrene	11000		ug/kg	1600	280	10
Pyrene	57000		ug/kg	1200	200	10
Biphenyl	ND		ug/kg	4600	460	10
4-Chloroaniline	ND		ug/kg	2000	360	10
2-Nitroaniline	ND		ug/kg	2000	390	10
3-Nitroaniline	ND		ug/kg	2000	380	10
4-Nitroaniline	ND		ug/kg	2000	830	10
Dibenzofuran	1800	J	ug/kg	2000	190	10
2-Methylnaphthalene	870	J	ug/kg	2400	240	10
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	2000	210	10
Acetophenone	ND		ug/kg	2000	250	10
2,4,6-Trichlorophenol	ND		ug/kg	1200	380	10
p-Chloro-m-cresol	ND		ug/kg	2000	300	10
2-Chlorophenol	ND		ug/kg	2000	240	10
2,4-Dichlorophenol	ND		ug/kg	1800	320	10
2,4-Dimethylphenol	ND		ug/kg	2000	660	10
2-Nitrophenol	ND		ug/kg	4300	750	10
4-Nitrophenol	ND		ug/kg	2800	820	10
2,4-Dinitrophenol	ND		ug/kg	9600	930	10
4,6-Dinitro-o-cresol	ND		ug/kg	5200	960	10
Pentachlorophenol	ND		ug/kg	1600	440	10
Phenol	ND		ug/kg	2000	300	10
2-Methylphenol	ND		ug/kg	2000	310	10
3-Methylphenol/4-Methylphenol	ND		ug/kg	2900	310	10



**Project Name:** 266-270 WEST 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2048123  
**Report Date:** 11/09/20

**SAMPLE RESULTS**

Lab ID: L2048123-11 D  
 Client ID: SB21\_4.5-5.5  
 Sample Location: NEW YORK, NY

Date Collected: 11/03/20 11:15  
 Date Received: 11/03/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
2,4,5-Trichlorophenol	ND		ug/kg	2000	380	10
Benzoic Acid	ND		ug/kg	6500	2000	10
Benzyl Alcohol	ND		ug/kg	2000	610	10
Carbazole	1700	J	ug/kg	2000	190	10
1,4-Dioxane	ND		ug/kg	300	92.	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	64		25-120
Phenol-d6	68		10-120
Nitrobenzene-d5	62		23-120
2-Fluorobiphenyl	61		30-120
2,4,6-Tribromophenol	59		10-136
4-Terphenyl-d14	55		18-120

**Project Name:** 266-270 WEST 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2048123  
**Report Date:** 11/09/20

**SAMPLE RESULTS**

Lab ID: L2048123-12  
 Client ID: SB21\_7-8  
 Sample Location: NEW YORK, NY

Date Collected: 11/03/20 11:45  
 Date Received: 11/03/20  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270D  
 Analytical Date: 11/05/20 13:37  
 Analyst: IM  
 Percent Solids: 85%

Extraction Method: EPA 3546  
 Extraction Date: 11/04/20 17:26

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Acenaphthene	ND		ug/kg	160	20.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	22.	1
Hexachlorobenzene	ND		ug/kg	120	22.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	26.	1
2-Chloronaphthalene	ND		ug/kg	200	19.	1
1,2-Dichlorobenzene	ND		ug/kg	200	35.	1
1,3-Dichlorobenzene	ND		ug/kg	200	34.	1
1,4-Dichlorobenzene	ND		ug/kg	200	34.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	52.	1
2,4-Dinitrotoluene	ND		ug/kg	200	39.	1
2,6-Dinitrotoluene	ND		ug/kg	200	33.	1
Fluoranthene	ND		ug/kg	120	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	21.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	30.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	33.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	20.	1
Hexachlorobutadiene	ND		ug/kg	200	28.	1
Hexachlorocyclopentadiene	ND		ug/kg	560	180	1
Hexachloroethane	ND		ug/kg	160	32.	1
Isophorone	ND		ug/kg	180	25.	1
Naphthalene	ND		ug/kg	200	24.	1
Nitrobenzene	ND		ug/kg	180	29.	1
NDPA/DPA	ND		ug/kg	160	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	30.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	200	68.	1
Butyl benzyl phthalate	ND		ug/kg	200	49.	1
Di-n-butylphthalate	ND		ug/kg	200	37.	1
Di-n-octylphthalate	ND		ug/kg	200	66.	1

**Project Name:** 266-270 WEST 96TH STREET**Lab Number:** L2048123**Project Number:** 170432001**Report Date:** 11/09/20**SAMPLE RESULTS**

Lab ID: L2048123-12  
 Client ID: SB21\_7-8  
 Sample Location: NEW YORK, NY

Date Collected: 11/03/20 11:45  
 Date Received: 11/03/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Diethyl phthalate	ND		ug/kg	200	18.	1
Dimethyl phthalate	ND		ug/kg	200	41.	1
Benzo(a)anthracene	ND		ug/kg	120	22.	1
Benzo(a)pyrene	ND		ug/kg	160	48.	1
Benzo(b)fluoranthene	ND		ug/kg	120	33.	1
Benzo(k)fluoranthene	ND		ug/kg	120	31.	1
Chrysene	ND		ug/kg	120	20.	1
Acenaphthylene	ND		ug/kg	160	30.	1
Anthracene	ND		ug/kg	120	38.	1
Benzo(ghi)perylene	ND		ug/kg	160	23.	1
Fluorene	ND		ug/kg	200	19.	1
Phenanthrene	ND		ug/kg	120	24.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	22.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	160	27.	1
Pyrene	ND		ug/kg	120	19.	1
Biphenyl	ND		ug/kg	440	45.	1
4-Chloroaniline	ND		ug/kg	200	36.	1
2-Nitroaniline	ND		ug/kg	200	38.	1
3-Nitroaniline	ND		ug/kg	200	37.	1
4-Nitroaniline	ND		ug/kg	200	81.	1
Dibenzofuran	ND		ug/kg	200	18.	1
2-Methylnaphthalene	ND		ug/kg	230	24.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	20.	1
Acetophenone	ND		ug/kg	200	24.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	37.	1
p-Chloro-m-cresol	ND		ug/kg	200	29.	1
2-Chlorophenol	ND		ug/kg	200	23.	1
2,4-Dichlorophenol	ND		ug/kg	180	31.	1
2,4-Dimethylphenol	ND		ug/kg	200	64.	1
2-Nitrophenol	ND		ug/kg	420	73.	1
4-Nitrophenol	ND		ug/kg	270	80.	1
2,4-Dinitrophenol	ND		ug/kg	940	91.	1
4,6-Dinitro-o-cresol	ND		ug/kg	510	94.	1
Pentachlorophenol	ND		ug/kg	160	43.	1
Phenol	ND		ug/kg	200	29.	1
2-Methylphenol	ND		ug/kg	200	30.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	30.	1

**Project Name:** 266-270 WEST 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2048123  
**Report Date:** 11/09/20

**SAMPLE RESULTS**

Lab ID: L2048123-12  
 Client ID: SB21\_7-8  
 Sample Location: NEW YORK, NY

Date Collected: 11/03/20 11:45  
 Date Received: 11/03/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	200	37.	1
Benzoic Acid	ND		ug/kg	630	200	1
Benzyl Alcohol	ND		ug/kg	200	60.	1
Carbazole	ND		ug/kg	200	19.	1
1,4-Dioxane	ND		ug/kg	29	9.0	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	75		25-120
Phenol-d6	69		10-120
Nitrobenzene-d5	68		23-120
2-Fluorobiphenyl	75		30-120
2,4,6-Tribromophenol	100		10-136
4-Terphenyl-d14	79		18-120

**Project Name:** 266-270 WEST 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2048123  
**Report Date:** 11/09/20

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8270D  
Analytical Date: 11/04/20 23:15  
Analyst: WR

Extraction Method: EPA 3546  
Extraction Date: 11/04/20 11:39

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatle Organics by GC/MS - Westborough Lab for sample(s): 01-11 Batch: WG1430307-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	160	19.
Hexachlorobenzene	ND		ug/kg	98	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
1,2-Dichlorobenzene	ND		ug/kg	160	29.
1,3-Dichlorobenzene	ND		ug/kg	160	28.
1,4-Dichlorobenzene	ND		ug/kg	160	29.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	33.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	98	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	18.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	470	150
Hexachloroethane	ND		ug/kg	130	26.
Isophorone	ND		ug/kg	150	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	19.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	25.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	57.
Butyl benzyl phthalate	ND		ug/kg	160	41.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	56.
Diethyl phthalate	ND		ug/kg	160	15.

**Project Name:** 266-270 WEST 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2048123  
**Report Date:** 11/09/20

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8270D  
Analytical Date: 11/04/20 23:15  
Analyst: WR

Extraction Method: EPA 3546  
Extraction Date: 11/04/20 11:39

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-11 Batch: WG1430307-1					
Dimethyl phthalate	95	J	ug/kg	160	34.
Benzo(a)anthracene	ND		ug/kg	98	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	98	28.
Benzo(k)fluoranthene	ND		ug/kg	98	26.
Chrysene	ND		ug/kg	98	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	98	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	98	20.
Dibenzo(a,h)anthracene	ND		ug/kg	98	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	98	16.
Biphenyl	ND		ug/kg	370	38.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	32.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	68.
Dibenzofuran	ND		ug/kg	160	16.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	98	31.
p-Chloro-m-cresol	ND		ug/kg	160	24.
2-Chlorophenol	ND		ug/kg	160	19.
2,4-Dichlorophenol	ND		ug/kg	150	26.
2,4-Dimethylphenol	ND		ug/kg	160	54.
2-Nitrophenol	ND		ug/kg	350	62.

**Project Name:** 266-270 WEST 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2048123  
**Report Date:** 11/09/20

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 1,8270D  
Analytical Date: 11/04/20 23:15  
Analyst: WR

Extraction Method: EPA 3546  
Extraction Date: 11/04/20 11:39

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-11 Batch: WG1430307-1					
4-Nitrophenol	ND		ug/kg	230	67.
2,4-Dinitrophenol	ND		ug/kg	790	76.
4,6-Dinitro-o-cresol	ND		ug/kg	430	79.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	160	25.
2-Methylphenol	ND		ug/kg	160	25.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.
2,4,5-Trichlorophenol	ND		ug/kg	160	31.
Benzoic Acid	ND		ug/kg	530	160
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	16.
1,4-Dioxane	ND		ug/kg	24	7.5

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	100		25-120
Phenol-d6	101		10-120
Nitrobenzene-d5	95		23-120
2-Fluorobiphenyl	87		30-120
2,4,6-Tribromophenol	81		10-136
4-Terphenyl-d14	92		18-120

**Project Name:** 266-270 WEST 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2048123  
**Report Date:** 11/09/20

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 1,8270D  
Analytical Date: 11/05/20 08:23  
Analyst: IM

Extraction Method: EPA 3546  
Extraction Date: 11/04/20 13:02

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatle Organics by GC/MS - Westborough Lab for sample(s): 12 Batch: WG1430359-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	160	19.
Hexachlorobenzene	ND		ug/kg	98	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
1,2-Dichlorobenzene	ND		ug/kg	160	29.
1,3-Dichlorobenzene	ND		ug/kg	160	28.
1,4-Dichlorobenzene	ND		ug/kg	160	28.
3,3'-Dichlorobenzidine	ND		ug/kg	160	43.
2,4-Dinitrotoluene	ND		ug/kg	160	33.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	98	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	17.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	470	150
Hexachloroethane	ND		ug/kg	130	26.
Isophorone	ND		ug/kg	150	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	18.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	25.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	56.
Butyl benzyl phthalate	ND		ug/kg	160	41.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	56.
Diethyl phthalate	ND		ug/kg	160	15.



**Project Name:** 266-270 WEST 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2048123  
**Report Date:** 11/09/20

**Method Blank Analysis  
 Batch Quality Control**

Analytical Method: 1,8270D  
 Analytical Date: 11/05/20 08:23  
 Analyst: IM

Extraction Method: EPA 3546  
 Extraction Date: 11/04/20 13:02

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 12 Batch: WG1430359-1					
Dimethyl phthalate	ND		ug/kg	160	34.
Benzo(a)anthracene	ND		ug/kg	98	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	98	28.
Benzo(k)fluoranthene	ND		ug/kg	98	26.
Chrysene	ND		ug/kg	98	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	98	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	98	20.
Dibenzo(a,h)anthracene	ND		ug/kg	98	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	98	16.
Biphenyl	ND		ug/kg	370	38.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	32.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	68.
Dibenzofuran	ND		ug/kg	160	15.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	98	31.
p-Chloro-m-cresol	ND		ug/kg	160	24.
2-Chlorophenol	ND		ug/kg	160	19.
2,4-Dichlorophenol	ND		ug/kg	150	26.
2,4-Dimethylphenol	ND		ug/kg	160	54.
2-Nitrophenol	ND		ug/kg	350	61.

**Project Name:** 266-270 WEST 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2048123  
**Report Date:** 11/09/20

**Method Blank Analysis  
 Batch Quality Control**

Analytical Method: 1,8270D  
 Analytical Date: 11/05/20 08:23  
 Analyst: IM

Extraction Method: EPA 3546  
 Extraction Date: 11/04/20 13:02

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 12 Batch: WG1430359-1					
4-Nitrophenol	ND		ug/kg	230	67.
2,4-Dinitrophenol	ND		ug/kg	780	76.
4,6-Dinitro-o-cresol	ND		ug/kg	420	78.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	160	25.
2-Methylphenol	ND		ug/kg	160	25.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.
2,4,5-Trichlorophenol	ND		ug/kg	160	31.
Benzoic Acid	ND		ug/kg	530	160
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	16.
1,4-Dioxane	ND		ug/kg	24	7.5

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	85		25-120
Phenol-d6	80		10-120
Nitrobenzene-d5	76		23-120
2-Fluorobiphenyl	84		30-120
2,4,6-Tribromophenol	107		10-136
4-Terphenyl-d14	100		18-120

**Project Name:** 266-270 WEST 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2048123  
**Report Date:** 11/09/20

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8270D  
Analytical Date: 11/06/20 21:37  
Analyst: EK

Extraction Method: EPA 3546  
Extraction Date: 11/06/20 11:59

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatle Organics by GC/MS - Westborough Lab for sample(s): 04 Batch: WG1431331-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	170	19.
Hexachlorobenzene	ND		ug/kg	100	19.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	170	16.
1,2-Dichlorobenzene	ND		ug/kg	170	30.
1,3-Dichlorobenzene	ND		ug/kg	170	28.
1,4-Dichlorobenzene	ND		ug/kg	170	29.
3,3'-Dichlorobenzidine	ND		ug/kg	170	44.
2,4-Dinitrotoluene	ND		ug/kg	170	33.
2,6-Dinitrotoluene	ND		ug/kg	170	28.
Fluoranthene	ND		ug/kg	100	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	170	18.
4-Bromophenyl phenyl ether	ND		ug/kg	170	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	17.
Hexachlorobutadiene	ND		ug/kg	170	24.
Hexachlorocyclopentadiene	ND		ug/kg	480	150
Hexachloroethane	ND		ug/kg	130	27.
Isophorone	ND		ug/kg	150	22.
Naphthalene	ND		ug/kg	170	20.
Nitrobenzene	ND		ug/kg	150	25.
NDPA/DPA	ND		ug/kg	130	19.
n-Nitrosodi-n-propylamine	ND		ug/kg	170	26.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	170	58.
Butyl benzyl phthalate	ND		ug/kg	170	42.
Di-n-butylphthalate	ND		ug/kg	170	32.
Di-n-octylphthalate	ND		ug/kg	170	56.
Diethyl phthalate	ND		ug/kg	170	15.

**Project Name:** 266-270 WEST 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2048123  
**Report Date:** 11/09/20

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 1,8270D  
Analytical Date: 11/06/20 21:37  
Analyst: EK

Extraction Method: EPA 3546  
Extraction Date: 11/06/20 11:59

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 04 Batch: WG1431331-1					
Dimethyl phthalate	ND		ug/kg	170	35.
Benzo(a)anthracene	ND		ug/kg	100	19.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	100	28.
Benzo(k)fluoranthene	ND		ug/kg	100	27.
Chrysene	ND		ug/kg	100	17.
Acenaphthylene	ND		ug/kg	130	26.
Anthracene	ND		ug/kg	100	32.
Benzo(ghi)perylene	ND		ug/kg	130	20.
Fluorene	ND		ug/kg	170	16.
Phenanthrene	ND		ug/kg	100	20.
Dibenzo(a,h)anthracene	ND		ug/kg	100	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	100	16.
Biphenyl	ND		ug/kg	380	38.
4-Chloroaniline	ND		ug/kg	170	30.
2-Nitroaniline	ND		ug/kg	170	32.
3-Nitroaniline	ND		ug/kg	170	31.
4-Nitroaniline	ND		ug/kg	170	69.
Dibenzofuran	ND		ug/kg	170	16.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	17.
Acetophenone	ND		ug/kg	170	20.
2,4,6-Trichlorophenol	ND		ug/kg	100	32.
p-Chloro-m-cresol	ND		ug/kg	170	25.
2-Chlorophenol	ND		ug/kg	170	20.
2,4-Dichlorophenol	ND		ug/kg	150	27.
2,4-Dimethylphenol	ND		ug/kg	170	55.
2-Nitrophenol	ND		ug/kg	360	62.

**Project Name:** 266-270 WEST 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2048123  
**Report Date:** 11/09/20

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 1,8270D  
Analytical Date: 11/06/20 21:37  
Analyst: EK

Extraction Method: EPA 3546  
Extraction Date: 11/06/20 11:59

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatiles Organics by GC/MS - Westborough Lab for sample(s): 04 Batch: WG1431331-1					
4-Nitrophenol	ND		ug/kg	230	68.
2,4-Dinitrophenol	ND		ug/kg	800	77.
4,6-Dinitro-o-cresol	ND		ug/kg	430	80.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	170	25.
2-Methylphenol	ND		ug/kg	170	26.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.
2,4,5-Trichlorophenol	ND		ug/kg	170	32.
Benzoic Acid	ND		ug/kg	540	170
Benzyl Alcohol	ND		ug/kg	170	51.
Carbazole	ND		ug/kg	170	16.
1,4-Dioxane	ND		ug/kg	25	7.6

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	69		25-120
Phenol-d6	69		10-120
Nitrobenzene-d5	67		23-120
2-Fluorobiphenyl	61		30-120
2,4,6-Tribromophenol	57		10-136
4-Terphenyl-d14	61		18-120

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 266-270 WEST 96TH STREET

Lab Number: L2048123

Project Number: 170432001

Report Date: 11/09/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-11 Batch: WG1430307-2 WG1430307-3								
Acenaphthene	82		90		31-137	9		50
1,2,4-Trichlorobenzene	65		75		38-107	14		50
Hexachlorobenzene	65		69		40-140	6		50
Bis(2-chloroethyl)ether	71		79		40-140	11		50
2-Chloronaphthalene	71		78		40-140	9		50
1,2-Dichlorobenzene	68		74		40-140	8		50
1,3-Dichlorobenzene	66		71		40-140	7		50
1,4-Dichlorobenzene	66		72		28-104	9		50
3,3'-Dichlorobenzidine	74		80		40-140	8		50
2,4-Dinitrotoluene	80		87		40-132	8		50
2,6-Dinitrotoluene	74		81		40-140	9		50
Fluoranthene	75		83		40-140	10		50
4-Chlorophenyl phenyl ether	70		78		40-140	11		50
4-Bromophenyl phenyl ether	66		73		40-140	10		50
Bis(2-chloroisopropyl)ether	64		73		40-140	13		50
Bis(2-chloroethoxy)methane	71		81		40-117	13		50
Hexachlorobutadiene	59		66		40-140	11		50
Hexachlorocyclopentadiene	50		60		40-140	18		50
Hexachloroethane	65		71		40-140	9		50
Isophorone	72		81		40-140	12		50
Naphthalene	71		78		40-140	9		50
Nitrobenzene	73		82		40-140	12		50
NDPA/DPA	73		79		36-157	8		50

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 266-270 WEST 96TH STREET

**Lab Number:** L2048123

**Project Number:** 170432001

**Report Date:** 11/09/20

Parameter	LCS		LCSD		%Recovery Limits	RPD	RPD	
	%Recovery	Qual	%Recovery	Qual			Qual	Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-11 Batch: WG1430307-2 WG1430307-3								
n-Nitrosodi-n-propylamine	75		81		32-121	8		50
Bis(2-ethylhexyl)phthalate	80		92		40-140	14		50
Butyl benzyl phthalate	80		88		40-140	10		50
Di-n-butylphthalate	78		89		40-140	13		50
Di-n-octylphthalate	82		93		40-140	13		50
Diethyl phthalate	73		81		40-140	10		50
Dimethyl phthalate	75		82		40-140	9		50
Benzo(a)anthracene	82		88		40-140	7		50
Benzo(a)pyrene	90		93		40-140	3		50
Benzo(b)fluoranthene	91		94		40-140	3		50
Benzo(k)fluoranthene	86		88		40-140	2		50
Chrysene	80		87		40-140	8		50
Acenaphthylene	77		85		40-140	10		50
Anthracene	84		90		40-140	7		50
Benzo(ghi)perylene	89		97		40-140	9		50
Fluorene	74		83		40-140	11		50
Phenanthrene	81		88		40-140	8		50
Dibenzo(a,h)anthracene	87		94		40-140	8		50
Indeno(1,2,3-cd)pyrene	90		98		40-140	9		50
Pyrene	78		85		35-142	9		50
Biphenyl	77		85		37-127	10		50
4-Chloroaniline	67		77		40-140	14		50
2-Nitroaniline	79		90		47-134	13		50

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 266-270 WEST 96TH STREET

Lab Number: L2048123

Project Number: 170432001

Report Date: 11/09/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-11 Batch: WG1430307-2 WG1430307-3								
3-Nitroaniline	74		78		26-129	5		50
4-Nitroaniline	83		90		41-125	8		50
Dibenzofuran	77		84		40-140	9		50
2-Methylnaphthalene	74		82		40-140	10		50
1,2,4,5-Tetrachlorobenzene	64		72		40-117	12		50
Acetophenone	78		86		14-144	10		50
2,4,6-Trichlorophenol	68		75		30-130	10		50
p-Chloro-m-cresol	77		87		26-103	12		50
2-Chlorophenol	75		84		25-102	11		50
2,4-Dichlorophenol	80		88		30-130	10		50
2,4-Dimethylphenol	85		94		30-130	10		50
2-Nitrophenol	77		86		30-130	11		50
4-Nitrophenol	87		93		11-114	7		50
2,4-Dinitrophenol	68		74		4-130	8		50
4,6-Dinitro-o-cresol	66		76		10-130	14		50
Pentachlorophenol	64		70		17-109	9		50
Phenol	73		81		26-90	10		50
2-Methylphenol	78		86		30-130.	10		50
3-Methylphenol/4-Methylphenol	79		87		30-130	10		50
2,4,5-Trichlorophenol	70		79		30-130	12		50
Benzoic Acid	69		78		10-110	12		50
Benzyl Alcohol	83		91		40-140	9		50
Carbazole	87		92		54-128	6		50



### Lab Control Sample Analysis Batch Quality Control

**Project Name:** 266-270 WEST 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2048123  
**Report Date:** 11/09/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-11 Batch: WG1430307-2 WG1430307-3								
1,4-Dioxane	48		51		40-140	6		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	80		86		25-120
Phenol-d6	81		88		10-120
Nitrobenzene-d5	75		82		23-120
2-Fluorobiphenyl	71		79		30-120
2,4,6-Tribromophenol	69		74		10-136
4-Terphenyl-d14	72		77		18-120

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 266-270 WEST 96TH STREET

Lab Number: L2048123

Project Number: 170432001

Report Date: 11/09/20

Parameter	LCS %Recovery	Qual	LCS %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 12 Batch: WG1430359-2 WG1430359-3								
Acenaphthene	70		77		31-137	10		50
1,2,4-Trichlorobenzene	67		74		38-107	10		50
Hexachlorobenzene	88		99		40-140	12		50
Bis(2-chloroethyl)ether	61		68		40-140	11		50
2-Chloronaphthalene	70		77		40-140	10		50
1,2-Dichlorobenzene	63		71		40-140	12		50
1,3-Dichlorobenzene	64		70		40-140	9		50
1,4-Dichlorobenzene	63		71		28-104	12		50
3,3'-Dichlorobenzidine	74		78		40-140	5		50
2,4-Dinitrotoluene	71		80		40-132	12		50
2,6-Dinitrotoluene	74		82		40-140	10		50
Fluoranthene	72		77		40-140	7		50
4-Chlorophenyl phenyl ether	72		80		40-140	11		50
4-Bromophenyl phenyl ether	80		90		40-140	12		50
Bis(2-chloroisopropyl)ether	58		61		40-140	5		50
Bis(2-chloroethoxy)methane	68		74		40-117	8		50
Hexachlorobutadiene	75		83		40-140	10		50
Hexachlorocyclopentadiene	41		48		40-140	16		50
Hexachloroethane	64		70		40-140	9		50
Isophorone	68		70		40-140	3		50
Naphthalene	69		76		40-140	10		50
Nitrobenzene	64		68		40-140	6		50
NDPA/DPA	70		78		36-157	11		50

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 266-270 WEST 96TH STREET

**Lab Number:** L2048123

**Project Number:** 170432001

**Report Date:** 11/09/20

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 12 Batch: WG1430359-2 WG1430359-3								
n-Nitrosodi-n-propylamine	68		70		32-121	3		50
Bis(2-ethylhexyl)phthalate	81		88		40-140	8		50
Butyl benzyl phthalate	79		82		40-140	4		50
Di-n-butylphthalate	80		86		40-140	7		50
Di-n-octylphthalate	80		84		40-140	5		50
Diethyl phthalate	71		80		40-140	12		50
Dimethyl phthalate	73		79		40-140	8		50
Benzo(a)anthracene	72		77		40-140	7		50
Benzo(a)pyrene	74		77		40-140	4		50
Benzo(b)fluoranthene	73		76		40-140	4		50
Benzo(k)fluoranthene	76		82		40-140	8		50
Chrysene	70		74		40-140	6		50
Acenaphthylene	79		84		40-140	6		50
Anthracene	74		80		40-140	8		50
Benzo(ghi)perylene	74		82		40-140	10		50
Fluorene	70		77		40-140	10		50
Phenanthrene	71		76		40-140	7		50
Dibenzo(a,h)anthracene	77		83		40-140	8		50
Indeno(1,2,3-cd)pyrene	71		84		40-140	17		50
Pyrene	75		79		35-142	5		50
Biphenyl	77		82		37-127	6		50
4-Chloroaniline	62		66		40-140	6		50
2-Nitroaniline	76		81		47-134	6		50

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 266-270 WEST 96TH STREET

Lab Number: L2048123

Project Number: 170432001

Report Date: 11/09/20

Parameter	LCS %Recovery	Qual	LCS %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 12 Batch: WG1430359-2 WG1430359-3								
3-Nitroaniline	62		66		26-129	6		50
4-Nitroaniline	64		71		41-125	10		50
Dibenzofuran	71		77		40-140	8		50
2-Methylnaphthalene	70		75		40-140	7		50
1,2,4,5-Tetrachlorobenzene	88		96		40-117	9		50
Acetophenone	68		72		14-144	6		50
2,4,6-Trichlorophenol	79		85		30-130	7		50
p-Chloro-m-cresol	72		77		26-103	7		50
2-Chlorophenol	69		78		25-102	12		50
2,4-Dichlorophenol	75		84		30-130	11		50
2,4-Dimethylphenol	73		80		30-130	9		50
2-Nitrophenol	73		78		30-130	7		50
4-Nitrophenol	56		59		11-114	5		50
2,4-Dinitrophenol	67		72		4-130	7		50
4,6-Dinitro-o-cresol	71		79		10-130	11		50
Pentachlorophenol	63		72		17-109	13		50
Phenol	60		67		26-90	11		50
2-Methylphenol	71		76		30-130.	7		50
3-Methylphenol/4-Methylphenol	76		78		30-130	3		50
2,4,5-Trichlorophenol	78		84		30-130	7		50
Benzoic Acid	78		78		10-110	0		50
Benzyl Alcohol	68		75		40-140	10		50
Carbazole	74		78		54-128	5		50

### Lab Control Sample Analysis Batch Quality Control

**Project Name:** 266-270 WEST 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2048123  
**Report Date:** 11/09/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 12 Batch: WG1430359-2 WG1430359-3								
1,4-Dioxane	42		44		40-140	5		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	72		81		25-120
Phenol-d6	67		74		10-120
Nitrobenzene-d5	67		69		23-120
2-Fluorobiphenyl	75		81		30-120
2,4,6-Tribromophenol	95		106		10-136
4-Terphenyl-d14	85		89		18-120

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 266-270 WEST 96TH STREET

**Lab Number:** L2048123

**Project Number:** 170432001

**Report Date:** 11/09/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 04 Batch: WG1431331-2 WG1431331-3								
Acenaphthene	65		63		31-137	3		50
1,2,4-Trichlorobenzene	59		60		38-107	2		50
Hexachlorobenzene	55		52		40-140	6		50
Bis(2-chloroethyl)ether	65		65		40-140	0		50
2-Chloronaphthalene	61		59		40-140	3		50
1,2-Dichlorobenzene	60		61		40-140	2		50
1,3-Dichlorobenzene	60		60		40-140	0		50
1,4-Dichlorobenzene	59		59		28-104	0		50
3,3'-Dichlorobenzidine	64		70		40-140	9		50
2,4-Dinitrotoluene	66		63		40-132	5		50
2,6-Dinitrotoluene	64		60		40-140	6		50
Fluoranthene	60		60		40-140	0		50
4-Chlorophenyl phenyl ether	60		58		40-140	3		50
4-Bromophenyl phenyl ether	57		54		40-140	5		50
Bis(2-chloroisopropyl)ether	62		62		40-140	0		50
Bis(2-chloroethoxy)methane	65		64		40-117	2		50
Hexachlorobutadiene	53		52		40-140	2		50
Hexachlorocyclopentadiene	50		48		40-140	4		50
Hexachloroethane	62		61		40-140	2		50
Isophorone	62		62		40-140	0		50
Naphthalene	60		59		40-140	2		50
Nitrobenzene	65		65		40-140	0		50
NDPA/DPA	60		58		36-157	3		50

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 266-270 WEST 96TH STREET

Lab Number: L2048123

Project Number: 170432001

Report Date: 11/09/20

Parameter	LCS %Recovery	Qual	LCS %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 04 Batch: WG1431331-2 WG1431331-3								
n-Nitrosodi-n-propylamine	67		66		32-121	2		50
Bis(2-ethylhexyl)phthalate	82		78		40-140	5		50
Butyl benzyl phthalate	70		68		40-140	3		50
Di-n-butylphthalate	73		70		40-140	4		50
Di-n-octylphthalate	80		78		40-140	3		50
Diethyl phthalate	65		63		40-140	3		50
Dimethyl phthalate	63		59		40-140	7		50
Benzo(a)anthracene	67		66		40-140	2		50
Benzo(a)pyrene	74		74		40-140	0		50
Benzo(b)fluoranthene	69		69		40-140	0		50
Benzo(k)fluoranthene	68		67		40-140	1		50
Chrysene	66		64		40-140	3		50
Acenaphthylene	63		61		40-140	3		50
Anthracene	67		67		40-140	0		50
Benzo(ghi)perylene	70		70		40-140	0		50
Fluorene	63		60		40-140	5		50
Phenanthrene	65		65		40-140	0		50
Dibenzo(a,h)anthracene	70		70		40-140	0		50
Indeno(1,2,3-cd)pyrene	71		71		40-140	0		50
Pyrene	61		60		35-142	2		50
Biphenyl	67		64		37-127	5		50
4-Chloroaniline	62		66		40-140	6		50
2-Nitroaniline	68		67		47-134	1		50

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 266-270 WEST 96TH STREET

Lab Number: L2048123

Project Number: 170432001

Report Date: 11/09/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 04 Batch: WG1431331-2 WG1431331-3								
3-Nitroaniline	62		67		26-129	8		50
4-Nitroaniline	68		67		41-125	1		50
Dibenzofuran	64		62		40-140	3		50
2-Methylnaphthalene	63		62		40-140	2		50
1,2,4,5-Tetrachlorobenzene	56		54		40-117	4		50
Acetophenone	68		68		14-144	0		50
2,4,6-Trichlorophenol	59		57		30-130	3		50
p-Chloro-m-cresol	66		66		26-103	0		50
2-Chlorophenol	65		66		25-102	2		50
2,4-Dichlorophenol	68		68		30-130	0		50
2,4-Dimethylphenol	74		74		30-130	0		50
2-Nitrophenol	66		66		30-130	0		50
4-Nitrophenol	72		70		11-114	3		50
2,4-Dinitrophenol	54		50		4-130	8		50
4,6-Dinitro-o-cresol	55		52		10-130	6		50
Pentachlorophenol	55		55		17-109	0		50
Phenol	62		63		26-90	2		50
2-Methylphenol	66		68		30-130.	3		50
3-Methylphenol/4-Methylphenol	66		69		30-130	4		50
2,4,5-Trichlorophenol	60		57		30-130	5		50
Benzoic Acid	51		50		10-110	2		50
Benzyl Alcohol	73		72		40-140	1		50
Carbazole	68		69		54-128	1		50



## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 266-270 WEST 96TH STREET

Project Number: 170432001

Lab Number: L2048123

Report Date: 11/09/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 04 Batch: WG1431331-2 WG1431331-3								
1,4-Dioxane	43		44		40-140	2		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	69		69		25-120
Phenol-d6	67		69		10-120
Nitrobenzene-d5	67		67		23-120
2-Fluorobiphenyl	61		60		30-120
2,4,6-Tribromophenol	59		58		10-136
4-Terphenyl-d14	59		58		18-120

# **INORGANICS & MISCELLANEOUS**

**Project Name:** 266-270 WEST 96TH STREET**Lab Number:** L2048123**Project Number:** 170432001**Report Date:** 11/09/20**SAMPLE RESULTS**

Lab ID: L2048123-01

Date Collected: 11/03/20 13:10

Client ID: SB18\_0-1.5

Date Received: 11/03/20

Sample Location: NEW YORK, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	88.1		%	0.100	NA	1	-	11/04/20 09:43	121,2540G	RI



**Project Name:** 266-270 WEST 96TH STREET**Lab Number:** L2048123**Project Number:** 170432001**Report Date:** 11/09/20**SAMPLE RESULTS**

Lab ID: L2048123-02

Date Collected: 11/03/20 12:45

Client ID: SB18\_7-8

Date Received: 11/03/20

Sample Location: NEW YORK, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	84.3		%	0.100	NA	1	-	11/04/20 09:43	121,2540G	RI



**Project Name:** 266-270 WEST 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2048123  
**Report Date:** 11/09/20

**SAMPLE RESULTS**

Lab ID: L2048123-03  
 Client ID: SB18\_8-9  
 Sample Location: NEW YORK, NY

Date Collected: 11/03/20 13:00  
 Date Received: 11/03/20  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	86.5		%	0.100	NA	1	-	11/04/20 09:43	121,2540G	RI



**Project Name:** 266-270 WEST 96TH STREET**Lab Number:** L2048123**Project Number:** 170432001**Report Date:** 11/09/20**SAMPLE RESULTS**

Lab ID: L2048123-04

Date Collected: 11/03/20 08:30

Client ID: SB19\_4-5

Date Received: 11/03/20

Sample Location: NEW YORK, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	78.3		%	0.100	NA	1	-	11/04/20 09:43	121,2540G	RI



**Project Name:** 266-270 WEST 96TH STREET**Lab Number:** L2048123**Project Number:** 170432001**Report Date:** 11/09/20**SAMPLE RESULTS**

Lab ID: L2048123-05

Date Collected: 11/03/20 08:00

Client ID: SB19\_5-6

Date Received: 11/03/20

Sample Location: NEW YORK, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	74.4		%	0.100	NA	1	-	11/04/20 09:43	121,2540G	RI



**Project Name:** 266-270 WEST 96TH STREET**Lab Number:** L2048123**Project Number:** 170432001**Report Date:** 11/09/20**SAMPLE RESULTS**

Lab ID: L2048123-06

Date Collected: 11/03/20 08:15

Client ID: SB19\_7-8

Date Received: 11/03/20

Sample Location: NEW YORK, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	82.9		%	0.100	NA	1	-	11/04/20 09:43	121,2540G	RI





**Project Name:** 266-270 WEST 96TH STREET**Lab Number:** L2048123**Project Number:** 170432001**Report Date:** 11/09/20**SAMPLE RESULTS**

Lab ID: L2048123-07

Date Collected: 11/03/20 10:00

Client ID: SB20\_1.5-2.5

Date Received: 11/03/20

Sample Location: NEW YORK, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	84.5		%	0.100	NA	1	-	11/04/20 09:43	121,2540G	RI



**Project Name:** 266-270 WEST 96TH STREET**Lab Number:** L2048123**Project Number:** 170432001**Report Date:** 11/09/20**SAMPLE RESULTS**

Lab ID: L2048123-08

Date Collected: 11/03/20 10:15

Client ID: SB20\_2.5-5

Date Received: 11/03/20

Sample Location: NEW YORK, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	84.0		%	0.100	NA	1	-	11/04/20 09:43	121,2540G	RI



**Project Name:** 266-270 WEST 96TH STREET**Lab Number:** L2048123**Project Number:** 170432001**Report Date:** 11/09/20**SAMPLE RESULTS**

Lab ID: L2048123-09

Date Collected: 11/03/20 10:30

Client ID: SB20\_5.5-6

Date Received: 11/03/20

Sample Location: NEW YORK, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	90.3		%	0.100	NA	1	-	11/04/20 09:43	121,2540G	RI



**Project Name:** 266-270 WEST 96TH STREET**Lab Number:** L2048123**Project Number:** 170432001**Report Date:** 11/09/20**SAMPLE RESULTS**

Lab ID: L2048123-10

Date Collected: 11/03/20 11:50

Client ID: SB21\_1-2

Date Received: 11/03/20

Sample Location: NEW YORK, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	85.3		%	0.100	NA	1	-	11/04/20 09:43	121,2540G	RI



**Project Name:** 266-270 WEST 96TH STREET**Lab Number:** L2048123**Project Number:** 170432001**Report Date:** 11/09/20**SAMPLE RESULTS**

Lab ID: L2048123-11

Date Collected: 11/03/20 11:15

Client ID: SB21\_4.5-5.5

Date Received: 11/03/20

Sample Location: NEW YORK, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	81.4		%	0.100	NA	1	-	11/04/20 09:43	121,2540G	RI



**Project Name:** 266-270 WEST 96TH STREET**Lab Number:** L2048123**Project Number:** 170432001**Report Date:** 11/09/20**SAMPLE RESULTS**

Lab ID: L2048123-12

Date Collected: 11/03/20 11:45

Client ID: SB21\_7-8

Date Received: 11/03/20

Sample Location: NEW YORK, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	85.3		%	0.100	NA	1	-	11/04/20 09:43	121,2540G	RI



## Lab Duplicate Analysis

*Batch Quality Control*

**Project Name:** 266-270 WEST 96TH STREET

**Project Number:** 170432001

**Lab Number:** L2048123

**Report Date:** 11/09/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-12 QC Batch ID: WG1430182-1 QC Sample: L2048073-02 Client ID: DUP Sample						
Solids, Total	77.9	79.2	%	2		20

**Project Name:** 266-270 WEST 96TH STREET**Lab Number:** L2048123**Project Number:** 170432001**Report Date:** 11/09/20**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

**Cooler Information**

<b>Cooler</b>	<b>Custody Seal</b>
B	Absent

**Container Information**

<b>Container ID</b>	<b>Container Type</b>	<b>Cooler</b>	<b>Initial pH</b>	<b>Final pH</b>	<b>Temp deg C</b>	<b>Pres</b>	<b>Seal</b>	<b>Frozen Date/Time</b>	<b>Analysis(*)</b>
L2048123-01A	Glass 120ml/4oz unpreserved	B	NA		3.1	Y	Absent		NYTCL-8270(14),TS(7)
L2048123-02A	Glass 120ml/4oz unpreserved	B	NA		3.1	Y	Absent		NYTCL-8270(14),TS(7)
L2048123-03A	Glass 120ml/4oz unpreserved	B	NA		3.1	Y	Absent		NYTCL-8270(14),TS(7)
L2048123-04A	Glass 120ml/4oz unpreserved	B	NA		3.1	Y	Absent		NYTCL-8270(14),TS(7)
L2048123-05A	Glass 120ml/4oz unpreserved	B	NA		3.1	Y	Absent		NYTCL-8270(14),TS(7)
L2048123-06A	Glass 120ml/4oz unpreserved	B	NA		3.1	Y	Absent		NYTCL-8270(14),TS(7)
L2048123-07A	Glass 120ml/4oz unpreserved	B	NA		3.1	Y	Absent		NYTCL-8270(14),TS(7)
L2048123-08A	Glass 120ml/4oz unpreserved	B	NA		3.1	Y	Absent		NYTCL-8270(14),TS(7)
L2048123-09A	Glass 120ml/4oz unpreserved	B	NA		3.1	Y	Absent		NYTCL-8270(14),TS(7)
L2048123-10A	Vial Large Septa unpreserved (4oz)	B	NA		3.1	Y	Absent		NYTCL-8270(14),TS(7)
L2048123-11A	Vial Large Septa unpreserved (4oz)	B	NA		3.1	Y	Absent		NYTCL-8270(14),TS(7)
L2048123-12A	Glass 120ml/4oz unpreserved	B	NA		3.1	Y	Absent		NYTCL-8270(14),TS(7)

**Container Comments**

L2048123-10A Cap cracked, sample intact.

L2048123-11A Cap cracked, sample intact.



**Project Name:** 266-270 WEST 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2048123  
**Report Date:** 11/09/20

## GLOSSARY

### Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)  Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers



**Project Name:** 266-270 WEST 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2048123  
**Report Date:** 11/09/20

#### Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

#### Terms

**Analytical Method:** Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

**Difference:** With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

**Final pH:** As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

**Frozen Date/Time:** With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

**Initial pH:** As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

**PAH Total:** With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

**PFAS Total:** With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

**Total:** With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

#### Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where

Report Format: DU Report with 'J' Qualifiers



**Project Name:** 266-270 WEST 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2048123  
**Report Date:** 11/09/20

**Data Qualifiers**

the identification is based on a mass spectral library search.

- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.

**Project Name:** 266-270 WEST 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2048123  
**Report Date:** 11/09/20

## REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.
- 121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

## LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



## Certification Information

---

The following analytes are not included in our Primary NELAP Scope of Accreditation:

### Westborough Facility

**EPA 624/624.1:** m/p-xylene, o-xylene, Naphthalene

**EPA 8260C:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.

**EPA 8270D:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.

**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO<sub>2</sub>, NO<sub>3</sub>.

### Mansfield Facility

**SM 2540D:** TSS

**EPA 8082A:** NPW: PCB: 1, 5, 31, 87, 101, 110, 141, 151, 153, 180, 183, 187.

**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

**EPA TO-12** Non-methane organics

**EPA 3C** Fixed gases

**Biological Tissue Matrix:** EPA 3050B

---

The following analytes are included in our Massachusetts DEP Scope of Accreditation

### Westborough Facility:

#### Drinking Water

**EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,**

**EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**

**EPA 332:** Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.

**Microbiology:** **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.**

#### Non-Potable Water

**SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:** Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.

**EPA 624.1:** Volatile Halocarbons & Aromatics,

**EPA 608.3:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

**EPA 625.1:** SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.

**Microbiology:** **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.**

### Mansfield Facility:

#### Drinking Water

**EPA 200.7:** Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.

**EPA 522.**

#### Non-Potable Water

**EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.

**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.

**EPA 245.1** Hg.


**SM2340B**

---

For a complete listing of analytes and methods, please contact your Alpha Project Manager.



# RI SAMPLES

 <p><b>NEW YORK CHAIN OF CUSTODY</b></p> <p>Westborough, MA 01581 8 Walkup Dr. TEL: 508-898-9220 FAX: 508-898-9193</p> <p>Mansfield, MA 02048 320 Forbes Blvd TEL: 508-822-9300 FAX: 508-822-3288</p>	<p><b>Service Centers</b> Mahwah, NJ 07430: 35 Whitney Rd, Suite 5 Albany, NY 12205: 14 Walker Way Tonawanda, NY 14150: 275 Cooper Ave, Suite 105</p>	<p>Page</p> <p>1 of 2</p>	<p>Date Rec'd in Lab</p> <p style="font-size: 24px;">11/4/20</p>	<p>ALPHA Job #</p> <p style="font-size: 24px;">L 2048123</p>																																																																																																																																																								
	<p><b>Project Information</b></p> <p>Project Name: <u>266-270 West 96th Street</u></p> <p>Project Location: <u>New York, NY</u></p> <p>Project # <u>170432001</u></p> <p>(Use Project name as Project #) <input type="checkbox"/></p> <p>Project Manager: <u>KIMBERLY SEMON</u></p> <p>ALPHAQuote #:</p> <p>Turn-Around Time</p> <p>Standard <input checked="" type="checkbox"/> Rush (only if pre approved) <input type="checkbox"/> Due Date: # of Days:</p>		<p><b>Deliverables</b></p> <p><input type="checkbox"/> ASP-A <input type="checkbox"/> ASP-B</p> <p><input type="checkbox"/> EQUIS (1 File) <input type="checkbox"/> EQUIS (4 File)</p> <p><input type="checkbox"/> Other</p>		<p><b>Billing Information</b></p> <p><input type="checkbox"/> Same as Client Info</p> <p>PO #</p>																																																																																																																																																							
<p><b>Client Information</b></p> <p>Client: <u>LANGAN IDPC</u></p> <p>Address:</p> <p>Phone:</p> <p>Fax:</p> <p>Email: <u>K.Semon@langan.com</u></p>		<p><b>Regulatory Requirement</b></p> <p><input type="checkbox"/> NY TOGS <input type="checkbox"/> NY Part 375</p> <p><input type="checkbox"/> AWQ Standards <input type="checkbox"/> NY CP-51</p> <p><input type="checkbox"/> NY Restricted Use <input checked="" type="checkbox"/> Other <u>TCL</u></p> <p><input type="checkbox"/> NY Unrestricted Use</p> <p><input type="checkbox"/> NYC Sewer Discharge</p>		<p><b>Disposal Site Information</b></p> <p>Please identify below location of applicable disposal facilities.</p> <p>Disposal Facility:</p> <p><input type="checkbox"/> NJ <input type="checkbox"/> NY</p> <p><input type="checkbox"/> Other:</p>																																																																																																																																																								
<p>These samples have been previously analyzed by Alpha <input type="checkbox"/></p> <p><b>Other project specific requirements/comments:</b></p> <p><u>Please email jyanowitz@langan.com</u></p> <p><b>Please specify Metals or TAL.</b></p>			<p><b>ANALYSIS</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th rowspan="2">ALPHA Lab ID (Lab Use Only)</th> <th rowspan="2">Sample ID</th> <th colspan="2">Collection</th> <th rowspan="2">Sample Matrix</th> <th rowspan="2">Sampler's Initials</th> <th rowspan="2">TCL/Part 375</th> <th rowspan="2">NY Part 375</th> <th rowspan="2">AWQ</th> <th rowspan="2">Other</th> <th rowspan="2">TCL</th> <th rowspan="2">Sewer</th> <th rowspan="2">Preservation</th> <th rowspan="2">Sample Specific Comments</th> <th rowspan="2">Total Bottles</th> </tr> <tr> <th>Date</th> <th>Time</th> </tr> <tr> <td>48123 - 01</td> <td>SB18-0-1-S</td> <td>11/03/20</td> <td>1310</td> <td>S</td> <td>MA</td> <td>&lt;</td> <td>&lt;</td> <td></td> <td></td> <td>&lt;</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>-02</td> <td>SB18-7-8</td> <td></td> <td>1245</td> <td></td> <td></td> <td>&lt;</td> <td></td> <td></td> <td></td> <td>&lt;</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>-03</td> <td>SB18-8-9</td> <td></td> <td>1300</td> <td></td> <td></td> <td>&lt;</td> <td></td> <td></td> <td></td> <td>&lt;</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>-04</td> <td>SB19-4-5</td> <td></td> <td>0830</td> <td></td> <td></td> <td>&lt;</td> <td></td> <td></td> <td></td> <td>&lt;</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>-05</td> <td>SB19-5-6</td> <td></td> <td>0800</td> <td></td> <td></td> <td>&lt;</td> <td></td> <td></td> <td></td> <td>&lt;</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>-06</td> <td>SB19-7-8</td> <td></td> <td>0815</td> <td></td> <td></td> <td>&lt;</td> <td></td> <td></td> <td></td> <td>&lt;</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>-07</td> <td>SB20-1.5-2.5</td> <td></td> <td>1000</td> <td></td> <td></td> <td>&lt;</td> <td></td> <td></td> <td></td> <td>&lt;</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>-08</td> <td>SB20-2.5-5</td> <td></td> <td>1015</td> <td></td> <td></td> <td>&lt;</td> <td></td> <td></td> <td></td> <td>&lt;</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>-09</td> <td>SB20-5.5-6</td> <td></td> <td>1030</td> <td></td> <td></td> <td>&lt;</td> <td></td> <td></td> <td></td> <td>&lt;</td> <td></td> <td></td> <td></td> <td></td> </tr> </table>		ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials	TCL/Part 375	NY Part 375	AWQ	Other	TCL	Sewer	Preservation	Sample Specific Comments	Total Bottles	Date	Time	48123 - 01	SB18-0-1-S	11/03/20	1310	S	MA	<	<			<					-02	SB18-7-8		1245			<				<					-03	SB18-8-9		1300			<				<					-04	SB19-4-5		0830			<				<					-05	SB19-5-6		0800			<				<					-06	SB19-7-8		0815			<				<					-07	SB20-1.5-2.5		1000			<				<					-08	SB20-2.5-5		1015			<				<					-09	SB20-5.5-6		1030			<				<				
ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix			Sampler's Initials	TCL/Part 375												NY Part 375	AWQ	Other	TCL	Sewer	Preservation	Sample Specific Comments	Total Bottles																																																																																																																																	
		Date	Time																																																																																																																																																									
48123 - 01	SB18-0-1-S	11/03/20	1310	S	MA	<	<			<																																																																																																																																																		
-02	SB18-7-8		1245			<				<																																																																																																																																																		
-03	SB18-8-9		1300			<				<																																																																																																																																																		
-04	SB19-4-5		0830			<				<																																																																																																																																																		
-05	SB19-5-6		0800			<				<																																																																																																																																																		
-06	SB19-7-8		0815			<				<																																																																																																																																																		
-07	SB20-1.5-2.5		1000			<				<																																																																																																																																																		
-08	SB20-2.5-5		1015			<				<																																																																																																																																																		
-09	SB20-5.5-6		1030			<				<																																																																																																																																																		
<p>Preservative Code:</p> <p>A = None B = HCl C = HNO<sub>3</sub> D = H<sub>2</sub>SO<sub>4</sub> E = NaOH F = MeOH G = NaHSO<sub>4</sub> H = Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub> K/E = Zn Ac/NaOH O = Other</p>		<p>Container Code</p> <p>P = Plastic A = Amber Glass V = Vial G = Glass B = Bacteria Cup C = Cube O = Other E = Encore D = BOD Bottle</p>		<p>Westboro: Certification No: MA935 Mansfield: Certification No: MA015</p>		<p>Container Type</p> <p>Preservative</p>		<p>Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS &amp; CONDITIONS. (See reverse side.)</p>																																																																																																																																																				
		<p>Relinquished By:</p> <p><u>[Signature]</u></p>		<p>Date/Time</p> <p><u>11/3/20 1500</u></p>		<p>Received By:</p> <p><u>[Signature]</u></p>		<p>Date/Time</p> <p><u>11/3/20 1500</u></p>																																																																																																																																																				
		<p><u>[Signature]</u></p>		<p><u>11/3/20 1850</u></p>		<p><u>[Signature]</u></p>		<p><u>11/3/20 2000</u></p>																																																																																																																																																				
		<p><u>[Signature]</u></p>		<p><u>11/4/20 0805</u></p>		<p><u>[Signature]</u></p>		<p><u>11/4/20 0805</u></p>																																																																																																																																																				



RI SAMPLES

**ALPHA ANALYTICAL**

**NEW YORK CHAIN OF CUSTODY**

Westborough, MA 01581  
8 Walkup Dr.  
TEL: 508-898-9220  
FAX: 508-898-9193

Mansfield, MA 02048  
320 Forbes Blvd  
TEL: 508-822-9300  
FAX: 508-822-3288

**Service Centers**  
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5  
Albany, NY 12205: 14 Walker Way  
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page: 2 of 2

Date Rec'd in Lab: 11/4/20

ALPHA Job #: L 2048123

**Project Information**  
Project Name: 266-276 West 96th St  
Project Location: New York, NY  
Project #: 170432001

**Deliverables**  
 ASP-A  
 EQUiS (1 File)  
 Other  
 ASP-B  
 EQUiS (4 File)

**Billing Information**  
 Same as Client Info  
PO #

**Client Information**  
Client: LANGAN/DPC  
Address: [Redacted]  
Phone: [Redacted]  
Fax: [Redacted]  
Email: Ksenon@Law.com

(Use Project name as Project #)

Project Manager: KIMBERLY SENON  
ALPHAQuote #:  
Turn-Around Time:  
Standard  Rush (only if pre approved)

Due Date:  
# of Days:

**Regulatory Requirement**  
 NY TOGS  
 AWQ Standards  
 NY Restricted Use  
 NY Unrestricted Use  
 NYC Sewer Discharge

NY Part 375  
 NY CP-51  
 Other: TCL

**Disposal Site Information**  
Please identify below location of applicable disposal facilities.  
Disposal Facility:  
 NJ  
 NY  
 Other:

These samples have been previously analyzed by Alpha

**Other project specific requirements/comments:**  
Email jyanowitz@Qgreen.com

Please specify Metals or TAL.

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials	ANALYSIS	Sample Filtration		Sample Specific Comments
		Date	Time				Done	Preservation	
48123-10	SB21-1-2	11/03/2020	1150	MA	MA	✓	<input type="checkbox"/>		
-11	SB21-4-5-5-5		1115			✓	<input type="checkbox"/>		
-12	SB21-7-8		1145			✓	<input type="checkbox"/>		

Preservative Code: A = None, B = HCl, C = HNO<sub>3</sub>, D = H<sub>2</sub>SO<sub>4</sub>, E = NaOH, F = MeOH, G = NaHSO<sub>4</sub>, H = Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub>, K/E = Zn Ac/NaOH, O = Other

Container Code: P = Plastic, A = Amber Glass, V = Vial, G = Glass, B = Bacteria Cup, C = Cube, O = Other, E = Encore, D = BOD Bottle

Westboro: Certification No: MA935  
Mansfield: Certification No: MA015

Container Type:  
Preservative:

Relinquished By:	Date/Time	Received By:	Date/Time
[Signature]	11/03/20 1500	[Signature]	11/3/20 1500
[Signature]	11/3/20 1850	[Signature]	11/3/20 2000
[Signature]	11/4/20 0005	[Signature]	11/4/20 0005

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)



## ANALYTICAL REPORT

Lab Number:	L2051332
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Kimberly Semon
Phone:	(212) 479-5486
Project Name:	266-270 WEST 96TH STREET
Project Number:	170432001
Report Date:	12/07/20

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

---

Eight Walkup Drive, Westborough, MA 01581-1019  
508-898-9220 (Fax) 508-898-9193 800-624-9220 - [www.alphalab.com](http://www.alphalab.com)





**Project Name:** 266-270 WEST 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051332  
**Report Date:** 12/07/20

<b>Alpha Sample ID</b>	<b>Client ID</b>	<b>Matrix</b>	<b>Sample Location</b>	<b>Collection Date/Time</b>	<b>Receive Date</b>
L2051332-01	MW17_11182020	WATER	MANHATTAN, NY	11/18/20 14:00	11/18/20
L2051332-02	MW22_11182020	WATER	MANHATTAN, NY	11/18/20 11:00	11/18/20
L2051332-03	GWDUP01_11182020	WATER	MANHATTAN, NY	11/18/20 00:00	11/18/20
L2051332-04	GWFB01_11182020	FIELD BLANK	MANHATTAN, NY	11/18/20 14:00	11/18/20
L2051332-05	GWEB01_11182020	EQUIPMENT BLANK	MANHATTAN, NY	11/18/20 14:15	11/18/20
L2051332-06	GWTB01_11182020	TRIP BLANK (AQUEOUS)	MANHATTAN, NY	11/18/20 00:00	11/18/20

**Project Name:** 266-270 WEST 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051332  
**Report Date:** 12/07/20

### Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

**HOLD POLICY** - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

---

**Project Name:** 266-270 WEST 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051332  
**Report Date:** 12/07/20

### Case Narrative (continued)

#### Report Submission

December 07, 2020: This final report includes the results of all requested analyses.

November 24, 2020: This is a preliminary report.

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

#### Sample Receipt

L2051332-06: Headspace was noted in the sample containers submitted for TCL Volatiles - EPA 8260C. The analysis was performed at the client's request.

#### Volatile Organics

L2051332-06: Headspace was noted in the sample container utilized for analysis.

L2051332-06: The pH of the sample was greater than two; however, the sample was analyzed within the method required holding time.

The WG1437699-7 MSD recovery, performed on L2051332-02, is outside the acceptance criteria for cis-1,2-dichloroethene (0%). The unacceptable percent recovery is attributed to the elevated concentration of this target compound present in the native sample.

#### Perfluorinated Alkyl Acids by Isotope Dilution

L2051332-02 and -03: Extracted Internal Standard recoveries were outside the acceptance criteria for individual analytes. Please refer to the surrogate section of the report for details.

WG1440357-4: The Extracted Internal Standard recovery is below the acceptance criteria for Perfluoro[13C8]Octanesulfonamide (M8FOSA) (less than 10%); however, all associated target analytes are within criteria; therefore, no further action was taken.

WG1440357-4/-5: Extracted Internal Standard recoveries were outside the acceptance criteria for individual analytes. Please refer to the surrogate section of the report for details.

**Project Name:** 266-270 WEST 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051332  
**Report Date:** 12/07/20

**Case Narrative (continued)**

Total Metals

The WG1437562-7/-8 MS/MSD recoveries for calcium (20%/60%) and sodium (20%/70%), performed on L2051332-02, do not apply because the sample concentrations are greater than four times the spike amount added.

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. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: *Tiffani Morrissey* - Tiffani Morrissey

Title: Technical Director/Representative

Date: 12/07/20

# ORGANICS

# VOLATILES

**Project Name:** 266-270 WEST 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051332  
**Report Date:** 12/07/20

**SAMPLE RESULTS**

Lab ID: L2051332-01  
 Client ID: MW17\_11182020  
 Sample Location: MANHATTAN, NY

Date Collected: 11/18/20 14:00  
 Date Received: 11/18/20  
 Field Prep: Refer to COC

Sample Depth:

Matrix: Water  
 Analytical Method: 1,8260C  
 Analytical Date: 11/21/20 23:06  
 Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	0.79	J	ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	0.30	J	ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	0.10	J	ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

**Project Name:** 266-270 WEST 96TH STREET**Lab Number:** L2051332**Project Number:** 170432001**Report Date:** 12/07/20**SAMPLE RESULTS**

Lab ID: L2051332-01  
 Client ID: MW17\_11182020  
 Sample Location: MANHATTAN, NY

Date Collected: 11/18/20 14:00  
 Date Received: 11/18/20  
 Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Trichloroethene	0.54		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	27		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	27		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	1.3	J	ug/l	2.5	0.70	1



**Project Name:** 266-270 WEST 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051332  
**Report Date:** 12/07/20

**SAMPLE RESULTS**

**Lab ID:** L2051332-01  
**Client ID:** MW17\_11182020  
**Sample Location:** MANHATTAN, NY

**Date Collected:** 11/18/20 14:00  
**Date Received:** 11/18/20  
**Field Prep:** Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	96		70-130

**Project Name:** 266-270 WEST 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051332  
**Report Date:** 12/07/20

**SAMPLE RESULTS**

Lab ID: L2051332-02  
 Client ID: MW22\_11182020  
 Sample Location: MANHATTAN, NY

Date Collected: 11/18/20 11:00  
 Date Received: 11/18/20  
 Field Prep: Refer to COC

Sample Depth:

Matrix: Water  
 Analytical Method: 1,8260C  
 Analytical Date: 11/21/20 23:28  
 Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	2.2	J	ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	1.2		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	3.2		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	0.87		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	1.6	J	ug/l	2.5	0.70	1

Project Name: 266-270 WEST 96TH STREET

Lab Number: L2051332

Project Number: 170432001

Report Date: 12/07/20

## SAMPLE RESULTS

Lab ID: L2051332-02  
 Client ID: MW22\_11182020  
 Sample Location: MANHATTAN, NY

Date Collected: 11/18/20 11:00  
 Date Received: 11/18/20  
 Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Trichloroethene	10		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	3.7		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	560	E	ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1

**Project Name:** 266-270 WEST 96TH STREET**Lab Number:** L2051332**Project Number:** 170432001**Report Date:** 12/07/20**SAMPLE RESULTS**

Lab ID: L2051332-02  
 Client ID: MW22\_11182020  
 Sample Location: MANHATTAN, NY

Date Collected: 11/18/20 11:00  
 Date Received: 11/18/20  
 Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	97		70-130

**Project Name:** 266-270 WEST 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051332  
**Report Date:** 12/07/20

**SAMPLE RESULTS**

Lab ID: L2051332-02 D  
 Client ID: MW22\_11182020  
 Sample Location: MANHATTAN, NY

Date Collected: 11/18/20 11:00  
 Date Received: 11/18/20  
 Field Prep: Refer to COC

Sample Depth:

Matrix: Water  
 Analytical Method: 1,8260C  
 Analytical Date: 11/23/20 23:34  
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
cis-1,2-Dichloroethene	500		ug/l	25	7.0	10
1,2-Dichloroethene, Total	500	J	ug/l	2.5	0.70	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	97		70-130

**Project Name:** 266-270 WEST 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051332  
**Report Date:** 12/07/20

**SAMPLE RESULTS**

Lab ID: L2051332-03  
 Client ID: GWDUP01\_11182020  
 Sample Location: MANHATTAN, NY

Date Collected: 11/18/20 00:00  
 Date Received: 11/18/20  
 Field Prep: Refer to COC

Sample Depth:

Matrix: Water  
 Analytical Method: 1,8260C  
 Analytical Date: 11/21/20 23:51  
 Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	2.1	J	ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	1.2		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	3.2		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	0.91		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	1.6	J	ug/l	2.5	0.70	1

**Project Name:** 266-270 WEST 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051332  
**Report Date:** 12/07/20

**SAMPLE RESULTS**

Lab ID: L2051332-03  
 Client ID: GWDUP01\_11182020  
 Sample Location: MANHATTAN, NY

Date Collected: 11/18/20 00:00  
 Date Received: 11/18/20  
 Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Trichloroethene	10		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	3.5		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	560	E	ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1

**Project Name:** 266-270 WEST 96TH STREET**Lab Number:** L2051332**Project Number:** 170432001**Report Date:** 12/07/20**SAMPLE RESULTS**

Lab ID: L2051332-03  
 Client ID: GWDUP01\_11182020  
 Sample Location: MANHATTAN, NY

Date Collected: 11/18/20 00:00  
 Date Received: 11/18/20  
 Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	98		70-130



**Project Name:** 266-270 WEST 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051332  
**Report Date:** 12/07/20

**SAMPLE RESULTS**

Lab ID: L2051332-03 D  
 Client ID: GWDUP01\_11182020  
 Sample Location: MANHATTAN, NY

Date Collected: 11/18/20 00:00  
 Date Received: 11/18/20  
 Field Prep: Refer to COC

Sample Depth:

Matrix: Water  
 Analytical Method: 1,8260C  
 Analytical Date: 11/23/20 23:55  
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
cis-1,2-Dichloroethene	500		ug/l	25	7.0	10
1,2-Dichloroethene, Total	500	J	ug/l	2.5	0.70	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	97		70-130

**Project Name:** 266-270 WEST 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051332  
**Report Date:** 12/07/20

**SAMPLE RESULTS**

Lab ID: L2051332-04  
 Client ID: GWFB01\_11182020  
 Sample Location: MANHATTAN, NY

Date Collected: 11/18/20 14:00  
 Date Received: 11/18/20  
 Field Prep: Refer to COC

Sample Depth:

Matrix: Field Blank  
 Analytical Method: 1,8260C  
 Analytical Date: 11/23/20 19:17  
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

**Project Name:** 266-270 WEST 96TH STREET**Lab Number:** L2051332**Project Number:** 170432001**Report Date:** 12/07/20**SAMPLE RESULTS**

Lab ID: L2051332-04  
 Client ID: GWFB01\_11182020  
 Sample Location: MANHATTAN, NY

Date Collected: 11/18/20 14:00  
 Date Received: 11/18/20  
 Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	1.5	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

**Project Name:** 266-270 WEST 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051332  
**Report Date:** 12/07/20

**SAMPLE RESULTS**

**Lab ID:** L2051332-04  
**Client ID:** GWFB01\_11182020  
**Sample Location:** MANHATTAN, NY

**Date Collected:** 11/18/20 14:00  
**Date Received:** 11/18/20  
**Field Prep:** Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	95		70-130

**Project Name:** 266-270 WEST 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051332  
**Report Date:** 12/07/20

**SAMPLE RESULTS**

Lab ID: L2051332-06  
 Client ID: GWTB01\_11182020  
 Sample Location: MANHATTAN, NY

Date Collected: 11/18/20 00:00  
 Date Received: 11/18/20  
 Field Prep: Not Specified

Sample Depth:

Matrix: Trip Blank (Aqueous)  
 Analytical Method: 1,8260C  
 Analytical Date: 11/22/20 00:37  
 Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: 266-270 WEST 96TH STREET

Lab Number: L2051332

Project Number: 170432001

Report Date: 12/07/20

## SAMPLE RESULTS

Lab ID: L2051332-06  
 Client ID: GWTB01\_11182020  
 Sample Location: MANHATTAN, NY

Date Collected: 11/18/20 00:00  
 Date Received: 11/18/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

**Project Name:** 266-270 WEST 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051332  
**Report Date:** 12/07/20

**SAMPLE RESULTS**

**Lab ID:** L2051332-06  
**Client ID:** GWTB01\_11182020  
**Sample Location:** MANHATTAN, NY

**Date Collected:** 11/18/20 00:00  
**Date Received:** 11/18/20  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	96		70-130

**Project Name:** 266-270 WEST 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051332  
**Report Date:** 12/07/20

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260C  
Analytical Date: 11/21/20 19:16  
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03,06 Batch: WG1437699-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18



**Project Name:** 266-270 WEST 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051332  
**Report Date:** 12/07/20

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 1,8260C  
Analytical Date: 11/21/20 19:16  
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03,06 Batch: WG1437699-5					
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	2.4	J	ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70

**Project Name:** 266-270 WEST 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051332  
**Report Date:** 12/07/20

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 1,8260C  
Analytical Date: 11/21/20 19:16  
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03,06 Batch: WG1437699-5					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	61.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	97		70-130

**Project Name:** 266-270 WEST 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051332  
**Report Date:** 12/07/20

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260C  
Analytical Date: 11/23/20 18:56  
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02-04 Batch: WG1438001-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18

**Project Name:** 266-270 WEST 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051332  
**Report Date:** 12/07/20

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260C  
Analytical Date: 11/23/20 18:56  
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02-04 Batch: WG1438001-5					
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70

**Project Name:** 266-270 WEST 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051332  
**Report Date:** 12/07/20

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 1,8260C  
Analytical Date: 11/23/20 18:56  
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02-04 Batch: WG1438001-5					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	61.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	96		70-130

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 266-270 WEST 96TH STREET

Lab Number: L2051332

Project Number: 170432001

Report Date: 12/07/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03,06 Batch: WG1437699-3 WG1437699-4								
Methylene chloride	110		100		70-130	10		20
1,1-Dichloroethane	110		100		70-130	10		20
Chloroform	110		100		70-130	10		20
Carbon tetrachloride	110		100		63-132	10		20
1,2-Dichloropropane	100		100		70-130	0		20
Dibromochloromethane	100		100		63-130	0		20
1,1,2-Trichloroethane	100		100		70-130	0		20
Tetrachloroethene	120		120		70-130	0		20
Chlorobenzene	110		110		75-130	0		20
Trichlorofluoromethane	110		100		62-150	10		20
1,2-Dichloroethane	100		99		70-130	1		20
1,1,1-Trichloroethane	110		100		67-130	10		20
Bromodichloromethane	100		100		67-130	0		20
trans-1,3-Dichloropropene	100		100		70-130	0		20
cis-1,3-Dichloropropene	99		98		70-130	1		20
1,1-Dichloropropene	110		100		70-130	10		20
Bromoform	100		100		54-136	0		20
1,1,1,2-Tetrachloroethane	100		100		67-130	0		20
Benzene	100		99		70-130	1		20
Toluene	110		110		70-130	0		20
Ethylbenzene	110		110		70-130	0		20
Chloromethane	120		110		64-130	9		20
Bromomethane	<b>150</b>	Q	<b>180</b>	Q	39-139	18		20

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 266-270 WEST 96TH STREET

**Lab Number:** L2051332

**Project Number:** 170432001

**Report Date:** 12/07/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03,06 Batch: WG1437699-3 WG1437699-4								
Vinyl chloride	110		110		55-140	0		20
Chloroethane	110		99		55-138	11		20
1,1-Dichloroethene	100		97		61-145	3		20
trans-1,2-Dichloroethene	110		110		70-130	0		20
Trichloroethene	110		100		70-130	10		20
1,2-Dichlorobenzene	110		110		70-130	0		20
1,3-Dichlorobenzene	120		120		70-130	0		20
1,4-Dichlorobenzene	120		110		70-130	9		20
Methyl tert butyl ether	97		95		63-130	2		20
p/m-Xylene	110		110		70-130	0		20
o-Xylene	110		105		70-130	5		20
cis-1,2-Dichloroethene	100		97		70-130	3		20
Dibromomethane	99		97		70-130	2		20
1,2,3-Trichloropropane	93		96		64-130	3		20
Acrylonitrile	97		100		70-130	3		20
Styrene	105		100		70-130	5		20
Dichlorodifluoromethane	120		120		36-147	0		20
Acetone	100		87		58-148	14		20
Carbon disulfide	120		110		51-130	9		20
2-Butanone	90		84		63-138	7		20
Vinyl acetate	100		100		70-130	0		20
4-Methyl-2-pentanone	83		83		59-130	0		20
2-Hexanone	86		89		57-130	3		20

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 266-270 WEST 96TH STREET

Project Number: 170432001

Lab Number: L2051332

Report Date: 12/07/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03,06 Batch: WG1437699-3 WG1437699-4								
Bromochloromethane	110		100		70-130	10		20
2,2-Dichloropropane	100		110		63-133	10		20
1,2-Dibromoethane	100		100		70-130	0		20
1,3-Dichloropropane	100		100		70-130	0		20
1,1,1,2-Tetrachloroethane	110		100		64-130	10		20
Bromobenzene	110		110		70-130	0		20
n-Butylbenzene	120		120		53-136	0		20
sec-Butylbenzene	120		110		70-130	9		20
tert-Butylbenzene	120		120		70-130	0		20
o-Chlorotoluene	120		120		70-130	0		20
p-Chlorotoluene	120		120		70-130	0		20
1,2-Dibromo-3-chloropropane	78		82		41-144	5		20
Hexachlorobutadiene	130		130		63-130	0		20
Isopropylbenzene	120		110		70-130	9		20
p-Isopropyltoluene	120		120		70-130	0		20
Naphthalene	90		93		70-130	3		20
n-Propylbenzene	120		120		69-130	0		20
1,2,3-Trichlorobenzene	100		100		70-130	0		20
1,2,4-Trichlorobenzene	120		110		70-130	9		20
1,3,5-Trimethylbenzene	120		110		64-130	9		20
1,2,4-Trimethylbenzene	120		110		70-130	9		20
1,4-Dioxane	84		56		56-162	40	Q	20
p-Diethylbenzene	120		120		70-130	0		20



## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 266-270 WEST 96TH STREET

**Project Number:** 170432001

**Lab Number:** L2051332

**Report Date:** 12/07/20

Parameter	LCS		LCSD		%Recovery Limits	RPD	RPD	
	%Recovery	Qual	%Recovery	Qual			Qual	Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03,06 Batch: WG1437699-3 WG1437699-4								
p-Ethyltoluene	120		120		70-130	0		20
1,2,4,5-Tetramethylbenzene	120		110		70-130	9		20
Ethyl ether	100		100		59-134	0		20
trans-1,4-Dichloro-2-butene	110		120		70-130	9		20

Surrogate	LCS		LCSD		Acceptance Criteria
	%Recovery	Qual	%Recovery	Qual	
1,2-Dichloroethane-d4	98		96		70-130
Toluene-d8	105		104		70-130
4-Bromofluorobenzene	100		101		70-130
Dibromofluoromethane	100		98		70-130

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 266-270 WEST 96TH STREET

Lab Number: L2051332

Project Number: 170432001

Report Date: 12/07/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-04 Batch: WG1438001-3 WG1438001-4								
Methylene chloride	97		89		70-130	9		20
1,1-Dichloroethane	100		90		70-130	11		20
Chloroform	100		88		70-130	13		20
Carbon tetrachloride	100		87		63-132	14		20
1,2-Dichloropropane	97		87		70-130	11		20
Dibromochloromethane	90		88		63-130	2		20
1,1,2-Trichloroethane	96		92		70-130	4		20
Tetrachloroethene	110		90		70-130	20		20
Chlorobenzene	100		92		75-130	8		20
Trichlorofluoromethane	110		93		62-150	17		20
1,2-Dichloroethane	93		89		70-130	4		20
1,1,1-Trichloroethane	100		89		67-130	12		20
Bromodichloromethane	93		90		67-130	3		20
trans-1,3-Dichloropropene	91		85		70-130	7		20
cis-1,3-Dichloropropene	90		82		70-130	9		20
1,1-Dichloropropene	100		86		70-130	15		20
Bromoform	91		88		54-136	3		20
1,1,2,2-Tetrachloroethane	92		90		67-130	2		20
Benzene	100		89		70-130	12		20
Toluene	100		91		70-130	9		20
Ethylbenzene	110		94		70-130	16		20
Chloromethane	100		84		64-130	17		20
Bromomethane	93		79		39-139	16		20

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 266-270 WEST 96TH STREET

Project Number: 170432001

Lab Number: L2051332

Report Date: 12/07/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-04 Batch: WG1438001-3 WG1438001-4								
Vinyl chloride	110		86		55-140	24	Q	20
Chloroethane	120		89		55-138	30	Q	20
1,1-Dichloroethene	100		84		61-145	17		20
trans-1,2-Dichloroethene	100		92		70-130	8		20
Trichloroethene	100		88		70-130	13		20
1,2-Dichlorobenzene	100		95		70-130	5		20
1,3-Dichlorobenzene	110		95		70-130	15		20
1,4-Dichlorobenzene	100		92		70-130	8		20
Methyl tert butyl ether	90		92		63-130	2		20
p/m-Xylene	115		100		70-130	14		20
o-Xylene	110		100		70-130	10		20
cis-1,2-Dichloroethene	94		83		70-130	12		20
Dibromomethane	93		92		70-130	1		20
1,2,3-Trichloropropane	95		94		64-130	1		20
Acrylonitrile	87		93		70-130	7		20
Styrene	110		100		70-130	10		20
Dichlorodifluoromethane	110		95		36-147	15		20
Acetone	78		79		58-148	1		20
Carbon disulfide	100		89		51-130	12		20
2-Butanone	80		94		63-138	16		20
Vinyl acetate	82		84		70-130	2		20
4-Methyl-2-pentanone	80		84		59-130	5		20
2-Hexanone	72		76		57-130	5		20

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 266-270 WEST 96TH STREET

Lab Number: L2051332

Project Number: 170432001

Report Date: 12/07/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-04 Batch: WG1438001-3 WG1438001-4								
Bromochloromethane	92		87		70-130	6		20
2,2-Dichloropropane	110		93		63-133	17		20
1,2-Dibromoethane	90		86		70-130	5		20
1,3-Dichloropropane	94		92		70-130	2		20
1,1,1,2-Tetrachloroethane	96		88		64-130	9		20
Bromobenzene	100		90		70-130	11		20
n-Butylbenzene	120		100		53-136	18		20
sec-Butylbenzene	120		97		70-130	21	Q	20
tert-Butylbenzene	100		86		70-130	15		20
o-Chlorotoluene	120		100		70-130	18		20
p-Chlorotoluene	120		99		70-130	19		20
1,2-Dibromo-3-chloropropane	67		75		41-144	11		20
Hexachlorobutadiene	110		89		63-130	21	Q	20
Isopropylbenzene	120		99		70-130	19		20
p-Isopropyltoluene	120		99		70-130	19		20
Naphthalene	63	Q	63	Q	70-130	0		20
n-Propylbenzene	120		100		69-130	18		20
1,2,3-Trichlorobenzene	74		70		70-130	6		20
1,2,4-Trichlorobenzene	83		78		70-130	6		20
1,3,5-Trimethylbenzene	120		100		64-130	18		20
1,2,4-Trimethylbenzene	120		99		70-130	19		20
1,4-Dioxane	88		84		56-162	5		20
p-Diethylbenzene	120		98		70-130	20		20

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 266-270 WEST 96TH STREET

**Project Number:** 170432001

**Lab Number:** L2051332

**Report Date:** 12/07/20

Parameter	LCS		LCSD		%Recovery Limits	RPD	RPD	
	%Recovery	Qual	%Recovery	Qual			Qual	Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-04 Batch: WG1438001-3 WG1438001-4								
p-Ethyltoluene	120		99		70-130	19		20
1,2,4,5-Tetramethylbenzene	100		92		70-130	8		20
Ethyl ether	95		89		59-134	7		20
trans-1,4-Dichloro-2-butene	89		88		70-130	1		20

Surrogate	LCS		LCSD		Acceptance Criteria
	%Recovery	Qual	%Recovery	Qual	
1,2-Dichloroethane-d4	95		100		70-130
Toluene-d8	100		99		70-130
4-Bromofluorobenzene	104		105		70-130
Dibromofluoromethane	92		98		70-130

## Matrix Spike Analysis

*Batch Quality Control*

**Project Name:** 266-270 WEST 96TH STREET

**Project Number:** 170432001

**Lab Number:** L2051332

**Report Date:** 12/07/20

<i>Parameter</i>	<i>Native Sample</i>	<i>MS Added</i>	<i>MS Found</i>	<i>MS %Recovery</i>	<i>Qual</i>	<i>MSD Found</i>	<i>MSD %Recovery</i>	<i>Qual</i>	<i>Recovery Limits</i>	<i>RPD</i>	<i>Qual</i>	<i>RPD Limits</i>
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03,06 QC Batch ID: WG1437699-6 WG1437699-7 QC Sample: L2051332-02 Client ID: MW22_11182020												
Methylene chloride	ND	10	11	110		11	110		70-130	0		20
1,1-Dichloroethane	ND	10	12	120		11	110		70-130	9		20
Chloroform	ND	10	12	120		11	110		70-130	9		20
Carbon tetrachloride	ND	10	12	120		12	120		63-132	0		20
1,2-Dichloropropane	ND	10	11	110		11	110		70-130	0		20
Dibromochloromethane	ND	10	11	110		11	110		63-130	0		20
1,1,2-Trichloroethane	ND	10	11	110		11	110		70-130	0		20
Tetrachloroethene	ND	10	13	130		12	120		70-130	8		20
Chlorobenzene	2.2J	10	14	140	Q	14	140	Q	75-130	0		20
Trichlorofluoromethane	ND	10	12	120		12	120		62-150	0		20
1,2-Dichloroethane	ND	10	11	110		11	110		70-130	0		20
1,1,1-Trichloroethane	ND	10	12	120		12	120		67-130	0		20
Bromodichloromethane	ND	10	11	110		11	110		67-130	0		20
trans-1,3-Dichloropropene	ND	10	10	100		10	100		70-130	0		20
cis-1,3-Dichloropropene	ND	10	10	100		10	100		70-130	0		20
1,1-Dichloropropene	ND	10	12	120		11	110		70-130	9		20
Bromoform	ND	10	10	100		10	100		54-136	0		20
1,1,2,2-Tetrachloroethane	ND	10	10	100		10	100		67-130	0		20
Benzene	1.2	10	12	108		12	108		70-130	0		20
Toluene	ND	10	12	120		12	120		70-130	0		20
Ethylbenzene	ND	10	12	120		12	120		70-130	0		20
Chloromethane	ND	10	12	120		12	120		64-130	0		20
Bromomethane	ND	10	16	160	Q	16	160	Q	39-139	0		20

## Matrix Spike Analysis

*Batch Quality Control*

**Project Name:** 266-270 WEST 96TH STREET

**Lab Number:** L2051332

**Project Number:** 170432001

**Report Date:** 12/07/20

<i>Parameter</i>	<i>Native Sample</i>	<i>MS Added</i>	<i>MS Found</i>	<i>MS %Recovery</i>	<i>Qual</i>	<i>MSD Found</i>	<i>MSD %Recovery</i>	<i>Qual</i>	<i>Recovery Limits</i>	<i>RPD</i>	<i>Qual</i>	<i>RPD Limits</i>
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03,06 QC Batch ID: WG1437699-6 WG1437699-7 QC Sample: L2051332-02 Client ID: MW22_11182020												
Vinyl chloride	3.2	10	16	128		15	118		55-140	6		20
Chloroethane	ND	10	11	110		11	110		55-138	0		20
1,1-Dichloroethene	0.87	10	12	111		12	111		61-145	0		20
trans-1,2-Dichloroethene	1.6J	10	14	140	Q	13	130		70-130	7		20
Trichloroethene	10	10	22	120		21	110		70-130	5		20
1,2-Dichlorobenzene	3.7	10	16	123		16	123		70-130	0		20
1,3-Dichlorobenzene	ND	10	12	120		12	120		70-130	0		20
1,4-Dichlorobenzene	ND	10	13	130		12	120		70-130	8		20
Methyl tert butyl ether	ND	10	10	100		10	100		63-130	0		20
p/m-Xylene	ND	20	24	120		23	115		70-130	4		20
o-Xylene	ND	20	23	115		23	115		70-130	0		20
cis-1,2-Dichloroethene	560E	10	580E	200	Q	550E	0	Q	70-130	5		20
Dibromomethane	ND	10	10	100		10	100		70-130	0		20
1,2,3-Trichloropropane	ND	10	10	100		10	100		64-130	0		20
Acrylonitrile	ND	10	9.8	98		9.8	98		70-130	0		20
Styrene	ND	20	22	110		22	110		70-130	0		20
Dichlorodifluoromethane	ND	10	14	140		14	140		36-147	0		20
Acetone	ND	10	9.9	99		9.1	91		58-148	8		20
Carbon disulfide	ND	10	12	120		12	120		51-130	0		20
2-Butanone	ND	10	8.6	86		8.4	84		63-138	2		20
Vinyl acetate	ND	10	9.6	96		9.6	96		70-130	0		20
4-Methyl-2-pentanone	ND	10	8.5	85		8.8	88		59-130	3		20
2-Hexanone	ND	10	8.4	84		9.2	92		57-130	9		20

## Matrix Spike Analysis

*Batch Quality Control*

**Project Name:** 266-270 WEST 96TH STREET

**Project Number:** 170432001

**Lab Number:** L2051332

**Report Date:** 12/07/20

<i>Parameter</i>	<i>Native Sample</i>	<i>MS Added</i>	<i>MS Found</i>	<i>MS %Recovery</i>	<i>Qual</i>	<i>MSD Found</i>	<i>MSD %Recovery</i>	<i>Qual</i>	<i>Recovery Limits</i>	<i>RPD</i>	<i>Qual</i>	<i>RPD Limits</i>
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03,06 QC Batch ID: WG1437699-6 WG1437699-7 QC Sample: L2051332-02 Client ID: MW22_11182020												
Bromochloromethane	ND	10	11	110		11	110		70-130	0		20
2,2-Dichloropropane	ND	10	9.2	92		8.8	88		63-133	4		20
1,2-Dibromoethane	ND	10	10	100		11	110		70-130	10		20
1,3-Dichloropropane	ND	10	11	110		11	110		70-130	0		20
1,1,1,2-Tetrachloroethane	ND	10	11	110		11	110		64-130	0		20
Bromobenzene	ND	10	12	120		12	120		70-130	0		20
n-Butylbenzene	ND	10	12	120		12	120		53-136	0		20
sec-Butylbenzene	ND	10	12	120		12	120		70-130	0		20
tert-Butylbenzene	ND	10	13	130		12	120		70-130	8		20
o-Chlorotoluene	ND	10	13	130		12	120		70-130	8		20
p-Chlorotoluene	ND	10	12	120		12	120		70-130	0		20
1,2-Dibromo-3-chloropropane	ND	10	8.0	80		8.5	85		41-144	6		20
Hexachlorobutadiene	ND	10	14	140	Q	14	140	Q	63-130	0		20
Isopropylbenzene	ND	10	12	120		12	120		70-130	0		20
p-Isopropyltoluene	ND	10	13	130		12	120		70-130	8		20
Naphthalene	ND	10	8.9	89		10	100		70-130	12		20
n-Propylbenzene	ND	10	13	130		12	120		69-130	8		20
1,2,3-Trichlorobenzene	ND	10	10	100		11	110		70-130	10		20
1,2,4-Trichlorobenzene	ND	10	11	110		12	120		70-130	9		20
1,3,5-Trimethylbenzene	ND	10	12	120		12	120		64-130	0		20
1,2,4-Trimethylbenzene	ND	10	12	120		12	120		70-130	0		20
1,4-Dioxane	ND	500	310	62		390	78		56-162	23	Q	20
p-Diethylbenzene	ND	10	12	120		12	120		70-130	0		20



## Matrix Spike Analysis

*Batch Quality Control*

**Project Name:** 266-270 WEST 96TH STREET

**Project Number:** 170432001

**Lab Number:** L2051332

**Report Date:** 12/07/20

<b>Parameter</b>	<b>Native Sample</b>	<b>MS Added</b>	<b>MS Found</b>	<b>MS %Recovery</b>	<b>Qual</b>	<b>MSD Found</b>	<b>MSD %Recovery</b>	<b>Qual</b>	<b>Recovery Limits</b>	<b>RPD</b>	<b>Qual</b>	<b>RPD Limits</b>
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03,06 QC Batch ID: WG1437699-6 WG1437699-7 QC Sample: L2051332-02 Client ID: MW22_11182020												
p-Ethyltoluene	ND	10	13	130		12	120		70-130	8		20
1,2,4,5-Tetramethylbenzene	ND	10	12	120		12	120		70-130	0		20
Ethyl ether	ND	10	11	110		11	110		59-134	0		20
trans-1,4-Dichloro-2-butene	ND	10	10	100		10	100		70-130	0		20

<b>Surrogate</b>	<b>MS % Recovery</b>	<b>Qualifier</b>	<b>MSD % Recovery</b>	<b>Qualifier</b>	<b>Acceptance Criteria</b>
1,2-Dichloroethane-d4	94		97		70-130
4-Bromofluorobenzene	98		99		70-130
Dibromofluoromethane	98		99		70-130
Toluene-d8	102		104		70-130

# SEMIVOLATILES

**Project Name:** 266-270 WEST 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051332  
**Report Date:** 12/07/20

**SAMPLE RESULTS**

Lab ID: L2051332-01  
 Client ID: MW17\_11182020  
 Sample Location: MANHATTAN, NY

Date Collected: 11/18/20 14:00  
 Date Received: 11/18/20  
 Field Prep: Refer to COC

Sample Depth:

Matrix: Water  
 Analytical Method: 1,8270D  
 Analytical Date: 11/20/20 15:36  
 Analyst: WR

Extraction Method: EPA 3510C  
 Extraction Date: 11/20/20 04:18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1

**Project Name:** 266-270 WEST 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051332  
**Report Date:** 12/07/20

**SAMPLE RESULTS**

**Lab ID:** L2051332-01  
**Client ID:** MW17\_11182020  
**Sample Location:** MANHATTAN, NY

**Date Collected:** 11/18/20 14:00  
**Date Received:** 11/18/20  
**Field Prep:** Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Benzoic Acid	ND		ug/l	50	2.6	1
Benzyl Alcohol	ND		ug/l	2.0	0.59	1
Carbazole	ND		ug/l	2.0	0.49	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	61		21-120
Phenol-d6	52		10-120
Nitrobenzene-d5	81		23-120
2-Fluorobiphenyl	72		15-120
2,4,6-Tribromophenol	88		10-120
4-Terphenyl-d14	86		41-149

**Project Name:** 266-270 WEST 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051332  
**Report Date:** 12/07/20

**SAMPLE RESULTS**

Lab ID: L2051332-01  
 Client ID: MW17\_11182020  
 Sample Location: MANHATTAN, NY

Date Collected: 11/18/20 14:00  
 Date Received: 11/18/20  
 Field Prep: Refer to COC

Sample Depth:

Matrix: Water  
 Analytical Method: 1,8270D-SIM  
 Analytical Date: 11/20/20 19:33  
 Analyst: ALS

Extraction Method: EPA 3510C  
 Extraction Date: 11/20/20 04:21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS-SIM - Westborough Lab</b>						
Acenaphthene	0.07	J	ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	0.11		ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	0.10	J	ug/l	0.10	0.05	1
Benzo(a)anthracene	0.04	J	ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	0.01	J	ug/l	0.10	0.01	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01	1
Chrysene	0.02	J	ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	0.08	J	ug/l	0.10	0.01	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.01	1
Fluorene	0.07	J	ug/l	0.10	0.01	1
Phenanthrene	0.27		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01	1
Pyrene	0.14		ug/l	0.10	0.02	1
2-Methylnaphthalene	0.05	J	ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

**Project Name:** 266-270 WEST 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051332  
**Report Date:** 12/07/20

**SAMPLE RESULTS**

Lab ID: L2051332-01  
 Client ID: MW17\_11182020  
 Sample Location: MANHATTAN, NY

Date Collected: 11/18/20 14:00  
 Date Received: 11/18/20  
 Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	60		21-120
Phenol-d6	48		10-120
Nitrobenzene-d5	81		23-120
2-Fluorobiphenyl	86		15-120
2,4,6-Tribromophenol	117		10-120
4-Terphenyl-d14	91		41-149

**Project Name:** 266-270 WEST 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051332  
**Report Date:** 12/07/20

**SAMPLE RESULTS**

Lab ID: L2051332-01  
 Client ID: MW17\_11182020  
 Sample Location: MANHATTAN, NY

Date Collected: 11/18/20 14:00  
 Date Received: 11/18/20  
 Field Prep: Refer to COC

Sample Depth:

Matrix: Water  
 Analytical Method: 1,8270D-SIM  
 Analytical Date: 11/23/20 16:13  
 Analyst: PS

Extraction Method: EPA 3510C  
 Extraction Date: 11/20/20 14:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270D-SIM - Mansfield Lab						
1,4-Dioxane	41.8	J	ng/l	150	33.9	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	42		15-110

**Project Name:** 266-270 WEST 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051332  
**Report Date:** 12/07/20

**SAMPLE RESULTS**

**Lab ID:** L2051332-01  
**Client ID:** MW17\_11182020  
**Sample Location:** MANHATTAN, NY

**Date Collected:** 11/18/20 14:00  
**Date Received:** 11/18/20  
**Field Prep:** Refer to COC

**Sample Depth:**

**Matrix:** Water  
**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 12/03/20 23:12  
**Analyst:** JW

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 12/02/20 18:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab</b>						
Perfluorobutanoic Acid (PFBA)	23.1		ng/l	1.80	0.367	1
Perfluoropentanoic Acid (PFPeA)	29.6		ng/l	1.80	0.356	1
Perfluorobutanesulfonic Acid (PFBS)	37.3		ng/l	1.80	0.214	1
Perfluorohexanoic Acid (PFHxA)	25.7		ng/l	1.80	0.295	1
Perfluoroheptanoic Acid (PFHpA)	18.2		ng/l	1.80	0.202	1
Perfluorohexanesulfonic Acid (PFHxS)	6.01		ng/l	1.80	0.338	1
Perfluorooctanoic Acid (PFOA)	78.9	F	ng/l	1.80	0.212	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	1.80	1.20	1
Perfluoroheptanesulfonic Acid (PFHpS)	0.784	J	ng/l	1.80	0.619	1
Perfluorononanoic Acid (PFNA)	17.0		ng/l	1.80	0.280	1
Perfluorooctanesulfonic Acid (PFOS)	55.2	F	ng/l	1.80	0.453	1
Perfluorodecanoic Acid (PFDA)	11.8		ng/l	1.80	0.273	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.80	1.09	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.80	0.583	1
Perfluoroundecanoic Acid (PFUnA)	1.85		ng/l	1.80	0.234	1
Perfluorodecanesulfonic Acid (PFDS)	1.13	J	ng/l	1.80	0.881	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	1.80	0.522	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.80	0.723	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.80	0.334	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.80	0.294	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.80	0.223	1
PFOA/PFOS, Total	134		ng/l	1.80	0.212	1



**Project Name:** 266-270 WEST 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051332  
**Report Date:** 12/07/20

**SAMPLE RESULTS**

Lab ID: L2051332-01  
 Client ID: MW17\_11182020  
 Sample Location: MANHATTAN, NY

Date Collected: 11/18/20 14:00  
 Date Received: 11/18/20  
 Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	87		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	101		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	94		31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	82		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	93		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	102		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	85		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	224		1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	82		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	82		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	77		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	161		7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	84		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	82		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	12		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	73		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	84		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	62		33-143

**Project Name:** 266-270 WEST 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051332  
**Report Date:** 12/07/20

**SAMPLE RESULTS**

Lab ID: L2051332-02  
 Client ID: MW22\_11182020  
 Sample Location: MANHATTAN, NY

Date Collected: 11/18/20 11:00  
 Date Received: 11/18/20  
 Field Prep: Refer to COC

Sample Depth:

Matrix: Water  
 Analytical Method: 1,8270D  
 Analytical Date: 11/20/20 15:59  
 Analyst: WR

Extraction Method: EPA 3510C  
 Extraction Date: 11/20/20 04:18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
1,2-Dichlorobenzene	1.6	J	ug/l	2.0	0.45	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1

**Project Name:** 266-270 WEST 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051332  
**Report Date:** 12/07/20

**SAMPLE RESULTS**

**Lab ID:** L2051332-02  
**Client ID:** MW22\_11182020  
**Sample Location:** MANHATTAN, NY

**Date Collected:** 11/18/20 11:00  
**Date Received:** 11/18/20  
**Field Prep:** Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Benzoic Acid	ND		ug/l	50	2.6	1
Benzyl Alcohol	ND		ug/l	2.0	0.59	1
Carbazole	ND		ug/l	2.0	0.49	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	60		21-120
Phenol-d6	50		10-120
Nitrobenzene-d5	73		23-120
2-Fluorobiphenyl	71		15-120
2,4,6-Tribromophenol	93		10-120
4-Terphenyl-d14	79		41-149

**Project Name:** 266-270 WEST 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051332  
**Report Date:** 12/07/20

**SAMPLE RESULTS**

Lab ID: L2051332-02  
 Client ID: MW22\_11182020  
 Sample Location: MANHATTAN, NY

Date Collected: 11/18/20 11:00  
 Date Received: 11/18/20  
 Field Prep: Refer to COC

Sample Depth:

Matrix: Water  
 Analytical Method: 1,8270D-SIM  
 Analytical Date: 11/20/20 19:53  
 Analyst: ALS

Extraction Method: EPA 3510C  
 Extraction Date: 11/20/20 04:21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS-SIM - Westborough Lab</b>						
Acenaphthene	ND		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	ND		ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	ND		ug/l	0.10	0.05	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	0.02	J	ug/l	0.10	0.01	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01	1
Chrysene	ND		ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	ND		ug/l	0.10	0.01	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.01	1
Fluorene	ND		ug/l	0.10	0.01	1
Phenanthrene	ND		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	0.01	J	ug/l	0.10	0.01	1
Pyrene	ND		ug/l	0.10	0.02	1
2-Methylnaphthalene	ND		ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

**Project Name:** 266-270 WEST 96TH STREET**Lab Number:** L2051332**Project Number:** 170432001**Report Date:** 12/07/20**SAMPLE RESULTS**

Lab ID: L2051332-02

Date Collected: 11/18/20 11:00

Client ID: MW22\_11182020

Date Received: 11/18/20

Sample Location: MANHATTAN, NY

Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
-----------	--------	-----------	-------	----	-----	-----------------

## Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	58		21-120
Phenol-d6	47		10-120
Nitrobenzene-d5	74		23-120
2-Fluorobiphenyl	81		15-120
2,4,6-Tribromophenol	114		10-120
4-Terphenyl-d14	84		41-149

**Project Name:** 266-270 WEST 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051332  
**Report Date:** 12/07/20

**SAMPLE RESULTS**

Lab ID: L2051332-02  
 Client ID: MW22\_11182020  
 Sample Location: MANHATTAN, NY

Date Collected: 11/18/20 11:00  
 Date Received: 11/18/20  
 Field Prep: Refer to COC

Sample Depth:

Matrix: Water  
 Analytical Method: 1,8270D-SIM  
 Analytical Date: 11/23/20 17:10  
 Analyst: PS

Extraction Method: EPA 3510C  
 Extraction Date: 11/20/20 14:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270D-SIM - Mansfield Lab						
1,4-Dioxane	200.		ng/l	150	33.9	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	43		15-110

**Project Name:** 266-270 WEST 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051332  
**Report Date:** 12/07/20

**SAMPLE RESULTS**

**Lab ID:** L2051332-02  
**Client ID:** MW22\_11182020  
**Sample Location:** MANHATTAN, NY

**Date Collected:** 11/18/20 11:00  
**Date Received:** 11/18/20  
**Field Prep:** Refer to COC

**Sample Depth:**

**Matrix:** Water  
**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 12/03/20 23:28  
**Analyst:** JW

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 12/02/20 18:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab</b>						
Perfluorobutanoic Acid (PFBA)	23.2		ng/l	1.76	0.358	1
Perfluoropentanoic Acid (PFPeA)	43.6		ng/l	1.76	0.348	1
Perfluorobutanesulfonic Acid (PFBS)	12.6		ng/l	1.76	0.209	1
Perfluorohexanoic Acid (PFHxA)	31.6		ng/l	1.76	0.288	1
Perfluoroheptanoic Acid (PFHpA)	17.8		ng/l	1.76	0.198	1
Perfluorohexanesulfonic Acid (PFHxS)	9.82		ng/l	1.76	0.330	1
Perfluorooctanoic Acid (PFOA)	54.3	F	ng/l	1.76	0.207	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	1.76	1.17	1
Perfluoroheptanesulfonic Acid (PFHpS)	0.973	J	ng/l	1.76	0.604	1
Perfluorononanoic Acid (PFNA)	4.81		ng/l	1.76	0.274	1
Perfluorooctanesulfonic Acid (PFOS)	55.6	F	ng/l	1.76	0.443	1
Perfluorodecanoic Acid (PFDA)	2.24		ng/l	1.76	0.267	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.76	1.06	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.76	0.569	1
Perfluoroundecanoic Acid (PFUnA)	0.404	J	ng/l	1.76	0.228	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.76	0.861	1
Perfluorooctanesulfonamide (FOSA)	0.650	JF	ng/l	1.76	0.509	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	1.90	F	ng/l	1.76	0.706	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.76	0.327	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.76	0.287	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.76	0.218	1
PFOA/PFOS, Total	110		ng/l	1.76	0.207	1

**Project Name:** 266-270 WEST 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051332  
**Report Date:** 12/07/20

**SAMPLE RESULTS**

Lab ID: L2051332-02  
 Client ID: MW22\_11182020  
 Sample Location: MANHATTAN, NY

Date Collected: 11/18/20 11:00  
 Date Received: 11/18/20  
 Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	88		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	101		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	97		31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	86		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	99		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	110		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	90		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	210		1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	93		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	88		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	82		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	176	Q	7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	78		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	89		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	13		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	70		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	83		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	57		33-143



**Project Name:** 266-270 WEST 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051332  
**Report Date:** 12/07/20

**SAMPLE RESULTS**

Lab ID: L2051332-03  
 Client ID: GWDUP01\_11182020  
 Sample Location: MANHATTAN, NY

Date Collected: 11/18/20 00:00  
 Date Received: 11/18/20  
 Field Prep: Refer to COC

Sample Depth:

Matrix: Water  
 Analytical Method: 1,8270D  
 Analytical Date: 11/20/20 16:22  
 Analyst: WR

Extraction Method: EPA 3510C  
 Extraction Date: 11/20/20 04:18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
1,2-Dichlorobenzene	1.6	J	ug/l	2.0	0.45	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1

**Project Name:** 266-270 WEST 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051332  
**Report Date:** 12/07/20

**SAMPLE RESULTS**

Lab ID: L2051332-03  
 Client ID: GWDUP01\_11182020  
 Sample Location: MANHATTAN, NY

Date Collected: 11/18/20 00:00  
 Date Received: 11/18/20  
 Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Benzoic Acid	ND		ug/l	50	2.6	1
Benzyl Alcohol	ND		ug/l	2.0	0.59	1
Carbazole	ND		ug/l	2.0	0.49	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	65		21-120
Phenol-d6	53		10-120
Nitrobenzene-d5	75		23-120
2-Fluorobiphenyl	78		15-120
2,4,6-Tribromophenol	98		10-120
4-Terphenyl-d14	87		41-149

**Project Name:** 266-270 WEST 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051332  
**Report Date:** 12/07/20

**SAMPLE RESULTS**

Lab ID: L2051332-03  
 Client ID: GWDUP01\_11182020  
 Sample Location: MANHATTAN, NY

Date Collected: 11/18/20 00:00  
 Date Received: 11/18/20  
 Field Prep: Refer to COC

Sample Depth:

Matrix: Water  
 Analytical Method: 1,8270D-SIM  
 Analytical Date: 11/20/20 20:12  
 Analyst: ALS

Extraction Method: EPA 3510C  
 Extraction Date: 11/20/20 04:21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS-SIM - Westborough Lab</b>						
Acenaphthene	ND		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	ND		ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	ND		ug/l	0.10	0.05	1
Benzo(a)anthracene	0.02	J	ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	0.02	J	ug/l	0.10	0.01	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01	1
Chrysene	ND		ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	ND		ug/l	0.10	0.01	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.01	1
Fluorene	ND		ug/l	0.10	0.01	1
Phenanthrene	ND		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	0.02	J	ug/l	0.10	0.01	1
Pyrene	ND		ug/l	0.10	0.02	1
2-Methylnaphthalene	ND		ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

**Project Name:** 266-270 WEST 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051332  
**Report Date:** 12/07/20

**SAMPLE RESULTS**

Lab ID: L2051332-03  
 Client ID: GWDUP01\_11182020  
 Sample Location: MANHATTAN, NY

Date Collected: 11/18/20 00:00  
 Date Received: 11/18/20  
 Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	65		21-120
Phenol-d6	52		10-120
Nitrobenzene-d5	81		23-120
2-Fluorobiphenyl	89		15-120
2,4,6-Tribromophenol	121	Q	10-120
4-Terphenyl-d14	90		41-149

**Project Name:** 266-270 WEST 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051332  
**Report Date:** 12/07/20

**SAMPLE RESULTS**

Lab ID: L2051332-03  
 Client ID: GWDUP01\_11182020  
 Sample Location: MANHATTAN, NY

Date Collected: 11/18/20 00:00  
 Date Received: 11/18/20  
 Field Prep: Refer to COC

Sample Depth:

Matrix: Water  
 Analytical Method: 1,8270D-SIM  
 Analytical Date: 11/23/20 18:24  
 Analyst: PS

Extraction Method: EPA 3510C  
 Extraction Date: 11/20/20 14:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270D-SIM - Mansfield Lab						
1,4-Dioxane	216.		ng/l	150	33.9	1
Surrogate			% Recovery	Qualifier	Acceptance Criteria	
1,4-Dioxane-d8			39		15-110	

**Project Name:** 266-270 WEST 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051332  
**Report Date:** 12/07/20

**SAMPLE RESULTS**

Lab ID: L2051332-03  
 Client ID: GWDUP01\_11182020  
 Sample Location: MANHATTAN, NY

Date Collected: 11/18/20 00:00  
 Date Received: 11/18/20  
 Field Prep: Refer to COC

Sample Depth:

Matrix: Water  
 Analytical Method: 134,LCMSMS-ID  
 Analytical Date: 12/04/20 00:18  
 Analyst: JW

Extraction Method: ALPHA 23528  
 Extraction Date: 12/02/20 18:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab</b>						
Perfluorobutanoic Acid (PFBA)	22.9		ng/l	1.80	0.368	1
Perfluoropentanoic Acid (PFPeA)	42.8		ng/l	1.80	0.357	1
Perfluorobutanesulfonic Acid (PFBS)	12.6		ng/l	1.80	0.215	1
Perfluorohexanoic Acid (PFHxA)	31.3		ng/l	1.80	0.296	1
Perfluoroheptanoic Acid (PFHpA)	17.3		ng/l	1.80	0.203	1
Perfluorohexanesulfonic Acid (PFHxS)	9.69	F	ng/l	1.80	0.339	1
Perfluorooctanoic Acid (PFOA)	54.0	F	ng/l	1.80	0.213	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	1.80	1.20	1
Perfluoroheptanesulfonic Acid (PFHpS)	1.00	J	ng/l	1.80	0.621	1
Perfluorononanoic Acid (PFNA)	4.79		ng/l	1.80	0.282	1
Perfluorooctanesulfonic Acid (PFOS)	56.2	F	ng/l	1.80	0.455	1
Perfluorodecanoic Acid (PFDA)	2.36		ng/l	1.80	0.274	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.80	1.09	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.80	0.585	1
Perfluoroundecanoic Acid (PFUnA)	0.394	J	ng/l	1.80	0.235	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.80	0.884	1
Perfluorooctanesulfonamide (FOSA)	0.588	J	ng/l	1.80	0.524	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	1.72	J	ng/l	1.80	0.726	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.80	0.336	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.80	0.295	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.80	0.224	1
PFOA/PFOS, Total	110		ng/l	1.80	0.213	1

**Project Name:** 266-270 WEST 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051332  
**Report Date:** 12/07/20

**SAMPLE RESULTS**

Lab ID: L2051332-03  
 Client ID: GWDUP01\_11182020  
 Sample Location: MANHATTAN, NY

Date Collected: 11/18/20 00:00  
 Date Received: 11/18/20  
 Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	87		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	100		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	98		31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	83		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	96		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	113		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	88		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	217		1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	89		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	91		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	84		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	<b>189</b>	Q	7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	89		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	92		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	14		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	74		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	87		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	56		33-143

**Project Name:** 266-270 WEST 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051332  
**Report Date:** 12/07/20

**SAMPLE RESULTS**

Lab ID: L2051332-04  
 Client ID: GWFB01\_11182020  
 Sample Location: MANHATTAN, NY

Date Collected: 11/18/20 14:00  
 Date Received: 11/18/20  
 Field Prep: Refer to COC

Sample Depth:

Matrix: Field Blank  
 Analytical Method: 1,8270D  
 Analytical Date: 11/20/20 16:45  
 Analyst: WR

Extraction Method: EPA 3510C  
 Extraction Date: 11/20/20 04:18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1



**Project Name:** 266-270 WEST 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051332  
**Report Date:** 12/07/20

**SAMPLE RESULTS**

Lab ID: L2051332-04  
 Client ID: GWFB01\_11182020  
 Sample Location: MANHATTAN, NY

Date Collected: 11/18/20 14:00  
 Date Received: 11/18/20  
 Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Benzoic Acid	ND		ug/l	50	2.6	1
Benzyl Alcohol	ND		ug/l	2.0	0.59	1
Carbazole	ND		ug/l	2.0	0.49	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	61		21-120
Phenol-d6	54		10-120
Nitrobenzene-d5	80		23-120
2-Fluorobiphenyl	79		15-120
2,4,6-Tribromophenol	99		10-120
4-Terphenyl-d14	91		41-149

**Project Name:** 266-270 WEST 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051332  
**Report Date:** 12/07/20

**SAMPLE RESULTS**

Lab ID: L2051332-04  
 Client ID: GWFB01\_11182020  
 Sample Location: MANHATTAN, NY

Date Collected: 11/18/20 14:00  
 Date Received: 11/18/20  
 Field Prep: Refer to COC

Sample Depth:

Matrix: Field Blank  
 Analytical Method: 1,8270D-SIM  
 Analytical Date: 11/20/20 20:32  
 Analyst: ALS

Extraction Method: EPA 3510C  
 Extraction Date: 11/20/20 04:21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS-SIM - Westborough Lab</b>						
Acenaphthene	ND		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	ND		ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	ND		ug/l	0.10	0.05	1
Benzo(a)anthracene	0.03	J	ug/l	0.10	0.02	1
Benzo(a)pyrene	0.02	J	ug/l	0.10	0.02	1
Benzo(b)fluoranthene	0.04	J	ug/l	0.10	0.01	1
Benzo(k)fluoranthene	0.01	J	ug/l	0.10	0.01	1
Chrysene	ND		ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	ND		ug/l	0.10	0.01	1
Benzo(ghi)perylene	0.04	J	ug/l	0.10	0.01	1
Fluorene	ND		ug/l	0.10	0.01	1
Phenanthrene	ND		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	0.04	J	ug/l	0.10	0.01	1
Pyrene	ND		ug/l	0.10	0.02	1
2-Methylnaphthalene	ND		ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

**Project Name:** 266-270 WEST 96TH STREET**Lab Number:** L2051332**Project Number:** 170432001**Report Date:** 12/07/20**SAMPLE RESULTS**

Lab ID: L2051332-04  
 Client ID: GWFB01\_11182020  
 Sample Location: MANHATTAN, NY

Date Collected: 11/18/20 14:00  
 Date Received: 11/18/20  
 Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	62		21-120
Phenol-d6	49		10-120
Nitrobenzene-d5	80		23-120
2-Fluorobiphenyl	87		15-120
2,4,6-Tribromophenol	119		10-120
4-Terphenyl-d14	91		41-149

**Project Name:** 266-270 WEST 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051332  
**Report Date:** 12/07/20

**SAMPLE RESULTS**

Lab ID: L2051332-04  
 Client ID: GWFB01\_11182020  
 Sample Location: MANHATTAN, NY

Date Collected: 11/18/20 14:00  
 Date Received: 11/18/20  
 Field Prep: Refer to COC

Sample Depth:

Matrix: Field Blank  
 Analytical Method: 1,8270D-SIM  
 Analytical Date: 11/23/20 18:48  
 Analyst: PS

Extraction Method: EPA 3510C  
 Extraction Date: 11/20/20 14:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270D-SIM - Mansfield Lab						
1,4-Dioxane	ND		ng/l	150	33.9	1
Surrogate			% Recovery	Qualifier	Acceptance Criteria	
1,4-Dioxane-d8			38		15-110	

**Project Name:** 266-270 WEST 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051332  
**Report Date:** 12/07/20

**SAMPLE RESULTS**

**Lab ID:** L2051332-04  
**Client ID:** GWFB01\_11182020  
**Sample Location:** MANHATTAN, NY

**Date Collected:** 11/18/20 14:00  
**Date Received:** 11/18/20  
**Field Prep:** Refer to COC

**Sample Depth:**

**Matrix:** Field Blank  
**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 12/04/20 00:35  
**Analyst:** JW

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 12/02/20 18:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab</b>						
Perfluorobutanoic Acid (PFBA)	ND		ng/l	1.93	0.394	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	1.93	0.383	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	1.93	0.230	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	1.93	0.317	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	1.93	0.218	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	1.93	0.363	1
Perfluorooctanoic Acid (PFOA)	ND		ng/l	1.93	0.228	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	1.93	1.29	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.93	0.665	1
Perfluorononanoic Acid (PFNA)	ND		ng/l	1.93	0.302	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	1.93	0.487	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.93	0.294	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.93	1.17	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.93	0.626	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.93	0.251	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.93	0.947	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	1.93	0.561	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.93	0.777	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.93	0.360	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.93	0.316	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.93	0.240	1
PFOA/PFOS, Total	ND		ng/l	1.93	0.228	1

**Project Name:** 266-270 WEST 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051332  
**Report Date:** 12/07/20

**SAMPLE RESULTS**

Lab ID: L2051332-04  
 Client ID: GWFB01\_11182020  
 Sample Location: MANHATTAN, NY

Date Collected: 11/18/20 14:00  
 Date Received: 11/18/20  
 Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	101		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	130		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	107		31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	106		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	112		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	118		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	102		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	143		1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	107		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	99		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	97		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	168		7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	103		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	110		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	35		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	87		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	107		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	71		33-143

**Project Name:** 266-270 WEST 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051332  
**Report Date:** 12/07/20

**SAMPLE RESULTS**

**Lab ID:** L2051332-05  
**Client ID:** GWEB01\_11182020  
**Sample Location:** MANHATTAN, NY

**Date Collected:** 11/18/20 14:15  
**Date Received:** 11/18/20  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Equipment Blank  
**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 12/04/20 00:51  
**Analyst:** JW

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 12/02/20 18:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab</b>						
Perfluorobutanoic Acid (PFBA)	ND		ng/l	1.91	0.390	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	1.91	0.379	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	1.91	0.228	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	1.91	0.314	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	1.91	0.215	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	1.91	0.360	1
Perfluorooctanoic Acid (PFOA)	ND		ng/l	1.91	0.226	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	1.91	1.27	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.91	0.658	1
Perfluorononanoic Acid (PFNA)	ND		ng/l	1.91	0.298	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	1.91	0.482	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.91	0.291	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.91	1.16	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.91	0.620	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.91	0.249	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.91	0.938	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	1.91	0.555	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.91	0.769	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.91	0.356	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.91	0.313	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.91	0.237	1
PFOA/PFOS, Total	ND		ng/l	1.91	0.226	1

**Project Name:** 266-270 WEST 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051332  
**Report Date:** 12/07/20

**SAMPLE RESULTS**

Lab ID: L2051332-05  
 Client ID: GWEB01\_11182020  
 Sample Location: MANHATTAN, NY

Date Collected: 11/18/20 14:15  
 Date Received: 11/18/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	99		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	128		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	105		31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	103		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	111		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	114		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	100		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	140		1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	104		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	96		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	98		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	164		7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	90		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	111		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	35		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	88		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	110		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	68		33-143



**Project Name:** 266-270 WEST 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051332  
**Report Date:** 12/07/20

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8270D  
Analytical Date: 11/20/20 04:43  
Analyst: JG

Extraction Method: EPA 3510C  
Extraction Date: 11/19/20 11:48

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatle Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG1436212-1					
Acenaphthene	ND		ug/l	2.0	0.44
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50
Hexachlorobenzene	ND		ug/l	2.0	0.46
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50
2-Chloronaphthalene	ND		ug/l	2.0	0.44
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93
Fluoranthene	ND		ug/l	2.0	0.26
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50
Hexachlorobutadiene	ND		ug/l	2.0	0.66
Hexachlorocyclopentadiene	ND		ug/l	20	0.69
Hexachloroethane	ND		ug/l	2.0	0.58
Isophorone	ND		ug/l	5.0	1.2
Naphthalene	ND		ug/l	2.0	0.46
Nitrobenzene	ND		ug/l	2.0	0.77
NDPA/DPA	ND		ug/l	2.0	0.42
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5
Butyl benzyl phthalate	ND		ug/l	5.0	1.2
Di-n-butylphthalate	ND		ug/l	5.0	0.39
Di-n-octylphthalate	ND		ug/l	5.0	1.3
Diethyl phthalate	ND		ug/l	5.0	0.38

**Project Name:** 266-270 WEST 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051332  
**Report Date:** 12/07/20

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 1,8270D  
Analytical Date: 11/20/20 04:43  
Analyst: JG

Extraction Method: EPA 3510C  
Extraction Date: 11/19/20 11:48

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG1436212-1					
Dimethyl phthalate	ND		ug/l	5.0	1.8
Benzo(a)anthracene	ND		ug/l	2.0	0.32
Benzo(a)pyrene	ND		ug/l	2.0	0.41
Benzo(b)fluoranthene	ND		ug/l	2.0	0.35
Benzo(k)fluoranthene	ND		ug/l	2.0	0.37
Chrysene	ND		ug/l	2.0	0.34
Acenaphthylene	ND		ug/l	2.0	0.46
Anthracene	ND		ug/l	2.0	0.33
Benzo(ghi)perylene	ND		ug/l	2.0	0.30
Fluorene	ND		ug/l	2.0	0.41
Phenanthrene	ND		ug/l	2.0	0.33
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.32
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.0	0.40
Pyrene	ND		ug/l	2.0	0.28
Biphenyl	ND		ug/l	2.0	0.46
4-Chloroaniline	ND		ug/l	5.0	1.1
2-Nitroaniline	ND		ug/l	5.0	0.50
3-Nitroaniline	ND		ug/l	5.0	0.81
4-Nitroaniline	ND		ug/l	5.0	0.80
Dibenzofuran	ND		ug/l	2.0	0.50
2-Methylnaphthalene	ND		ug/l	2.0	0.45
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44
Acetophenone	ND		ug/l	5.0	0.53
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61
p-Chloro-m-cresol	ND		ug/l	2.0	0.35
2-Chlorophenol	ND		ug/l	2.0	0.48
2,4-Dichlorophenol	ND		ug/l	5.0	0.41
2,4-Dimethylphenol	ND		ug/l	5.0	1.8
2-Nitrophenol	ND		ug/l	10	0.85

**Project Name:** 266-270 WEST 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051332  
**Report Date:** 12/07/20

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 1,8270D  
Analytical Date: 11/20/20 04:43  
Analyst: JG

Extraction Method: EPA 3510C  
Extraction Date: 11/19/20 11:48

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG1436212-1					
4-Nitrophenol	ND		ug/l	10	0.67
2,4-Dinitrophenol	ND		ug/l	20	6.6
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8
Pentachlorophenol	ND		ug/l	10	1.8
Phenol	ND		ug/l	5.0	0.57
2-Methylphenol	ND		ug/l	5.0	0.49
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77
Benzoic Acid	ND		ug/l	50	2.6
Benzyl Alcohol	ND		ug/l	2.0	0.59
Carbazole	ND		ug/l	2.0	0.49

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	51		21-120
Phenol-d6	45		10-120
Nitrobenzene-d5	69		23-120
2-Fluorobiphenyl	69		15-120
2,4,6-Tribromophenol	46		10-120
4-Terphenyl-d14	85		41-149

**Project Name:** 266-270 WEST 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051332  
**Report Date:** 12/07/20

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 1,8270D-SIM  
Analytical Date: 11/20/20 12:05  
Analyst: DV

Extraction Method: EPA 3510C  
Extraction Date: 11/19/20 11:53

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-04 Batch: WG1436214-1					
Acenaphthene	ND		ug/l	0.10	0.01
2-Chloronaphthalene	ND		ug/l	0.20	0.02
Fluoranthene	ND		ug/l	0.10	0.02
Hexachlorobutadiene	ND		ug/l	0.50	0.05
Naphthalene	ND		ug/l	0.10	0.05
Benzo(a)anthracene	ND		ug/l	0.10	0.02
Benzo(a)pyrene	ND		ug/l	0.10	0.02
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01
Chrysene	ND		ug/l	0.10	0.01
Acenaphthylene	ND		ug/l	0.10	0.01
Anthracene	ND		ug/l	0.10	0.01
Benzo(ghi)perylene	ND		ug/l	0.10	0.01
Fluorene	ND		ug/l	0.10	0.01
Phenanthrene	ND		ug/l	0.10	0.02
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01
Pyrene	ND		ug/l	0.10	0.02
2-Methylnaphthalene	ND		ug/l	0.10	0.02
Pentachlorophenol	ND		ug/l	0.80	0.01
Hexachlorobenzene	ND		ug/l	0.80	0.01
Hexachloroethane	ND		ug/l	0.80	0.06

**Project Name:** 266-270 WEST 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051332  
**Report Date:** 12/07/20

**Method Blank Analysis  
 Batch Quality Control**

Analytical Method: 1,8270D-SIM  
 Analytical Date: 11/20/20 12:05  
 Analyst: DV

Extraction Method: EPA 3510C  
 Extraction Date: 11/19/20 11:53

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-04 Batch: WG1436214-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	49		21-120
Phenol-d6	41		10-120
Nitrobenzene-d5	72		23-120
2-Fluorobiphenyl	83		15-120
2,4,6-Tribromophenol	90		10-120
4-Terphenyl-d14	95		41-149

**Project Name:** 266-270 WEST 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051332  
**Report Date:** 12/07/20

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8270D-SIM  
Analytical Date: 11/23/20 10:14  
Analyst: PS

Extraction Method: EPA 3510C  
Extraction Date: 11/20/20 10:00

Parameter	Result	Qualifier	Units	RL	MDL
1,4 Dioxane by 8270D-SIM - Mansfield Lab for sample(s): 01-04 Batch: WG1436749-1					
1,4-Dioxane	ND		ng/l	150	33.9

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	41		15-110

**Project Name:** 266-270 WEST 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051332  
**Report Date:** 12/07/20

**Method Blank Analysis**  
**Batch Quality Control**

**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 12/03/20 22:22  
**Analyst:** JW

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 12/02/20 18:30

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-05 Batch: WG1440357-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/l	2.00	0.408
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	2.00	0.396
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	2.00	0.238
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	2.00	0.328
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	2.00	0.225
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	2.00	0.376
Perfluorooctanoic Acid (PFOA)	ND		ng/l	2.00	0.236
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	2.00	1.33
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	2.00	0.688
Perfluorononanoic Acid (PFNA)	ND		ng/l	2.00	0.312
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	2.00	0.504
Perfluorodecanoic Acid (PFDA)	ND		ng/l	2.00	0.304
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	2.00	1.21
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	2.00	0.648
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	2.00	0.260
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	2.00	0.980
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	2.00	0.580
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	2.00	0.804
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	2.00	0.372
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	2.00	0.327
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	2.00	0.248
PFOA/PFOS, Total	ND		ng/l	2.00	0.236

**Project Name:** 266-270 WEST 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051332  
**Report Date:** 12/07/20

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 134,LCMSMS-ID  
Analytical Date: 12/03/20 22:22  
Analyst: JW

Extraction Method: ALPHA 23528  
Extraction Date: 12/02/20 18:30

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-05 Batch: WG1440357-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	99		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	129		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	104		31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	100		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	107		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	116		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	97		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	121		1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	102		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	101		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	95		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	139		7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	107		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	106		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	29		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	93		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	108		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	72		33-143



## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 266-270 WEST 96TH STREET

**Lab Number:** L2051332

**Project Number:** 170432001

**Report Date:** 12/07/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1436212-2 WG1436212-3								
Acenaphthene	79		83		37-111	5		30
1,2,4-Trichlorobenzene	75		78		39-98	4		30
Hexachlorobenzene	82		87		40-140	6		30
Bis(2-chloroethyl)ether	76		80		40-140	5		30
2-Chloronaphthalene	80		83		40-140	4		30
1,2-Dichlorobenzene	72		76		40-140	5		30
1,3-Dichlorobenzene	72		74		40-140	3		30
1,4-Dichlorobenzene	72		74		36-97	3		30
3,3'-Dichlorobenzidine	70		73		40-140	4		30
2,4-Dinitrotoluene	81		88		48-143	8		30
2,6-Dinitrotoluene	82		88		40-140	7		30
Fluoranthene	90		95		40-140	5		30
4-Chlorophenyl phenyl ether	80		84		40-140	5		30
4-Bromophenyl phenyl ether	82		86		40-140	5		30
Bis(2-chloroisopropyl)ether	75		77		40-140	3		30
Bis(2-chloroethoxy)methane	76		79		40-140	4		30
Hexachlorobutadiene	72		75		40-140	4		30
Hexachlorocyclopentadiene	68		70		40-140	3		30
Hexachloroethane	71		72		40-140	1		30
Isophorone	78		83		40-140	6		30
Naphthalene	77		80		40-140	4		30
Nitrobenzene	76		80		40-140	5		30
NDPA/DPA	85		89		40-140	5		30

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 266-270 WEST 96TH STREET

Lab Number: L2051332

Project Number: 170432001

Report Date: 12/07/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1436212-2 WG1436212-3								
n-Nitrosodi-n-propylamine	80		86		29-132	7		30
Bis(2-ethylhexyl)phthalate	76		79		40-140	4		30
Butyl benzyl phthalate	86		91		40-140	6		30
Di-n-butylphthalate	78		83		40-140	6		30
Di-n-octylphthalate	85		88		40-140	3		30
Diethyl phthalate	83		89		40-140	7		30
Dimethyl phthalate	85		88		40-140	3		30
Benzo(a)anthracene	84		88		40-140	5		30
Benzo(a)pyrene	96		99		40-140	3		30
Benzo(b)fluoranthene	97		92		40-140	5		30
Benzo(k)fluoranthene	91		101		40-140	10		30
Chrysene	89		92		40-140	3		30
Acenaphthylene	84		90		45-123	7		30
Anthracene	88		92		40-140	4		30
Benzo(ghi)perylene	92		95		40-140	3		30
Fluorene	83		89		40-140	7		30
Phenanthrene	85		88		40-140	3		30
Dibenzo(a,h)anthracene	90		93		40-140	3		30
Indeno(1,2,3-cd)pyrene	88		94		40-140	7		30
Pyrene	89		92		26-127	3		30
Biphenyl	82		86		40-140	5		30
4-Chloroaniline	55		56		40-140	2		30
2-Nitroaniline	83		88		52-143	6		30

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 266-270 WEST 96TH STREET

Lab Number: L2051332

Project Number: 170432001

Report Date: 12/07/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1436212-2 WG1436212-3								
3-Nitroaniline	77		80		25-145	4		30
4-Nitroaniline	77		82		51-143	6		30
Dibenzofuran	80		84		40-140	5		30
2-Methylnaphthalene	79		83		40-140	5		30
1,2,4,5-Tetrachlorobenzene	78		82		2-134	5		30
Acetophenone	77		83		39-129	8		30
2,4,6-Trichlorophenol	81		86		30-130	6		30
p-Chloro-m-cresol	86		89		23-97	3		30
2-Chlorophenol	78		84		27-123	7		30
2,4-Dichlorophenol	81		86		30-130	6		30
2,4-Dimethylphenol	59		62		30-130	5		30
2-Nitrophenol	80		85		30-130	6		30
4-Nitrophenol	77		87	Q	10-80	12		30
2,4-Dinitrophenol	82		84		20-130	2		30
4,6-Dinitro-o-cresol	84		89		20-164	6		30
Pentachlorophenol	63		64		9-103	2		30
Phenol	56		58		12-110	4		30
2-Methylphenol	75		77		30-130	3		30
3-Methylphenol/4-Methylphenol	81		86		30-130	6		30
2,4,5-Trichlorophenol	85		90		30-130	6		30
Benzoic Acid	53		54		10-164	2		30
Benzyl Alcohol	75		78		26-116	4		30
Carbazole	88		92		55-144	4		30

## Lab Control Sample Analysis Batch Quality Control

**Project Name:** 266-270 WEST 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051332  
**Report Date:** 12/07/20

Parameter	<i>LCS</i> %Recovery	<i>Qual</i>	<i>LCSD</i> %Recovery	<i>Qual</i>	<i>%Recovery</i> Limits	<i>RPD</i>	<i>Qual</i>	<i>RPD</i> Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1436212-2 WG1436212-3								

<i>Surrogate</i>	<i>LCS</i> %Recovery	<i>Qual</i>	<i>LCSD</i> %Recovery	<i>Qual</i>	<i>Acceptance</i> Criteria
2-Fluorophenol	67		69		21-120
Phenol-d6	60		62		10-120
Nitrobenzene-d5	76		79		23-120
2-Fluorobiphenyl	75		79		15-120
2,4,6-Tribromophenol	111		117		10-120
4-Terphenyl-d14	89		91		41-149

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 266-270 WEST 96TH STREET

Lab Number: L2051332

Project Number: 170432001

Report Date: 12/07/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-04 Batch: WG1436214-2 WG1436214-3								
Acenaphthene	76		80		40-140	5		40
2-Chloronaphthalene	78		81		40-140	4		40
Fluoranthene	96		102		40-140	6		40
Hexachlorobutadiene	69		69		40-140	0		40
Naphthalene	70		71		40-140	1		40
Benzo(a)anthracene	94		99		40-140	5		40
Benzo(a)pyrene	102		109		40-140	7		40
Benzo(b)fluoranthene	94		104		40-140	10		40
Benzo(k)fluoranthene	101		102		40-140	1		40
Chrysene	90		94		40-140	4		40
Acenaphthylene	86		90		40-140	5		40
Anthracene	88		93		40-140	6		40
Benzo(ghi)perylene	92		98		40-140	6		40
Fluorene	85		90		40-140	6		40
Phenanthrene	83		87		40-140	5		40
Dibenzo(a,h)anthracene	97		102		40-140	5		40
Indeno(1,2,3-cd)pyrene	99		105		40-140	6		40
Pyrene	98		102		40-140	4		40
2-Methylnaphthalene	76		79		40-140	4		40
Pentachlorophenol	125		129		40-140	3		40
Hexachlorobenzene	82		86		40-140	5		40
Hexachloroethane	58		56		40-140	4		40

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 266-270 WEST 96TH STREET

**Project Number:** 170432001

**Lab Number:** L2051332

**Report Date:** 12/07/20

Parameter	<i>LCS</i> %Recovery	<i>Qual</i>	<i>LCSD</i> %Recovery	<i>Qual</i>	<i>%Recovery</i> Limits	<i>RPD</i>	<i>Qual</i>	<i>RPD</i> Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-04 Batch: WG1436214-2 WG1436214-3								

<i>Surrogate</i>	<i>LCS</i> %Recovery	<i>Qual</i>	<i>LCSD</i> %Recovery	<i>Qual</i>	<i>Acceptance</i> Criteria
2-Fluorophenol	58		56		21-120
Phenol-d6	47		47		10-120
Nitrobenzene-d5	71		70		23-120
2-Fluorobiphenyl	78		82		15-120
2,4,6-Tribromophenol	<b>121</b>	Q	<b>126</b>	Q	10-120
4-Terphenyl-d14	91		94		41-149

### Lab Control Sample Analysis Batch Quality Control

**Project Name:** 266-270 WEST 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051332  
**Report Date:** 12/07/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
1,4 Dioxane by 8270D-SIM - Mansfield Lab Associated sample(s): 01-04 Batch: WG1436749-2 WG1436749-3								
1,4-Dioxane	114		114		40-140	0		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,4-Dioxane-d8	42		43		15-110

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 266-270 WEST 96TH STREET

Lab Number: L2051332

Project Number: 170432001

Report Date: 12/07/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-05 Batch: WG1440357-2 WG1440357-3								
Perfluorobutanoic Acid (PFBA)	108		110		67-148	2		30
Perfluoropentanoic Acid (PFPeA)	112		114		63-161	2		30
Perfluorobutanesulfonic Acid (PFBS)	111		115		65-157	4		30
Perfluorohexanoic Acid (PFHxA)	109		113		69-168	4		30
Perfluoroheptanoic Acid (PFHpA)	104		108		58-159	4		30
Perfluorohexanesulfonic Acid (PFHxS)	114		111		69-177	3		30
Perfluorooctanoic Acid (PFOA)	106		109		63-159	3		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	112		122		49-187	9		30
Perfluoroheptanesulfonic Acid (PFHpS)	114		111		61-179	3		30
Perfluorononanoic Acid (PFNA)	106		108		68-171	2		30
Perfluorooctanesulfonic Acid (PFOS)	117		118		52-151	1		30
Perfluorodecanoic Acid (PFDA)	108		109		63-171	1		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	133		122		56-173	9		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	88		98		60-166	11		30
Perfluoroundecanoic Acid (PFUnA)	111		112		60-153	1		30
Perfluorodecanesulfonic Acid (PFDS)	122		115		38-156	6		30
Perfluorooctanesulfonamide (FOSA)	96		106		46-170	10		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	113		108		45-170	5		30
Perfluorododecanoic Acid (PFDoA)	109		112		67-153	3		30
Perfluorotridecanoic Acid (PFTrDA)	108		106		48-158	2		30
Perfluorotetradecanoic Acid (PFTA)	137		136		59-182	1		30



### Lab Control Sample Analysis Batch Quality Control

**Project Name:** 266-270 WEST 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051332  
**Report Date:** 12/07/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-05 Batch: WG1440357-2 WG1440357-3								

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	100		99		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	129		126		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	107		101		31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	102		102		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	107		107		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	113		112		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	100		100		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	139		127		1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	103		104		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	100		99		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	95		98		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	148		145		7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	110		99		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	108		106		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	25		32		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	85		90		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	109		112		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	73		74		33-143

## Matrix Spike Analysis

*Batch Quality Control*

**Project Name:** 266-270 WEST 96TH STREET

**Project Number:** 170432001

**Lab Number:** L2051332

**Report Date:** 12/07/20

<i>Parameter</i>	<i>Native Sample</i>	<i>MS Added</i>	<i>MS Found</i>	<i>MS %Recovery</i>	<i>Qual</i>	<i>MSD Found</i>	<i>MSD %Recovery</i>	<i>Qual</i>	<i>Recovery Limits</i>	<i>RPD</i>	<i>Qual</i>	<i>RPD Limits</i>
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG1436212-4 WG1436212-5 QC Sample: L2051332-02 Client ID: MW22_11182020												
1,2,4-Trichlorobenzene	ND	18.2	12	66		12	66		39-98	0		30
Bis(2-chloroethyl)ether	ND	18.2	11	61		11	61		40-140	0		30
1,2-Dichlorobenzene	1.6J	18.2	12	66		12	66		40-140	0		30
1,3-Dichlorobenzene	ND	18.2	11	61		11	61		40-140	0		30
1,4-Dichlorobenzene	ND	18.2	11	61		11	61		36-97	0		30
3,3'-Dichlorobenzidine	ND	18.2	11	61		12	66		40-140	9		30
2,4-Dinitrotoluene	ND	18.2	13	72		14	77		48-143	7		30
2,6-Dinitrotoluene	ND	18.2	14	77		16	88		40-140	13		30
4-Chlorophenyl phenyl ether	ND	18.2	12	66		13	72		40-140	8		30
4-Bromophenyl phenyl ether	ND	18.2	14	77		16	88		40-140	13		30
Bis(2-chloroisopropyl)ether	ND	18.2	11	61		12	66		40-140	9		30
Bis(2-chloroethoxy)methane	ND	18.2	12	66		12	66		40-140	0		30
Hexachlorocyclopentadiene	ND	18.2	16.J	88		17.J	94		40-140	6		30
Isophorone	ND	18.2	11	61		12	66		40-140	9		30
Nitrobenzene	ND	18.2	12	66		13	72		40-140	8		30
NDPA/DPA	ND	18.2	11	61		13	72		40-140	17		30
n-Nitrosodi-n-propylamine	ND	18.2	12	66		12	66		29-132	0		30
Bis(2-ethylhexyl)phthalate	ND	18.2	14	77		15	83		40-140	7		30
Butyl benzyl phthalate	ND	18.2	17	94		17	94		40-140	0		30
Di-n-butylphthalate	ND	18.2	14	77		14	77		40-140	0		30
Di-n-octylphthalate	ND	18.2	14	77		14	77		40-140	0		30
Diethyl phthalate	ND	18.2	13	72		14	77		40-140	7		30
Dimethyl phthalate	ND	18.2	12	66		13	72		40-140	8		30

## Matrix Spike Analysis

*Batch Quality Control*

**Project Name:** 266-270 WEST 96TH STREET

**Lab Number:** L2051332

**Project Number:** 170432001

**Report Date:** 12/07/20

<i>Parameter</i>	<i>Native Sample</i>	<i>MS Added</i>	<i>MS Found</i>	<i>MS %Recovery</i>	<i>Qual</i>	<i>MSD Found</i>	<i>MSD %Recovery</i>	<i>Qual</i>	<i>Recovery Limits</i>	<i>RPD</i>	<i>Qual</i>	<i>RPD Limits</i>
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG1436212-4 WG1436212-5 QC Sample: L2051332-02 Client ID: MW22_11182020												
Biphenyl	ND	18.2	12	66		12	66		40-140	0		30
4-Chloroaniline	ND	18.2	8.1	45		10	55		40-140	21		30
2-Nitroaniline	ND	18.2	14	77		16	88		52-143	13		30
3-Nitroaniline	ND	18.2	11	61		13	72		25-145	17		30
4-Nitroaniline	ND	18.2	12	66		12	66		51-143	0		30
Dibenzofuran	ND	18.2	11	61		12	66		40-140	9		30
1,2,4,5-Tetrachlorobenzene	ND	18.2	15	83		16	88		2-134	6		30
Acetophenone	ND	18.2	11	61		11	61		39-129	0		30
2,4,6-Trichlorophenol	ND	18.2	15	83		16	88		30-130	6		30
p-Chloro-m-cresol	ND	18.2	13	72		14	77		23-97	7		30
2-Chlorophenol	ND	18.2	12	66		12	66		27-123	0		30
2,4-Dichlorophenol	ND	18.2	13	72		14	77		30-130	7		30
2,4-Dimethylphenol	ND	18.2	12	66		12	66		30-130	0		30
2-Nitrophenol	ND	18.2	14	77		15	83		30-130	7		30
4-Nitrophenol	ND	18.2	12	66		13	72		10-80	8		30
2,4-Dinitrophenol	ND	18.2	16.J	88		14.J	77		20-130	13		30
4,6-Dinitro-o-cresol	ND	18.2	16	88		17	94		20-164	6		30
Phenol	ND	18.2	8.6	47		8.5	47		12-110	1		30
2-Methylphenol	ND	18.2	11	61		13	72		30-130	17		30
3-Methylphenol/4-Methylphenol	ND	18.2	11	61		13	72		30-130	17		30
2,4,5-Trichlorophenol	ND	18.2	16	88		17	94		30-130	6		30
Benzoic Acid	ND	18.2	14.J	77		11.J	61		10-164	24		30
Benzyl Alcohol	ND	18.2	11	61		11	61		26-116	0		30

## Matrix Spike Analysis

*Batch Quality Control*

**Project Name:** 266-270 WEST 96TH STREET

**Lab Number:** L2051332

**Project Number:** 170432001

**Report Date:** 12/07/20

<b>Parameter</b>	<b>Native Sample</b>	<b>MS Added</b>	<b>MS Found</b>	<b>MS %Recovery</b>	<b>Qual</b>	<b>MSD Found</b>	<b>MSD %Recovery</b>	<b>Qual</b>	<b>Recovery Limits</b>	<b>RPD</b>	<b>Qual</b>	<b>RPD Limits</b>
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG1436212-4 WG1436212-5 QC Sample: L2051332-02 Client ID: MW22_11182020												
Carbazole	ND	18.2	12	66		13	72		55-144	8		30

<b>Surrogate</b>	<b>MS</b>		<b>MSD</b>		<b>Acceptance Criteria</b>
	<b>% Recovery</b>	<b>Qualifier</b>	<b>% Recovery</b>	<b>Qualifier</b>	
2,4,6-Tribromophenol	116		132	Q	10-120
2-Fluorobiphenyl	65		69		15-120
2-Fluorophenol	56		60		21-120
4-Terphenyl-d14	75		78		41-149
Nitrobenzene-d5	65		70		23-120
Phenol-d6	50		51		10-120

## Matrix Spike Analysis

*Batch Quality Control*

**Project Name:** 266-270 WEST 96TH STREET

**Lab Number:** L2051332

**Project Number:** 170432001

**Report Date:** 12/07/20

<i>Parameter</i>	<i>Native Sample</i>	<i>MS Added</i>	<i>MS Found</i>	<i>MS %Recovery</i>	<i>Qual</i>	<i>MSD Found</i>	<i>MSD %Recovery</i>	<i>Qual</i>	<i>Recovery Limits</i>	<i>RPD</i>	<i>Qual</i>	<i>RPD Limits</i>
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG1436214-4 WG1436214-5 QC Sample: L2051332-02 Client ID: MW22_11182020												
Acenaphthene	ND	18.2	15	83		15	83		40-140	0		40
2-Chloronaphthalene	ND	18.2	16	88		16	88		40-140	0		40
Fluoranthene	ND	18.2	18	99		18	99		40-140	0		40
Hexachlorobutadiene	ND	18.2	14	77		14	77		40-140	0		40
Naphthalene	ND	18.2	15	83		14	77		40-140	7		40
Benzo(a)anthracene	ND	18.2	18	99		17	94		40-140	6		40
Benzo(a)pyrene	ND	18.2	20	110		19	100		40-140	5		40
Benzo(b)fluoranthene	0.02J	18.2	17	94		17	94		40-140	0		40
Benzo(k)fluoranthene	ND	18.2	19	100		18	99		40-140	5		40
Chrysene	ND	18.2	17	94		16	88		40-140	6		40
Acenaphthylene	ND	18.2	19	100		18	99		40-140	5		40
Anthracene	ND	18.2	17	94		17	94		40-140	0		40
Benzo(ghi)perylene	ND	18.2	17	94		17	94		40-140	0		40
Fluorene	ND	18.2	17	94		16	88		40-140	6		40
Phenanthrene	ND	18.2	16	88		16	88		40-140	0		40
Dibenzo(a,h)anthracene	ND	18.2	18	99		18	99		40-140	0		40
Indeno(1,2,3-cd)pyrene	0.01J	18.2	19	100		18	99		40-140	5		40
Pyrene	ND	18.2	18	99		18	99		40-140	0		40
2-Methylnaphthalene	ND	18.2	16	88		15	83		40-140	6		40
Pentachlorophenol	ND	18.2	23	130		20	110		40-140	14		40
Hexachlorobenzene	ND	18.2	16	88		15	83		40-140	6		40
Hexachloroethane	ND	18.2	12	66		12	66		40-140	0		40

### Matrix Spike Analysis Batch Quality Control

**Project Name:** 266-270 WEST 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051332  
**Report Date:** 12/07/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG1436214-4 WG1436214-5 QC Sample: L2051332-02 Client ID: MW22_11182020												

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
2,4,6-Tribromophenol	173	Q	167	Q	10-120
2-Fluorobiphenyl	89		87		15-120
2-Fluorophenol	68		67		21-120
4-Terphenyl-d14	92		89		41-149
Nitrobenzene-d5	81		79		23-120
Phenol-d6	58		56		10-120

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
1,4 Dioxane by 8270D-SIM - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG1436749-4 WG1436749-5 QC Sample: L2051332-02 Client ID: MW22_11182020												
1,4-Dioxane	200	5000	6040	117		6150	119		40-140	2		30

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,4-Dioxane-d8	36		38		15-110



## Matrix Spike Analysis

*Batch Quality Control*

**Project Name:** 266-270 WEST 96TH STREET

**Lab Number:** L2051332

**Project Number:** 170432001

**Report Date:** 12/07/20

<i>Parameter</i>	<i>Native Sample</i>	<i>MS Added</i>	<i>MS Found</i>	<i>MS %Recovery</i>	<i>Qual</i>	<i>MSD Found</i>	<i>MSD %Recovery</i>	<i>Qual</i>	<i>Recovery Limits</i>	<i>RPD</i>	<i>Qual</i>	<i>RPD Limits</i>
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG1440357-4 WG1440357-5 QC Sample: L2051332-02 Client ID: MW22_11182020												
Perfluorobutanoic Acid (PFBA)	23.2	34.8	61.3	110		63.9	111		67-148	4		30
Perfluoropentanoic Acid (PFPeA)	43.6	34.8	83.4	114		85.6	115		63-161	3		30
Perfluorobutanesulfonic Acid (PFBS)	12.6	30.9	47.5	113		50.0	115		65-157	5		30
Perfluorohexanoic Acid (PFHxA)	31.6	34.8	69.9	110		73.6	115		69-168	5		30
Perfluoroheptanoic Acid (PFHpA)	17.8	34.8	55.8	109		57.6	109		58-159	3		30
Perfluorohexanesulfonic Acid (PFHxS)	9.82	31.8	46.2	114		47.9	114		69-177	4		30
Perfluorooctanoic Acid (PFOA)	54.3F	34.8	93.7F	113		94.1F	109		63-159	0		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	33.1	41.2F	124		42.0F	120		49-187	2		30
Perfluoroheptanesulfonic Acid (PFHpS)	0.973J	33.1	41.6	123		43.3	121		61-179	4		30
Perfluorononanoic Acid (PFNA)	4.81	34.8	42.6	109		44.4	108		68-171	4		30
Perfluorooctanesulfonic Acid (PFOS)	55.6F	32.3	94.6F	121		97.7F	124		52-151	3		30
Perfluorodecanoic Acid (PFDA)	2.24	34.8	40.6	110		42.4	110		63-171	4		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	33.4	41.3F	124		44.3F	126		56-173	7		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	34.8	35.3F	102		37.8F	103		60-166	7		30
Perfluoroundecanoic Acid (PFUnA)	0.404J	34.8	38.1	108		41.6	112		60-153	9		30
Perfluorodecanesulfonic Acid (PFDS)	ND	33.5	38.0	113		44.0	125		38-156	15		30
Perfluorooctanesulfonamide (FOSA)	0.650JF	34.8	36.0F	102		40.5F	109		46-170	12		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	1.90F	34.8	42.2F	116		41.8F	109		45-170	1		30
Perfluorododecanoic Acid (PFDoA)	ND	34.8	38.0	109		40.4	110		67-153	6		30
Perfluorotridecanoic Acid (PFTrDA)	ND	34.8	37.2	107		38.6	105		48-158	4		30
Perfluorotetradecanoic Acid (PFTTA)	ND	34.8	47.2	136		49.5	135		59-182	5		30

## Matrix Spike Analysis

*Batch Quality Control*

**Project Name:** 266-270 WEST 96TH STREET

**Lab Number:** L2051332

**Project Number:** 170432001

**Report Date:** 12/07/20

<i>Parameter</i>	<i>Native Sample</i>	<i>MS Added</i>	<i>MS Found</i>	<i>MS %Recovery</i>	<i>Qual</i>	<i>MSD Found</i>	<i>MSD %Recovery</i>	<i>Qual</i>	<i>Recovery Limits</i>	<i>RPD</i>	<i>Qual</i>	<i>RPD Limits</i>
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG1440357-4 WG1440357-5 QC Sample: L2051332-02												
Client ID: MW22_11182020												

<i>Surrogate (Extracted Internal Standard)</i>	<i>MS</i>		<i>MSD</i>		<i>Acceptance Criteria</i>
	<i>% Recovery</i>	<i>Qualifier</i>	<i>% Recovery</i>	<i>Qualifier</i>	
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	191	Q	174	Q	7-170
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	223		219		1-244
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	70		76		23-146
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	75		73		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	90		86		40-144
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	85		82		38-144
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	84		81		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	95		95		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	108		106		47-153
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	85		87		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	57		57		33-143
Perfluoro[13C4]Butanoic Acid (MPFBA)	87		85		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	100		98		16-173
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	8		15		1-87
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	90		84		42-146
Perfluoro[13C8]Octanoic Acid (M8PFOA)	86		86		36-149
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	91		89		34-146
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	98		95		31-159



# PCBS

**Project Name:** 266-270 WEST 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051332  
**Report Date:** 12/07/20

**SAMPLE RESULTS**

**Lab ID:** L2051332-01  
**Client ID:** MW17\_11182020  
**Sample Location:** MANHATTAN, NY

**Date Collected:** 11/18/20 14:00  
**Date Received:** 11/18/20  
**Field Prep:** Refer to COC

**Sample Depth:**

**Matrix:** Water  
**Analytical Method:** 1,8082A  
**Analytical Date:** 11/20/20 21:46  
**Analyst:** JAW

**Extraction Method:** EPA 3510C  
**Extraction Date:** 11/20/20 01:58  
**Cleanup Method:** EPA 3665A  
**Cleanup Date:** 11/20/20  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 11/20/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Polychlorinated Biphenyls by GC - Westborough Lab</b>							
Aroclor 1016	ND		ug/l	0.083	0.034	1	A
Aroclor 1221	ND		ug/l	0.083	0.067	1	A
Aroclor 1232	ND		ug/l	0.083	0.046	1	A
Aroclor 1242	ND		ug/l	0.083	0.039	1	A
Aroclor 1248	ND		ug/l	0.083	0.049	1	A
Aroclor 1254	ND		ug/l	0.083	0.039	1	A
Aroclor 1260	ND		ug/l	0.083	0.032	1	A
Aroclor 1262	ND		ug/l	0.083	0.035	1	A
Aroclor 1268	ND		ug/l	0.083	0.034	1	A
PCBs, Total	ND		ug/l	0.083	0.032	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		30-150	A
Decachlorobiphenyl	60		30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		30-150	B
Decachlorobiphenyl	68		30-150	B

**Project Name:** 266-270 WEST 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051332  
**Report Date:** 12/07/20

**SAMPLE RESULTS**

**Lab ID:** L2051332-02  
**Client ID:** MW22\_11182020  
**Sample Location:** MANHATTAN, NY

**Date Collected:** 11/18/20 11:00  
**Date Received:** 11/18/20  
**Field Prep:** Refer to COC

**Sample Depth:**

**Matrix:** Water  
**Analytical Method:** 1,8082A  
**Analytical Date:** 11/20/20 21:22  
**Analyst:** JAW

**Extraction Method:** EPA 3510C  
**Extraction Date:** 11/20/20 01:58  
**Cleanup Method:** EPA 3665A  
**Cleanup Date:** 11/20/20  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 11/20/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Polychlorinated Biphenyls by GC - Westborough Lab</b>							
Aroclor 1016	ND		ug/l	0.083	0.034	1	A
Aroclor 1221	ND		ug/l	0.083	0.067	1	A
Aroclor 1232	ND		ug/l	0.083	0.046	1	A
Aroclor 1242	ND		ug/l	0.083	0.039	1	A
Aroclor 1248	ND		ug/l	0.083	0.049	1	A
Aroclor 1254	ND		ug/l	0.083	0.039	1	A
Aroclor 1260	ND		ug/l	0.083	0.032	1	A
Aroclor 1262	ND		ug/l	0.083	0.035	1	A
Aroclor 1268	ND		ug/l	0.083	0.034	1	A
PCBs, Total	ND		ug/l	0.083	0.032	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	78		30-150	A
Decachlorobiphenyl	75		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	83		30-150	B

**Project Name:** 266-270 WEST 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051332  
**Report Date:** 12/07/20

**SAMPLE RESULTS**

**Lab ID:** L2051332-03  
**Client ID:** GWDUP01\_11182020  
**Sample Location:** MANHATTAN, NY

**Date Collected:** 11/18/20 00:00  
**Date Received:** 11/18/20  
**Field Prep:** Refer to COC

**Sample Depth:**

**Matrix:** Water  
**Analytical Method:** 1,8082A  
**Analytical Date:** 11/20/20 21:54  
**Analyst:** JAW

**Extraction Method:** EPA 3510C  
**Extraction Date:** 11/20/20 01:58  
**Cleanup Method:** EPA 3665A  
**Cleanup Date:** 11/20/20  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 11/20/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Polychlorinated Biphenyls by GC - Westborough Lab</b>							
Aroclor 1016	ND		ug/l	0.083	0.034	1	A
Aroclor 1221	ND		ug/l	0.083	0.067	1	A
Aroclor 1232	ND		ug/l	0.083	0.046	1	A
Aroclor 1242	ND		ug/l	0.083	0.039	1	A
Aroclor 1248	ND		ug/l	0.083	0.049	1	A
Aroclor 1254	ND		ug/l	0.083	0.039	1	A
Aroclor 1260	ND		ug/l	0.083	0.032	1	A
Aroclor 1262	ND		ug/l	0.083	0.035	1	A
Aroclor 1268	ND		ug/l	0.083	0.034	1	A
PCBs, Total	ND		ug/l	0.083	0.032	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		30-150	A
Decachlorobiphenyl	51		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		30-150	B
Decachlorobiphenyl	76		30-150	B

**Project Name:** 266-270 WEST 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051332  
**Report Date:** 12/07/20

**SAMPLE RESULTS**

**Lab ID:** L2051332-04  
**Client ID:** GWFB01\_11182020  
**Sample Location:** MANHATTAN, NY

**Date Collected:** 11/18/20 14:00  
**Date Received:** 11/18/20  
**Field Prep:** Refer to COC

**Sample Depth:**

**Matrix:** Field Blank  
**Analytical Method:** 1,8082A  
**Analytical Date:** 11/20/20 22:02  
**Analyst:** JAW

**Extraction Method:** EPA 3510C  
**Extraction Date:** 11/20/20 01:58  
**Cleanup Method:** EPA 3665A  
**Cleanup Date:** 11/20/20  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 11/20/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Polychlorinated Biphenyls by GC - Westborough Lab</b>							
Aroclor 1016	ND		ug/l	0.083	0.034	1	A
Aroclor 1221	ND		ug/l	0.083	0.067	1	A
Aroclor 1232	ND		ug/l	0.083	0.046	1	A
Aroclor 1242	ND		ug/l	0.083	0.039	1	A
Aroclor 1248	ND		ug/l	0.083	0.049	1	A
Aroclor 1254	ND		ug/l	0.083	0.039	1	A
Aroclor 1260	ND		ug/l	0.083	0.032	1	A
Aroclor 1262	ND		ug/l	0.083	0.035	1	A
Aroclor 1268	ND		ug/l	0.083	0.034	1	A
PCBs, Total	ND		ug/l	0.083	0.032	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		30-150	A
Decachlorobiphenyl	50		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	72		30-150	B

**Project Name:** 266-270 WEST 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051332  
**Report Date:** 12/07/20

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 1,8082A  
Analytical Date: 11/19/20 23:53  
Analyst: JAW

Extraction Method: EPA 3510C  
Extraction Date: 11/19/20 07:51  
Cleanup Method: EPA 3665A  
Cleanup Date: 11/19/20  
Cleanup Method: EPA 3660B  
Cleanup Date: 11/19/20

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-04 Batch: WG1436074-1						
Aroclor 1016	ND		ug/l	0.083	0.034	A
Aroclor 1221	ND		ug/l	0.083	0.067	A
Aroclor 1232	ND		ug/l	0.083	0.046	A
Aroclor 1242	ND		ug/l	0.083	0.039	A
Aroclor 1248	ND		ug/l	0.083	0.049	A
Aroclor 1254	ND		ug/l	0.083	0.039	A
Aroclor 1260	ND		ug/l	0.083	0.032	A
Aroclor 1262	ND		ug/l	0.083	0.035	A
Aroclor 1268	ND		ug/l	0.083	0.034	A
PCBs, Total	ND		ug/l	0.083	0.032	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	75		30-150	A
Decachlorobiphenyl	78		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		30-150	B
Decachlorobiphenyl	86		30-150	B

### Lab Control Sample Analysis Batch Quality Control

**Project Name:** 266-270 WEST 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051332  
**Report Date:** 12/07/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-04 Batch: WG1436074-2 WG1436074-3									
Aroclor 1016	82		94		40-140	14		50	A
Aroclor 1260	76		87		40-140	14		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	79		90		30-150	A
Decachlorobiphenyl	82		99		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		86		30-150	B
Decachlorobiphenyl	88		97		30-150	B

## Matrix Spike Analysis

*Batch Quality Control*

**Project Name:** 266-270 WEST 96TH STREET

**Lab Number:** L2051332

**Project Number:** 170432001

**Report Date:** 12/07/20

<i>Parameter</i>	<i>Native Sample</i>	<i>MS Added</i>	<i>MS Found</i>	<i>MS %Recovery</i>	<i>Qual</i>	<i>MSD Found</i>	<i>MSD %Recovery</i>	<i>Qual</i>	<i>Recovery Limits</i>	<i>RPD</i>	<i>Qual</i>	<i>RPD Limits</i>	<i>Column</i>
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG1436074-6 WG1436074-7 QC Sample: L2051332-02 Client ID: MW22_11182020													
Aroclor 1016	ND	1.78	1.46	82		1.46	82		40-140	0		50	A
Aroclor 1260	ND	1.78	1.35	76		1.31	73		40-140	3		50	A

<i>Surrogate</i>	<i>MS</i>		<i>MSD</i>		<i>Acceptance Criteria</i>	<i>Column</i>
	<i>% Recovery</i>	<i>Qualifier</i>	<i>% Recovery</i>	<i>Qualifier</i>		
2,4,5,6-Tetrachloro-m-xylene	75		77		30-150	A
Decachlorobiphenyl	60		58		30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		73		30-150	B
Decachlorobiphenyl	76		78		30-150	B



# PESTICIDES

**Project Name:** 266-270 WEST 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051332  
**Report Date:** 12/07/20

**SAMPLE RESULTS**

**Lab ID:** L2051332-01  
**Client ID:** MW17\_11182020  
**Sample Location:** MANHATTAN, NY

**Date Collected:** 11/18/20 14:00  
**Date Received:** 11/18/20  
**Field Prep:** Refer to COC

**Sample Depth:**

**Matrix:** Water  
**Analytical Method:** 1,8081B  
**Analytical Date:** 11/23/20 09:29  
**Analyst:** BM

**Extraction Method:** EPA 3510C  
**Extraction Date:** 11/20/20 00:51

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Organochlorine Pesticides by GC - Westborough Lab</b>							
Delta-BHC	ND		ug/l	0.014	0.003	1	A
Lindane	ND		ug/l	0.014	0.003	1	A
Alpha-BHC	ND		ug/l	0.014	0.003	1	A
Beta-BHC	ND		ug/l	0.014	0.004	1	A
Heptachlor	ND		ug/l	0.014	0.002	1	A
Aldrin	ND		ug/l	0.014	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.014	0.003	1	A
Endrin	ND		ug/l	0.029	0.003	1	A
Endrin aldehyde	ND		ug/l	0.029	0.006	1	A
Endrin ketone	ND		ug/l	0.029	0.003	1	A
Dieldrin	ND		ug/l	0.029	0.003	1	A
4,4'-DDE	ND		ug/l	0.029	0.003	1	A
4,4'-DDD	ND		ug/l	0.029	0.003	1	A
4,4'-DDT	ND		ug/l	0.029	0.003	1	A
Endosulfan I	ND		ug/l	0.014	0.002	1	A
Endosulfan II	ND		ug/l	0.029	0.004	1	A
Endosulfan sulfate	ND		ug/l	0.029	0.003	1	A
Methoxychlor	ND		ug/l	0.143	0.005	1	A
Toxaphene	ND		ug/l	0.143	0.045	1	A
cis-Chlordane	ND		ug/l	0.014	0.005	1	A
trans-Chlordane	ND		ug/l	0.014	0.004	1	A
Chlordane	ND		ug/l	0.143	0.033	1	A

**Project Name:** 266-270 WEST 96TH STREET**Lab Number:** L2051332**Project Number:** 170432001**Report Date:** 12/07/20**SAMPLE RESULTS**

Lab ID: L2051332-01

Date Collected: 11/18/20 14:00

Client ID: MW17\_11182020

Date Received: 11/18/20

Sample Location: MANHATTAN, NY

Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	84		30-150	A
Decachlorobiphenyl	95		30-150	A
2,4,5,6-Tetrachloro-m-xylene	64		30-150	B
Decachlorobiphenyl	68		30-150	B

**Project Name:** 266-270 WEST 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051332  
**Report Date:** 12/07/20

**SAMPLE RESULTS**

Lab ID: L2051332-01  
 Client ID: MW17\_11182020  
 Sample Location: MANHATTAN, NY

Date Collected: 11/18/20 14:00  
 Date Received: 11/18/20  
 Field Prep: Refer to COC

Sample Depth:

Matrix: Water  
 Analytical Method: 1,8151A  
 Analytical Date: 11/20/20 14:35  
 Analyst: JMC

Extraction Method: EPA 8151A  
 Extraction Date: 11/19/20 22:16

Methylation Date: 11/20/20 08:07

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Chlorinated Herbicides by GC - Westborough Lab</b>							
2,4-D	ND		ug/l	10.0	0.498	1	A
2,4,5-T	ND		ug/l	2.00	0.531	1	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.539	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	94		30-150	A
DCAA	83		30-150	B

**Project Name:** 266-270 WEST 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051332  
**Report Date:** 12/07/20

**SAMPLE RESULTS**

**Lab ID:** L2051332-02  
**Client ID:** MW22\_11182020  
**Sample Location:** MANHATTAN, NY

**Date Collected:** 11/18/20 11:00  
**Date Received:** 11/18/20  
**Field Prep:** Refer to COC

**Sample Depth:**

**Matrix:** Water  
**Analytical Method:** 1,8081B  
**Analytical Date:** 11/23/20 08:57  
**Analyst:** BM

**Extraction Method:** EPA 3510C  
**Extraction Date:** 11/20/20 00:51

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Organochlorine Pesticides by GC - Westborough Lab</b>							
Delta-BHC	ND		ug/l	0.014	0.003	1	A
Lindane	ND		ug/l	0.014	0.003	1	A
Alpha-BHC	ND		ug/l	0.014	0.003	1	A
Beta-BHC	ND		ug/l	0.014	0.004	1	A
Heptachlor	ND		ug/l	0.014	0.002	1	A
Aldrin	ND		ug/l	0.014	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.014	0.003	1	A
Endrin	ND		ug/l	0.029	0.003	1	A
Endrin aldehyde	ND		ug/l	0.029	0.006	1	A
Endrin ketone	ND		ug/l	0.029	0.003	1	A
Dieldrin	ND		ug/l	0.029	0.003	1	A
4,4'-DDE	ND		ug/l	0.029	0.003	1	A
4,4'-DDD	ND		ug/l	0.029	0.003	1	A
4,4'-DDT	ND		ug/l	0.029	0.003	1	A
Endosulfan I	ND		ug/l	0.014	0.002	1	A
Endosulfan II	ND		ug/l	0.029	0.004	1	A
Endosulfan sulfate	ND		ug/l	0.029	0.003	1	A
Methoxychlor	ND		ug/l	0.143	0.005	1	A
Toxaphene	ND		ug/l	0.143	0.045	1	A
cis-Chlordane	ND		ug/l	0.014	0.005	1	A
trans-Chlordane	ND		ug/l	0.014	0.004	1	A
Chlordane	ND		ug/l	0.143	0.033	1	A

**Project Name:** 266-270 WEST 96TH STREET**Lab Number:** L2051332**Project Number:** 170432001**Report Date:** 12/07/20**SAMPLE RESULTS**

Lab ID: L2051332-02

Date Collected: 11/18/20 11:00

Client ID: MW22\_11182020

Date Received: 11/18/20

Sample Location: MANHATTAN, NY

Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	85		30-150	A
Decachlorobiphenyl	103		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	92		30-150	B

**Project Name:** 266-270 WEST 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051332  
**Report Date:** 12/07/20

**SAMPLE RESULTS**

Lab ID: L2051332-02  
 Client ID: MW22\_11182020  
 Sample Location: MANHATTAN, NY

Date Collected: 11/18/20 11:00  
 Date Received: 11/18/20  
 Field Prep: Refer to COC

Sample Depth:

Matrix: Water  
 Analytical Method: 1,8151A  
 Analytical Date: 11/20/20 14:54  
 Analyst: JMC

Extraction Method: EPA 8151A  
 Extraction Date: 11/19/20 22:16

Methylation Date: 11/20/20 08:07

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Chlorinated Herbicides by GC - Westborough Lab</b>							
2,4-D	ND		ug/l	10.0	0.498	1	A
2,4,5-T	ND		ug/l	2.00	0.531	1	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.539	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	95		30-150	A
DCAA	85		30-150	B

**Project Name:** 266-270 WEST 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051332  
**Report Date:** 12/07/20

**SAMPLE RESULTS**

**Lab ID:** L2051332-03  
**Client ID:** GWDUP01\_11182020  
**Sample Location:** MANHATTAN, NY

**Date Collected:** 11/18/20 00:00  
**Date Received:** 11/18/20  
**Field Prep:** Refer to COC

**Sample Depth:**

**Matrix:** Water  
**Analytical Method:** 1,8081B  
**Analytical Date:** 11/23/20 09:40  
**Analyst:** BM

**Extraction Method:** EPA 3510C  
**Extraction Date:** 11/20/20 00:51

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Organochlorine Pesticides by GC - Westborough Lab</b>							
Delta-BHC	ND		ug/l	0.014	0.003	1	A
Lindane	ND		ug/l	0.014	0.003	1	A
Alpha-BHC	ND		ug/l	0.014	0.003	1	A
Beta-BHC	ND		ug/l	0.014	0.004	1	A
Heptachlor	ND		ug/l	0.014	0.002	1	A
Aldrin	ND		ug/l	0.014	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.014	0.003	1	A
Endrin	ND		ug/l	0.029	0.003	1	A
Endrin aldehyde	ND		ug/l	0.029	0.006	1	A
Endrin ketone	ND		ug/l	0.029	0.003	1	A
Dieldrin	ND		ug/l	0.029	0.003	1	A
4,4'-DDE	ND		ug/l	0.029	0.003	1	A
4,4'-DDD	ND		ug/l	0.029	0.003	1	A
4,4'-DDT	ND		ug/l	0.029	0.003	1	A
Endosulfan I	ND		ug/l	0.014	0.002	1	A
Endosulfan II	ND		ug/l	0.029	0.004	1	A
Endosulfan sulfate	ND		ug/l	0.029	0.003	1	A
Methoxychlor	ND		ug/l	0.143	0.005	1	A
Toxaphene	ND		ug/l	0.143	0.045	1	A
cis-Chlordane	ND		ug/l	0.014	0.005	1	A
trans-Chlordane	ND		ug/l	0.014	0.004	1	A
Chlordane	ND		ug/l	0.143	0.033	1	A



**Project Name:** 266-270 WEST 96TH STREET**Lab Number:** L2051332**Project Number:** 170432001**Report Date:** 12/07/20**SAMPLE RESULTS**

Lab ID: L2051332-03  
 Client ID: GWDUP01\_11182020  
 Sample Location: MANHATTAN, NY

Date Collected: 11/18/20 00:00  
 Date Received: 11/18/20  
 Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	83		30-150	A
Decachlorobiphenyl	111		30-150	A
2,4,5,6-Tetrachloro-m-xylene	66		30-150	B
Decachlorobiphenyl	85		30-150	B

**Project Name:** 266-270 WEST 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051332  
**Report Date:** 12/07/20

**SAMPLE RESULTS**

Lab ID: L2051332-03  
 Client ID: GWDUP01\_11182020  
 Sample Location: MANHATTAN, NY

Date Collected: 11/18/20 00:00  
 Date Received: 11/18/20  
 Field Prep: Refer to COC

Sample Depth:

Matrix: Water  
 Analytical Method: 1,8151A  
 Analytical Date: 11/20/20 15:48  
 Analyst: JMC

Extraction Method: EPA 8151A  
 Extraction Date: 11/19/20 22:16

Methylation Date: 11/20/20 08:07

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Chlorinated Herbicides by GC - Westborough Lab</b>							
2,4-D	ND		ug/l	10.0	0.498	1	A
2,4,5-T	ND		ug/l	2.00	0.531	1	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.539	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	94		30-150	A
DCAA	83		30-150	B

**Project Name:** 266-270 WEST 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051332  
**Report Date:** 12/07/20

**SAMPLE RESULTS**

**Lab ID:** L2051332-04  
**Client ID:** GWFB01\_11182020  
**Sample Location:** MANHATTAN, NY

**Date Collected:** 11/18/20 14:00  
**Date Received:** 11/18/20  
**Field Prep:** Refer to COC

**Sample Depth:**

**Matrix:** Field Blank  
**Analytical Method:** 1,8081B  
**Analytical Date:** 11/23/20 09:51  
**Analyst:** BM

**Extraction Method:** EPA 3510C  
**Extraction Date:** 11/20/20 00:51

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Organochlorine Pesticides by GC - Westborough Lab</b>							
Delta-BHC	ND		ug/l	0.014	0.003	1	A
Lindane	ND		ug/l	0.014	0.003	1	A
Alpha-BHC	ND		ug/l	0.014	0.003	1	A
Beta-BHC	ND		ug/l	0.014	0.004	1	A
Heptachlor	ND		ug/l	0.014	0.002	1	A
Aldrin	ND		ug/l	0.014	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.014	0.003	1	A
Endrin	ND		ug/l	0.029	0.003	1	A
Endrin aldehyde	ND		ug/l	0.029	0.006	1	A
Endrin ketone	ND		ug/l	0.029	0.003	1	A
Dieldrin	ND		ug/l	0.029	0.003	1	A
4,4'-DDE	ND		ug/l	0.029	0.003	1	A
4,4'-DDD	ND		ug/l	0.029	0.003	1	A
4,4'-DDT	ND		ug/l	0.029	0.003	1	A
Endosulfan I	ND		ug/l	0.014	0.002	1	A
Endosulfan II	ND		ug/l	0.029	0.004	1	A
Endosulfan sulfate	ND		ug/l	0.029	0.003	1	A
Methoxychlor	ND		ug/l	0.143	0.005	1	A
Toxaphene	ND		ug/l	0.143	0.045	1	A
cis-Chlordane	ND		ug/l	0.014	0.005	1	A
trans-Chlordane	ND		ug/l	0.014	0.004	1	A
Chlordane	ND		ug/l	0.143	0.033	1	A

**Project Name:** 266-270 WEST 96TH STREET**Lab Number:** L2051332**Project Number:** 170432001**Report Date:** 12/07/20**SAMPLE RESULTS**

Lab ID: L2051332-04  
 Client ID: GWFB01\_11182020  
 Sample Location: MANHATTAN, NY

Date Collected: 11/18/20 14:00  
 Date Received: 11/18/20  
 Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	85		30-150	A
Decachlorobiphenyl	99		30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		30-150	B
Decachlorobiphenyl	79		30-150	B

**Project Name:** 266-270 WEST 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051332  
**Report Date:** 12/07/20

**SAMPLE RESULTS**

Lab ID: L2051332-04  
 Client ID: GWFB01\_11182020  
 Sample Location: MANHATTAN, NY

Date Collected: 11/18/20 14:00  
 Date Received: 11/18/20  
 Field Prep: Refer to COC

Sample Depth:

Matrix: Field Blank  
 Analytical Method: 1,8151A  
 Analytical Date: 11/20/20 16:06  
 Analyst: JMC

Extraction Method: EPA 8151A  
 Extraction Date: 11/19/20 22:16

Methylation Date: 11/20/20 08:07

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Chlorinated Herbicides by GC - Westborough Lab</b>							
2,4-D	ND		ug/l	10.0	0.498	1	A
2,4,5-T	ND		ug/l	2.00	0.531	1	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.539	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	92		30-150	A
DCAA	84		30-150	B

**Project Name:** 266-270 WEST 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051332  
**Report Date:** 12/07/20

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8081B  
Analytical Date: 11/19/20 21:12  
Analyst: JMC

Extraction Method: EPA 3510C  
Extraction Date: 11/19/20 07:49

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-04 Batch: WG1436069-1						
Delta-BHC	ND		ug/l	0.014	0.003	A
Lindane	ND		ug/l	0.014	0.003	A
Alpha-BHC	ND		ug/l	0.014	0.003	A
Beta-BHC	ND		ug/l	0.014	0.004	A
Heptachlor	ND		ug/l	0.014	0.002	A
Aldrin	ND		ug/l	0.014	0.002	A
Heptachlor epoxide	ND		ug/l	0.014	0.003	A
Endrin	ND		ug/l	0.029	0.003	A
Endrin aldehyde	ND		ug/l	0.029	0.006	A
Endrin ketone	ND		ug/l	0.029	0.003	A
Dieldrin	ND		ug/l	0.029	0.003	A
4,4'-DDE	ND		ug/l	0.029	0.003	A
4,4'-DDD	ND		ug/l	0.029	0.003	A
4,4'-DDT	ND		ug/l	0.029	0.003	A
Endosulfan I	ND		ug/l	0.014	0.002	A
Endosulfan II	ND		ug/l	0.029	0.004	A
Endosulfan sulfate	ND		ug/l	0.029	0.003	A
Methoxychlor	ND		ug/l	0.143	0.005	A
Toxaphene	ND		ug/l	0.143	0.045	A
cis-Chlordane	ND		ug/l	0.014	0.005	A
trans-Chlordane	ND		ug/l	0.014	0.004	A
Chlordane	ND		ug/l	0.143	0.033	A

**Project Name:** 266-270 WEST 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051332  
**Report Date:** 12/07/20

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8081B  
Analytical Date: 11/19/20 21:12  
Analyst: JMC

Extraction Method: EPA 3510C  
Extraction Date: 11/19/20 07:49

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-04 Batch: WG1436069-1						

Surrogate	%Recovery	Qualifier	Acceptance	
			Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		30-150	A
Decachlorobiphenyl	46		30-150	A
2,4,5,6-Tetrachloro-m-xylene	64		30-150	B
Decachlorobiphenyl	64		30-150	B

**Project Name:** 266-270 WEST 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051332  
**Report Date:** 12/07/20

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 1,8151A  
Analytical Date: 11/20/20 13:41  
Analyst: JMC

Extraction Method: EPA 8151A  
Extraction Date: 11/19/20 22:16

Methylation Date: 11/20/20 08:07

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 01-04 Batch: WG1436418-1						
2,4-D	ND		ug/l	10.0	0.498	A
2,4,5-T	ND		ug/l	2.00	0.531	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.539	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	88		30-150	A
DCAA	81		30-150	B



## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 266-270 WEST 96TH STREET

Lab Number: L2051332

Project Number: 170432001

Report Date: 12/07/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-04 Batch: WG1436069-2 WG1436069-3									
Delta-BHC	66		63		30-150	4		20	A
Lindane	65		63		30-150	3		20	A
Alpha-BHC	73		65		30-150	12		20	A
Beta-BHC	75		75		30-150	0		20	A
Heptachlor	69		63		30-150	10		20	A
Aldrin	62		59		30-150	5		20	A
Heptachlor epoxide	66		64		30-150	3		20	A
Endrin	59		59		30-150	1		20	A
Endrin aldehyde	34		38		30-150	12		20	A
Endrin ketone	54		50		30-150	8		20	A
Dieldrin	62		62		30-150	1		20	A
4,4'-DDE	59		58		30-150	2		20	A
4,4'-DDD	65		64		30-150	1		20	A
4,4'-DDT	58		58		30-150	1		20	A
Endosulfan I	61		61		30-150	1		20	A
Endosulfan II	59		59		30-150	0		20	A
Endosulfan sulfate	54		54		30-150	1		20	A
Methoxychlor	54		57		30-150	7		20	A
cis-Chlordane	57		55		30-150	2		20	A
trans-Chlordane	61		60		30-150	2		20	A

### Lab Control Sample Analysis Batch Quality Control

**Project Name:** 266-270 WEST 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051332  
**Report Date:** 12/07/20

Parameter	<i>LCS</i> %Recovery	<i>Qual</i>	<i>LCSD</i> %Recovery	<i>Qual</i>	<i>%Recovery</i> Limits	<i>RPD</i>	<i>Qual</i>	<i>RPD</i> Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-04 Batch: WG1436069-2 WG1436069-3								

<i>Surrogate</i>	<i>LCS</i> %Recovery	<i>Qual</i>	<i>LCSD</i> %Recovery	<i>Qual</i>	<i>Acceptance</i> Criteria	<i>Column</i>
2,4,5,6-Tetrachloro-m-xylene	63		62		30-150	A
Decachlorobiphenyl	47		53		30-150	A
2,4,5,6-Tetrachloro-m-xylene	56		55		30-150	B
Decachlorobiphenyl	69		58		30-150	B

### Lab Control Sample Analysis Batch Quality Control

**Project Name:** 266-270 WEST 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051332  
**Report Date:** 12/07/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 01-04 Batch: WG1436418-2 WG1436418-3									
2,4-D	91		95		30-150	4		25	A
2,4,5-T	91		96		30-150	5		25	A
2,4,5-TP (Silvex)	89		92		30-150	3		25	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	85		94		30-150	A
DCAA	89		95		30-150	B

## Matrix Spike Analysis

*Batch Quality Control*

**Project Name:** 266-270 WEST 96TH STREET

**Project Number:** 170432001

**Lab Number:** L2051332

**Report Date:** 12/07/20

<i>Parameter</i>	<i>Native Sample</i>	<i>MS Added</i>	<i>MS Found</i>	<i>MS %Recovery</i>	<i>Qual</i>	<i>MSD Found</i>	<i>MSD %Recovery</i>	<i>Qual</i>	<i>Recovery Limits</i>	<i>RPD</i>	<i>Qual</i>	<i>RPD Limits</i>	<i>Column</i>
Organochlorine Pesticides by GC - Westborough Lab ID: MW22_11182020 Associated sample(s): 01-04 QC Batch ID: WG1436069-4 WG1436069-5 QC Sample: L2051332-02 Client													
Delta-BHC	ND	0.357	0.218	61		0.223	62		30-150	2		30	A
Lindane	ND	0.357	0.236	66		0.245	69		30-150	4		30	A
Alpha-BHC	ND	0.357	0.236	66		0.244	68		30-150	3		30	A
Beta-BHC	ND	0.357	0.271	76		0.287	80		30-150	6		30	A
Heptachlor	ND	0.357	0.258	72		0.265	74		30-150	3		30	A
Aldrin	ND	0.357	0.237	66		0.247	69		30-150	4		30	A
Heptachlor epoxide	ND	0.357	0.256	72		0.253	71		30-150	1		30	A
Endrin	ND	0.357	0.270	76		0.272	76		30-150	1		30	A
Endrin aldehyde	ND	0.357	0.226	63		0.247	69		30-150	9		30	A
Endrin ketone	ND	0.357	0.258	72		0.252	71		30-150	2		30	A
Dieldrin	ND	0.357	0.223	62		0.228	64		30-150	2		30	A
4,4'-DDE	ND	0.357	0.243	68		0.249	70		30-150	2		30	A
4,4'-DDD	ND	0.357	0.238	67		0.239	67		30-150	0		30	A
4,4'-DDT	ND	0.357	0.248	69		0.223	62		30-150	11		30	A
Endosulfan I	ND	0.357	0.255	71		0.262	73		30-150	3		30	A
Endosulfan II	ND	0.357	0.270	76		0.273	76		30-150	1		30	A
Endosulfan sulfate	ND	0.357	0.282	79		0.278	78		30-150	1		30	A
Methoxychlor	ND	0.357	0.289	81		0.294	82		30-150	2		30	A
cis-Chlordane	ND	0.357	0.240	67		0.250	70		30-150	4		30	A
trans-Chlordane	ND	0.357	0.252	71		0.260	73		30-150	3		30	A

## Matrix Spike Analysis

*Batch Quality Control*

**Project Name:** 266-270 WEST 96TH STREET

**Project Number:** 170432001

**Lab Number:** L2051332

**Report Date:** 12/07/20

<b>Parameter</b>	<b>Native Sample</b>	<b>MS Added</b>	<b>MS Found</b>	<b>MS %Recovery</b>	<b>Qual</b>	<b>MSD Found</b>	<b>MSD %Recovery</b>	<b>Qual</b>	<b>Recovery Limits</b>	<b>RPD</b>	<b>Qual</b>	<b>RPD Limits</b>
------------------	----------------------	-----------------	-----------------	---------------------	-------------	------------------	----------------------	-------------	------------------------	------------	-------------	-------------------

Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG1436069-4 WG1436069-5 QC Sample: L2051332-02 Client ID: MW22\_11182020

<b>Surrogate</b>	<b>MS % Recovery</b>	<b>Qualifier</b>	<b>MSD % Recovery</b>	<b>Qualifier</b>	<b>Acceptance Criteria</b>	<b>Column</b>
2,4,5,6-Tetrachloro-m-xylene	69		73		30-150	A
Decachlorobiphenyl	95		90		30-150	A
2,4,5,6-Tetrachloro-m-xylene	52		59		30-150	B
Decachlorobiphenyl	73		70		30-150	B

### Matrix Spike Analysis Batch Quality Control

**Project Name:** 266-270 WEST 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051332  
**Report Date:** 12/07/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG1436418-4 WG1436418-5 QC Sample: L2051332-02 Client ID: MW22_11182020													
2,4-D	ND	5	4.68J	94		4.44J	89		30-150	5		25	A
2,4,5-T	ND	5	4.67	93		4.49	90		30-150	4		25	A
2,4,5-TP (Silvex)	ND	5	4.47	89		4.26	85		30-150	5		25	A

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria	Column
DCAA	90		89		30-150	A
DCAA	251	Q	233	Q	30-150	B

## METALS

Project Name: 266-270 WEST 96TH STREET

Lab Number: L2051332

Project Number: 170432001

Report Date: 12/07/20

## SAMPLE RESULTS

Lab ID: L2051332-01  
 Client ID: MW17\_11182020  
 Sample Location: MANHATTAN, NY

Date Collected: 11/18/20 14:00  
 Date Received: 11/18/20  
 Field Prep: Refer to COC

Sample Depth:  
 Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Aluminum, Total	0.0910		mg/l	0.0100	0.00327	1	11/24/20 03:30	11/24/20 13:28	EPA 3005A	1,6020B	AM
Antimony, Total	ND		mg/l	0.00400	0.00042	1	11/24/20 03:30	11/24/20 13:28	EPA 3005A	1,6020B	AM
Arsenic, Total	0.00046	J	mg/l	0.00050	0.00016	1	11/24/20 03:30	11/24/20 13:28	EPA 3005A	1,6020B	AM
Barium, Total	0.02803		mg/l	0.00050	0.00017	1	11/24/20 03:30	11/24/20 13:28	EPA 3005A	1,6020B	AM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	11/24/20 03:30	11/24/20 13:28	EPA 3005A	1,6020B	AM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	11/24/20 03:30	11/24/20 13:28	EPA 3005A	1,6020B	AM
Calcium, Total	92.1		mg/l	0.100	0.0394	1	11/24/20 03:30	11/24/20 13:28	EPA 3005A	1,6020B	AM
Chromium, Total	0.00051	J	mg/l	0.00100	0.00017	1	11/24/20 03:30	11/24/20 13:28	EPA 3005A	1,6020B	AM
Cobalt, Total	0.00040	J	mg/l	0.00050	0.00016	1	11/24/20 03:30	11/24/20 13:28	EPA 3005A	1,6020B	AM
Copper, Total	0.00183		mg/l	0.00100	0.00038	1	11/24/20 03:30	11/24/20 13:28	EPA 3005A	1,6020B	AM
Iron, Total	0.207		mg/l	0.0500	0.0191	1	11/24/20 03:30	11/24/20 13:28	EPA 3005A	1,6020B	AM
Lead, Total	0.00223		mg/l	0.00100	0.00034	1	11/24/20 03:30	11/24/20 13:28	EPA 3005A	1,6020B	AM
Magnesium, Total	16.7		mg/l	0.0700	0.0242	1	11/24/20 03:30	11/24/20 13:28	EPA 3005A	1,6020B	AM
Manganese, Total	0.06344		mg/l	0.00100	0.00044	1	11/24/20 03:30	11/24/20 13:28	EPA 3005A	1,6020B	AM
Mercury, Total	ND		mg/l	0.00020	0.00009	1	11/24/20 06:10	11/24/20 10:16	EPA 7470A	1,7470A	EW
Nickel, Total	0.00479		mg/l	0.00200	0.00055	1	11/24/20 03:30	11/24/20 13:28	EPA 3005A	1,6020B	AM
Potassium, Total	12.9		mg/l	0.100	0.0309	1	11/24/20 03:30	11/24/20 13:28	EPA 3005A	1,6020B	AM
Selenium, Total	0.00200	J	mg/l	0.00500	0.00173	1	11/24/20 03:30	11/24/20 13:28	EPA 3005A	1,6020B	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	11/24/20 03:30	11/24/20 13:28	EPA 3005A	1,6020B	AM
Sodium, Total	181.		mg/l	0.100	0.0293	1	11/24/20 03:30	11/24/20 13:28	EPA 3005A	1,6020B	AM
Thallium, Total	ND		mg/l	0.00100	0.00014	1	11/24/20 03:30	11/24/20 13:28	EPA 3005A	1,6020B	AM
Vanadium, Total	0.00579		mg/l	0.00500	0.00157	1	11/24/20 03:30	11/24/20 13:28	EPA 3005A	1,6020B	AM
Zinc, Total	ND		mg/l	0.01000	0.00341	1	11/24/20 03:30	11/24/20 13:28	EPA 3005A	1,6020B	AM
<b>Dissolved Metals - Mansfield Lab</b>											
Aluminum, Dissolved	0.00506	J	mg/l	0.0100	0.00327	1	11/24/20 04:04	11/24/20 13:49	EPA 3005A	1,6020B	AM
Antimony, Dissolved	ND		mg/l	0.00400	0.00042	1	11/24/20 04:04	11/24/20 13:49	EPA 3005A	1,6020B	AM
Arsenic, Dissolved	0.00044	J	mg/l	0.00050	0.00016	1	11/24/20 04:04	11/24/20 13:49	EPA 3005A	1,6020B	AM
Barium, Dissolved	0.02723		mg/l	0.00050	0.00017	1	11/24/20 04:04	11/24/20 13:49	EPA 3005A	1,6020B	AM
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	11/24/20 04:04	11/24/20 13:49	EPA 3005A	1,6020B	AM





Project Name: 266-270 WEST 96TH STREET

Lab Number: L2051332

Project Number: 170432001

Report Date: 12/07/20

## SAMPLE RESULTS

Lab ID: L2051332-01  
 Client ID: MW17\_11182020  
 Sample Location: MANHATTAN, NY

Date Collected: 11/18/20 14:00  
 Date Received: 11/18/20  
 Field Prep: Refer to COC

Sample Depth:  
 Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	11/24/20 04:04	11/24/20 13:49	EPA 3005A	1,6020B	AM
Calcium, Dissolved	90.5		mg/l	0.100	0.0394	1	11/24/20 04:04	11/24/20 13:49	EPA 3005A	1,6020B	AM
Chromium, Dissolved	0.00025	J	mg/l	0.00100	0.00017	1	11/24/20 04:04	11/24/20 13:49	EPA 3005A	1,6020B	AM
Cobalt, Dissolved	0.00042	J	mg/l	0.00050	0.00016	1	11/24/20 04:04	11/24/20 13:49	EPA 3005A	1,6020B	AM
Copper, Dissolved	0.00115		mg/l	0.00100	0.00038	1	11/24/20 04:04	11/24/20 13:49	EPA 3005A	1,6020B	AM
Iron, Dissolved	0.0193	J	mg/l	0.0500	0.0191	1	11/24/20 04:04	11/24/20 13:49	EPA 3005A	1,6020B	AM
Lead, Dissolved	ND		mg/l	0.00100	0.00034	1	11/24/20 04:04	11/24/20 13:49	EPA 3005A	1,6020B	AM
Magnesium, Dissolved	17.2		mg/l	0.0700	0.0242	1	11/24/20 04:04	11/24/20 13:49	EPA 3005A	1,6020B	AM
Manganese, Dissolved	0.06513		mg/l	0.00100	0.00044	1	11/24/20 04:04	11/24/20 13:49	EPA 3005A	1,6020B	AM
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	11/24/20 06:10	11/24/20 12:35	EPA 7470A	1,7470A	EW
Nickel, Dissolved	0.00579		mg/l	0.00200	0.00055	1	11/24/20 04:04	11/24/20 13:49	EPA 3005A	1,6020B	AM
Potassium, Dissolved	13.0		mg/l	0.100	0.0309	1	11/24/20 04:04	11/24/20 13:49	EPA 3005A	1,6020B	AM
Selenium, Dissolved	0.00200	J	mg/l	0.00500	0.00173	1	11/24/20 04:04	11/24/20 13:49	EPA 3005A	1,6020B	AM
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	11/24/20 04:04	11/24/20 13:49	EPA 3005A	1,6020B	AM
Sodium, Dissolved	191.		mg/l	0.100	0.0293	1	11/24/20 04:04	11/24/20 13:49	EPA 3005A	1,6020B	AM
Thallium, Dissolved	ND		mg/l	0.00050	0.00014	1	11/24/20 04:04	11/24/20 13:49	EPA 3005A	1,6020B	AM
Vanadium, Dissolved	0.00506		mg/l	0.00500	0.00157	1	11/24/20 04:04	11/24/20 13:49	EPA 3005A	1,6020B	AM
Zinc, Dissolved	ND		mg/l	0.01000	0.00341	1	11/24/20 04:04	11/24/20 13:49	EPA 3005A	1,6020B	AM



Project Name: 266-270 WEST 96TH STREET

Lab Number: L2051332

Project Number: 170432001

Report Date: 12/07/20

## SAMPLE RESULTS

Lab ID: L2051332-02

Date Collected: 11/18/20 11:00

Client ID: MW22\_11182020

Date Received: 11/18/20

Sample Location: MANHATTAN, NY

Field Prep: Refer to COC

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Aluminum, Total	ND		mg/l	0.0100	0.00327	1	11/24/20 03:30	11/24/20 12:13	EPA 3005A	1,6020B	AM
Antimony, Total	0.00092	J	mg/l	0.00400	0.00042	1	11/24/20 03:30	11/24/20 12:13	EPA 3005A	1,6020B	AM
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	11/24/20 03:30	11/24/20 12:13	EPA 3005A	1,6020B	AM
Barium, Total	0.06349		mg/l	0.00050	0.00017	1	11/24/20 03:30	11/24/20 12:13	EPA 3005A	1,6020B	AM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	11/24/20 03:30	11/24/20 12:13	EPA 3005A	1,6020B	AM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	11/24/20 03:30	11/24/20 12:13	EPA 3005A	1,6020B	AM
Calcium, Total	204.		mg/l	0.100	0.0394	1	11/24/20 03:30	11/24/20 12:13	EPA 3005A	1,6020B	AM
Chromium, Total	ND		mg/l	0.00100	0.00017	1	11/24/20 03:30	11/24/20 12:13	EPA 3005A	1,6020B	AM
Cobalt, Total	0.00089		mg/l	0.00050	0.00016	1	11/24/20 03:30	11/24/20 12:13	EPA 3005A	1,6020B	AM
Copper, Total	0.00056	J	mg/l	0.00100	0.00038	1	11/24/20 03:30	11/24/20 12:13	EPA 3005A	1,6020B	AM
Iron, Total	0.202		mg/l	0.0500	0.0191	1	11/24/20 03:30	11/24/20 12:13	EPA 3005A	1,6020B	AM
Lead, Total	0.00061	J	mg/l	0.00100	0.00034	1	11/24/20 03:30	11/24/20 12:13	EPA 3005A	1,6020B	AM
Magnesium, Total	30.6		mg/l	0.0700	0.0242	1	11/24/20 03:30	11/24/20 12:13	EPA 3005A	1,6020B	AM
Manganese, Total	0.9115		mg/l	0.00100	0.00044	1	11/24/20 03:30	11/24/20 12:13	EPA 3005A	1,6020B	AM
Mercury, Total	ND		mg/l	0.00020	0.00009	1	11/24/20 06:10	11/24/20 10:03	EPA 7470A	1,7470A	EW
Nickel, Total	0.00512		mg/l	0.00200	0.00055	1	11/24/20 03:30	11/24/20 12:13	EPA 3005A	1,6020B	AM
Potassium, Total	13.8		mg/l	0.100	0.0309	1	11/24/20 03:30	11/24/20 12:13	EPA 3005A	1,6020B	AM
Selenium, Total	ND		mg/l	0.00500	0.00173	1	11/24/20 03:30	11/24/20 12:13	EPA 3005A	1,6020B	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	11/24/20 03:30	11/24/20 12:13	EPA 3005A	1,6020B	AM
Sodium, Total	136.		mg/l	0.100	0.0293	1	11/24/20 03:30	11/24/20 12:13	EPA 3005A	1,6020B	AM
Thallium, Total	0.00027	J	mg/l	0.00100	0.00014	1	11/24/20 03:30	11/24/20 12:13	EPA 3005A	1,6020B	AM
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	11/24/20 03:30	11/24/20 12:13	EPA 3005A	1,6020B	AM
Zinc, Total	ND		mg/l	0.01000	0.00341	1	11/24/20 03:30	11/24/20 12:13	EPA 3005A	1,6020B	AM
<b>Dissolved Metals - Mansfield Lab</b>											
Aluminum, Dissolved	ND		mg/l	0.0100	0.00327	1	11/24/20 04:04	11/24/20 12:41	EPA 3005A	1,6020B	AM
Antimony, Dissolved	0.00124	J	mg/l	0.00400	0.00042	1	11/24/20 04:04	11/24/20 12:41	EPA 3005A	1,6020B	AM
Arsenic, Dissolved	ND		mg/l	0.00050	0.00016	1	11/24/20 04:04	11/24/20 12:41	EPA 3005A	1,6020B	AM
Barium, Dissolved	0.06325		mg/l	0.00050	0.00017	1	11/24/20 04:04	11/24/20 12:41	EPA 3005A	1,6020B	AM
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	11/24/20 04:04	11/24/20 12:41	EPA 3005A	1,6020B	AM



**Project Name:** 266-270 WEST 96TH STREET**Lab Number:** L2051332**Project Number:** 170432001**Report Date:** 12/07/20**SAMPLE RESULTS**

Lab ID: L2051332-02

Date Collected: 11/18/20 11:00

Client ID: MW22\_11182020

Date Received: 11/18/20

Sample Location: MANHATTAN, NY

Field Prep: Refer to COC

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	11/24/20 04:04	11/24/20 12:41	EPA 3005A	1,6020B	AM
Calcium, Dissolved	206.		mg/l	0.100	0.0394	1	11/24/20 04:04	11/24/20 12:41	EPA 3005A	1,6020B	AM
Chromium, Dissolved	0.00033	J	mg/l	0.00100	0.00017	1	11/24/20 04:04	11/24/20 12:41	EPA 3005A	1,6020B	AM
Cobalt, Dissolved	0.00077		mg/l	0.00050	0.00016	1	11/24/20 04:04	11/24/20 12:41	EPA 3005A	1,6020B	AM
Copper, Dissolved	0.00053	J	mg/l	0.00100	0.00038	1	11/24/20 04:04	11/24/20 12:41	EPA 3005A	1,6020B	AM
Iron, Dissolved	0.192		mg/l	0.0500	0.0191	1	11/24/20 04:04	11/24/20 12:41	EPA 3005A	1,6020B	AM
Lead, Dissolved	ND		mg/l	0.00100	0.00034	1	11/24/20 04:04	11/24/20 12:41	EPA 3005A	1,6020B	AM
Magnesium, Dissolved	33.1		mg/l	0.0700	0.0242	1	11/24/20 04:04	11/24/20 12:41	EPA 3005A	1,6020B	AM
Manganese, Dissolved	0.9024		mg/l	0.00100	0.00044	1	11/24/20 04:04	11/24/20 12:41	EPA 3005A	1,6020B	AM
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	11/24/20 06:10	11/24/20 12:05	EPA 7470A	1,7470A	EW
Nickel, Dissolved	0.00483		mg/l	0.00200	0.00055	1	11/24/20 04:04	11/24/20 12:41	EPA 3005A	1,6020B	AM
Potassium, Dissolved	13.9		mg/l	0.100	0.0309	1	11/24/20 04:04	11/24/20 12:41	EPA 3005A	1,6020B	AM
Selenium, Dissolved	ND		mg/l	0.00500	0.00173	1	11/24/20 04:04	11/24/20 12:41	EPA 3005A	1,6020B	AM
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	11/24/20 04:04	11/24/20 12:41	EPA 3005A	1,6020B	AM
Sodium, Dissolved	147.		mg/l	0.100	0.0293	1	11/24/20 04:04	11/24/20 12:41	EPA 3005A	1,6020B	AM
Thallium, Dissolved	0.00021	J	mg/l	0.00050	0.00014	1	11/24/20 04:04	11/24/20 12:41	EPA 3005A	1,6020B	AM
Vanadium, Dissolved	ND		mg/l	0.00500	0.00157	1	11/24/20 04:04	11/24/20 12:41	EPA 3005A	1,6020B	AM
Zinc, Dissolved	ND		mg/l	0.01000	0.00341	1	11/24/20 04:04	11/24/20 12:41	EPA 3005A	1,6020B	AM



Project Name: 266-270 WEST 96TH STREET

Lab Number: L2051332

Project Number: 170432001

Report Date: 12/07/20

## SAMPLE RESULTS

Lab ID: L2051332-03  
 Client ID: GWDUP01\_11182020  
 Sample Location: MANHATTAN, NY

Date Collected: 11/18/20 00:00  
 Date Received: 11/18/20  
 Field Prep: Refer to COC

Sample Depth:  
 Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Aluminum, Total	0.00404	J	mg/l	0.0100	0.00327	1	11/24/20 03:30	11/24/20 13:33	EPA 3005A	1,6020B	AM
Antimony, Total	ND		mg/l	0.00400	0.00042	1	11/24/20 03:30	11/24/20 13:33	EPA 3005A	1,6020B	AM
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	11/24/20 03:30	11/24/20 13:33	EPA 3005A	1,6020B	AM
Barium, Total	0.06312		mg/l	0.00050	0.00017	1	11/24/20 03:30	11/24/20 13:33	EPA 3005A	1,6020B	AM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	11/24/20 03:30	11/24/20 13:33	EPA 3005A	1,6020B	AM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	11/24/20 03:30	11/24/20 13:33	EPA 3005A	1,6020B	AM
Calcium, Total	203.		mg/l	0.100	0.0394	1	11/24/20 03:30	11/24/20 13:33	EPA 3005A	1,6020B	AM
Chromium, Total	ND		mg/l	0.00100	0.00017	1	11/24/20 03:30	11/24/20 13:33	EPA 3005A	1,6020B	AM
Cobalt, Total	0.00083		mg/l	0.00050	0.00016	1	11/24/20 03:30	11/24/20 13:33	EPA 3005A	1,6020B	AM
Copper, Total	0.00051	J	mg/l	0.00100	0.00038	1	11/24/20 03:30	11/24/20 13:33	EPA 3005A	1,6020B	AM
Iron, Total	0.217		mg/l	0.0500	0.0191	1	11/24/20 03:30	11/24/20 13:33	EPA 3005A	1,6020B	AM
Lead, Total	0.00073	J	mg/l	0.00100	0.00034	1	11/24/20 03:30	11/24/20 13:33	EPA 3005A	1,6020B	AM
Magnesium, Total	29.8		mg/l	0.0700	0.0242	1	11/24/20 03:30	11/24/20 13:33	EPA 3005A	1,6020B	AM
Manganese, Total	0.8956		mg/l	0.00100	0.00044	1	11/24/20 03:30	11/24/20 13:33	EPA 3005A	1,6020B	AM
Mercury, Total	ND		mg/l	0.00020	0.00009	1	11/24/20 06:10	11/24/20 10:19	EPA 7470A	1,7470A	EW
Nickel, Total	0.00487		mg/l	0.00200	0.00055	1	11/24/20 03:30	11/24/20 13:33	EPA 3005A	1,6020B	AM
Potassium, Total	13.3		mg/l	0.100	0.0309	1	11/24/20 03:30	11/24/20 13:33	EPA 3005A	1,6020B	AM
Selenium, Total	ND		mg/l	0.00500	0.00173	1	11/24/20 03:30	11/24/20 13:33	EPA 3005A	1,6020B	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	11/24/20 03:30	11/24/20 13:33	EPA 3005A	1,6020B	AM
Sodium, Total	134.		mg/l	0.100	0.0293	1	11/24/20 03:30	11/24/20 13:33	EPA 3005A	1,6020B	AM
Thallium, Total	ND		mg/l	0.00100	0.00014	1	11/24/20 03:30	11/24/20 13:33	EPA 3005A	1,6020B	AM
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	11/24/20 03:30	11/24/20 13:33	EPA 3005A	1,6020B	AM
Zinc, Total	ND		mg/l	0.01000	0.00341	1	11/24/20 03:30	11/24/20 13:33	EPA 3005A	1,6020B	AM
<b>Dissolved Metals - Mansfield Lab</b>											
Aluminum, Dissolved	ND		mg/l	0.0100	0.00327	1	11/24/20 04:04	11/24/20 13:54	EPA 3005A	1,6020B	AM
Antimony, Dissolved	ND		mg/l	0.00400	0.00042	1	11/24/20 04:04	11/24/20 13:54	EPA 3005A	1,6020B	AM
Arsenic, Dissolved	ND		mg/l	0.00050	0.00016	1	11/24/20 04:04	11/24/20 13:54	EPA 3005A	1,6020B	AM
Barium, Dissolved	0.06350		mg/l	0.00050	0.00017	1	11/24/20 04:04	11/24/20 13:54	EPA 3005A	1,6020B	AM
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	11/24/20 04:04	11/24/20 13:54	EPA 3005A	1,6020B	AM



**Project Name:** 266-270 WEST 96TH STREET**Lab Number:** L2051332**Project Number:** 170432001**Report Date:** 12/07/20**SAMPLE RESULTS**

Lab ID: L2051332-03  
 Client ID: GWDUP01\_11182020  
 Sample Location: MANHATTAN, NY

Date Collected: 11/18/20 00:00  
 Date Received: 11/18/20  
 Field Prep: Refer to COC

Sample Depth:  
 Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	11/24/20 04:04	11/24/20 13:54	EPA 3005A	1,6020B	AM
Calcium, Dissolved	201.		mg/l	0.100	0.0394	1	11/24/20 04:04	11/24/20 13:54	EPA 3005A	1,6020B	AM
Chromium, Dissolved	ND		mg/l	0.00100	0.00017	1	11/24/20 04:04	11/24/20 13:54	EPA 3005A	1,6020B	AM
Cobalt, Dissolved	0.00091		mg/l	0.00050	0.00016	1	11/24/20 04:04	11/24/20 13:54	EPA 3005A	1,6020B	AM
Copper, Dissolved	0.00050	J	mg/l	0.00100	0.00038	1	11/24/20 04:04	11/24/20 13:54	EPA 3005A	1,6020B	AM
Iron, Dissolved	0.183		mg/l	0.0500	0.0191	1	11/24/20 04:04	11/24/20 13:54	EPA 3005A	1,6020B	AM
Lead, Dissolved	0.00090	J	mg/l	0.00100	0.00034	1	11/24/20 04:04	11/24/20 13:54	EPA 3005A	1,6020B	AM
Magnesium, Dissolved	32.7		mg/l	0.0700	0.0242	1	11/24/20 04:04	11/24/20 13:54	EPA 3005A	1,6020B	AM
Manganese, Dissolved	0.9005		mg/l	0.00100	0.00044	1	11/24/20 04:04	11/24/20 13:54	EPA 3005A	1,6020B	AM
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	11/24/20 06:10	11/24/20 12:44	EPA 7470A	1,7470A	EW
Nickel, Dissolved	0.00479		mg/l	0.00200	0.00055	1	11/24/20 04:04	11/24/20 13:54	EPA 3005A	1,6020B	AM
Potassium, Dissolved	13.6		mg/l	0.100	0.0309	1	11/24/20 04:04	11/24/20 13:54	EPA 3005A	1,6020B	AM
Selenium, Dissolved	ND		mg/l	0.00500	0.00173	1	11/24/20 04:04	11/24/20 13:54	EPA 3005A	1,6020B	AM
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	11/24/20 04:04	11/24/20 13:54	EPA 3005A	1,6020B	AM
Sodium, Dissolved	146.		mg/l	0.100	0.0293	1	11/24/20 04:04	11/24/20 13:54	EPA 3005A	1,6020B	AM
Thallium, Dissolved	ND		mg/l	0.00050	0.00014	1	11/24/20 04:04	11/24/20 13:54	EPA 3005A	1,6020B	AM
Vanadium, Dissolved	ND		mg/l	0.00500	0.00157	1	11/24/20 04:04	11/24/20 13:54	EPA 3005A	1,6020B	AM
Zinc, Dissolved	ND		mg/l	0.01000	0.00341	1	11/24/20 04:04	11/24/20 13:54	EPA 3005A	1,6020B	AM



Project Name: 266-270 WEST 96TH STREET

Lab Number: L2051332

Project Number: 170432001

Report Date: 12/07/20

## SAMPLE RESULTS

Lab ID: L2051332-04  
 Client ID: GWFB01\_11182020  
 Sample Location: MANHATTAN, NY

Date Collected: 11/18/20 14:00  
 Date Received: 11/18/20  
 Field Prep: Refer to COC

Sample Depth:  
 Matrix: Field Blank

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Aluminum, Total	ND		mg/l	0.0100	0.00327	1	11/24/20 03:30	11/24/20 12:54	EPA 3005A	1,6020B	AM
Antimony, Total	ND		mg/l	0.00400	0.00042	1	11/24/20 03:30	11/24/20 12:54	EPA 3005A	1,6020B	AM
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	11/24/20 03:30	11/24/20 12:54	EPA 3005A	1,6020B	AM
Barium, Total	ND		mg/l	0.00050	0.00017	1	11/24/20 03:30	11/24/20 12:54	EPA 3005A	1,6020B	AM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	11/24/20 03:30	11/24/20 12:54	EPA 3005A	1,6020B	AM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	11/24/20 03:30	11/24/20 12:54	EPA 3005A	1,6020B	AM
Calcium, Total	ND		mg/l	0.100	0.0394	1	11/24/20 03:30	11/24/20 12:54	EPA 3005A	1,6020B	AM
Chromium, Total	ND		mg/l	0.00100	0.00017	1	11/24/20 03:30	11/24/20 12:54	EPA 3005A	1,6020B	AM
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	11/24/20 03:30	11/24/20 12:54	EPA 3005A	1,6020B	AM
Copper, Total	ND		mg/l	0.00100	0.00038	1	11/24/20 03:30	11/24/20 12:54	EPA 3005A	1,6020B	AM
Iron, Total	ND		mg/l	0.0500	0.0191	1	11/24/20 03:30	11/24/20 12:54	EPA 3005A	1,6020B	AM
Lead, Total	ND		mg/l	0.00100	0.00034	1	11/24/20 03:30	11/24/20 12:54	EPA 3005A	1,6020B	AM
Magnesium, Total	ND		mg/l	0.0700	0.0242	1	11/24/20 03:30	11/24/20 12:54	EPA 3005A	1,6020B	AM
Manganese, Total	ND		mg/l	0.00100	0.00044	1	11/24/20 03:30	11/24/20 12:54	EPA 3005A	1,6020B	AM
Mercury, Total	ND		mg/l	0.00020	0.00009	1	11/24/20 06:10	11/24/20 10:21	EPA 7470A	1,7470A	EW
Nickel, Total	ND		mg/l	0.00200	0.00055	1	11/24/20 03:30	11/24/20 12:54	EPA 3005A	1,6020B	AM
Potassium, Total	ND		mg/l	0.100	0.0309	1	11/24/20 03:30	11/24/20 12:54	EPA 3005A	1,6020B	AM
Selenium, Total	ND		mg/l	0.00500	0.00173	1	11/24/20 03:30	11/24/20 12:54	EPA 3005A	1,6020B	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	11/24/20 03:30	11/24/20 12:54	EPA 3005A	1,6020B	AM
Sodium, Total	ND		mg/l	0.100	0.0293	1	11/24/20 03:30	11/24/20 12:54	EPA 3005A	1,6020B	AM
Thallium, Total	0.00015	J	mg/l	0.00100	0.00014	1	11/24/20 03:30	11/24/20 12:54	EPA 3005A	1,6020B	AM
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	11/24/20 03:30	11/24/20 12:54	EPA 3005A	1,6020B	AM
Zinc, Total	ND		mg/l	0.01000	0.00341	1	11/24/20 03:30	11/24/20 12:54	EPA 3005A	1,6020B	AM
<b>Dissolved Metals - Mansfield Lab</b>											
Aluminum, Dissolved	ND		mg/l	0.0100	0.00327	1	11/24/20 04:04	11/24/20 13:24	EPA 3005A	1,6020B	AM
Antimony, Dissolved	ND		mg/l	0.00400	0.00042	1	11/24/20 04:04	11/24/20 13:24	EPA 3005A	1,6020B	AM
Arsenic, Dissolved	ND		mg/l	0.00050	0.00016	1	11/24/20 04:04	11/24/20 13:24	EPA 3005A	1,6020B	AM
Barium, Dissolved	ND		mg/l	0.00050	0.00017	1	11/24/20 04:04	11/24/20 13:24	EPA 3005A	1,6020B	AM
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	11/24/20 04:04	11/24/20 13:24	EPA 3005A	1,6020B	AM



**Project Name:** 266-270 WEST 96TH STREET**Lab Number:** L2051332**Project Number:** 170432001**Report Date:** 12/07/20**SAMPLE RESULTS**

Lab ID: L2051332-04

Date Collected: 11/18/20 14:00

Client ID: GWFB01\_11182020

Date Received: 11/18/20

Sample Location: MANHATTAN, NY

Field Prep: Refer to COC

Sample Depth:

Matrix: Field Blank

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	11/24/20 04:04	11/24/20 13:24	EPA 3005A	1,6020B	AM
Calcium, Dissolved	ND		mg/l	0.100	0.0394	1	11/24/20 04:04	11/24/20 13:24	EPA 3005A	1,6020B	AM
Chromium, Dissolved	ND		mg/l	0.00100	0.00017	1	11/24/20 04:04	11/24/20 13:24	EPA 3005A	1,6020B	AM
Cobalt, Dissolved	ND		mg/l	0.00050	0.00016	1	11/24/20 04:04	11/24/20 13:24	EPA 3005A	1,6020B	AM
Copper, Dissolved	ND		mg/l	0.00100	0.00038	1	11/24/20 04:04	11/24/20 13:24	EPA 3005A	1,6020B	AM
Iron, Dissolved	ND		mg/l	0.0500	0.0191	1	11/24/20 04:04	11/24/20 13:24	EPA 3005A	1,6020B	AM
Lead, Dissolved	ND		mg/l	0.00100	0.00034	1	11/24/20 04:04	11/24/20 13:24	EPA 3005A	1,6020B	AM
Magnesium, Dissolved	ND		mg/l	0.0700	0.0242	1	11/24/20 04:04	11/24/20 13:24	EPA 3005A	1,6020B	AM
Manganese, Dissolved	ND		mg/l	0.00100	0.00044	1	11/24/20 04:04	11/24/20 13:24	EPA 3005A	1,6020B	AM
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	11/24/20 06:10	11/24/20 12:48	EPA 7470A	1,7470A	EW
Nickel, Dissolved	ND		mg/l	0.00200	0.00055	1	11/24/20 04:04	11/24/20 13:24	EPA 3005A	1,6020B	AM
Potassium, Dissolved	ND		mg/l	0.100	0.0309	1	11/24/20 04:04	11/24/20 13:24	EPA 3005A	1,6020B	AM
Selenium, Dissolved	ND		mg/l	0.00500	0.00173	1	11/24/20 04:04	11/24/20 13:24	EPA 3005A	1,6020B	AM
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	11/24/20 04:04	11/24/20 13:24	EPA 3005A	1,6020B	AM
Sodium, Dissolved	ND		mg/l	0.100	0.0293	1	11/24/20 04:04	11/24/20 13:24	EPA 3005A	1,6020B	AM
Thallium, Dissolved	ND		mg/l	0.00050	0.00014	1	11/24/20 04:04	11/24/20 13:24	EPA 3005A	1,6020B	AM
Vanadium, Dissolved	ND		mg/l	0.00500	0.00157	1	11/24/20 04:04	11/24/20 13:24	EPA 3005A	1,6020B	AM
Zinc, Dissolved	ND		mg/l	0.01000	0.00341	1	11/24/20 04:04	11/24/20 13:24	EPA 3005A	1,6020B	AM



**Project Name:** 266-270 WEST 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051332  
**Report Date:** 12/07/20

## Method Blank Analysis Batch Quality Control

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab for sample(s): 01-04 Batch: WG1437562-1</b>									
Aluminum, Total	ND	mg/l	0.0100	0.00327	1	11/24/20 03:30	11/24/20 11:53	1,6020B	AM
Antimony, Total	ND	mg/l	0.00400	0.00042	1	11/24/20 03:30	11/24/20 11:53	1,6020B	AM
Arsenic, Total	ND	mg/l	0.00050	0.00016	1	11/24/20 03:30	11/24/20 11:53	1,6020B	AM
Barium, Total	ND	mg/l	0.00050	0.00017	1	11/24/20 03:30	11/24/20 11:53	1,6020B	AM
Beryllium, Total	ND	mg/l	0.00050	0.00010	1	11/24/20 03:30	11/24/20 11:53	1,6020B	AM
Cadmium, Total	ND	mg/l	0.00020	0.00005	1	11/24/20 03:30	11/24/20 11:53	1,6020B	AM
Calcium, Total	ND	mg/l	0.100	0.0394	1	11/24/20 03:30	11/24/20 11:53	1,6020B	AM
Chromium, Total	ND	mg/l	0.00100	0.00017	1	11/24/20 03:30	11/24/20 11:53	1,6020B	AM
Cobalt, Total	ND	mg/l	0.00050	0.00016	1	11/24/20 03:30	11/24/20 11:53	1,6020B	AM
Copper, Total	ND	mg/l	0.00100	0.00038	1	11/24/20 03:30	11/24/20 11:53	1,6020B	AM
Iron, Total	ND	mg/l	0.0500	0.0191	1	11/24/20 03:30	11/24/20 11:53	1,6020B	AM
Lead, Total	ND	mg/l	0.00100	0.00034	1	11/24/20 03:30	11/24/20 11:53	1,6020B	AM
Magnesium, Total	ND	mg/l	0.0700	0.0242	1	11/24/20 03:30	11/24/20 11:53	1,6020B	AM
Manganese, Total	ND	mg/l	0.00100	0.00044	1	11/24/20 03:30	11/24/20 11:53	1,6020B	AM
Nickel, Total	ND	mg/l	0.00200	0.00055	1	11/24/20 03:30	11/24/20 11:53	1,6020B	AM
Potassium, Total	ND	mg/l	0.100	0.0309	1	11/24/20 03:30	11/24/20 11:53	1,6020B	AM
Selenium, Total	ND	mg/l	0.00500	0.00173	1	11/24/20 03:30	11/24/20 11:53	1,6020B	AM
Silver, Total	ND	mg/l	0.00040	0.00016	1	11/24/20 03:30	11/24/20 11:53	1,6020B	AM
Sodium, Total	ND	mg/l	0.100	0.0293	1	11/24/20 03:30	11/24/20 11:53	1,6020B	AM
Thallium, Total	ND	mg/l	0.00100	0.00014	1	11/24/20 03:30	11/24/20 11:53	1,6020B	AM
Vanadium, Total	ND	mg/l	0.00500	0.00157	1	11/24/20 03:30	11/24/20 11:53	1,6020B	AM
Zinc, Total	ND	mg/l	0.01000	0.00341	1	11/24/20 03:30	11/24/20 11:53	1,6020B	AM

### Prep Information

Digestion Method: EPA 3005A

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>Dissolved Metals - Mansfield Lab for sample(s): 01-04 Batch: WG1437662-1</b>									
Aluminum, Dissolved	ND	mg/l	0.0100	0.00327	1	11/24/20 04:04	11/24/20 12:16	1,6020B	AM
Antimony, Dissolved	ND	mg/l	0.00400	0.00042	1	11/24/20 04:04	11/24/20 12:16	1,6020B	AM
Arsenic, Dissolved	ND	mg/l	0.00050	0.00016	1	11/24/20 04:04	11/24/20 12:16	1,6020B	AM





**Project Name:** 266-270 WEST 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051332  
**Report Date:** 12/07/20

### Method Blank Analysis Batch Quality Control

Barium, Dissolved	ND	mg/l	0.00050	0.00017	1	11/24/20 04:04	11/24/20 12:16	1,6020B	AM
Beryllium, Dissolved	ND	mg/l	0.00050	0.00010	1	11/24/20 04:04	11/24/20 12:16	1,6020B	AM
Cadmium, Dissolved	ND	mg/l	0.00020	0.00005	1	11/24/20 04:04	11/24/20 12:16	1,6020B	AM
Calcium, Dissolved	ND	mg/l	0.100	0.0394	1	11/24/20 04:04	11/24/20 12:16	1,6020B	AM
Chromium, Dissolved	ND	mg/l	0.00100	0.00017	1	11/24/20 04:04	11/24/20 12:16	1,6020B	AM
Cobalt, Dissolved	ND	mg/l	0.00050	0.00016	1	11/24/20 04:04	11/24/20 12:16	1,6020B	AM
Copper, Dissolved	ND	mg/l	0.00100	0.00038	1	11/24/20 04:04	11/24/20 12:16	1,6020B	AM
Iron, Dissolved	ND	mg/l	0.0500	0.0191	1	11/24/20 04:04	11/24/20 12:16	1,6020B	AM
Lead, Dissolved	ND	mg/l	0.00100	0.00034	1	11/24/20 04:04	11/24/20 12:16	1,6020B	AM
Magnesium, Dissolved	ND	mg/l	0.0700	0.0242	1	11/24/20 04:04	11/24/20 12:16	1,6020B	AM
Manganese, Dissolved	ND	mg/l	0.00100	0.00044	1	11/24/20 04:04	11/24/20 12:16	1,6020B	AM
Nickel, Dissolved	ND	mg/l	0.00200	0.00055	1	11/24/20 04:04	11/24/20 12:16	1,6020B	AM
Potassium, Dissolved	ND	mg/l	0.100	0.0309	1	11/24/20 04:04	11/24/20 12:16	1,6020B	AM
Selenium, Dissolved	ND	mg/l	0.00500	0.00173	1	11/24/20 04:04	11/24/20 12:16	1,6020B	AM
Silver, Dissolved	ND	mg/l	0.00040	0.00016	1	11/24/20 04:04	11/24/20 12:16	1,6020B	AM
Sodium, Dissolved	ND	mg/l	0.100	0.0293	1	11/24/20 04:04	11/24/20 12:16	1,6020B	AM
Thallium, Dissolved	ND	mg/l	0.00050	0.00014	1	11/24/20 04:04	11/24/20 12:16	1,6020B	AM
Vanadium, Dissolved	ND	mg/l	0.00500	0.00157	1	11/24/20 04:04	11/24/20 12:16	1,6020B	AM
Zinc, Dissolved	ND	mg/l	0.01000	0.00341	1	11/24/20 04:04	11/24/20 12:16	1,6020B	AM

#### Prep Information

Digestion Method: EPA 3005A

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab for sample(s): 01-04 Batch: WG1437663-1									
Mercury, Dissolved	ND	mg/l	0.00020	0.00009	1	11/24/20 06:10	11/24/20 11:52	1,7470A	EW

#### Prep Information

Digestion Method: EPA 7470A



Project Name: 266-270 WEST 96TH STREET

Lab Number: L2051332

Project Number: 170432001

Report Date: 12/07/20

## Method Blank Analysis Batch Quality Control

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-04 Batch: WG1437665-1									
Mercury, Total	ND	mg/l	0.00020	0.00009	1	11/24/20 06:10	11/24/20 09:53	1,7470A	EW

### Prep Information

Digestion Method: EPA 7470A

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 266-270 WEST 96TH STREET

**Project Number:** 170432001

**Lab Number:** L2051332

**Report Date:** 12/07/20

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Total Metals - Mansfield Lab Associated sample(s): 01-04 Batch: WG1437562-2								
Aluminum, Total	102		-		80-120	-		
Antimony, Total	99		-		80-120	-		
Arsenic, Total	102		-		80-120	-		
Barium, Total	103		-		80-120	-		
Beryllium, Total	102		-		80-120	-		
Cadmium, Total	114		-		80-120	-		
Calcium, Total	96		-		80-120	-		
Chromium, Total	103		-		80-120	-		
Cobalt, Total	104		-		80-120	-		
Copper, Total	105		-		80-120	-		
Iron, Total	106		-		80-120	-		
Lead, Total	102		-		80-120	-		
Magnesium, Total	103		-		80-120	-		
Manganese, Total	100		-		80-120	-		
Nickel, Total	100		-		80-120	-		
Potassium, Total	100		-		80-120	-		
Selenium, Total	102		-		80-120	-		
Silver, Total	106		-		80-120	-		
Sodium, Total	104		-		80-120	-		
Thallium, Total	101		-		80-120	-		
Vanadium, Total	103		-		80-120	-		

## Lab Control Sample Analysis

Batch Quality Control

**Project Name:** 266-270 WEST 96TH STREET

**Project Number:** 170432001

**Lab Number:** L2051332

**Report Date:** 12/07/20

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-04 Batch: WG1437562-2					
Zinc, Total	107	-	80-120	-	

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 266-270 WEST 96TH STREET

**Lab Number:** L2051332

**Project Number:** 170432001

**Report Date:** 12/07/20

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 01-04 Batch: WG1437662-2					
Aluminum, Dissolved	100	-	80-120	-	
Antimony, Dissolved	92	-	80-120	-	
Arsenic, Dissolved	98	-	80-120	-	
Barium, Dissolved	102	-	80-120	-	
Beryllium, Dissolved	99	-	80-120	-	
Cadmium, Dissolved	110	-	80-120	-	
Calcium, Dissolved	97	-	80-120	-	
Chromium, Dissolved	97	-	80-120	-	
Cobalt, Dissolved	97	-	80-120	-	
Copper, Dissolved	98	-	80-120	-	
Iron, Dissolved	102	-	80-120	-	
Lead, Dissolved	100	-	80-120	-	
Magnesium, Dissolved	104	-	80-120	-	
Manganese, Dissolved	98	-	80-120	-	
Nickel, Dissolved	93	-	80-120	-	
Potassium, Dissolved	102	-	80-120	-	
Selenium, Dissolved	99	-	80-120	-	
Silver, Dissolved	104	-	80-120	-	
Sodium, Dissolved	102	-	80-120	-	
Thallium, Dissolved	98	-	80-120	-	
Vanadium, Dissolved	98	-	80-120	-	

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 266-270 WEST 96TH STREET

**Project Number:** 170432001

**Lab Number:** L2051332

**Report Date:** 12/07/20

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 01-04 Batch: WG1437662-2					
Zinc, Dissolved	104	-	80-120	-	
Dissolved Metals - Mansfield Lab Associated sample(s): 01-04 Batch: WG1437663-2					
Mercury, Dissolved	104	-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 01-04 Batch: WG1437665-2					
Mercury, Total	106	-	80-120	-	

### Matrix Spike Analysis Batch Quality Control

**Project Name:** 266-270 WEST 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051332  
**Report Date:** 12/07/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Qual	MSD Found	MSD %Recovery	MSD Qual	Recovery Limits	RPD Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG1437562-7 WG1437562-8 QC Sample: L2051332-02 Client ID: MW22_11182020											
Aluminum, Total	ND	2	1.96	98		2.04	102		75-125	4	20
Antimony, Total	0.00092J	0.5	0.5131	103		0.5471	109		75-125	6	20
Arsenic, Total	ND	0.12	0.1244	104		0.1258	105		75-125	1	20
Barium, Total	0.06349	2	2.082	101		2.133	103		75-125	2	20
Beryllium, Total	ND	0.05	0.05205	104		0.05012	100		75-125	4	20
Cadmium, Total	ND	0.051	0.05580	109		0.05786	113		75-125	4	20
Calcium, Total	204.	10	206	20	Q	210	60	Q	75-125	2	20
Chromium, Total	ND	0.2	0.1982	99		0.2013	101		75-125	2	20
Cobalt, Total	0.00089	0.5	0.5075	101		0.5160	103		75-125	2	20
Copper, Total	0.00056J	0.25	0.2577	103		0.2576	103		75-125	0	20
Iron, Total	0.202	1	1.43	123		1.30	110		75-125	10	20
Lead, Total	0.00061J	0.51	0.5078	100		0.5137	101		75-125	1	20
Magnesium, Total	30.6	10	41.7	111		42.7	121		75-125	2	20
Manganese, Total	0.9115	0.5	1.388	95		1.413	100		75-125	2	20
Nickel, Total	0.00512	0.5	0.4957	98		0.4947	98		75-125	0	20
Potassium, Total	13.8	10	22.5	87		23.4	96		75-125	4	20
Selenium, Total	ND	0.12	0.118	98		0.119	99		75-125	1	20
Silver, Total	ND	0.05	0.05271	105		0.05305	106		75-125	1	20
Sodium, Total	136.	10	138	20	Q	143	70	Q	75-125	4	20
Thallium, Total	0.00027J	0.12	0.1257	105		0.1218	102		75-125	3	20
Vanadium, Total	ND	0.5	0.5028	100		0.5115	102		75-125	2	20

**Matrix Spike Analysis**  
**Batch Quality Control**

**Project Name:** 266-270 WEST 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051332  
**Report Date:** 12/07/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG1437562-7 WG1437562-8 QC Sample: L2051332-02 Client ID: MW22_11182020									
Zinc, Total	ND	0.5	0.5174	103	0.5258	105	75-125	2	20



### Matrix Spike Analysis Batch Quality Control

**Project Name:** 266-270 WEST 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051332  
**Report Date:** 12/07/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG1437662-3 WG1437662-4 QC Sample: L2051332-02 Client ID: MW22_11182020									
Aluminum, Dissolved	ND	2	2.05	102	2.12	106	75-125	3	20
Antimony, Dissolved	0.00124J	0.5	0.5240	105	0.5384	108	75-125	3	20
Arsenic, Dissolved	ND	0.12	0.1240	103	0.1249	104	75-125	1	20
Barium, Dissolved	0.06325	2	2.166	105	2.211	107	75-125	2	20
Beryllium, Dissolved	ND	0.05	0.05326	106	0.05273	105	75-125	1	20
Cadmium, Dissolved	ND	0.051	0.05751	113	0.05760	113	75-125	0	20
Calcium, Dissolved	206.	10	210	40	Q 219	130	Q 75-125	4	20
Chromium, Dissolved	0.00033J	0.2	0.1971	98	0.2047	102	75-125	4	20
Cobalt, Dissolved	0.00077	0.5	0.4952	99	0.5111	102	75-125	3	20
Copper, Dissolved	0.00053J	0.25	0.2492	100	0.2520	101	75-125	1	20
Iron, Dissolved	0.192	1	1.33	114	1.34	115	75-125	1	20
Lead, Dissolved	ND	0.51	0.5271	103	0.5347	105	75-125	1	20
Magnesium, Dissolved	33.1	10	44.0	109	46.3	132	Q 75-125	5	20
Manganese, Dissolved	0.9024	0.5	1.419	103	1.442	108	75-125	2	20
Nickel, Dissolved	0.00483	0.5	0.4789	95	0.4937	98	75-125	3	20
Potassium, Dissolved	13.9	10	23.8	99	24.6	107	75-125	3	20
Selenium, Dissolved	ND	0.12	0.126	105	0.128	107	75-125	2	20
Silver, Dissolved	ND	0.05	0.05234	105	0.05363	107	75-125	2	20
Sodium, Dissolved	147.	10	143	0	Q 150	30	Q 75-125	5	20
Thallium, Dissolved	0.00021J	0.12	0.1246	104	0.1235	103	75-125	1	20
Vanadium, Dissolved	ND	0.5	0.4972	99	0.5137	103	75-125	3	20

### Matrix Spike Analysis Batch Quality Control

**Project Name:** 266-270 WEST 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051332  
**Report Date:** 12/07/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG1437662-3 WG1437662-4 QC Sample: L2051332-02 Client ID: MW22_11182020									
Zinc, Dissolved	ND	0.5	0.5174	103	0.5371	107	75-125	4	20
Dissolved Metals - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG1437663-3 WG1437663-4 QC Sample: L2051332-02 Client ID: MW22_11182020									
Mercury, Dissolved	ND	0.005	0.00480	96	0.00501	100	75-125	4	20
Total Metals - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG1437665-3 WG1437665-4 QC Sample: L2051332-02 Client ID: MW22_11182020									
Mercury, Total	ND	0.005	0.00484	97	0.00488	98	75-125	1	20

**Project Name:** 266-270 WEST 96TH STREET**Lab Number:** L2051332**Project Number:** 170432001**Report Date:** 12/07/20**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

**Cooler Information**

<b>Cooler</b>	<b>Custody Seal</b>
A	Absent
B	Absent
C	Absent
D	Absent
E	Absent

**Container Information**

<b>Container ID</b>	<b>Container Type</b>	<b>Cooler</b>	<b>Initial pH</b>	<b>Final pH</b>	<b>Temp deg C</b>	<b>Pres</b>	<b>Seal</b>	<b>Frozen Date/Time</b>	<b>Analysis(*)</b>
L2051332-01A	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2051332-01B	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2051332-01C	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2051332-01D	Plastic 250ml unpreserved	C	NA		3.7	Y	Absent		A2-NY-537-ISOTOPE(14)
L2051332-01E	Plastic 250ml unpreserved	C	NA		3.7	Y	Absent		A2-NY-537-ISOTOPE(14)
L2051332-01F	Amber 120ml unpreserved	D	8	8	4.1	Y	Absent		NYTCL-8081(7)
L2051332-01G	Amber 120ml unpreserved	D	8	8	4.1	Y	Absent		NYTCL-8081(7)
L2051332-01H	Amber 120ml unpreserved	D	8	8	4.1	Y	Absent		NYTCL-8082-LVI(7)
L2051332-01I	Amber 120ml unpreserved	D	8	8	4.1	Y	Absent		NYTCL-8082-LVI(7)
L2051332-01J	Amber 250ml unpreserved	D	8	8	4.1	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2051332-01K	Amber 250ml unpreserved	D	8	8	4.1	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2051332-01L	Amber 250ml unpreserved	A	8	8	2.6	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2051332-01M	Amber 250ml unpreserved	D	8	8	4.1	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2051332-01N	Plastic 250ml HNO3 preserved	A	<2	<2	2.6	Y	Absent		K-6020S(180),SE-6020S(180),CU-6020S(180),V-6020S(180),MN-6020S(180),ZN-6020S(180),MG-6020S(180),BE-6020S(180),CO-6020S(180),FE-6020S(180),CA-6020S(180),CR-6020S(180),BA-6020S(180),PB-6020S(180),NI-6020S(180),NA-6020S(180),TL-6020S(180),AS-6020S(180),SB-6020S(180),AG-6020S(180),CD-6020S(180),HG-S(28),AL-6020S(180)

**Project Name:** 266-270 WEST 96TH STREET  
**Project Number:** 170432001

**Serial\_No:**12072020:57  
**Lab Number:** L2051332  
**Report Date:** 12/07/20

**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2051332-01O	Plastic 250ml HNO3 preserved	A	<2	<2	2.6	Y	Absent		BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CA-6020T(180),NA-6020T(180),CU-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),V-6020T(180),SB-6020T(180),CD-6020T(180),AG-6020T(180),HG-T(28),AL-6020T(180),MG-6020T(180),CO-6020T(180)
L2051332-01P	Amber 1000ml unpreserved	D	8	8	4.1	Y	Absent		HERB-APA(7)
L2051332-01Q	Amber 1000ml unpreserved	D	8	8	4.1	Y	Absent		HERB-APA(7)
L2051332-02A	Vial HCl preserved	B	NA		4.4	Y	Absent		NYTCL-8260(14)
L2051332-02A1	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2051332-02A2	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2051332-02B	Vial HCl preserved	B	NA		4.4	Y	Absent		NYTCL-8260(14)
L2051332-02B1	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2051332-02B2	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2051332-02C	Vial HCl preserved	B	NA		4.4	Y	Absent		NYTCL-8260(14)
L2051332-02C1	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2051332-02C2	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2051332-02D	Plastic 250ml unpreserved	C	NA		3.7	Y	Absent		A2-NY-537-ISOTOPE(14)
L2051332-02D1	Plastic 250ml unpreserved	C	NA		3.7	Y	Absent		A2-NY-537-ISOTOPE(14)
L2051332-02D2	Plastic 250ml unpreserved	C	NA		3.7	Y	Absent		A2-NY-537-ISOTOPE(14)
L2051332-02E	Plastic 250ml unpreserved	C	NA		3.7	Y	Absent		A2-NY-537-ISOTOPE(14)
L2051332-02E1	Plastic 250ml unpreserved	C	NA		3.7	Y	Absent		A2-NY-537-ISOTOPE(14)
L2051332-02E2	Plastic 250ml unpreserved	C	NA		3.7	Y	Absent		A2-NY-537-ISOTOPE(14)
L2051332-02F	Amber 120ml unpreserved	E	7	7	2.9	Y	Absent		NYTCL-8081(7)
L2051332-02F1	Amber 120ml unpreserved	E	7	7	2.9	Y	Absent		NYTCL-8081(7)
L2051332-02F2	Amber 120ml unpreserved	B	7	7	4.4	Y	Absent		NYTCL-8081(7)
L2051332-02G	Amber 120ml unpreserved	E	7	7	2.9	Y	Absent		NYTCL-8081(7)
L2051332-02G1	Amber 120ml unpreserved	E	7	7	2.9	Y	Absent		NYTCL-8081(7)
L2051332-02G2	Amber 120ml unpreserved	B	7	7	4.4	Y	Absent		NYTCL-8081(7)

**Project Name:** 266-270 WEST 96TH STREET  
**Project Number:** 170432001

**Serial\_No:**12072020:57  
**Lab Number:** L2051332  
**Report Date:** 12/07/20

**Container Information**

<b>Container ID</b>	<b>Container Type</b>	<b>Cooler</b>	<b>Initial pH</b>	<b>Final pH</b>	<b>Temp deg C</b>	<b>Pres</b>	<b>Seal</b>	<b>Frozen Date/Time</b>	<b>Analysis(*)</b>
L2051332-02H	Amber 120ml unpreserved	E	7	7	2.9	Y	Absent		NYTCL-8082-LVI(7)
L2051332-02H1	Amber 120ml unpreserved	E	7	7	2.9	Y	Absent		NYTCL-8082-LVI(7)
L2051332-02H2	Amber 120ml unpreserved	B	7	7	4.4	Y	Absent		NYTCL-8082-LVI(7)
L2051332-02I	Amber 120ml unpreserved	E	7	7	2.9	Y	Absent		NYTCL-8082-LVI(7)
L2051332-02I1	Amber 120ml unpreserved	E	7	7	2.9	Y	Absent		NYTCL-8082-LVI(7)
L2051332-02I2	Amber 120ml unpreserved	B	7	7	4.4	Y	Absent		NYTCL-8082-LVI(7)
L2051332-02J	Amber 250ml unpreserved	E	7	7	2.9	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2051332-02J1	Amber 250ml unpreserved	E	7	7	2.9	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2051332-02J2	Amber 250ml unpreserved	B	7	7	4.4	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2051332-02K	Amber 250ml unpreserved	E	7	7	2.9	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2051332-02K1	Amber 250ml unpreserved	E	7	7	2.9	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2051332-02K2	Amber 250ml unpreserved	B	7	7	4.4	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2051332-02L	Amber 250ml unpreserved	B	7	7	4.4	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2051332-02L1	Amber 250ml unpreserved	E	7	7	2.9	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2051332-02L2	Amber 250ml unpreserved	A	7	7	2.6	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2051332-02M	Amber 250ml unpreserved	E	7	7	2.9	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2051332-02M1	Amber 250ml unpreserved	E	7	7	2.9	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2051332-02M2	Amber 250ml unpreserved	B	7	7	4.4	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2051332-02N	Plastic 250ml HNO3 preserved	B	<2	<2	4.4	Y	Absent		SE-6020S(180),CU-6020S(180),K-6020S(180),V-6020S(180),MN-6020S(180),MG-6020S(180),ZN-6020S(180),BE-6020S(180),CO-6020S(180),FE-6020S(180),CA-6020S(180),CR-6020S(180),PB-6020S(180),TL-6020S(180),NA-6020S(180),NI-6020S(180),BA-6020S(180),AG-6020S(180),SB-6020S(180),AS-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(28)
L2051332-02N1	Plastic 250ml HNO3 preserved	A	<2	<2	2.6	Y	Absent		SE-6020S(180),CU-6020S(180),K-6020S(180),V-6020S(180),MN-6020S(180),MG-6020S(180),ZN-6020S(180),BE-6020S(180),CO-6020S(180),FE-6020S(180),CA-6020S(180),CR-6020S(180),PB-6020S(180),TL-6020S(180),NA-6020S(180),NI-6020S(180),BA-6020S(180),AG-6020S(180),SB-6020S(180),AS-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(28)

**Project Name:** 266-270 WEST 96TH STREET  
**Project Number:** 170432001

**Serial\_No:** 12072020:57  
**Lab Number:** L2051332  
**Report Date:** 12/07/20

**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2051332-02N2	Plastic 250ml HNO3 preserved	A	<2	<2	2.6	Y	Absent		SE-6020S(180),CU-6020S(180),K-6020S(180),V-6020S(180),MN-6020S(180),MG-6020S(180),ZN-6020S(180),BE-6020S(180),CO-6020S(180),FE-6020S(180),CA-6020S(180),CR-6020S(180),PB-6020S(180),TL-6020S(180),NA-6020S(180),NI-6020S(180),BA-6020S(180),AG-6020S(180),SB-6020S(180),AS-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(28)
L2051332-02O	Plastic 250ml HNO3 preserved	B	<2	<2	4.4	Y	Absent		FE-6020T(180),BA-6020T(180),TL-6020T(180),SE-6020T(180),K-6020T(180),CR-6020T(180),CA-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),MN-6020T(180),BE-6020T(180),V-6020T(180),SB-6020T(180),AS-6020T(180),CD-6020T(180),MG-6020T(180),HG-T(28),AG-6020T(180),AL-6020T(180),CO-6020T(180)
L2051332-02O1	Plastic 250ml HNO3 preserved	A	<2	<2	2.6	Y	Absent		FE-6020T(180),BA-6020T(180),TL-6020T(180),SE-6020T(180),K-6020T(180),CR-6020T(180),CA-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),MN-6020T(180),BE-6020T(180),V-6020T(180),SB-6020T(180),AS-6020T(180),CD-6020T(180),MG-6020T(180),HG-T(28),AG-6020T(180),AL-6020T(180),CO-6020T(180)
L2051332-02O2	Plastic 250ml HNO3 preserved	A	<2	<2	2.6	Y	Absent		FE-6020T(180),BA-6020T(180),TL-6020T(180),SE-6020T(180),K-6020T(180),CR-6020T(180),CA-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),MN-6020T(180),BE-6020T(180),V-6020T(180),SB-6020T(180),AS-6020T(180),CD-6020T(180),MG-6020T(180),HG-T(28),AG-6020T(180),AL-6020T(180),CO-6020T(180)
L2051332-02P	Amber 1000ml unpreserved	E	7	7	2.9	Y	Absent		HERB-APA(7)
L2051332-02P1	Amber 1000ml unpreserved	E	7	7	2.9	Y	Absent		HERB-APA(7)
L2051332-02P2	Amber 1000ml unpreserved	D	7	7	4.1	Y	Absent		HERB-APA(7)
L2051332-02Q	Amber 1000ml unpreserved	E	7	7	2.9	Y	Absent		HERB-APA(7)
L2051332-02Q1	Amber 1000ml unpreserved	E	7	7	2.9	Y	Absent		HERB-APA(7)
L2051332-02Q2	Amber 1000ml unpreserved	D	7	7	4.1	Y	Absent		HERB-APA(7)
L2051332-03A	Vial HCl preserved	B	NA		4.4	Y	Absent		NYTCL-8260(14)
L2051332-03B	Vial HCl preserved	B	NA		4.4	Y	Absent		NYTCL-8260(14)
L2051332-03C	Vial HCl preserved	B	NA		4.4	Y	Absent		NYTCL-8260(14)
L2051332-03D	Plastic 250ml unpreserved	C	NA		3.7	Y	Absent		A2-NY-537-ISOTOPE(14)

**Project Name:** 266-270 WEST 96TH STREET  
**Project Number:** 170432001

**Serial\_No:** 12072020:57  
**Lab Number:** L2051332  
**Report Date:** 12/07/20

**Container Information**

<b>Container ID</b>	<b>Container Type</b>	<b>Cooler</b>	<b>Initial pH</b>	<b>Final pH</b>	<b>Temp deg C</b>	<b>Pres</b>	<b>Seal</b>	<b>Frozen Date/Time</b>	<b>Analysis(*)</b>
L2051332-03E	Plastic 250ml unpreserved	C	NA		3.7	Y	Absent		A2-NY-537-ISOTOPE(14)
L2051332-03F	Amber 120ml unpreserved	B	7	7	4.4	Y	Absent		NYTCL-8081(7)
L2051332-03G	Amber 120ml unpreserved	B	7	7	4.4	Y	Absent		NYTCL-8081(7)
L2051332-03H	Amber 120ml unpreserved	B	7	7	4.4	Y	Absent		NYTCL-8082-LVI(7)
L2051332-03I	Amber 120ml unpreserved	B	7	7	4.4	Y	Absent		NYTCL-8082-LVI(7)
L2051332-03J	Amber 250ml unpreserved	B	7	7	4.4	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2051332-03K	Amber 250ml unpreserved	B	7	7	4.4	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2051332-03L	Amber 250ml unpreserved	B	7	7	4.4	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2051332-03M	Amber 250ml unpreserved	B	7	7	4.4	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2051332-03N	Plastic 250ml HNO3 preserved	B	<2	<2	4.4	Y	Absent		SE-6020S(180),CU-6020S(180),V-6020S(180),K-6020S(180),MN-6020S(180),ZN-6020S(180),CO-6020S(180),MG-6020S(180),BE-6020S(180),CA-6020S(180),FE-6020S(180),CR-6020S(180),NA-6020S(180),BA-6020S(180),NI-6020S(180),PB-6020S(180),TL-6020S(180),SB-6020S(180),AS-6020S(180),AG-6020S(180),CD-6020S(180),HG-S(28),AL-6020S(180)
L2051332-03O	Plastic 250ml HNO3 preserved	B	<2	<2	4.4	Y	Absent		BA-6020T(180),FE-6020T(180),TL-6020T(180),SE-6020T(180),CR-6020T(180),CA-6020T(180),K-6020T(180),NI-6020T(180),ZN-6020T(180),CU-6020T(180),NA-6020T(180),PB-6020T(180),MN-6020T(180),BE-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),MG-6020T(180),HG-T(28),AL-6020T(180),AG-6020T(180),CD-6020T(180),CO-6020T(180)
L2051332-03P	Amber 1000ml unpreserved	B	7	7	4.4	Y	Absent		HERB-APA(7)
L2051332-03Q	Amber 1000ml unpreserved	B	7	7	4.4	Y	Absent		HERB-APA(7)
L2051332-04A	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2051332-04B	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2051332-04C	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2051332-04D	Plastic 250ml unpreserved	C	NA		3.7	Y	Absent		A2-NY-537-ISOTOPE(14)
L2051332-04E	Plastic 250ml unpreserved	C	8	8	3.7	Y	Absent		-
L2051332-04F	Amber 120ml unpreserved	B	8	8	4.4	Y	Absent		NYTCL-8081(7)

**Project Name:** 266-270 WEST 96TH STREET  
**Project Number:** 170432001

**Serial\_No:**12072020:57  
**Lab Number:** L2051332  
**Report Date:** 12/07/20

**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2051332-04G	Amber 120ml unpreserved	B	8	8	4.4	Y	Absent		NYTCL-8081(7)
L2051332-04H	Amber 120ml unpreserved	B	8	8	4.4	Y	Absent		NYTCL-8082-LVI(7)
L2051332-04I	Amber 120ml unpreserved	B	8	8	4.4	Y	Absent		NYTCL-8082-LVI(7)
L2051332-04J	Amber 250ml unpreserved	E	8	8	2.9	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2051332-04K	Amber 250ml unpreserved	E	8	8	2.9	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2051332-04L	Amber 250ml unpreserved	A	8	8	2.6	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2051332-04M	Amber 250ml unpreserved	E	8	8	2.9	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2051332-04N	Plastic 250ml HNO3 preserved	A	<2	<2	2.6	Y	Absent		CU-6020S(180),V-6020S(180),K-6020S(180),SE-6020S(180),MN-6020S(180),CO-6020S(180),ZN-6020S(180),BE-6020S(180),MG-6020S(180),FE-6020S(180),CR-6020S(180),CA-6020S(180),PB-6020S(180),TL-6020S(180),BA-6020S(180),NI-6020S(180),NA-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),AL-6020S(180),HG-S(28),CD-6020S(180)
L2051332-04O	Plastic 250ml HNO3 preserved	A	<2	<2	2.6	Y	Absent		BA-6020T(180),SE-6020T(180),TL-6020T(180),FE-6020T(180),NI-6020T(180),CA-6020T(180),K-6020T(180),CR-6020T(180),ZN-6020T(180),NA-6020T(180),CU-6020T(180),PB-6020T(180),MN-6020T(180),BE-6020T(180),SB-6020T(180),AS-6020T(180),V-6020T(180),AL-6020T(180),HG-T(28),MG-6020T(180),AG-6020T(180),CD-6020T(180),CO-6020T(180)
L2051332-04P	Amber 1000ml unpreserved	D	8	8	4.1	Y	Absent		HERB-APA(7)
L2051332-04Q	Amber 1000ml unpreserved	D	8	8	4.1	Y	Absent		HERB-APA(7)
L2051332-05A	Plastic 250ml unpreserved	C	NA		3.7	Y	Absent		A2-NY-537-ISOTOPE(14)
L2051332-06A	Vial HCl preserved	B	NA		4.4	Y	Absent		NYTCL-8260(14)

**Container Comments**

L2051332-02Q Labeled as MW18\_11182020, should be MW22\_11182020, Time not legible



**Project Name:** 266-270 WEST 96TH STREET  
**Project Number:** 170432001

Serial\_No:12072020:57  
**Lab Number:** L2051332  
**Report Date:** 12/07/20

### PFAS PARAMETER SUMMARY

Parameter	Acronym	CAS Number
<b>PERFLUOROALKYL CARBOXYLIC ACIDS (PFCAs)</b>		
Perfluorooctadecanoic Acid	PFODA	16517-11-6
Perfluorohexadecanoic Acid	PFHxDA	67905-19-5
Perfluorotetradecanoic Acid	PFTA	376-06-7
Perfluorotridecanoic Acid	PFTrDA	72629-94-8
Perfluorododecanoic Acid	PFDoA	307-55-1
Perfluoroundecanoic Acid	PFUnA	2058-94-8
Perfluorodecanoic Acid	PFDA	335-76-2
Perfluorononanoic Acid	PFNA	375-95-1
Perfluorooctanoic Acid	PFOA	335-67-1
Perfluoroheptanoic Acid	PFHpA	375-85-9
Perfluorohexanoic Acid	PFHxA	307-24-4
Perfluoropentanoic Acid	PFPeA	2706-90-3
Perfluorobutanoic Acid	PFBA	375-22-4
<b>PERFLUOROALKYL SULFONIC ACIDS (PFSAs)</b>		
Perfluorododecanesulfonic Acid	PFDoDS	79780-39-5
Perfluorodecanesulfonic Acid	PFDS	335-77-3
Perfluorononanesulfonic Acid	PFNS	68259-12-1
Perfluorooctanesulfonic Acid	PFOS	1763-23-1
Perfluoroheptanesulfonic Acid	PFHpS	375-92-8
Perfluorohexanesulfonic Acid	PFHxS	355-46-4
Perfluoropentanesulfonic Acid	PFPeS	2706-91-4
Perfluorobutanesulfonic Acid	PFBS	375-73-5
<b>FLUOROTELOMERS</b>		
1H,1H,2H,2H-Perfluorododecanesulfonic Acid	10:2FTS	120226-60-0
1H,1H,2H,2H-Perfluorodecanesulfonic Acid	8:2FTS	39108-34-4
1H,1H,2H,2H-Perfluorooctanesulfonic Acid	6:2FTS	27619-97-2
1H,1H,2H,2H-Perfluorohexanesulfonic Acid	4:2FTS	757124-72-4
<b>PERFLUOROALKANE SULFONAMIDES (FASAs)</b>		
Perfluorooctanesulfonamide	FOSA	754-91-6
N-Ethyl Perfluorooctane Sulfonamide	NEtFOSA	4151-50-2
N-Methyl Perfluorooctane Sulfonamide	NMeFOSA	31506-32-8
<b>PERFLUOROALKANE SULFONYL SUBSTANCES</b>		
N-Ethyl Perfluorooctanesulfonamido Ethanol	NEtFOSE	1691-99-2
N-Methyl Perfluorooctanesulfonamido Ethanol	NMeFOSE	24448-09-7
N-Ethyl Perfluorooctanesulfonamidoacetic Acid	NEtFOSAA	2991-50-6
N-Methyl Perfluorooctanesulfonamidoacetic Acid	NMeFOSAA	2355-31-9
<b>PER- and POLYFLUOROALKYL ETHER CARBOXYLIC ACIDS</b>		
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid	HFPO-DA	13252-13-6
4,8-Dioxa-3h-Perfluorononanoic Acid	ADONA	919005-14-4
<b>CHLORO-PERFLUOROALKYL SULFONIC ACIDS</b>		
11-Chloroeicosafuoro-3-Oxaundecane-1-Sulfonic Acid	11Cl-PF3OUdS	763051-92-9
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid	9Cl-PF3ONS	756426-58-1
<b>PERFLUOROETHER SULFONIC ACIDS (PFESAs)</b>		
Perfluoro(2-Ethoxyethane)Sulfonic Acid	PFEEESA	113507-82-7
<b>PERFLUOROETHER/POLYETHER CARBOXYLIC ACIDS (PFPCAs)</b>		
Perfluoro-3-Methoxypropanoic Acid	PFMPA	377-73-1
Perfluoro-4-Methoxybutanoic Acid	PFMBA	863090-89-5
Nonafluoro-3,6-Dioxaheptanoic Acid	NFDHA	151772-58-6

**Project Name:** 266-270 WEST 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051332  
**Report Date:** 12/07/20

## GLOSSARY

### Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)  Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers



**Project Name:** 266-270 WEST 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051332  
**Report Date:** 12/07/20

#### Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

#### Terms

**Analytical Method:** Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

**Difference:** With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

**Final pH:** As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

**Frozen Date/Time:** With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

**Initial pH:** As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

**PAH Total:** With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

**PFAS Total:** With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. (Note: 'PFAS, Total (6)' is applicable to MassDEP DW compliance analysis only.). If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

**Total:** With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

#### Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

**Report Format:** DU Report with 'J' Qualifiers



**Project Name:** 266-270 WEST 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051332  
**Report Date:** 12/07/20

**Data Qualifiers**

- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.

**Project Name:** 266-270 WEST 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051332  
**Report Date:** 12/07/20

## REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.
- 134 Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry (LC/MS/MS) using Isotope Dilution. Alpha SOP 23528.

## LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



## Certification Information

---

The following analytes are not included in our Primary NELAP Scope of Accreditation:

### Westborough Facility

**EPA 624/624.1:** m/p-xylene, o-xylene, Naphthalene

**EPA 8260C:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.

**EPA 8270D:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.

**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO<sub>2</sub>, NO<sub>3</sub>.

### Mansfield Facility

**SM 2540D:** TSS

**EPA 8082A:** NPW: PCB: 1, 5, 31, 87, 101, 110, 141, 151, 153, 180, 183, 187.

**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

**EPA TO-12** Non-methane organics

**EPA 3C** Fixed gases

**Biological Tissue Matrix:** EPA 3050B

---

The following analytes are included in our Massachusetts DEP Scope of Accreditation

### Westborough Facility:

#### Drinking Water

**EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,**

**EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**

**EPA 332:** Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.

**Microbiology: SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.**

#### Non-Potable Water

**SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:** Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.

**EPA 624.1:** Volatile Halocarbons & Aromatics,

**EPA 608.3:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

**EPA 625.1:** SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.

**Microbiology: SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.**

### Mansfield Facility:

#### Drinking Water

**EPA 200.7:** Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.

**EPA 522.**

#### Non-Potable Water

**EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.

**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.

**EPA 245.1** Hg.


**SM2340B**

---

For a complete listing of analytes and methods, please contact your Alpha Project Manager.



RI-GW

 <b>ALPHA</b> <small>AMERICAN LABORATORY</small>	<b>NEW YORK CHAIN OF CUSTODY</b>	<b>Service Centers</b> Mahwah, NJ 07430: 35 Whitney Rd, Suite 5 Albany, NY 12205: 14 Walker Way Tonawanda, NY 14150: 275 Cooper Ave, Suite 105	Page 1 of 1	Date Rec'd in Lab 11/19/20	ALPHA Job # L20051332							
		Westborough, MA 01581 8 Walkup Dr. TEL: 508-898-9220 FAX: 508-896-9193	Mansfield, MA 02048 320 Forbes Blvd TEL: 508-822-9300 FAX: 508-822-3288	<b>Project Information</b> Project Name: 2166-270 WEST 96 <sup>th</sup> STREET Project Location: MANHATTAN, NY Project # (7043200)	<b>Deliverables</b> <input type="checkbox"/> ASP-A <input type="checkbox"/> EQUIS (1 File) <input type="checkbox"/> Other	<input checked="" type="checkbox"/> ASP-B <input type="checkbox"/> EQUIS (4 File)	<b>Billing Information</b> <input checked="" type="checkbox"/> Same as Client Info PO #					
<b>Client Information</b> Client: LANTANA, LLC Address: 21 PEARL PLAZA SUITE 8 NY NY 10001 Phone: 212-479-5100 Fax: [Redacted] Email: [Redacted]		(Use Project name as Project #) <input type="checkbox"/> Project Manager: KIM SIMON, JESSICA KAVONAT ALPHAQuote #: Turn-Around Time Standard <input checked="" type="checkbox"/> Due Date: Rush (only if pre approved) <input type="checkbox"/> # of Days:		<b>Regulatory Requirement</b> <input type="checkbox"/> NY TOGS <input type="checkbox"/> AWQ Standards <input type="checkbox"/> NY Restricted Use <input type="checkbox"/> NY Unrestricted Use <input type="checkbox"/> NYC Sewer Discharge		<b>Disposal Site Information</b> Please identify below location of applicable disposal facilities. Disposal Facility: <input type="checkbox"/> NJ <input type="checkbox"/> NY <input type="checkbox"/> Other:						
These samples have been previously analyzed by Alpha <input type="checkbox"/>		<b>Other project specific requirements/comments:</b> *NOTE: ONLY 1 VIAL FOR GWTB01-11182020 + UNPRESERVED *Extra volume for sample MW22-11182020 should be analyzed for MS/MSD		<b>ANALYSIS</b>		<b>Sample Filtration</b> <input type="checkbox"/> Done <input type="checkbox"/> Lab to do <b>Preservation</b> <input type="checkbox"/> Lab to do (Please Specify below)						
<b>ALPHA Lab ID (Lab Use Only)</b>		<b>Sample ID</b>		<b>Collection</b> Date Time		Sample Matrix Sampler's Initials		[Grid for Analysis: TOGS, TOGS, PCBs, PESTS/HERBS, METALS (TOTAL), METALS (DISS.), 10-DRYWE, PFCs]		<b>Sample Specific Comments</b>		
51332-01		MW17-11182020		11/18/2020 14:00		GW		gpc				
02		MW22-11182020		11/18/2020 11:00		GW		gpc				
0203mw		MW22-11182020		11/18/2020 11:00		GW		gpc		MS SAMPLE		
0204mw		MW22-11182020		11/18/2020 11:00		GW		gpc		MSD SAMPLE		
0305mw		GWDUP01-11182020		-		GW		gpc				
0406mw		GWF301-11182020		14:00		Acr		gpc		DEFENSE DUTY		
0507mw		GWEB01-11182020		14:15		Acr		gpc		DEFENSE DUTY		
0608mw		GWTB01-11182020		15:15		AG		gpc		*UNPRESERVED (1) using for vial (1)		
Preservative Code: A = None B = HCl C = HNO <sub>3</sub> D = H <sub>2</sub> SO <sub>4</sub> E = NaOH F = MeOH G = NaHSO <sub>4</sub> H = Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> K/E = Zn Ac/NaOH O = Other		Container Code: P = Plastic A = Amber Glass V = Vial G = Glass B = Bacteria Cup C = Cube O = Other E = Encore D = BOD Bottle		Westboro: Certification No: MA935 Mansfield: Certification No: MA015		Container Type		Preservative		Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)		
		Relinquished By: [Signature]		Date/Time: 11/18/20 15:30		Received By: [Signature]		Date/Time: 11/18/20 15:30				
		Relinquished By: [Signature]		Date/Time: 11/18/20 17:40		Received By: [Signature]		Date/Time: 11/18/20 20:30				
		Relinquished By: [Signature]		Date/Time: 11/19/20 00:15		Received By: [Signature]		Date/Time: 11/19/20 00:15				



## ANALYTICAL REPORT

Lab Number:	L2051716
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Kimberly Semon
Phone:	(212) 479-5486
Project Name:	266-270 WEST 96TH ST.
Project Number:	170432001
Report Date:	11/30/20

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA030), NH NELAP (2062), CT (PH-0141), DoD (L2474), FL (E87814), IL (200081), LA (85084), ME (MA00030), MD (350), NJ (MA015), NY (11627), NC (685), OH (CL106), PA (68-02089), RI (LAO00299), TX (T104704419), VT (VT-0015), VA (460194), WA (C954), US Army Corps of Engineers, USDA (Permit #P330-17-00150), USFWS (Permit #206964).

---

320 Forbes Boulevard, Mansfield, MA 02048-1806  
508-822-9300 (Fax) 508-822-3288 800-624-9220 - [www.alphalab.com](http://www.alphalab.com)





**Project Name:** 266-270 WEST 96TH ST.  
**Project Number:** 170432001

**Lab Number:** L2051716  
**Report Date:** 11/30/20

<b>Alpha Sample ID</b>	<b>Client ID</b>	<b>Matrix</b>	<b>Sample Location</b>	<b>Collection Date/Time</b>	<b>Receive Date</b>
L2051716-01	SV07_11192020	SOIL_VAPOR	NEW YORK, NY	11/19/20 16:25	11/19/20
L2051716-02	AA02_11192020	AIR	NEW YORK, NY	11/19/20 17:00	11/19/20
L2051716-03	SSV09_11192020	SOIL_VAPOR	NEW YORK, NY	11/19/20 17:14	11/19/20
L2051716-04	IA09_11192020	AIR	NEW YORK, NY	11/19/20 17:16	11/19/20
L2051716-05	UNUSED CAN #2118	AIR	NEW YORK, NY		11/19/20
L2051716-06	UNUSED CAN #3094	AIR	NEW YORK, NY		11/19/20
L2051716-07	UNUSED CAN #2066	AIR	NEW YORK, NY		11/19/20

**Project Name:** 266-270 WEST 96TH ST.  
**Project Number:** 170432001

**Lab Number:** L2051716  
**Report Date:** 11/30/20

### Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

**HOLD POLICY** - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

---

**Project Name:** 266-270 WEST 96TH ST.  
**Project Number:** 170432001

**Lab Number:** L2051716  
**Report Date:** 11/30/20

### Case Narrative (continued)

#### Volatile Organics in Air

Canisters were released from the laboratory on October 28, 2020. The canister certification results are provided as an addendum.

The WG1438646-3 LCS recovery for carbon tetrachloride (132%) is above the upper 130% acceptance limit. All samples associated with this LCS do not have reportable amounts of this analyte.

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. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:  Christopher J. Anderson

Title: Technical Director/Representative

Date: 11/30/20

**AIR**

**Project Name:** 266-270 WEST 96TH ST.  
**Project Number:** 170432001

**Lab Number:** L2051716  
**Report Date:** 11/30/20

### SAMPLE RESULTS

Lab ID: L2051716-01  
 Client ID: SV07\_11192020  
 Sample Location: NEW YORK, NY

Date Collected: 11/19/20 16:25  
 Date Received: 11/19/20  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil\_Vapor  
 Analytical Method: 48,TO-15  
 Analytical Date: 11/28/20 01:18  
 Analyst: EW

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.496	0.200	--	2.45	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	1.01	0.200	--	2.23	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	15.5	5.00	--	29.2	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	7.61	1.00	--	18.1	2.38	--		1
Trichlorofluoromethane	0.271	0.200	--	1.52	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	0.854	0.200	--	2.66	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	19.8	0.500	--	58.4	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1



**Project Name:** 266-270 WEST 96TH ST.**Lab Number:** L2051716**Project Number:** 170432001**Report Date:** 11/30/20**SAMPLE RESULTS**

Lab ID: L2051716-01  
 Client ID: SV07\_11192020  
 Sample Location: NEW YORK, NY

Date Collected: 11/19/20 16:25  
 Date Received: 11/19/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
<b>Volatile Organics in Air - Mansfield Lab</b>								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	1.08	0.200	--	5.27	0.977	--		1
Tetrahydrofuran	10.1	0.500	--	29.8	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	1.47	0.200	--	5.18	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	0.897	0.200	--	2.87	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	0.685	0.200	--	2.36	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Xylenes, Total	27.0	0.200	--	117	0.869	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	1.61	0.200	--	7.52	0.934	--		1
Heptane	2.00	0.200	--	8.20	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	12.2	0.200	--	46.0	0.754	--		1
2-Hexanone	1.85	0.200	--	7.58	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	2.52	0.200	--	17.1	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1



**Project Name:** 266-270 WEST 96TH ST.  
**Project Number:** 170432001

**Lab Number:** L2051716  
**Report Date:** 11/30/20

### SAMPLE RESULTS

Lab ID: L2051716-01  
 Client ID: SV07\_11192020  
 Sample Location: NEW YORK, NY

Date Collected: 11/19/20 16:25  
 Date Received: 11/19/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Ethylbenzene	4.88	0.200	--	21.2	0.869	--		1
p/m-Xylene	18.7	0.400	--	81.2	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	8.30	0.200	--	36.1	0.869	--		1
4-Ethyltoluene	1.33	0.200	--	6.54	0.983	--		1
1,3,5-Trimethylbenzene	1.43	0.200	--	7.03	0.983	--		1
1,2,4-Trimethylbenzene	6.08	0.200	--	29.9	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	97		60-140
Bromochloromethane	97		60-140
chlorobenzene-d5	97		60-140



**Project Name:** 266-270 WEST 96TH ST.  
**Project Number:** 170432001

**Lab Number:** L2051716  
**Report Date:** 11/30/20

**SAMPLE RESULTS**

Lab ID: L2051716-02  
 Client ID: AA02\_11192020  
 Sample Location: NEW YORK, NY

Date Collected: 11/19/20 17:00  
 Date Received: 11/19/20  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Air  
 Analytical Method: 48,TO-15  
 Analytical Date: 11/28/20 18:09  
 Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
<b>Volatile Organics in Air - Mansfield Lab</b>								
Dichlorodifluoromethane	0.474	0.200	--	2.34	0.989	--		1
Chloromethane	0.474	0.200	--	0.979	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	5.55	5.00	--	10.5	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	3.43	1.00	--	8.15	2.38	--		1
Trichlorofluoromethane	0.221	0.200	--	1.24	1.12	--		1
Isopropanol	1.10	0.500	--	2.70	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1





**Project Name:** 266-270 WEST 96TH ST.  
**Project Number:** 170432001

**Lab Number:** L2051716  
**Report Date:** 11/30/20

### SAMPLE RESULTS

Lab ID: L2051716-02  
 Client ID: AA02\_11192020  
 Sample Location: NEW YORK, NY

Date Collected: 11/19/20 17:00  
 Date Received: 11/19/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
<b>Volatile Organics in Air - Mansfield Lab</b>								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.994	0.200	--	3.50	0.705	--		1
Benzene	0.211	0.200	--	0.674	0.639	--		1
Cyclohexane	0.533	0.200	--	1.83	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	1.14	0.200	--	4.67	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
Xylenes, Total	ND	0.200	--	ND	0.869	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.324	0.200	--	1.22	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1



**Project Name:** 266-270 WEST 96TH ST.**Lab Number:** L2051716**Project Number:** 170432001**Report Date:** 11/30/20**SAMPLE RESULTS**

Lab ID: L2051716-02  
 Client ID: AA02\_11192020  
 Sample Location: NEW YORK, NY

Date Collected: 11/19/20 17:00  
 Date Received: 11/19/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
<b>Volatile Organics in Air - Mansfield Lab</b>								
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	97		60-140
Bromochloromethane	97		60-140
chlorobenzene-d5	93		60-140



**Project Name:** 266-270 WEST 96TH ST.  
**Project Number:** 170432001

**Lab Number:** L2051716  
**Report Date:** 11/30/20

### SAMPLE RESULTS

Lab ID: L2051716-02  
 Client ID: AA02\_11192020  
 Sample Location: NEW YORK, NY

Date Collected: 11/19/20 17:00  
 Date Received: 11/19/20  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Air  
 Analytical Method: 48,TO-15-SIM  
 Analytical Date: 11/28/20 18:09  
 Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
<b>Volatile Organics in Air by SIM - Mansfield Lab</b>								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.070	0.020	--	0.440	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	97		60-140
bromochloromethane	97		60-140
chlorobenzene-d5	93		60-140



**Project Name:** 266-270 WEST 96TH ST.**Lab Number:** L2051716**Project Number:** 170432001**Report Date:** 11/30/20**SAMPLE RESULTS**

Lab ID: L2051716-03  
 Client ID: SSV09\_11192020  
 Sample Location: NEW YORK, NY

Date Collected: 11/19/20 17:14  
 Date Received: 11/19/20  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil\_Vapor  
 Analytical Method: 48,TO-15  
 Analytical Date: 11/28/20 09:24  
 Analyst: EW

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
<b>Volatile Organics in Air - Mansfield Lab</b>								
Dichlorodifluoromethane	0.834	0.200	--	4.12	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	9.78	5.00	--	18.4	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	4.85	1.00	--	11.5	2.38	--		1
Trichlorofluoromethane	0.258	0.200	--	1.45	1.12	--		1
Isopropanol	0.552	0.500	--	1.36	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	0.521	0.500	--	1.58	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	8.93	0.500	--	26.3	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1



**Project Name:** 266-270 WEST 96TH ST.  
**Project Number:** 170432001

**Lab Number:** L2051716  
**Report Date:** 11/30/20

**SAMPLE RESULTS**

Lab ID: L2051716-03  
 Client ID: SSV09\_11192020  
 Sample Location: NEW YORK, NY

Date Collected: 11/19/20 17:14  
 Date Received: 11/19/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
<b>Volatile Organics in Air - Mansfield Lab</b>								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	56.3	0.200	--	275	0.977	--		1
Tetrahydrofuran	21.3	0.500	--	62.8	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	1.09	0.200	--	3.84	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	0.519	0.200	--	1.66	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	0.653	0.200	--	2.25	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Xylenes, Total	42.8	0.200	--	186	0.869	--		1
Bromodichloromethane	0.558	0.200	--	3.74	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	0.529	0.200	--	2.84	1.07	--		1
2,2,4-Trimethylpentane	2.21	0.200	--	10.3	0.934	--		1
Heptane	2.10	0.200	--	8.61	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	15.4	0.200	--	58.0	0.754	--		1
2-Hexanone	1.95	0.200	--	7.99	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	11.6	0.200	--	78.7	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1



**Project Name:** 266-270 WEST 96TH ST.  
**Project Number:** 170432001

**Lab Number:** L2051716  
**Report Date:** 11/30/20

**SAMPLE RESULTS**

Lab ID: L2051716-03  
 Client ID: SSV09\_11192020  
 Sample Location: NEW YORK, NY

Date Collected: 11/19/20 17:14  
 Date Received: 11/19/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
<b>Volatile Organics in Air - Mansfield Lab</b>								
Ethylbenzene	6.98	0.200	--	30.3	0.869	--		1
p/m-Xylene	29.4	0.400	--	128	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	13.4	0.200	--	58.2	0.869	--		1
4-Ethyltoluene	2.83	0.200	--	13.9	0.983	--		1
1,3,5-Trimethylbenzene	3.45	0.200	--	17.0	0.983	--		1
1,2,4-Trimethylbenzene	14.1	0.200	--	69.3	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	96		60-140
Bromochloromethane	96		60-140
chlorobenzene-d5	100		60-140



**Project Name:** 266-270 WEST 96TH ST.  
**Project Number:** 170432001

**Lab Number:** L2051716  
**Report Date:** 11/30/20

**SAMPLE RESULTS**

Lab ID: L2051716-04  
 Client ID: IA09\_11192020  
 Sample Location: NEW YORK, NY

Date Collected: 11/19/20 17:16  
 Date Received: 11/19/20  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Air  
 Analytical Method: 48,TO-15  
 Analytical Date: 11/27/20 23:19  
 Analyst: EW

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
<b>Volatile Organics in Air - Mansfield Lab</b>								
Dichlorodifluoromethane	0.525	0.200	--	2.60	0.989	--		1
Chloromethane	0.510	0.200	--	1.05	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	11.5	5.00	--	21.7	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	4.13	1.00	--	9.81	2.38	--		1
Trichlorofluoromethane	0.252	0.200	--	1.42	1.12	--		1
Isopropanol	2.10	0.500	--	5.16	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	2.03	0.200	--	9.91	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1



**Project Name:** 266-270 WEST 96TH ST.**Lab Number:** L2051716**Project Number:** 170432001**Report Date:** 11/30/20**SAMPLE RESULTS**

Lab ID: L2051716-04  
 Client ID: IA09\_11192020  
 Sample Location: NEW YORK, NY

Date Collected: 11/19/20 17:16  
 Date Received: 11/19/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
<b>Volatile Organics in Air - Mansfield Lab</b>								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.951	0.200	--	3.35	0.705	--		1
Benzene	0.368	0.200	--	1.18	0.639	--		1
Cyclohexane	0.505	0.200	--	1.74	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	1.34	0.200	--	5.49	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
Xylenes, Total	0.418	0.200	--	1.82	0.869	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.697	0.200	--	2.63	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	0.418	0.400	--	1.82	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1





**Project Name:** 266-270 WEST 96TH ST.**Lab Number:** L2051716**Project Number:** 170432001**Report Date:** 11/30/20**SAMPLE RESULTS**

Lab ID: L2051716-04  
 Client ID: IA09\_11192020  
 Sample Location: NEW YORK, NY

Date Collected: 11/19/20 17:16  
 Date Received: 11/19/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
<b>Volatile Organics in Air - Mansfield Lab</b>								
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	0.247	0.200	--	1.21	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	97		60-140
Bromochloromethane	98		60-140
chlorobenzene-d5	92		60-140



**Project Name:** 266-270 WEST 96TH ST.  
**Project Number:** 170432001

**Lab Number:** L2051716  
**Report Date:** 11/30/20

### SAMPLE RESULTS

Lab ID: L2051716-04  
 Client ID: IA09\_11192020  
 Sample Location: NEW YORK, NY

Date Collected: 11/19/20 17:16  
 Date Received: 11/19/20  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Air  
 Analytical Method: 48,TO-15-SIM  
 Analytical Date: 11/27/20 23:19  
 Analyst: EW

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
<b>Volatile Organics in Air by SIM - Mansfield Lab</b>								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.077	0.020	--	0.484	0.126	--		1
Trichloroethene	0.044	0.020	--	0.236	0.107	--		1
Tetrachloroethene	0.471	0.020	--	3.19	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	102		60-140
bromochloromethane	102		60-140
chlorobenzene-d5	99		60-140



Project Name: 266-270 WEST 96TH ST.

Lab Number: L2051716

Project Number: 170432001

Report Date: 11/30/20

### Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 11/27/20 16:33

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01,03-04 Batch: WG1438646-4								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Xylenes, Total	ND	0.200	--	ND	0.869	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1



Project Name: 266-270 WEST 96TH ST.

Lab Number: L2051716

Project Number: 170432001

Report Date: 11/30/20

### Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 11/27/20 16:33

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01,03-04 Batch: WG1438646-4								
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1



Project Name: 266-270 WEST 96TH ST.

Lab Number: L2051716

Project Number: 170432001

Report Date: 11/30/20

### Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 11/27/20 16:33

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01,03-04 Batch: WG1438646-4								
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: 266-270 WEST 96TH ST.

Lab Number: L2051716

Project Number: 170432001

Report Date: 11/30/20

### Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15-SIM

Analytical Date: 11/27/20 17:13

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 04 Batch: WG1438647-4								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Project Name: 266-270 WEST 96TH ST.

Lab Number: L2051716

Project Number: 170432001

Report Date: 11/30/20

### Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 11/28/20 14:15

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 02 Batch: WG1439010-4								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Xylenes, Total	ND	0.200	--	ND	0.869	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1



Project Name: 266-270 WEST 96TH ST.

Lab Number: L2051716

Project Number: 170432001

Report Date: 11/30/20

### Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 11/28/20 14:15

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 02 Batch: WG1439010-4								
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1



Project Name: 266-270 WEST 96TH ST.

Lab Number: L2051716

Project Number: 170432001

Report Date: 11/30/20

### Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 11/28/20 14:15

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 02 Batch: WG1439010-4								
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: 266-270 WEST 96TH ST.

Lab Number: L2051716

Project Number: 170432001

Report Date: 11/30/20

### Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15-SIM

Analytical Date: 11/28/20 14:55

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 02 Batch: WG1439011-4								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 266-270 WEST 96TH ST.

**Lab Number:** L2051716

**Project Number:** 170432001

**Report Date:** 11/30/20

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01,03-04 Batch: WG1438646-3								
Dichlorodifluoromethane	101		-		70-130	-		
Chloromethane	97		-		70-130	-		
Freon-114	105		-		70-130	-		
Vinyl chloride	105		-		70-130	-		
1,3-Butadiene	107		-		70-130	-		
Bromomethane	106		-		70-130	-		
Chloroethane	106		-		70-130	-		
Ethanol	99		-		40-160	-		
Vinyl bromide	103		-		70-130	-		
Acetone	102		-		40-160	-		
Trichlorofluoromethane	120		-		70-130	-		
Isopropanol	98		-		40-160	-		
1,1-Dichloroethene	116		-		70-130	-		
Tertiary butyl Alcohol	114		-		70-130	-		
Methylene chloride	117		-		70-130	-		
3-Chloropropene	112		-		70-130	-		
Carbon disulfide	103		-		70-130	-		
Freon-113	111		-		70-130	-		
trans-1,2-Dichloroethene	104		-		70-130	-		
1,1-Dichloroethane	106		-		70-130	-		
Methyl tert butyl ether	100		-		70-130	-		
2-Butanone	95		-		70-130	-		
cis-1,2-Dichloroethene	109		-		70-130	-		

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 266-270 WEST 96TH ST.

**Lab Number:** L2051716

**Project Number:** 170432001

**Report Date:** 11/30/20

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01,03-04 Batch: WG1438646-3								
Ethyl Acetate	102		-		70-130	-		
Chloroform	113		-		70-130	-		
Tetrahydrofuran	101		-		70-130	-		
1,2-Dichloroethane	116		-		70-130	-		
n-Hexane	111		-		70-130	-		
1,1,1-Trichloroethane	124		-		70-130	-		
Benzene	107		-		70-130	-		
Carbon tetrachloride	132	Q	-		70-130	-		
Cyclohexane	110		-		70-130	-		
1,2-Dichloropropane	104		-		70-130	-		
Bromodichloromethane	122		-		70-130	-		
1,4-Dioxane	113		-		70-130	-		
Trichloroethene	109		-		70-130	-		
2,2,4-Trimethylpentane	112		-		70-130	-		
Heptane	112		-		70-130	-		
cis-1,3-Dichloropropene	120		-		70-130	-		
4-Methyl-2-pentanone	114		-		70-130	-		
trans-1,3-Dichloropropene	110		-		70-130	-		
1,1,2-Trichloroethane	108		-		70-130	-		
Toluene	97		-		70-130	-		
2-Hexanone	110		-		70-130	-		
Dibromochloromethane	114		-		70-130	-		
1,2-Dibromoethane	102		-		70-130	-		

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 266-270 WEST 96TH ST.

**Lab Number:** L2051716

**Project Number:** 170432001

**Report Date:** 11/30/20

<b>Parameter</b>	<b>LCS %Recovery</b>	<b>Qual</b>	<b>LCSD %Recovery</b>	<b>Qual</b>	<b>%Recovery Limits</b>	<b>RPD</b>	<b>Qual</b>	<b>RPD Limits</b>
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01,03-04 Batch: WG1438646-3								
Tetrachloroethene	96		-		70-130	-		
Chlorobenzene	98		-		70-130	-		
Ethylbenzene	104		-		70-130	-		
p/m-Xylene	106		-		70-130	-		
Bromoform	112		-		70-130	-		
Styrene	104		-		70-130	-		
1,1,2,2-Tetrachloroethane	104		-		70-130	-		
o-Xylene	108		-		70-130	-		
4-Ethyltoluene	101		-		70-130	-		
1,3,5-Trimethylbenzene	96		-		70-130	-		
1,2,4-Trimethylbenzene	104		-		70-130	-		
Benzyl chloride	105		-		70-130	-		
1,3-Dichlorobenzene	103		-		70-130	-		
1,4-Dichlorobenzene	99		-		70-130	-		
1,2-Dichlorobenzene	98		-		70-130	-		
1,2,4-Trichlorobenzene	93		-		70-130	-		
Hexachlorobutadiene	105		-		70-130	-		

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 266-270 WEST 96TH ST.

**Project Number:** 170432001

**Lab Number:** L2051716

**Report Date:** 11/30/20

<b>Parameter</b>	<b>LCS %Recovery</b>	<b>Qual</b>	<b>LCSD %Recovery</b>	<b>Qual</b>	<b>%Recovery Limits</b>	<b>RPD</b>	<b>Qual</b>	<b>RPD Limits</b>
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 04 Batch: WG1438647-3								
Vinyl chloride	97		-		70-130	-		25
1,1-Dichloroethene	105		-		70-130	-		25
cis-1,2-Dichloroethene	98		-		70-130	-		25
1,1,1-Trichloroethane	110		-		70-130	-		25
Carbon tetrachloride	115		-		70-130	-		25
Trichloroethene	99		-		70-130	-		25
Tetrachloroethene	90		-		70-130	-		25

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 266-270 WEST 96TH ST.

**Lab Number:** L2051716

**Project Number:** 170432001

**Report Date:** 11/30/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 02 Batch: WG1439010-3								
Dichlorodifluoromethane	85		-		70-130	-		
Chloromethane	83		-		70-130	-		
Freon-114	89		-		70-130	-		
Vinyl chloride	88		-		70-130	-		
1,3-Butadiene	91		-		70-130	-		
Bromomethane	88		-		70-130	-		
Chloroethane	89		-		70-130	-		
Ethanol	82		-		40-160	-		
Vinyl bromide	86		-		70-130	-		
Acetone	86		-		40-160	-		
Trichlorofluoromethane	100		-		70-130	-		
Isopropanol	82		-		40-160	-		
1,1-Dichloroethene	96		-		70-130	-		
Tertiary butyl Alcohol	94		-		70-130	-		
Methylene chloride	98		-		70-130	-		
3-Chloropropene	94		-		70-130	-		
Carbon disulfide	85		-		70-130	-		
Freon-113	92		-		70-130	-		
trans-1,2-Dichloroethene	86		-		70-130	-		
1,1-Dichloroethane	88		-		70-130	-		
Methyl tert butyl ether	86		-		70-130	-		
2-Butanone	80		-		70-130	-		
cis-1,2-Dichloroethene	92		-		70-130	-		

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 266-270 WEST 96TH ST.

**Lab Number:** L2051716

**Project Number:** 170432001

**Report Date:** 11/30/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 02 Batch: WG1439010-3								
Ethyl Acetate	89		-		70-130	-		
Chloroform	96		-		70-130	-		
Tetrahydrofuran	85		-		70-130	-		
1,2-Dichloroethane	99		-		70-130	-		
n-Hexane	92		-		70-130	-		
1,1,1-Trichloroethane	103		-		70-130	-		
Benzene	91		-		70-130	-		
Carbon tetrachloride	107		-		70-130	-		
Cyclohexane	92		-		70-130	-		
1,2-Dichloropropane	87		-		70-130	-		
Bromodichloromethane	100		-		70-130	-		
1,4-Dioxane	92		-		70-130	-		
Trichloroethene	91		-		70-130	-		
2,2,4-Trimethylpentane	93		-		70-130	-		
Heptane	94		-		70-130	-		
cis-1,3-Dichloropropene	100		-		70-130	-		
4-Methyl-2-pentanone	94		-		70-130	-		
trans-1,3-Dichloropropene	90		-		70-130	-		
1,1,2-Trichloroethane	90		-		70-130	-		
Toluene	82		-		70-130	-		
2-Hexanone	92		-		70-130	-		
Dibromochloromethane	94		-		70-130	-		
1,2-Dibromoethane	86		-		70-130	-		



## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 266-270 WEST 96TH ST.

**Lab Number:** L2051716

**Project Number:** 170432001

**Report Date:** 11/30/20

<b>Parameter</b>	<b>LCS %Recovery</b>	<b>Qual</b>	<b>LCSD %Recovery</b>	<b>Qual</b>	<b>%Recovery Limits</b>	<b>RPD</b>	<b>Qual</b>	<b>RPD Limits</b>
Volatile Organics in Air - Mansfield Lab Associated sample(s): 02 Batch: WG1439010-3								
Tetrachloroethene	83		-		70-130	-		
Chlorobenzene	83		-		70-130	-		
Ethylbenzene	88		-		70-130	-		
p/m-Xylene	88		-		70-130	-		
Bromoform	93		-		70-130	-		
Styrene	86		-		70-130	-		
1,1,2,2-Tetrachloroethane	86		-		70-130	-		
o-Xylene	91		-		70-130	-		
4-Ethyltoluene	86		-		70-130	-		
1,3,5-Trimethylbenzene	75		-		70-130	-		
1,2,4-Trimethylbenzene	88		-		70-130	-		
Benzyl chloride	85		-		70-130	-		
1,3-Dichlorobenzene	85		-		70-130	-		
1,4-Dichlorobenzene	83		-		70-130	-		
1,2-Dichlorobenzene	82		-		70-130	-		
1,2,4-Trichlorobenzene	76		-		70-130	-		
Hexachlorobutadiene	90		-		70-130	-		

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 266-270 WEST 96TH ST.

**Project Number:** 170432001

**Lab Number:** L2051716

**Report Date:** 11/30/20

<b>Parameter</b>	<b>LCS %Recovery</b>	<b>Qual</b>	<b>LCSD %Recovery</b>	<b>Qual</b>	<b>%Recovery Limits</b>	<b>RPD</b>	<b>Qual</b>	<b>RPD Limits</b>
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 02 Batch: WG1439011-3								
Vinyl chloride	83		-		70-130	-		25
1,1-Dichloroethene	90		-		70-130	-		25
cis-1,2-Dichloroethene	86		-		70-130	-		25
1,1,1-Trichloroethane	96		-		70-130	-		25
Carbon tetrachloride	101		-		70-130	-		25
Trichloroethene	88		-		70-130	-		25
Tetrachloroethene	76		-		70-130	-		25

## Lab Duplicate Analysis

### Batch Quality Control

Project Name: 266-270 WEST 96TH ST.

Project Number: 170432001

Lab Number: L2051716

Report Date: 11/30/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01,03-04 QC Batch ID: WG1438646-5 QC Sample: L2051716-04 Client ID: IA09_11192020						
Dichlorodifluoromethane	0.525	0.516	ppbV	2		25
Chloromethane	0.510	0.513	ppbV	1		25
Freon-114	ND	ND	ppbV	NC		25
1,3-Butadiene	ND	ND	ppbV	NC		25
Bromomethane	ND	ND	ppbV	NC		25
Chloroethane	ND	ND	ppbV	NC		25
Ethanol	11.5	11.5	ppbV	0		25
Vinyl bromide	ND	ND	ppbV	NC		25
Acetone	4.13	4.05	ppbV	2		25
Trichlorofluoromethane	0.252	0.256	ppbV	2		25
Isopropanol	2.10	2.10	ppbV	0		25
Tertiary butyl Alcohol	ND	ND	ppbV	NC		25
Methylene chloride	ND	ND	ppbV	NC		25
3-Chloropropene	ND	ND	ppbV	NC		25
Carbon disulfide	ND	ND	ppbV	NC		25
Freon-113	ND	ND	ppbV	NC		25
trans-1,2-Dichloroethene	ND	ND	ppbV	NC		25
1,1-Dichloroethane	ND	ND	ppbV	NC		25
Methyl tert butyl ether	ND	ND	ppbV	NC		25
2-Butanone	ND	ND	ppbV	NC		25
Ethyl Acetate	ND	ND	ppbV	NC		25

## Lab Duplicate Analysis

### Batch Quality Control

Project Name: 266-270 WEST 96TH ST.

Project Number: 170432001

Lab Number: L2051716

Report Date: 11/30/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01,03-04 QC Batch ID: WG1438646-5 QC Sample: L2051716-04 Client ID: IA09_11192020						
Chloroform	2.03	2.05	ppbV	1		25
Tetrahydrofuran	ND	ND	ppbV	NC		25
1,2-Dichloroethane	ND	ND	ppbV	NC		25
n-Hexane	0.951	0.981	ppbV	3		25
Benzene	0.368	0.378	ppbV	3		25
Cyclohexane	0.505	0.530	ppbV	5		25
1,2-Dichloropropane	ND	ND	ppbV	NC		25
Bromodichloromethane	ND	ND	ppbV	NC		25
1,4-Dioxane	ND	ND	ppbV	NC		25
2,2,4-Trimethylpentane	ND	0.201	ppbV	NC		25
Heptane	1.34	1.36	ppbV	1		25
cis-1,3-Dichloropropene	ND	ND	ppbV	NC		25
Xylenes, Total	0.418	0.430	ppbV	3		25
4-Methyl-2-pentanone	ND	ND	ppbV	NC		25
trans-1,3-Dichloropropene	ND	ND	ppbV	NC		25
1,1,2-Trichloroethane	ND	ND	ppbV	NC		25
Toluene	0.697	0.707	ppbV	1		25
2-Hexanone	ND	ND	ppbV	NC		25
Dibromochloromethane	ND	ND	ppbV	NC		25
1,2-Dibromoethane	ND	ND	ppbV	NC		25
Chlorobenzene	ND	ND	ppbV	NC		25

## Lab Duplicate Analysis

### Batch Quality Control

Project Name: 266-270 WEST 96TH ST.

Project Number: 170432001

Lab Number: L2051716

Report Date: 11/30/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01,03-04 QC Batch ID: WG1438646-5 QC Sample: L2051716-04 Client ID: IA09_11192020						
Ethylbenzene	ND	ND	ppbV	NC		25
p/m-Xylene	0.418	0.430	ppbV	3		25
Bromoform	ND	ND	ppbV	NC		25
Styrene	ND	ND	ppbV	NC		25
1,1,2,2-Tetrachloroethane	ND	ND	ppbV	NC		25
o-Xylene	ND	ND	ppbV	NC		25
4-Ethyltoluene	ND	ND	ppbV	NC		25
1,3,5-Trimethylbenzene	ND	ND	ppbV	NC		25
1,2,4-Trimethylbenzene	0.247	0.250	ppbV	1		25
Benzyl chloride	ND	ND	ppbV	NC		25
1,3-Dichlorobenzene	ND	ND	ppbV	NC		25
1,4-Dichlorobenzene	ND	ND	ppbV	NC		25
1,2-Dichlorobenzene	ND	ND	ppbV	NC		25
1,2,4-Trichlorobenzene	ND	ND	ppbV	NC		25
Hexachlorobutadiene	ND	ND	ppbV	NC		25

## Lab Duplicate Analysis

Batch Quality Control

Project Name: 266-270 WEST 96TH ST.

Project Number: 170432001

Lab Number: L2051716

Report Date: 11/30/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 04 QC Batch ID: WG1438647-5 QC Sample: L2051716-04 Client ID: IA09_11192020						
Vinyl chloride	ND	ND	ppbV	NC		25
1,1-Dichloroethene	ND	ND	ppbV	NC		25
cis-1,2-Dichloroethene	ND	ND	ppbV	NC		25
1,1,1-Trichloroethane	ND	ND	ppbV	NC		25
Carbon tetrachloride	0.077	0.085	ppbV	10		25
Trichloroethene	0.044	0.043	ppbV	2		25
Tetrachloroethene	0.471	0.484	ppbV	3		25

Project Name: 266-270 WEST 96TH ST.

Serial\_No:11302015:10  
Lab Number: L2051716

Project Number: 170432001

Report Date: 11/30/20

### Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controller Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L2051716-01	SV07_11192020	01526	Flow 3	10/28/20	333850		-	-	-	Pass	10.0	10.5	5
L2051716-01	SV07_11192020	898	6.0L Can	10/28/20	333850	L2046066-04	Pass	-29.3	-1.6	-	-	-	-
L2051716-02	AA02_11192020	01667	Flow 4	10/28/20	333850		-	-	-	Pass	10.0	10.0	0
L2051716-02	AA02_11192020	2291	6.0L Can	10/28/20	333850	L2042898-03	Pass	-29.0	-2.9	-	-	-	-
L2051716-03	SSV09_11192020	01062	Flow 5	10/28/20	333850		-	-	-	Pass	10.0	9.9	1
L2051716-03	SSV09_11192020	3125	6.0L Can	10/28/20	333850	L2046066-05	Pass	-29.3	-5.6	-	-	-	-
L2051716-04	IA09_11192020	0915	Flow 5	10/28/20	333850		-	-	-	Pass	10.0	9.7	3
L2051716-04	IA09_11192020	956	6.0L Can	10/28/20	333850	L2042898-01	Pass	-29.5	-5.6	-	-	-	-
L2051716-05	UNUSED CAN #2118	0775	Flow 4	10/28/20	333850		-	-	-	Pass	10.0	10.6	6
L2051716-05	UNUSED CAN #2118	2118	6.0L Can	10/28/20	333850	L2042898-05	Pass	-29.4	0.0	-	-	-	-
L2051716-06	UNUSED CAN #3094	0760	Flow 4	10/28/20	333850		-	-	-	Pass	10.0	10.2	2
L2051716-06	UNUSED CAN #3094	3094	6.0L Can	10/28/20	333850	L2046066-05	Pass	-29.5	-13.4	-	-	-	-
L2051716-07	UNUSED CAN #2066	0676	Flow 4	10/28/20	333850		-	-	-	Pass	10.0	11.3	12
L2051716-07	UNUSED CAN #2066	2066	6.0L Can	10/28/20	333850	L2046066-05	Pass	-29.5	-28.4	-	-	-	-

**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L2042898  
**Report Date:** 11/30/20

### Air Canister Certification Results

Lab ID: L2042898-01  
 Client ID: CAN 956 SHELF 43  
 Sample Location:

Date Collected: 10/07/20 16:00  
 Date Received: 10/08/20  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Air  
 Analytical Method: 48,TO-15  
 Analytical Date: 10/12/20 20:54  
 Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1



**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L2042898  
**Report Date:** 11/30/20

### Air Canister Certification Results

Lab ID: L2042898-01  
 Client ID: CAN 956 SHELF 43  
 Sample Location:

Date Collected: 10/07/20 16:00  
 Date Received: 10/08/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
Xylenes, total	ND	0.600	--	ND	0.869	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,2-Dichloroethene (total)	ND	1.00	--	ND	1.00	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1

**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L2042898  
**Report Date:** 11/30/20

### Air Canister Certification Results

Lab ID: L2042898-01  
 Client ID: CAN 956 SHELF 43  
 Sample Location:

Date Collected: 10/07/20 16:00  
 Date Received: 10/08/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1



**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L2042898  
**Report Date:** 11/30/20

### Air Canister Certification Results

Lab ID: L2042898-01  
 Client ID: CAN 956 SHELF 43  
 Sample Location:

Date Collected: 10/07/20 16:00  
 Date Received: 10/08/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1



**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L2042898  
**Report Date:** 11/30/20

### Air Canister Certification Results

Lab ID: L2042898-01  
 Client ID: CAN 956 SHELF 43  
 Sample Location:

Date Collected: 10/07/20 16:00  
 Date Received: 10/08/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								

Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds				

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	109		60-140
Bromochloromethane	121		60-140
chlorobenzene-d5	121		60-140

**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L2042898  
**Report Date:** 11/30/20

### Air Canister Certification Results

Lab ID: L2042898-01  
 Client ID: CAN 956 SHELF 43  
 Sample Location:

Date Collected: 10/07/20 16:00  
 Date Received: 10/08/20  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Air  
 Analytical Method: 48,TO-15-SIM  
 Analytical Date: 10/12/20 20:54  
 Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Acrolein	ND	0.050	--	ND	0.115	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1



**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L2042898  
**Report Date:** 11/30/20

### Air Canister Certification Results

Lab ID: L2042898-01  
 Client ID: CAN 956 SHELF 43  
 Sample Location:

Date Collected: 10/07/20 16:00  
 Date Received: 10/08/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1

**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L2042898  
**Report Date:** 11/30/20

### Air Canister Certification Results

Lab ID: L2042898-01  
 Client ID: CAN 956 SHELF 43  
 Sample Location:

Date Collected: 10/07/20 16:00  
 Date Received: 10/08/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	110		60-140
bromochloromethane	123		60-140
chlorobenzene-d5	119		60-140

**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L2042898  
**Report Date:** 11/30/20

### Air Canister Certification Results

Lab ID: L2042898-03  
 Client ID: CAN 2291 SHELF 56  
 Sample Location:

Date Collected: 10/07/20 16:00  
 Date Received: 10/08/20  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Air  
 Analytical Method: 48,TO-15  
 Analytical Date: 10/12/20 22:12  
 Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1





**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L2042898  
**Report Date:** 11/30/20

### Air Canister Certification Results

Lab ID: L2042898-03  
 Client ID: CAN 2291 SHELF 56  
 Sample Location:

Date Collected: 10/07/20 16:00  
 Date Received: 10/08/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
Xylenes, total	ND	0.600	--	ND	0.869	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,2-Dichloroethene (total)	ND	1.00	--	ND	1.00	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1



**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L2042898  
**Report Date:** 11/30/20

### Air Canister Certification Results

Lab ID: L2042898-03  
 Client ID: CAN 2291 SHELF 56  
 Sample Location:

Date Collected: 10/07/20 16:00  
 Date Received: 10/08/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1



**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L2042898  
**Report Date:** 11/30/20

### Air Canister Certification Results

Lab ID: L2042898-03  
 Client ID: CAN 2291 SHELF 56  
 Sample Location:

Date Collected: 10/07/20 16:00  
 Date Received: 10/08/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1



**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L2042898  
**Report Date:** 11/30/20

### Air Canister Certification Results

Lab ID: L2042898-03  
 Client ID: CAN 2291 SHELF 56  
 Sample Location:

Date Collected: 10/07/20 16:00  
 Date Received: 10/08/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								

Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds				

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	111		60-140
Bromochloromethane	127		60-140
chlorobenzene-d5	124		60-140



**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L2042898  
**Report Date:** 11/30/20

### Air Canister Certification Results

Lab ID: L2042898-03  
 Client ID: CAN 2291 SHELF 56  
 Sample Location:

Date Collected: 10/07/20 16:00  
 Date Received: 10/08/20  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Air  
 Analytical Method: 48,TO-15-SIM  
 Analytical Date: 10/12/20 22:12  
 Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Acrolein	ND	0.050	--	ND	0.115	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1



**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L2042898  
**Report Date:** 11/30/20

### Air Canister Certification Results

Lab ID: L2042898-03  
 Client ID: CAN 2291 SHELF 56  
 Sample Location:

Date Collected: 10/07/20 16:00  
 Date Received: 10/08/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1



**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L2042898  
**Report Date:** 11/30/20

### Air Canister Certification Results

Lab ID: L2042898-03  
 Client ID: CAN 2291 SHELF 56  
 Sample Location:

Date Collected: 10/07/20 16:00  
 Date Received: 10/08/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	112		60-140
bromochloromethane	129		60-140
chlorobenzene-d5	123		60-140

**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L2042898  
**Report Date:** 11/30/20

### Air Canister Certification Results

Lab ID: L2042898-05  
 Client ID: CAN 2118 SHELF 31  
 Sample Location:

Date Collected: 10/08/20 09:00  
 Date Received: 10/08/20  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Air  
 Analytical Method: 48,TO-15  
 Analytical Date: 10/12/20 23:30  
 Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1



**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L2042898  
**Report Date:** 11/30/20

### Air Canister Certification Results

Lab ID: L2042898-05  
 Client ID: CAN 2118 SHELF 31  
 Sample Location:

Date Collected: 10/08/20 09:00  
 Date Received: 10/08/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Xylenes, total	ND	0.600	--	ND	0.869	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,2-Dichloroethene (total)	ND	1.00	--	ND	1.00	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1



**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L2042898  
**Report Date:** 11/30/20

### Air Canister Certification Results

Lab ID: L2042898-05  
 Client ID: CAN 2118 SHELF 31  
 Sample Location:

Date Collected: 10/08/20 09:00  
 Date Received: 10/08/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1



**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L2042898  
**Report Date:** 11/30/20

### Air Canister Certification Results

Lab ID: L2042898-05  
 Client ID: CAN 2118 SHELF 31  
 Sample Location:

Date Collected: 10/08/20 09:00  
 Date Received: 10/08/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1



**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L2042898  
**Report Date:** 11/30/20

### Air Canister Certification Results

Lab ID: L2042898-05  
 Client ID: CAN 2118 SHELF 31  
 Sample Location:

Date Collected: 10/08/20 09:00  
 Date Received: 10/08/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								

Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds				

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	109		60-140
Bromochloromethane	127		60-140
chlorobenzene-d5	125		60-140



**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L2042898  
**Report Date:** 11/30/20

### Air Canister Certification Results

Lab ID: L2042898-05  
 Client ID: CAN 2118 SHELF 31  
 Sample Location:

Date Collected: 10/08/20 09:00  
 Date Received: 10/08/20  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Air  
 Analytical Method: 48,TO-15-SIM  
 Analytical Date: 10/12/20 23:30  
 Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Acrolein	ND	0.050	--	ND	0.115	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1



**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L2042898  
**Report Date:** 11/30/20

### Air Canister Certification Results

Lab ID: L2042898-05  
 Client ID: CAN 2118 SHELF 31  
 Sample Location:

Date Collected: 10/08/20 09:00  
 Date Received: 10/08/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1

**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L2042898  
**Report Date:** 11/30/20

### Air Canister Certification Results

Lab ID: L2042898-05  
 Client ID: CAN 2118 SHELF 31  
 Sample Location:

Date Collected: 10/08/20 09:00  
 Date Received: 10/08/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	110		60-140
bromochloromethane	129		60-140
chlorobenzene-d5	124		60-140

**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L2046066  
**Report Date:** 11/30/20

### Air Canister Certification Results

Lab ID: L2046066-04  
 Client ID: CAN 961 SHELF 37  
 Sample Location:

Date Collected: 10/22/20 16:00  
 Date Received: 10/23/20  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Air  
 Analytical Method: 48,TO-15  
 Analytical Date: 10/24/20 02:53  
 Analyst: EW

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1



**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L2046066  
**Report Date:** 11/30/20

### Air Canister Certification Results

Lab ID: L2046066-04  
 Client ID: CAN 961 SHELF 37  
 Sample Location:

Date Collected: 10/22/20 16:00  
 Date Received: 10/23/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Xylenes, total	ND	0.600	--	ND	0.869	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
1,2-Dichloroethene (total)	ND	1.00	--	ND	1.00	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1



**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L2046066  
**Report Date:** 11/30/20

### Air Canister Certification Results

Lab ID: L2046066-04  
 Client ID: CAN 961 SHELF 37  
 Sample Location:

Date Collected: 10/22/20 16:00  
 Date Received: 10/23/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1



**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L2046066  
**Report Date:** 11/30/20

### Air Canister Certification Results

Lab ID: L2046066-04  
 Client ID: CAN 961 SHELF 37  
 Sample Location:

Date Collected: 10/22/20 16:00  
 Date Received: 10/23/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,3-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1



**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L2046066  
**Report Date:** 11/30/20

### Air Canister Certification Results

Lab ID: L2046066-04  
 Client ID: CAN 961 SHELF 37  
 Sample Location:

Date Collected: 10/22/20 16:00  
 Date Received: 10/23/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds				

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	87		60-140
Bromochloromethane	87		60-140
chlorobenzene-d5	84		60-140

**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L2046066  
**Report Date:** 11/30/20

### Air Canister Certification Results

Lab ID: L2046066-04  
 Client ID: CAN 961 SHELF 37  
 Sample Location:

Date Collected: 10/22/20 16:00  
 Date Received: 10/23/20  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Air  
 Analytical Method: 48,TO-15-SIM  
 Analytical Date: 10/24/20 02:53  
 Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Acrolein	ND	0.050	--	ND	0.115	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1



**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L2046066  
**Report Date:** 11/30/20

### Air Canister Certification Results

Lab ID: L2046066-04  
 Client ID: CAN 961 SHELF 37  
 Sample Location:

Date Collected: 10/22/20 16:00  
 Date Received: 10/23/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1



**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L2046066  
**Report Date:** 11/30/20

### Air Canister Certification Results

Lab ID: L2046066-04  
 Client ID: CAN 961 SHELF 37  
 Sample Location:

Date Collected: 10/22/20 16:00  
 Date Received: 10/23/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	95		60-140
bromochloromethane	98		60-140
chlorobenzene-d5	96		60-140

**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L2046066  
**Report Date:** 11/30/20

### Air Canister Certification Results

Lab ID: L2046066-05  
 Client ID: CAN 935 SHELF 38  
 Sample Location:

Date Collected: 10/22/20 16:00  
 Date Received: 10/23/20  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Air  
 Analytical Method: 48,TO-15  
 Analytical Date: 10/24/20 03:35  
 Analyst: EW

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1





**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L2046066  
**Report Date:** 11/30/20

### Air Canister Certification Results

Lab ID: L2046066-05  
 Client ID: CAN 935 SHELF 38  
 Sample Location:

Date Collected: 10/22/20 16:00  
 Date Received: 10/23/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
Xylenes, total	ND	0.600	--	ND	0.869	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
1,2-Dichloroethene (total)	ND	1.00	--	ND	1.00	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1



**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L2046066  
**Report Date:** 11/30/20

### Air Canister Certification Results

Lab ID: L2046066-05  
 Client ID: CAN 935 SHELF 38  
 Sample Location:

Date Collected: 10/22/20 16:00  
 Date Received: 10/23/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1

**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L2046066  
**Report Date:** 11/30/20

### Air Canister Certification Results

Lab ID: L2046066-05  
 Client ID: CAN 935 SHELF 38  
 Sample Location:

Date Collected: 10/22/20 16:00  
 Date Received: 10/23/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,3-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1



**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L2046066  
**Report Date:** 11/30/20

### Air Canister Certification Results

Lab ID: L2046066-05  
 Client ID: CAN 935 SHELF 38  
 Sample Location:

Date Collected: 10/22/20 16:00  
 Date Received: 10/23/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds				

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	90		60-140
Bromochloromethane	90		60-140
chlorobenzene-d5	86		60-140

**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L2046066  
**Report Date:** 11/30/20

### Air Canister Certification Results

Lab ID: L2046066-05  
 Client ID: CAN 935 SHELF 38  
 Sample Location:

Date Collected: 10/22/20 16:00  
 Date Received: 10/23/20  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Air  
 Analytical Method: 48,TO-15-SIM  
 Analytical Date: 10/24/20 03:35  
 Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Acrolein	ND	0.050	--	ND	0.115	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1



**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L2046066  
**Report Date:** 11/30/20

### Air Canister Certification Results

Lab ID: L2046066-05  
 Client ID: CAN 935 SHELF 38  
 Sample Location:

Date Collected: 10/22/20 16:00  
 Date Received: 10/23/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1



**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L2046066  
**Report Date:** 11/30/20

### Air Canister Certification Results

Lab ID: L2046066-05  
 Client ID: CAN 935 SHELF 38  
 Sample Location:

Date Collected: 10/22/20 16:00  
 Date Received: 10/23/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	98		60-140
bromochloromethane	103		60-140
chlorobenzene-d5	98		60-140

**Project Name:** 266-270 WEST 96TH ST.**Lab Number:** L2051716**Project Number:** 170432001**Report Date:** 11/30/20**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

**Cooler Information**

<b>Cooler</b>	<b>Custody Seal</b>
NA	Absent

**Container Information**

<b>Container ID</b>	<b>Container Type</b>	<b>Cooler</b>	<b>Initial pH</b>	<b>Final pH</b>	<b>Temp deg C</b>	<b>Pres</b>	<b>Seal</b>	<b>Frozen Date/Time</b>	<b>Analysis(*)</b>
L2051716-01A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-LL(30)
L2051716-02A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)
L2051716-03A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-LL(30)
L2051716-04A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)
L2051716-05A	Canister - 6 Liter	NA	NA			Y	Absent		CLEAN-FEE()
L2051716-06A	Canister - 6 Liter	NA	NA			Y	Absent		CLEAN-FEE()
L2051716-07A	Canister - 6 Liter	NA	NA			Y	Absent		CLEAN-FEE()



**Project Name:** 266-270 WEST 96TH ST.  
**Project Number:** 170432001

**Lab Number:** L2051716  
**Report Date:** 11/30/20

## GLOSSARY

### Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)  Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: Data Usability Report



**Project Name:** 266-270 WEST 96TH ST.  
**Project Number:** 170432001

**Lab Number:** L2051716  
**Report Date:** 11/30/20

#### Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

#### Terms

**Analytical Method:** Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

**Difference:** With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

**Final pH:** As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

**Frozen Date/Time:** With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

**Initial pH:** As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

**PAH Total:** With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benzo(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

**PFAS Total:** With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

**Total:** With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

#### Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the reporting limit (RL) for the sample.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.

Report Format: Data Usability Report



**Project Name:** 266-270 WEST 96TH ST.**Lab Number:** L2051716**Project Number:** 170432001**Report Date:** 11/30/20**Data Qualifiers**

- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.

**Project Name:** 266-270 WEST 96TH ST.  
**Project Number:** 170432001

**Lab Number:** L2051716  
**Report Date:** 11/30/20

## REFERENCES

- 48 Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air. Second Edition. EPA/625/R-96/010b, January 1999.

## LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



## Certification Information

---

The following analytes are not included in our Primary NELAP Scope of Accreditation:

### Westborough Facility

**EPA 624/624.1:** m/p-xylene, o-xylene, Naphthalene

**EPA 8260C:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.

**EPA 8270D:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.

**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO<sub>2</sub>, NO<sub>3</sub>.

### Mansfield Facility

**SM 2540D:** TSS

**EPA 8082A:** NPW: PCB: 1, 5, 31, 87, 101, 110, 141, 151, 153, 180, 183, 187.

**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

**EPA TO-12** Non-methane organics

**EPA 3C** Fixed gases

**Biological Tissue Matrix:** EPA 3050B

---

The following analytes are included in our Massachusetts DEP Scope of Accreditation

### Westborough Facility:

#### Drinking Water

**EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,**

**EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**

**EPA 332:** Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.

**Microbiology:** **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.**

#### Non-Potable Water

**SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:** Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.

**EPA 624.1:** Volatile Halocarbons & Aromatics,

**EPA 608.3:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

**EPA 625.1:** SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.

**Microbiology:** **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.**

### Mansfield Facility:

#### Drinking Water

**EPA 200.7:** Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.

**EPA 522.**

#### Non-Potable Water

**EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.

**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.

**EPA 245.1** Hg.

**SM2340B**

---

For a complete listing of analytes and methods, please contact your Alpha Project Manager.





# AIR ANALYSIS

PAGE 1 OF 1

CHAIN OF CUSTODY

320 Forbes Blvd, Mansfield, MA 02048  
 TEL: 508-822-9300 FAX: 508-822-3288

**Client Information**

Client: LANGAN, PPC  
 Address: [down arrow]  
 Phone: [down arrow]  
 Fax: [down arrow]  
 Email: ksemench@langan.com

**Project Information**

Project Name: 266-270 W 96th Street  
 Project Location: New York, NY  
 Project #: 170 432 001  
 Project Manager: KIMBERLY SEMIN  
 ALPHA Quote #:

**Turn-Around Time**

Standard  RUSH (only confirmed if pre-approved)  
 Date Due: \_\_\_\_\_ Time: \_\_\_\_\_

Date Rec'd in Lab: 11/20/2020

ALPHA Job #: L2051716

**Report Information - Data Deliverables**

FAX  
 ADEx  
 Criteria Checker: \_\_\_\_\_  
 (Default based on Regulatory Criteria Indicated)  
 Other Formats:  
 EMAIL (standard pdf report)  
 Additional Deliverables:  
ASPB  
 Report to: (if different than Project Manager)

**Billing Information**

Same as Client Info PO #: \_\_\_\_\_

**Regulatory Requirements/Report Limits**

State/Fed	Program	Res / Comm
<u>NYDOH</u>		

These samples have been previously analyzed by Alpha

Other Project Specific Requirements/Comments:  
 Project-Specific Target Compound List:  email jyanowitz@langan.com

**All Columns Below Must Be Filled Out**

ALPHA Lab ID (Lab Use Only)	Sample ID	COLLECTION						Sample Matrix*	Sampler's Initials	Can Size	I D Can	I D - Flow Controller	ANALYSIS				Sample Comments (i.e. PID)
		End Date	Start Time	End Time	Initial Vacuum	Final Vacuum	TO-15						TO-15 SIM	APH	Fixed Gases	Sulfides & Mercaptans by TO-15	
<u>716-01</u>	<u>SV07-11192020</u>	<u>11/19/2020</u>	<u>0842</u>	<u>1625</u>	<u>-30.71</u>	<u>-4.52</u>	<u>SV</u>	<u>MA</u>	<u>6L</u>	<u>948</u>	<u>01526</u>	<input checked="" type="checkbox"/>					
<u>-02</u>	<u>AA02-11192020</u>	<u>11/19/2020</u>	<u>0900</u>	<u>1700</u>	<u>-30.36</u>	<u>-5.21</u>	<u>AA</u>	<u>MA</u>	<u>6L</u>	<u>229</u>	<u>161667</u>	<input checked="" type="checkbox"/>					
<u>-03</u>	<u>SV09-11192020</u>	<u>11/19/2020</u>	<u>0914</u>	<u>1714</u>	<u>-30.87</u>	<u>-6.14</u>	<u>SV</u>	<u>MA</u>	<u>6L</u>	<u>3125</u>	<u>01062</u>	<input checked="" type="checkbox"/>					
<u>-04</u>	<u>IA09-11192020</u>	<u>11/19/2020</u>	<u>0916</u>	<u>1716</u>	<u>-31.05</u>	<u>-6.78</u>	<u>IA</u>	<u>MA</u>	<u>6L</u>	<u>956</u>	<u>0915</u>	<input checked="" type="checkbox"/>					

**\*SAMPLE MATRIX CODES**

AA = Ambient Air (Indoor/Outdoor)  
 SV = Soil Vapor/Landfill Gas/SVE  
 Other = Please Specify

Container Type

Relinquished By: [Signature] Date/Time: 11/19/2020 1730  
 Received By: [Signature] Date/Time: 11/19/2020 1735

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

JOB: L2051747      REPORT STYLE: Data Usability Report  
0010: Alpha Analytical Report Cover Page - OK  
0015: Sample Cross Reference Summary - OK  
0060: Case Narrative - OK  
0100: Volatiles Cover Page - OK  
0110: Volatiles Sample Results - OK  
0120: Volatiles Method Blank Report - OK  
0130: Volatiles LCS Report - OK  
0150: Volatiles Matrix Spike Report - OK  
0180: Semivolatiles Cover Page - OK  
0190: Semivolatiles Sample Results - OK  
0200: Semivolatiles Method Blank Report - OK  
0210: Semivolatiles LCS Report - OK  
0230: Semivolatiles Matrix Spike Report - OK  
0700: PCBs Cover Page - OK  
0710: PCBs Sample Results - OK  
0720: PCBs Method Blank Report - OK  
0730: PCBs LCS Report - OK  
0750: PCBs Matrix Spike Report - OK  
0900: Pesticides Cover Page - OK  
0910: Pesticides Sample Results - OK  
0920: Pesticides Method Blank Report - OK  
0930: Pesticides LCS Report - OK  
0950: Pesticides Matrix Spike Report - OK  
1005: Metals Sample Results - OK  
1010: Metals Method Blank Report - OK  
1020: Metals LCS Report - OK  
1040: Metals Matrix Spike Report - OK  
1180: Inorganics Cover Page - OK  
1200: Wet Chemistry Sample Results - OK  
1210: Wet Chemistry Method Blank Report - OK  
1220: Wet Chemistry LCS Report - OK  
1240: Wet Chemistry Matrix Spike Report - OK  
1250: Wet Chemistry Duplicate Report - OK  
5100: Sample Receipt & Container Information Report - OK  
5200: Glossary - OK  
5400: References - OK

-----  
No results found for sample L2051747-01 for product A2-NY-537-ISOTOPE  
No results found for sample L2051747-02 for product A2-NY-537-ISOTOPE  
No results found for sample L2051747-03 for product A2-NY-537-ISOTOPE  
No results found for sample L2051747-04 for product A2-NY-537-ISOTOPE  
No results found for sample L2051747-05 for product A2-NY-537-ISOTOPE  
No results found for sample L2051747-06 for product A2-NY-537-ISOTOPE

No results found for sample L2051747-07 for product A2-NY-537-ISOTOPE  
No results found for sample L2051747-08 for product A2-NY-537-ISOTOPE  
No results found for sample L2051747-10 for product A2-NY-537-ISOTOPE





## ANALYTICAL REPORT

Lab Number:	L2051747
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Kimberly Semon
Phone:	(212) 479-5486
Project Name:	266-270 W. 96TH STREET
Project Number:	170432001
Report Date:	11/29/20

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

---

Eight Walkup Drive, Westborough, MA 01581-1019  
508-898-9220 (Fax) 508-898-9193 800-624-9220 - [www.alphalab.com](http://www.alphalab.com)



Project Name: 266-270 W. 96TH STREET

Project Number: 170432001

Lab Number: L2051747

Report Date: 11/29/20

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2051747-01	SB11_0-2	SOIL	NEW YORK, NEW YORK	11/19/20 10:45	11/19/20
L2051747-02	SB11_4-5	SOIL	NEW YORK, NEW YORK	11/19/20 11:05	11/19/20
L2051747-03	SB11_5-6	SOIL	NEW YORK, NEW YORK	11/19/20 11:30	11/19/20
L2051747-04	SB10_0-2	SOIL	NEW YORK, NEW YORK	11/19/20 12:30	11/19/20
L2051747-05	SB10_3.5-5	SOIL	NEW YORK, NEW YORK	11/19/20 12:40	11/19/20
L2051747-06	SB09_0-2	SOIL	NEW YORK, NEW YORK	11/19/20 14:00	11/19/20
L2051747-07	SB09_4-6	SOIL	NEW YORK, NEW YORK	11/19/20 14:15	11/19/20
L2051747-08	DUP02_11192020	SOIL	NEW YORK, NEW YORK	11/19/20 00:00	11/19/20
L2051747-09	SBTB05_11192020	TRIP BLANK (AQUEOUS)	NEW YORK, NEW YORK	11/19/20 00:00	11/19/20
L2051747-10	SBEB04_11192020	EQUIPMENT BLANK	NEW YORK, NEW YORK	11/19/20 10:40	11/19/20

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051747  
**Report Date:** 11/29/20

### Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

**HOLD POLICY** - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

---

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051747  
**Report Date:** 11/29/20

### Case Narrative (continued)

#### Report Submission

November 29, 2020: This is a preliminary report.

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

#### Total Metals

L2051747-01 through -08: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.

The WG1438100-1 Method Blank, associated with L2051747-01 through -08, has a concentration above the reporting limit for manganese. Since the associated sample concentrations are greater than 10x the blank concentration for this analyte, no corrective action is required.

The WG1438100-3/-4 MS/MSD recoveries for aluminum (313%/431%), iron (336%/690%), and manganese (132%/152%), performed on L2051747-01, do not apply because the sample concentrations are greater than four times the spike amounts added.

The WG1438100-7/-8 MS/MSD recoveries for aluminum (351%/278%), iron (792%/566%), and manganese (213%/11%), performed on L2051747-05, do not apply because the sample concentrations are greater than four times the spike amounts added.

The WG1438100-7/-8 MS/MSD recoveries, performed on L2051747-05, are outside the acceptance criteria for calcium (0%/17%) and lead (MSD at 69%). A post digestion spike was performed and was within acceptance criteria.

The WG1438103-5/-6 MS/MSD recoveries, performed on L2051747-05, are outside the acceptance criteria for mercury (141%/141%). A post digestion spike was performed and was within acceptance criteria.

#### Cyanide, Total

The WG1436725-2/-3 LCS/LCSD recoveries for cyanide, total (66%/63%), associated with L2051747-01 through -04, -06, -07, and -08, are outside our in-house acceptance criteria, but within the vendor-certified

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051747  
**Report Date:** 11/29/20

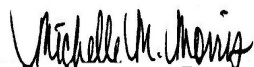
**Case Narrative (continued)**

acceptance limits. The results of the original analyses are reported.

The WG1436727-2/-3 LCS/LCSD recoveries for cyanide, total (66%/63%), associated with L2051747-05, are outside our in-house acceptance criteria, but within the vendor-certified acceptance limits. The results of the original analyses are reported.

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. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:



Michelle M. Morris

Title: Technical Director/Representative

Date: 11/29/20

# ORGANICS

# VOLATILES

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051747  
**Report Date:** 11/29/20

**SAMPLE RESULTS**

**Lab ID:** L2051747-01  
**Client ID:** SB11\_0-2  
**Sample Location:** NEW YORK, NEW YORK

**Date Collected:** 11/19/20 10:45  
**Date Received:** 11/19/20  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8260C  
**Analytical Date:** 11/24/20 19:25  
**Analyst:** MV  
**Percent Solids:** 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by EPA 5035 Low - Westborough Lab</b>						
Methylene chloride	ND		ug/kg	7.0	3.2	1
1,1-Dichloroethane	ND		ug/kg	1.4	0.20	1
Chloroform	ND		ug/kg	2.1	0.20	1
Carbon tetrachloride	ND		ug/kg	1.4	0.32	1
1,2-Dichloropropane	ND		ug/kg	1.4	0.18	1
Dibromochloromethane	ND		ug/kg	1.4	0.20	1
1,1,2-Trichloroethane	ND		ug/kg	1.4	0.37	1
Tetrachloroethene	ND		ug/kg	0.70	0.28	1
Chlorobenzene	ND		ug/kg	0.70	0.18	1
Trichlorofluoromethane	ND		ug/kg	5.6	0.98	1
1,2-Dichloroethane	ND		ug/kg	1.4	0.36	1
1,1,1-Trichloroethane	ND		ug/kg	0.70	0.23	1
Bromodichloromethane	ND		ug/kg	0.70	0.15	1
trans-1,3-Dichloropropene	ND		ug/kg	1.4	0.38	1
cis-1,3-Dichloropropene	ND		ug/kg	0.70	0.22	1
1,3-Dichloropropene, Total	ND		ug/kg	0.70	0.22	1
1,1-Dichloropropene	ND		ug/kg	0.70	0.22	1
Bromoform	ND		ug/kg	5.6	0.34	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.70	0.23	1
Benzene	ND		ug/kg	0.70	0.23	1
Toluene	ND		ug/kg	1.4	0.76	1
Ethylbenzene	ND		ug/kg	1.4	0.20	1
Chloromethane	ND		ug/kg	5.6	1.3	1
Bromomethane	ND		ug/kg	2.8	0.82	1
Vinyl chloride	ND		ug/kg	1.4	0.47	1
Chloroethane	ND		ug/kg	2.8	0.63	1
1,1-Dichloroethene	ND		ug/kg	1.4	0.33	1
trans-1,2-Dichloroethene	ND		ug/kg	2.1	0.19	1



**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051747  
**Report Date:** 11/29/20

**SAMPLE RESULTS**

**Lab ID:** L2051747-01  
**Client ID:** SB11\_0-2  
**Sample Location:** NEW YORK, NEW YORK

**Date Collected:** 11/19/20 10:45  
**Date Received:** 11/19/20  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.70	0.19	1
1,2-Dichlorobenzene	ND		ug/kg	2.8	0.20	1
1,3-Dichlorobenzene	ND		ug/kg	2.8	0.21	1
1,4-Dichlorobenzene	ND		ug/kg	2.8	0.24	1
Methyl tert butyl ether	ND		ug/kg	2.8	0.28	1
p/m-Xylene	ND		ug/kg	2.8	0.78	1
o-Xylene	ND		ug/kg	1.4	0.41	1
Xylenes, Total	ND		ug/kg	1.4	0.41	1
cis-1,2-Dichloroethene	ND		ug/kg	1.4	0.24	1
1,2-Dichloroethene, Total	ND		ug/kg	1.4	0.19	1
Dibromomethane	ND		ug/kg	2.8	0.33	1
Styrene	ND		ug/kg	1.4	0.28	1
Dichlorodifluoromethane	ND		ug/kg	14	1.3	1
Acetone	ND		ug/kg	14	6.8	1
Carbon disulfide	ND		ug/kg	14	6.4	1
2-Butanone	ND		ug/kg	14	3.1	1
Vinyl acetate	ND		ug/kg	14	3.0	1
4-Methyl-2-pentanone	ND		ug/kg	14	1.8	1
1,2,3-Trichloropropane	ND		ug/kg	2.8	0.18	1
2-Hexanone	ND		ug/kg	14	1.6	1
Bromochloromethane	ND		ug/kg	2.8	0.29	1
2,2-Dichloropropane	ND		ug/kg	2.8	0.28	1
1,2-Dibromoethane	ND		ug/kg	1.4	0.39	1
1,3-Dichloropropane	ND		ug/kg	2.8	0.23	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.70	0.18	1
Bromobenzene	ND		ug/kg	2.8	0.20	1
n-Butylbenzene	ND		ug/kg	1.4	0.23	1
sec-Butylbenzene	ND		ug/kg	1.4	0.20	1
tert-Butylbenzene	ND		ug/kg	2.8	0.16	1
o-Chlorotoluene	ND		ug/kg	2.8	0.27	1
p-Chlorotoluene	ND		ug/kg	2.8	0.15	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.2	1.4	1
Hexachlorobutadiene	ND		ug/kg	5.6	0.24	1
Isopropylbenzene	ND		ug/kg	1.4	0.15	1
p-Isopropyltoluene	ND		ug/kg	1.4	0.15	1
Naphthalene	ND		ug/kg	5.6	0.91	1
Acrylonitrile	ND		ug/kg	5.6	1.6	1

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051747  
**Report Date:** 11/29/20

**SAMPLE RESULTS**

**Lab ID:** L2051747-01  
**Client ID:** SB11\_0-2  
**Sample Location:** NEW YORK, NEW YORK

**Date Collected:** 11/19/20 10:45  
**Date Received:** 11/19/20  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.4	0.24	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.8	0.45	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.8	0.38	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.8	0.27	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.8	0.47	1
1,4-Dioxane	ND		ug/kg	110	49.	1
p-Diethylbenzene	ND		ug/kg	2.8	0.25	1
p-Ethyltoluene	ND		ug/kg	2.8	0.54	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.8	0.27	1
Ethyl ether	ND		ug/kg	2.8	0.48	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	7.0	2.0	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	95		70-130

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051747  
**Report Date:** 11/29/20

**SAMPLE RESULTS**

**Lab ID:** L2051747-02  
**Client ID:** SB11\_4-5  
**Sample Location:** NEW YORK, NEW YORK

**Date Collected:** 11/19/20 11:05  
**Date Received:** 11/19/20  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8260C  
**Analytical Date:** 11/24/20 11:46  
**Analyst:** MV  
**Percent Solids:** 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by EPA 5035 Low - Westborough Lab</b>						
Methylene chloride	ND		ug/kg	5.4	2.5	1
1,1-Dichloroethane	ND		ug/kg	1.1	0.16	1
Chloroform	ND		ug/kg	1.6	0.15	1
Carbon tetrachloride	ND		ug/kg	1.1	0.25	1
1,2-Dichloropropane	ND		ug/kg	1.1	0.13	1
Dibromochloromethane	ND		ug/kg	1.1	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.29	1
Tetrachloroethene	2.3		ug/kg	0.54	0.21	1
Chlorobenzene	ND		ug/kg	0.54	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.3	0.75	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.28	1
1,1,1-Trichloroethane	ND		ug/kg	0.54	0.18	1
Bromodichloromethane	ND		ug/kg	0.54	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.29	1
cis-1,3-Dichloropropene	ND		ug/kg	0.54	0.17	1
1,3-Dichloropropene, Total	ND		ug/kg	0.54	0.17	1
1,1-Dichloropropene	ND		ug/kg	0.54	0.17	1
Bromoform	ND		ug/kg	4.3	0.26	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.54	0.18	1
Benzene	ND		ug/kg	0.54	0.18	1
Toluene	ND		ug/kg	1.1	0.58	1
Ethylbenzene	ND		ug/kg	1.1	0.15	1
Chloromethane	ND		ug/kg	4.3	1.0	1
Bromomethane	ND		ug/kg	2.2	0.63	1
Vinyl chloride	ND		ug/kg	1.1	0.36	1
Chloroethane	ND		ug/kg	2.2	0.49	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.26	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.15	1

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051747  
**Report Date:** 11/29/20

**SAMPLE RESULTS**

**Lab ID:** L2051747-02  
**Client ID:** SB11\_4-5  
**Sample Location:** NEW YORK, NEW YORK

**Date Collected:** 11/19/20 11:05  
**Date Received:** 11/19/20  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.54	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,3-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	2.2	0.18	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.22	1
p/m-Xylene	ND		ug/kg	2.2	0.60	1
o-Xylene	ND		ug/kg	1.1	0.31	1
Xylenes, Total	ND		ug/kg	1.1	0.31	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.19	1
1,2-Dichloroethene, Total	ND		ug/kg	1.1	0.15	1
Dibromomethane	ND		ug/kg	2.2	0.26	1
Styrene	ND		ug/kg	1.1	0.21	1
Dichlorodifluoromethane	ND		ug/kg	11	0.99	1
Acetone	ND		ug/kg	11	5.2	1
Carbon disulfide	ND		ug/kg	11	4.9	1
2-Butanone	ND		ug/kg	11	2.4	1
Vinyl acetate	ND		ug/kg	11	2.3	1
4-Methyl-2-pentanone	ND		ug/kg	11	1.4	1
1,2,3-Trichloropropane	ND		ug/kg	2.2	0.14	1
2-Hexanone	ND		ug/kg	11	1.3	1
Bromochloromethane	ND		ug/kg	2.2	0.22	1
2,2-Dichloropropane	ND		ug/kg	2.2	0.22	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.30	1
1,3-Dichloropropane	ND		ug/kg	2.2	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.54	0.14	1
Bromobenzene	ND		ug/kg	2.2	0.16	1
n-Butylbenzene	ND		ug/kg	1.1	0.18	1
sec-Butylbenzene	ND		ug/kg	1.1	0.16	1
tert-Butylbenzene	ND		ug/kg	2.2	0.13	1
o-Chlorotoluene	ND		ug/kg	2.2	0.21	1
p-Chlorotoluene	ND		ug/kg	2.2	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.2	1.1	1
Hexachlorobutadiene	ND		ug/kg	4.3	0.18	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.12	1
Naphthalene	ND		ug/kg	4.3	0.70	1
Acrylonitrile	ND		ug/kg	4.3	1.2	1

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051747  
**Report Date:** 11/29/20

**SAMPLE RESULTS**

**Lab ID:** L2051747-02  
**Client ID:** SB11\_4-5  
**Sample Location:** NEW YORK, NEW YORK

**Date Collected:** 11/19/20 11:05  
**Date Received:** 11/19/20  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.1	0.18	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.2	0.35	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.2	0.29	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.2	0.21	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.2	0.36	1
1,4-Dioxane	ND		ug/kg	86	38.	1
p-Diethylbenzene	ND		ug/kg	2.2	0.19	1
p-Ethyltoluene	ND		ug/kg	2.2	0.41	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.2	0.21	1
Ethyl ether	ND		ug/kg	2.2	0.37	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.4	1.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	92		70-130

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051747  
**Report Date:** 11/29/20

**SAMPLE RESULTS**

**Lab ID:** L2051747-03  
**Client ID:** SB11\_5-6  
**Sample Location:** NEW YORK, NEW YORK

**Date Collected:** 11/19/20 11:30  
**Date Received:** 11/19/20  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8260C  
**Analytical Date:** 11/24/20 01:24  
**Analyst:** JC  
**Percent Solids:** 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by EPA 5035 Low - Westborough Lab</b>						
Methylene chloride	ND		ug/kg	4.4	2.0	1
1,1-Dichloroethane	ND		ug/kg	0.89	0.13	1
Chloroform	ND		ug/kg	1.3	0.12	1
Carbon tetrachloride	ND		ug/kg	0.89	0.20	1
1,2-Dichloropropane	ND		ug/kg	0.89	0.11	1
Dibromochloromethane	ND		ug/kg	0.89	0.12	1
1,1,2-Trichloroethane	ND		ug/kg	0.89	0.24	1
Tetrachloroethene	ND		ug/kg	0.44	0.17	1
Chlorobenzene	ND		ug/kg	0.44	0.11	1
Trichlorofluoromethane	ND		ug/kg	3.6	0.62	1
1,2-Dichloroethane	ND		ug/kg	0.89	0.23	1
1,1,1-Trichloroethane	ND		ug/kg	0.44	0.15	1
Bromodichloromethane	ND		ug/kg	0.44	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.89	0.24	1
cis-1,3-Dichloropropene	ND		ug/kg	0.44	0.14	1
1,3-Dichloropropene, Total	ND		ug/kg	0.44	0.14	1
1,1-Dichloropropene	ND		ug/kg	0.44	0.14	1
Bromoform	ND		ug/kg	3.6	0.22	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.44	0.15	1
Benzene	ND		ug/kg	0.44	0.15	1
Toluene	ND		ug/kg	0.89	0.48	1
Ethylbenzene	ND		ug/kg	0.89	0.12	1
Chloromethane	ND		ug/kg	3.6	0.83	1
Bromomethane	ND		ug/kg	1.8	0.52	1
Vinyl chloride	ND		ug/kg	0.89	0.30	1
Chloroethane	ND		ug/kg	1.8	0.40	1
1,1-Dichloroethene	ND		ug/kg	0.89	0.21	1
trans-1,2-Dichloroethene	ND		ug/kg	1.3	0.12	1

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051747  
**Report Date:** 11/29/20

**SAMPLE RESULTS**

**Lab ID:** L2051747-03  
**Client ID:** SB11\_5-6  
**Sample Location:** NEW YORK, NEW YORK

**Date Collected:** 11/19/20 11:30  
**Date Received:** 11/19/20  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.44	0.12	1
1,2-Dichlorobenzene	ND		ug/kg	1.8	0.13	1
1,3-Dichlorobenzene	ND		ug/kg	1.8	0.13	1
1,4-Dichlorobenzene	ND		ug/kg	1.8	0.15	1
Methyl tert butyl ether	ND		ug/kg	1.8	0.18	1
p/m-Xylene	ND		ug/kg	1.8	0.50	1
o-Xylene	ND		ug/kg	0.89	0.26	1
Xylenes, Total	ND		ug/kg	0.89	0.26	1
cis-1,2-Dichloroethene	ND		ug/kg	0.89	0.16	1
1,2-Dichloroethene, Total	ND		ug/kg	0.89	0.12	1
Dibromomethane	ND		ug/kg	1.8	0.21	1
Styrene	ND		ug/kg	0.89	0.17	1
Dichlorodifluoromethane	ND		ug/kg	8.9	0.81	1
Acetone	ND		ug/kg	8.9	4.3	1
Carbon disulfide	ND		ug/kg	8.9	4.0	1
2-Butanone	ND		ug/kg	8.9	2.0	1
Vinyl acetate	ND		ug/kg	8.9	1.9	1
4-Methyl-2-pentanone	ND		ug/kg	8.9	1.1	1
1,2,3-Trichloropropane	ND		ug/kg	1.8	0.11	1
2-Hexanone	ND		ug/kg	8.9	1.0	1
Bromochloromethane	ND		ug/kg	1.8	0.18	1
2,2-Dichloropropane	ND		ug/kg	1.8	0.18	1
1,2-Dibromoethane	ND		ug/kg	0.89	0.25	1
1,3-Dichloropropane	ND		ug/kg	1.8	0.15	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.44	0.12	1
Bromobenzene	ND		ug/kg	1.8	0.13	1
n-Butylbenzene	ND		ug/kg	0.89	0.15	1
sec-Butylbenzene	ND		ug/kg	0.89	0.13	1
tert-Butylbenzene	ND		ug/kg	1.8	0.10	1
o-Chlorotoluene	ND		ug/kg	1.8	0.17	1
p-Chlorotoluene	ND		ug/kg	1.8	0.10	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.7	0.89	1
Hexachlorobutadiene	ND		ug/kg	3.6	0.15	1
Isopropylbenzene	ND		ug/kg	0.89	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.89	0.10	1
Naphthalene	ND		ug/kg	3.6	0.58	1
Acrylonitrile	ND		ug/kg	3.6	1.0	1

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051747  
**Report Date:** 11/29/20

**SAMPLE RESULTS**

**Lab ID:** L2051747-03  
**Client ID:** SB11\_5-6  
**Sample Location:** NEW YORK, NEW YORK

**Date Collected:** 11/19/20 11:30  
**Date Received:** 11/19/20  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	0.89	0.15	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.8	0.29	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.8	0.24	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.8	0.17	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.8	0.30	1
1,4-Dioxane	ND		ug/kg	71	31.	1
p-Diethylbenzene	ND		ug/kg	1.8	0.16	1
p-Ethyltoluene	ND		ug/kg	1.8	0.34	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	1.8	0.17	1
Ethyl ether	ND		ug/kg	1.8	0.30	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.4	1.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	102		70-130



**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051747  
**Report Date:** 11/29/20

**SAMPLE RESULTS**

**Lab ID:** L2051747-04  
**Client ID:** SB10\_0-2  
**Sample Location:** NEW YORK, NEW YORK

**Date Collected:** 11/19/20 12:30  
**Date Received:** 11/19/20  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8260C  
**Analytical Date:** 11/24/20 01:50  
**Analyst:** JC  
**Percent Solids:** 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by EPA 5035 Low - Westborough Lab</b>						
Methylene chloride	ND		ug/kg	9.8	4.5	1
1,1-Dichloroethane	ND		ug/kg	2.0	0.28	1
Chloroform	ND		ug/kg	2.9	0.27	1
Carbon tetrachloride	ND		ug/kg	2.0	0.45	1
1,2-Dichloropropane	ND		ug/kg	2.0	0.24	1
Dibromochloromethane	ND		ug/kg	2.0	0.27	1
1,1,2-Trichloroethane	ND		ug/kg	2.0	0.52	1
Tetrachloroethene	1.4		ug/kg	0.98	0.38	1
Chlorobenzene	ND		ug/kg	0.98	0.25	1
Trichlorofluoromethane	ND		ug/kg	7.8	1.4	1
1,2-Dichloroethane	ND		ug/kg	2.0	0.50	1
1,1,1-Trichloroethane	ND		ug/kg	0.98	0.33	1
Bromodichloromethane	ND		ug/kg	0.98	0.21	1
trans-1,3-Dichloropropene	ND		ug/kg	2.0	0.53	1
cis-1,3-Dichloropropene	ND		ug/kg	0.98	0.31	1
1,3-Dichloropropene, Total	ND		ug/kg	0.98	0.31	1
1,1-Dichloropropene	ND		ug/kg	0.98	0.31	1
Bromoform	ND		ug/kg	7.8	0.48	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.98	0.32	1
Benzene	ND		ug/kg	0.98	0.32	1
Toluene	ND		ug/kg	2.0	1.1	1
Ethylbenzene	ND		ug/kg	2.0	0.28	1
Chloromethane	ND		ug/kg	7.8	1.8	1
Bromomethane	ND		ug/kg	3.9	1.1	1
Vinyl chloride	ND		ug/kg	2.0	0.65	1
Chloroethane	ND		ug/kg	3.9	0.88	1
1,1-Dichloroethene	ND		ug/kg	2.0	0.46	1
trans-1,2-Dichloroethene	ND		ug/kg	2.9	0.27	1

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051747  
**Report Date:** 11/29/20

**SAMPLE RESULTS**

**Lab ID:** L2051747-04  
**Client ID:** SB10\_0-2  
**Sample Location:** NEW YORK, NEW YORK

**Date Collected:** 11/19/20 12:30  
**Date Received:** 11/19/20  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.98	0.27	1
1,2-Dichlorobenzene	ND		ug/kg	3.9	0.28	1
1,3-Dichlorobenzene	ND		ug/kg	3.9	0.29	1
1,4-Dichlorobenzene	ND		ug/kg	3.9	0.33	1
Methyl tert butyl ether	ND		ug/kg	3.9	0.39	1
p/m-Xylene	ND		ug/kg	3.9	1.1	1
o-Xylene	ND		ug/kg	2.0	0.57	1
Xylenes, Total	ND		ug/kg	2.0	0.57	1
cis-1,2-Dichloroethene	ND		ug/kg	2.0	0.34	1
1,2-Dichloroethene, Total	ND		ug/kg	2.0	0.27	1
Dibromomethane	ND		ug/kg	3.9	0.46	1
Styrene	ND		ug/kg	2.0	0.38	1
Dichlorodifluoromethane	ND		ug/kg	20	1.8	1
Acetone	ND		ug/kg	20	9.4	1
Carbon disulfide	ND		ug/kg	20	8.9	1
2-Butanone	ND		ug/kg	20	4.3	1
Vinyl acetate	ND		ug/kg	20	4.2	1
4-Methyl-2-pentanone	ND		ug/kg	20	2.5	1
1,2,3-Trichloropropane	ND		ug/kg	3.9	0.25	1
2-Hexanone	ND		ug/kg	20	2.3	1
Bromochloromethane	ND		ug/kg	3.9	0.40	1
2,2-Dichloropropane	ND		ug/kg	3.9	0.39	1
1,2-Dibromoethane	ND		ug/kg	2.0	0.54	1
1,3-Dichloropropane	ND		ug/kg	3.9	0.33	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.98	0.26	1
Bromobenzene	ND		ug/kg	3.9	0.28	1
n-Butylbenzene	ND		ug/kg	2.0	0.33	1
sec-Butylbenzene	ND		ug/kg	2.0	0.28	1
tert-Butylbenzene	ND		ug/kg	3.9	0.23	1
o-Chlorotoluene	ND		ug/kg	3.9	0.37	1
p-Chlorotoluene	ND		ug/kg	3.9	0.21	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.8	1.9	1
Hexachlorobutadiene	ND		ug/kg	7.8	0.33	1
Isopropylbenzene	ND		ug/kg	2.0	0.21	1
p-Isopropyltoluene	ND		ug/kg	2.0	0.21	1
Naphthalene	ND		ug/kg	7.8	1.3	1
Acrylonitrile	ND		ug/kg	7.8	2.2	1

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051747  
**Report Date:** 11/29/20

**SAMPLE RESULTS**

**Lab ID:** L2051747-04  
**Client ID:** SB10\_0-2  
**Sample Location:** NEW YORK, NEW YORK

**Date Collected:** 11/19/20 12:30  
**Date Received:** 11/19/20  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	2.0	0.33	1
1,2,3-Trichlorobenzene	ND		ug/kg	3.9	0.63	1
1,2,4-Trichlorobenzene	ND		ug/kg	3.9	0.53	1
1,3,5-Trimethylbenzene	ND		ug/kg	3.9	0.38	1
1,2,4-Trimethylbenzene	ND		ug/kg	3.9	0.65	1
1,4-Dioxane	ND		ug/kg	160	68.	1
p-Diethylbenzene	ND		ug/kg	3.9	0.34	1
p-Ethyltoluene	ND		ug/kg	3.9	0.75	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	3.9	0.37	1
Ethyl ether	ND		ug/kg	3.9	0.66	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	9.8	2.8	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	103		70-130

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051747  
**Report Date:** 11/29/20

**SAMPLE RESULTS**

Lab ID: L2051747-05  
 Client ID: SB10\_3.5-5  
 Sample Location: NEW YORK, NEW YORK

Date Collected: 11/19/20 12:40  
 Date Received: 11/19/20  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8260C  
 Analytical Date: 11/24/20 02:16  
 Analyst: JC  
 Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by EPA 5035 Low - Westborough Lab</b>						
Methylene chloride	ND		ug/kg	3.5	1.6	1
1,1-Dichloroethane	ND		ug/kg	0.70	0.10	1
Chloroform	ND		ug/kg	1.0	0.10	1
Carbon tetrachloride	ND		ug/kg	0.70	0.16	1
1,2-Dichloropropane	ND		ug/kg	0.70	0.09	1
Dibromochloromethane	ND		ug/kg	0.70	0.10	1
1,1,2-Trichloroethane	ND		ug/kg	0.70	0.18	1
Tetrachloroethene	0.17	J	ug/kg	0.35	0.14	1
Chlorobenzene	ND		ug/kg	0.35	0.09	1
Trichlorofluoromethane	ND		ug/kg	2.8	0.48	1
1,2-Dichloroethane	ND		ug/kg	0.70	0.18	1
1,1,1-Trichloroethane	ND		ug/kg	0.35	0.12	1
Bromodichloromethane	ND		ug/kg	0.35	0.08	1
trans-1,3-Dichloropropene	ND		ug/kg	0.70	0.19	1
cis-1,3-Dichloropropene	ND		ug/kg	0.35	0.11	1
1,3-Dichloropropene, Total	ND		ug/kg	0.35	0.11	1
1,1-Dichloropropene	ND		ug/kg	0.35	0.11	1
Bromoform	ND		ug/kg	2.8	0.17	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.35	0.12	1
Benzene	ND		ug/kg	0.35	0.12	1
Toluene	ND		ug/kg	0.70	0.38	1
Ethylbenzene	ND		ug/kg	0.70	0.10	1
Chloromethane	ND		ug/kg	2.8	0.65	1
Bromomethane	ND		ug/kg	1.4	0.40	1
Vinyl chloride	ND		ug/kg	0.70	0.23	1
Chloroethane	ND		ug/kg	1.4	0.31	1
1,1-Dichloroethene	ND		ug/kg	0.70	0.16	1
trans-1,2-Dichloroethene	ND		ug/kg	1.0	0.10	1

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051747  
**Report Date:** 11/29/20

**SAMPLE RESULTS**

**Lab ID:** L2051747-05  
**Client ID:** SB10\_3.5-5  
**Sample Location:** NEW YORK, NEW YORK

**Date Collected:** 11/19/20 12:40  
**Date Received:** 11/19/20  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.35	0.10	1
1,2-Dichlorobenzene	ND		ug/kg	1.4	0.10	1
1,3-Dichlorobenzene	ND		ug/kg	1.4	0.10	1
1,4-Dichlorobenzene	ND		ug/kg	1.4	0.12	1
Methyl tert butyl ether	ND		ug/kg	1.4	0.14	1
p/m-Xylene	ND		ug/kg	1.4	0.39	1
o-Xylene	ND		ug/kg	0.70	0.20	1
Xylenes, Total	ND		ug/kg	0.70	0.20	1
cis-1,2-Dichloroethene	ND		ug/kg	0.70	0.12	1
1,2-Dichloroethene, Total	ND		ug/kg	0.70	0.10	1
Dibromomethane	ND		ug/kg	1.4	0.16	1
Styrene	ND		ug/kg	0.70	0.14	1
Dichlorodifluoromethane	ND		ug/kg	7.0	0.64	1
Acetone	ND		ug/kg	7.0	3.3	1
Carbon disulfide	ND		ug/kg	7.0	3.2	1
2-Butanone	ND		ug/kg	7.0	1.5	1
Vinyl acetate	ND		ug/kg	7.0	1.5	1
4-Methyl-2-pentanone	ND		ug/kg	7.0	0.89	1
1,2,3-Trichloropropane	ND		ug/kg	1.4	0.09	1
2-Hexanone	ND		ug/kg	7.0	0.82	1
Bromochloromethane	ND		ug/kg	1.4	0.14	1
2,2-Dichloropropane	ND		ug/kg	1.4	0.14	1
1,2-Dibromoethane	ND		ug/kg	0.70	0.19	1
1,3-Dichloropropane	ND		ug/kg	1.4	0.12	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.35	0.09	1
Bromobenzene	ND		ug/kg	1.4	0.10	1
n-Butylbenzene	ND		ug/kg	0.70	0.12	1
sec-Butylbenzene	ND		ug/kg	0.70	0.10	1
tert-Butylbenzene	ND		ug/kg	1.4	0.08	1
o-Chlorotoluene	ND		ug/kg	1.4	0.13	1
p-Chlorotoluene	ND		ug/kg	1.4	0.08	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.1	0.69	1
Hexachlorobutadiene	ND		ug/kg	2.8	0.12	1
Isopropylbenzene	ND		ug/kg	0.70	0.08	1
p-Isopropyltoluene	ND		ug/kg	0.70	0.08	1
Naphthalene	ND		ug/kg	2.8	0.45	1
Acrylonitrile	ND		ug/kg	2.8	0.80	1

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051747  
**Report Date:** 11/29/20

**SAMPLE RESULTS**

**Lab ID:** L2051747-05  
**Client ID:** SB10\_3.5-5  
**Sample Location:** NEW YORK, NEW YORK

**Date Collected:** 11/19/20 12:40  
**Date Received:** 11/19/20  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	0.70	0.12	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.4	0.22	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.4	0.19	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.4	0.13	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.4	0.23	1
1,4-Dioxane	ND		ug/kg	56	24.	1
p-Diethylbenzene	ND		ug/kg	1.4	0.12	1
p-Ethyltoluene	ND		ug/kg	1.4	0.27	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	1.4	0.13	1
Ethyl ether	ND		ug/kg	1.4	0.24	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	3.5	0.99	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	105		70-130

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051747  
**Report Date:** 11/29/20

**SAMPLE RESULTS**

**Lab ID:** L2051747-06  
**Client ID:** SB09\_0-2  
**Sample Location:** NEW YORK, NEW YORK

**Date Collected:** 11/19/20 14:00  
**Date Received:** 11/19/20  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8260C  
**Analytical Date:** 11/24/20 12:11  
**Analyst:** MV  
**Percent Solids:** 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by EPA 5035 Low - Westborough Lab</b>						
Methylene chloride	ND		ug/kg	5.4	2.5	1
1,1-Dichloroethane	ND		ug/kg	1.1	0.16	1
Chloroform	0.77	J	ug/kg	1.6	0.15	1
Carbon tetrachloride	ND		ug/kg	1.1	0.25	1
1,2-Dichloropropane	ND		ug/kg	1.1	0.13	1
Dibromochloromethane	ND		ug/kg	1.1	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.29	1
Tetrachloroethene	ND		ug/kg	0.54	0.21	1
Chlorobenzene	ND		ug/kg	0.54	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.3	0.75	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.28	1
1,1,1-Trichloroethane	ND		ug/kg	0.54	0.18	1
Bromodichloromethane	ND		ug/kg	0.54	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.29	1
cis-1,3-Dichloropropene	ND		ug/kg	0.54	0.17	1
1,3-Dichloropropene, Total	ND		ug/kg	0.54	0.17	1
1,1-Dichloropropene	ND		ug/kg	0.54	0.17	1
Bromoform	ND		ug/kg	4.3	0.26	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.54	0.18	1
Benzene	ND		ug/kg	0.54	0.18	1
Toluene	ND		ug/kg	1.1	0.59	1
Ethylbenzene	ND		ug/kg	1.1	0.15	1
Chloromethane	ND		ug/kg	4.3	1.0	1
Bromomethane	ND		ug/kg	2.2	0.63	1
Vinyl chloride	ND		ug/kg	1.1	0.36	1
Chloroethane	ND		ug/kg	2.2	0.49	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.26	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.15	1

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051747  
**Report Date:** 11/29/20

**SAMPLE RESULTS**

**Lab ID:** L2051747-06  
**Client ID:** SB09\_0-2  
**Sample Location:** NEW YORK, NEW YORK

**Date Collected:** 11/19/20 14:00  
**Date Received:** 11/19/20  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.54	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,3-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	2.2	0.18	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.22	1
p/m-Xylene	ND		ug/kg	2.2	0.60	1
o-Xylene	ND		ug/kg	1.1	0.31	1
Xylenes, Total	ND		ug/kg	1.1	0.31	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.19	1
1,2-Dichloroethene, Total	ND		ug/kg	1.1	0.15	1
Dibromomethane	ND		ug/kg	2.2	0.26	1
Styrene	ND		ug/kg	1.1	0.21	1
Dichlorodifluoromethane	ND		ug/kg	11	0.99	1
Acetone	16		ug/kg	11	5.2	1
Carbon disulfide	ND		ug/kg	11	4.9	1
2-Butanone	ND		ug/kg	11	2.4	1
Vinyl acetate	ND		ug/kg	11	2.3	1
4-Methyl-2-pentanone	ND		ug/kg	11	1.4	1
1,2,3-Trichloropropane	ND		ug/kg	2.2	0.14	1
2-Hexanone	ND		ug/kg	11	1.3	1
Bromochloromethane	ND		ug/kg	2.2	0.22	1
2,2-Dichloropropane	ND		ug/kg	2.2	0.22	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.30	1
1,3-Dichloropropane	ND		ug/kg	2.2	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.54	0.14	1
Bromobenzene	ND		ug/kg	2.2	0.16	1
n-Butylbenzene	ND		ug/kg	1.1	0.18	1
sec-Butylbenzene	ND		ug/kg	1.1	0.16	1
tert-Butylbenzene	ND		ug/kg	2.2	0.13	1
o-Chlorotoluene	ND		ug/kg	2.2	0.21	1
p-Chlorotoluene	ND		ug/kg	2.2	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.2	1.1	1
Hexachlorobutadiene	ND		ug/kg	4.3	0.18	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.12	1
Naphthalene	ND		ug/kg	4.3	0.70	1
Acrylonitrile	ND		ug/kg	4.3	1.2	1



**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051747  
**Report Date:** 11/29/20

**SAMPLE RESULTS**

**Lab ID:** L2051747-06  
**Client ID:** SB09\_0-2  
**Sample Location:** NEW YORK, NEW YORK

**Date Collected:** 11/19/20 14:00  
**Date Received:** 11/19/20  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.1	0.18	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.2	0.35	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.2	0.29	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.2	0.21	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.2	0.36	1
1,4-Dioxane	ND		ug/kg	86	38.	1
p-Diethylbenzene	ND		ug/kg	2.2	0.19	1
p-Ethyltoluene	ND		ug/kg	2.2	0.41	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.2	0.21	1
Ethyl ether	ND		ug/kg	2.2	0.37	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.4	1.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	91		70-130

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051747  
**Report Date:** 11/29/20

**SAMPLE RESULTS**

**Lab ID:** L2051747-07  
**Client ID:** SB09\_4-6  
**Sample Location:** NEW YORK, NEW YORK

**Date Collected:** 11/19/20 14:15  
**Date Received:** 11/19/20  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8260C  
**Analytical Date:** 11/24/20 12:36  
**Analyst:** KJD  
**Percent Solids:** 82%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by EPA 5035 Low - Westborough Lab</b>						
Methylene chloride	ND		ug/kg	6.0	2.8	1
1,1-Dichloroethane	ND		ug/kg	1.2	0.17	1
Chloroform	ND		ug/kg	1.8	0.17	1
Carbon tetrachloride	ND		ug/kg	1.2	0.28	1
1,2-Dichloropropane	ND		ug/kg	1.2	0.15	1
Dibromochloromethane	ND		ug/kg	1.2	0.17	1
1,1,2-Trichloroethane	ND		ug/kg	1.2	0.32	1
Tetrachloroethene	0.26	J	ug/kg	0.60	0.24	1
Chlorobenzene	ND		ug/kg	0.60	0.15	1
Trichlorofluoromethane	ND		ug/kg	4.8	0.84	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.31	1
1,1,1-Trichloroethane	ND		ug/kg	0.60	0.20	1
Bromodichloromethane	ND		ug/kg	0.60	0.13	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.33	1
cis-1,3-Dichloropropene	ND		ug/kg	0.60	0.19	1
1,3-Dichloropropene, Total	ND		ug/kg	0.60	0.19	1
1,1-Dichloropropene	ND		ug/kg	0.60	0.19	1
Bromoform	ND		ug/kg	4.8	0.30	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.60	0.20	1
Benzene	ND		ug/kg	0.60	0.20	1
Toluene	ND		ug/kg	1.2	0.65	1
Ethylbenzene	ND		ug/kg	1.2	0.17	1
Chloromethane	ND		ug/kg	4.8	1.1	1
Bromomethane	ND		ug/kg	2.4	0.70	1
Vinyl chloride	ND		ug/kg	1.2	0.40	1
Chloroethane	ND		ug/kg	2.4	0.54	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.29	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.16	1

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051747  
**Report Date:** 11/29/20

**SAMPLE RESULTS**

**Lab ID:** L2051747-07  
**Client ID:** SB09\_4-6  
**Sample Location:** NEW YORK, NEW YORK

**Date Collected:** 11/19/20 14:15  
**Date Received:** 11/19/20  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatiles Organics by EPA 5035 Low - Westborough Lab</b>						
Trichloroethene	ND		ug/kg	0.60	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	2.4	0.17	1
1,3-Dichlorobenzene	ND		ug/kg	2.4	0.18	1
1,4-Dichlorobenzene	ND		ug/kg	2.4	0.20	1
Methyl tert butyl ether	ND		ug/kg	2.4	0.24	1
p/m-Xylene	ND		ug/kg	2.4	0.67	1
o-Xylene	ND		ug/kg	1.2	0.35	1
Xylenes, Total	ND		ug/kg	1.2	0.35	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.21	1
1,2-Dichloroethene, Total	ND		ug/kg	1.2	0.16	1
Dibromomethane	ND		ug/kg	2.4	0.29	1
Styrene	ND		ug/kg	1.2	0.24	1
Dichlorodifluoromethane	ND		ug/kg	12	1.1	1
Acetone	ND		ug/kg	12	5.8	1
Carbon disulfide	ND		ug/kg	12	5.5	1
2-Butanone	ND		ug/kg	12	2.7	1
Vinyl acetate	ND		ug/kg	12	2.6	1
4-Methyl-2-pentanone	ND		ug/kg	12	1.5	1
1,2,3-Trichloropropane	ND		ug/kg	2.4	0.15	1
2-Hexanone	ND		ug/kg	12	1.4	1
Bromochloromethane	ND		ug/kg	2.4	0.25	1
2,2-Dichloropropane	ND		ug/kg	2.4	0.24	1
1,2-Dibromoethane	ND		ug/kg	1.2	0.34	1
1,3-Dichloropropane	ND		ug/kg	2.4	0.20	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.60	0.16	1
Bromobenzene	ND		ug/kg	2.4	0.17	1
n-Butylbenzene	ND		ug/kg	1.2	0.20	1
sec-Butylbenzene	ND		ug/kg	1.2	0.18	1
tert-Butylbenzene	ND		ug/kg	2.4	0.14	1
o-Chlorotoluene	ND		ug/kg	2.4	0.23	1
p-Chlorotoluene	ND		ug/kg	2.4	0.13	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.6	1.2	1
Hexachlorobutadiene	ND		ug/kg	4.8	0.20	1
Isopropylbenzene	ND		ug/kg	1.2	0.13	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.13	1
Naphthalene	ND		ug/kg	4.8	0.78	1
Acrylonitrile	ND		ug/kg	4.8	1.4	1

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051747  
**Report Date:** 11/29/20

**SAMPLE RESULTS**

**Lab ID:** L2051747-07  
**Client ID:** SB09\_4-6  
**Sample Location:** NEW YORK, NEW YORK

**Date Collected:** 11/19/20 14:15  
**Date Received:** 11/19/20  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.2	0.20	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.4	0.39	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.4	0.33	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.4	0.23	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.4	0.40	1
1,4-Dioxane	ND		ug/kg	96	42.	1
p-Diethylbenzene	ND		ug/kg	2.4	0.21	1
p-Ethyltoluene	ND		ug/kg	2.4	0.46	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.4	0.23	1
Ethyl ether	ND		ug/kg	2.4	0.41	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.0	1.7	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	90		70-130

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051747  
**Report Date:** 11/29/20

**SAMPLE RESULTS**

Lab ID: L2051747-08  
 Client ID: DUP02\_11192020  
 Sample Location: NEW YORK, NEW YORK

Date Collected: 11/19/20 00:00  
 Date Received: 11/19/20  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8260C  
 Analytical Date: 11/24/20 13:01  
 Analyst: KJD  
 Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by EPA 5035 Low - Westborough Lab</b>						
Methylene chloride	ND		ug/kg	5.8	2.7	1
1,1-Dichloroethane	ND		ug/kg	1.2	0.17	1
Chloroform	0.37	J	ug/kg	1.8	0.16	1
Carbon tetrachloride	ND		ug/kg	1.2	0.27	1
1,2-Dichloropropane	ND		ug/kg	1.2	0.15	1
Dibromochloromethane	ND		ug/kg	1.2	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.2	0.31	1
Tetrachloroethene	ND		ug/kg	0.58	0.23	1
Chlorobenzene	ND		ug/kg	0.58	0.15	1
Trichlorofluoromethane	ND		ug/kg	4.7	0.81	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.30	1
1,1,1-Trichloroethane	ND		ug/kg	0.58	0.20	1
Bromodichloromethane	ND		ug/kg	0.58	0.13	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.32	1
cis-1,3-Dichloropropene	ND		ug/kg	0.58	0.18	1
1,3-Dichloropropene, Total	ND		ug/kg	0.58	0.18	1
1,1-Dichloropropene	ND		ug/kg	0.58	0.18	1
Bromoform	ND		ug/kg	4.7	0.29	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.58	0.19	1
Benzene	ND		ug/kg	0.58	0.19	1
Toluene	ND		ug/kg	1.2	0.63	1
Ethylbenzene	ND		ug/kg	1.2	0.16	1
Chloromethane	ND		ug/kg	4.7	1.1	1
Bromomethane	ND		ug/kg	2.3	0.68	1
Vinyl chloride	ND		ug/kg	1.2	0.39	1
Chloroethane	ND		ug/kg	2.3	0.53	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.28	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.16	1

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051747  
**Report Date:** 11/29/20

**SAMPLE RESULTS**

**Lab ID:** L2051747-08  
**Client ID:** DUP02\_11192020  
**Sample Location:** NEW YORK, NEW YORK

**Date Collected:** 11/19/20 00:00  
**Date Received:** 11/19/20  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatiles Organics by EPA 5035 Low - Westborough Lab</b>						
Trichloroethene	ND		ug/kg	0.58	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	2.3	0.17	1
1,3-Dichlorobenzene	ND		ug/kg	2.3	0.17	1
1,4-Dichlorobenzene	ND		ug/kg	2.3	0.20	1
Methyl tert butyl ether	ND		ug/kg	2.3	0.23	1
p/m-Xylene	ND		ug/kg	2.3	0.65	1
o-Xylene	ND		ug/kg	1.2	0.34	1
Xylenes, Total	ND		ug/kg	1.2	0.34	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.20	1
1,2-Dichloroethene, Total	ND		ug/kg	1.2	0.16	1
Dibromomethane	ND		ug/kg	2.3	0.28	1
Styrene	ND		ug/kg	1.2	0.23	1
Dichlorodifluoromethane	ND		ug/kg	12	1.1	1
Acetone	ND		ug/kg	12	5.6	1
Carbon disulfide	ND		ug/kg	12	5.3	1
2-Butanone	ND		ug/kg	12	2.6	1
Vinyl acetate	ND		ug/kg	12	2.5	1
4-Methyl-2-pentanone	ND		ug/kg	12	1.5	1
1,2,3-Trichloropropane	ND		ug/kg	2.3	0.15	1
2-Hexanone	ND		ug/kg	12	1.4	1
Bromochloromethane	ND		ug/kg	2.3	0.24	1
2,2-Dichloropropane	ND		ug/kg	2.3	0.24	1
1,2-Dibromoethane	ND		ug/kg	1.2	0.32	1
1,3-Dichloropropane	ND		ug/kg	2.3	0.20	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.58	0.15	1
Bromobenzene	ND		ug/kg	2.3	0.17	1
n-Butylbenzene	ND		ug/kg	1.2	0.20	1
sec-Butylbenzene	ND		ug/kg	1.2	0.17	1
tert-Butylbenzene	ND		ug/kg	2.3	0.14	1
o-Chlorotoluene	ND		ug/kg	2.3	0.22	1
p-Chlorotoluene	ND		ug/kg	2.3	0.13	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.5	1.2	1
Hexachlorobutadiene	ND		ug/kg	4.7	0.20	1
Isopropylbenzene	ND		ug/kg	1.2	0.13	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.13	1
Naphthalene	ND		ug/kg	4.7	0.76	1
Acrylonitrile	ND		ug/kg	4.7	1.3	1

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051747  
**Report Date:** 11/29/20

**SAMPLE RESULTS**

**Lab ID:** L2051747-08  
**Client ID:** DUP02\_11192020  
**Sample Location:** NEW YORK, NEW YORK

**Date Collected:** 11/19/20 00:00  
**Date Received:** 11/19/20  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.2	0.20	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.3	0.38	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.3	0.32	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.3	0.22	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.3	0.39	1
1,4-Dioxane	ND		ug/kg	93	41.	1
p-Diethylbenzene	ND		ug/kg	2.3	0.21	1
p-Ethyltoluene	ND		ug/kg	2.3	0.45	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.3	0.22	1
Ethyl ether	ND		ug/kg	2.3	0.40	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.8	1.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	90		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	89		70-130

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051747  
**Report Date:** 11/29/20

**SAMPLE RESULTS**

**Lab ID:** L2051747-09  
**Client ID:** SBTB05\_11192020  
**Sample Location:** NEW YORK, NEW YORK

**Date Collected:** 11/19/20 00:00  
**Date Received:** 11/19/20  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Trip Blank (Aqueous)  
**Analytical Method:** 1,8260C  
**Analytical Date:** 11/23/20 09:54  
**Analyst:** AJK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1



**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051747  
**Report Date:** 11/29/20

**SAMPLE RESULTS**

**Lab ID:** L2051747-09  
**Client ID:** SBTB05\_11192020  
**Sample Location:** NEW YORK, NEW YORK

**Date Collected:** 11/19/20 00:00  
**Date Received:** 11/19/20  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	2.4	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051747  
**Report Date:** 11/29/20

**SAMPLE RESULTS**

**Lab ID:** L2051747-09  
**Client ID:** SBTB05\_11192020  
**Sample Location:** NEW YORK, NEW YORK

**Date Collected:** 11/19/20 00:00  
**Date Received:** 11/19/20  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	98		70-130

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051747  
**Report Date:** 11/29/20

**Method Blank Analysis  
 Batch Quality Control**

Analytical Method: 1,8260C  
 Analytical Date: 11/23/20 08:44  
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 09 Batch: WG1437735-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051747  
**Report Date:** 11/29/20

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260C  
Analytical Date: 11/23/20 08:44  
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 09 Batch: WG1437735-5					
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051747  
**Report Date:** 11/29/20

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260C  
Analytical Date: 11/23/20 08:44  
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 09 Batch: WG1437735-5					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	61.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	98		70-130

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051747  
**Report Date:** 11/29/20

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260C  
Analytical Date: 11/24/20 19:00  
Analyst: KJD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01 Batch: WG1437972-12					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
1,1-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	1.5	J	ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051747  
**Report Date:** 11/29/20

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260C  
Analytical Date: 11/24/20 19:00  
Analyst: KJD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01 Batch: WG1437972-12					
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	2.0	0.24
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
o-Chlorotoluene	ND		ug/kg	2.0	0.19

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051747  
**Report Date:** 11/29/20

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 1,8260C  
Analytical Date: 11/24/20 19:00  
Analyst: KJD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01 Batch: WG1437972-12					
p-Chlorotoluene	ND		ug/kg	2.0	0.11
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	ND		ug/kg	4.0	0.17
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
Acrylonitrile	ND		ug/kg	4.0	1.2
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
1,4-Dioxane	ND		ug/kg	80	35.
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	90		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	88		70-130



**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051747  
**Report Date:** 11/29/20

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 1,8260C  
Analytical Date: 11/24/20 07:35  
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02,06-08 Batch: WG1437972-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
1,1-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	0.68	J	ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051747  
**Report Date:** 11/29/20

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260C  
Analytical Date: 11/24/20 07:35  
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02,06-08 Batch: WG1437972-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	2.0	0.24
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
o-Chlorotoluene	ND		ug/kg	2.0	0.19

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051747  
**Report Date:** 11/29/20

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260C  
Analytical Date: 11/24/20 07:35  
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02,06-08 Batch: WG1437972-5					
p-Chlorotoluene	ND		ug/kg	2.0	0.11
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	ND		ug/kg	4.0	0.17
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
Acrylonitrile	ND		ug/kg	4.0	1.2
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
1,4-Dioxane	ND		ug/kg	80	35.
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	89		70-130

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051747  
**Report Date:** 11/29/20

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260C  
Analytical Date: 11/23/20 17:38  
Analyst: KJD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 03-05 Batch: WG1438002-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
1,1-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051747  
**Report Date:** 11/29/20

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260C  
Analytical Date: 11/23/20 17:38  
Analyst: KJD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 03-05 Batch: WG1438002-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	2.0	0.24
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
o-Chlorotoluene	ND		ug/kg	2.0	0.19

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051747  
**Report Date:** 11/29/20

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260C  
Analytical Date: 11/23/20 17:38  
Analyst: KJD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 03-05 Batch: WG1438002-5					
p-Chlorotoluene	ND		ug/kg	2.0	0.11
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	ND		ug/kg	4.0	0.17
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
Acrylonitrile	ND		ug/kg	4.0	1.2
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
1,4-Dioxane	ND		ug/kg	80	35.
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	100		70-130

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 266-270 W. 96TH STREET

Lab Number: L2051747

Project Number: 170432001

Report Date: 11/29/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 09 Batch: WG1437735-3 WG1437735-4								
Methylene chloride	96		99		70-130	3		20
1,1-Dichloroethane	110		110		70-130	0		20
Chloroform	100		100		70-130	0		20
Carbon tetrachloride	100		100		63-132	0		20
1,2-Dichloropropane	110		110		70-130	0		20
Dibromochloromethane	100		100		63-130	0		20
1,1,2-Trichloroethane	110		110		70-130	0		20
Tetrachloroethene	100		110		70-130	10		20
Chlorobenzene	110		110		75-130	0		20
Trichlorofluoromethane	100		100		62-150	0		20
1,2-Dichloroethane	100		110		70-130	10		20
1,1,1-Trichloroethane	100		100		67-130	0		20
Bromodichloromethane	100		100		67-130	0		20
trans-1,3-Dichloropropene	100		100		70-130	0		20
cis-1,3-Dichloropropene	100		100		70-130	0		20
1,1-Dichloropropene	110		110		70-130	0		20
Bromoform	95		99		54-136	4		20
1,1,2,2-Tetrachloroethane	100		110		67-130	10		20
Benzene	110		110		70-130	0		20
Toluene	110		110		70-130	0		20
Ethylbenzene	110		110		70-130	0		20
Chloromethane	110		110		64-130	0		20
Bromomethane	93		87		39-139	7		20

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 266-270 W. 96TH STREET

Lab Number: L2051747

Project Number: 170432001

Report Date: 11/29/20

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 09 Batch: WG1437735-3 WG1437735-4								
Vinyl chloride	110		110		55-140	0		20
Chloroethane	110		110		55-138	0		20
1,1-Dichloroethene	100		110		61-145	10		20
trans-1,2-Dichloroethene	100		110		70-130	10		20
Trichloroethene	100		100		70-130	0		20
1,2-Dichlorobenzene	100		110		70-130	10		20
1,3-Dichlorobenzene	110		110		70-130	0		20
1,4-Dichlorobenzene	110		110		70-130	0		20
Methyl tert butyl ether	100		100		63-130	0		20
p/m-Xylene	110		110		70-130	0		20
o-Xylene	105		110		70-130	5		20
cis-1,2-Dichloroethene	100		110		70-130	10		20
Dibromomethane	100		100		70-130	0		20
1,2,3-Trichloropropane	100		110		64-130	10		20
Acrylonitrile	110		110		70-130	0		20
Styrene	105		110		70-130	5		20
Dichlorodifluoromethane	93		96		36-147	3		20
Acetone	100		100		58-148	0		20
Carbon disulfide	100		100		51-130	0		20
2-Butanone	98		100		63-138	2		20
Vinyl acetate	120		120		70-130	0		20
4-Methyl-2-pentanone	110		110		59-130	0		20
2-Hexanone	100		110		57-130	10		20



## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 266-270 W. 96TH STREET

Lab Number: L2051747

Project Number: 170432001

Report Date: 11/29/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 09 Batch: WG1437735-3 WG1437735-4								
Bromochloromethane	110		110		70-130	0		20
2,2-Dichloropropane	110		110		63-133	0		20
1,2-Dibromoethane	100		100		70-130	0		20
1,3-Dichloropropane	110		110		70-130	0		20
1,1,1,2-Tetrachloroethane	100		100		64-130	0		20
Bromobenzene	100		110		70-130	10		20
n-Butylbenzene	110		110		53-136	0		20
sec-Butylbenzene	110		110		70-130	0		20
tert-Butylbenzene	110		110		70-130	0		20
o-Chlorotoluene	110		110		70-130	0		20
p-Chlorotoluene	110		110		70-130	0		20
1,2-Dibromo-3-chloropropane	91		98		41-144	7		20
Hexachlorobutadiene	100		100		63-130	0		20
Isopropylbenzene	110		110		70-130	0		20
p-Isopropyltoluene	110		110		70-130	0		20
Naphthalene	96		100		70-130	4		20
n-Propylbenzene	110		120		69-130	9		20
1,2,3-Trichlorobenzene	96		100		70-130	4		20
1,2,4-Trichlorobenzene	100		100		70-130	0		20
1,3,5-Trimethylbenzene	110		110		64-130	0		20
1,2,4-Trimethylbenzene	110		110		70-130	0		20
1,4-Dioxane	86		86		56-162	0		20
p-Diethylbenzene	110		110		70-130	0		20

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 266-270 W. 96TH STREET

**Project Number:** 170432001

**Lab Number:** L2051747

**Report Date:** 11/29/20

Parameter	LCS		LCSD		%Recovery Limits	RPD	RPD	
	%Recovery	Qual	%Recovery	Qual			Qual	Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 09 Batch: WG1437735-3 WG1437735-4								
p-Ethyltoluene	110		110		70-130	0		20
1,2,4,5-Tetramethylbenzene	110		110		70-130	0		20
Ethyl ether	100		100		59-134	0		20
trans-1,4-Dichloro-2-butene	100		100		70-130	0		20

Surrogate	LCS		LCSD		Acceptance Criteria
	%Recovery	Qual	%Recovery	Qual	
1,2-Dichloroethane-d4	102		103		70-130
Toluene-d8	103		103		70-130
4-Bromofluorobenzene	105		105		70-130
Dibromofluoromethane	99		99		70-130

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 266-270 W. 96TH STREET

Lab Number: L2051747

Project Number: 170432001

Report Date: 11/29/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01 Batch: WG1437972-10 WG1437972-11								
Methylene chloride	96		97		70-130	1		30
1,1-Dichloroethane	103		103		70-130	0		30
Chloroform	98		98		70-130	0		30
Carbon tetrachloride	96		94		70-130	2		30
1,2-Dichloropropane	106		106		70-130	0		30
Dibromochloromethane	99		104		70-130	5		30
1,1,2-Trichloroethane	99		103		70-130	4		30
Tetrachloroethene	104		105		70-130	1		30
Chlorobenzene	100		102		70-130	2		30
Trichlorofluoromethane	101		100		70-139	1		30
1,2-Dichloroethane	92		93		70-130	1		30
1,1,1-Trichloroethane	96		95		70-130	1		30
Bromodichloromethane	94		95		70-130	1		30
trans-1,3-Dichloropropene	97		100		70-130	3		30
cis-1,3-Dichloropropene	102		103		70-130	1		30
1,1-Dichloropropene	103		102		70-130	1		30
Bromoform	98		98		70-130	0		30
1,1,2,2-Tetrachloroethane	97		97		70-130	0		30
Benzene	104		104		70-130	0		30
Toluene	100		102		70-130	2		30
Ethylbenzene	98		99		70-130	1		30
Chloromethane	130		128		52-130	2		30
Bromomethane	109		105		57-147	4		30

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 266-270 W. 96TH STREET

Lab Number: L2051747

Project Number: 170432001

Report Date: 11/29/20

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01 Batch: WG1437972-10 WG1437972-11								
Vinyl chloride	124		123		67-130	1		30
Chloroethane	102		103		50-151	1		30
1,1-Dichloroethene	107		107		65-135	0		30
trans-1,2-Dichloroethene	103		104		70-130	1		30
Trichloroethene	102		102		70-130	0		30
1,2-Dichlorobenzene	97		98		70-130	1		30
1,3-Dichlorobenzene	100		98		70-130	2		30
1,4-Dichlorobenzene	101		99		70-130	2		30
Methyl tert butyl ether	98		99		66-130	1		30
p/m-Xylene	100		103		70-130	3		30
o-Xylene	99		101		70-130	2		30
cis-1,2-Dichloroethene	101		101		70-130	0		30
Dibromomethane	95		96		70-130	1		30
Styrene	98		101		70-130	3		30
Dichlorodifluoromethane	125		123		30-146	2		30
Acetone	100		98		54-140	2		30
Carbon disulfide	104		102		59-130	2		30
2-Butanone	106		103		70-130	3		30
Vinyl acetate	102		99		70-130	3		30
4-Methyl-2-pentanone	98		101		70-130	3		30
1,2,3-Trichloropropane	95		95		68-130	0		30
2-Hexanone	97		100		70-130	3		30
Bromochloromethane	102		102		70-130	0		30

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 266-270 W. 96TH STREET

Lab Number: L2051747

Project Number: 170432001

Report Date: 11/29/20

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01 Batch: WG1437972-10 WG1437972-11								
2,2-Dichloropropane	97		96		70-130	1		30
1,2-Dibromoethane	99		102		70-130	3		30
1,3-Dichloropropane	98		102		69-130	4		30
1,1,1,2-Tetrachloroethane	99		103		70-130	4		30
Bromobenzene	100		100		70-130	0		30
n-Butylbenzene	98		97		70-130	1		30
sec-Butylbenzene	98		97		70-130	1		30
tert-Butylbenzene	98		97		70-130	1		30
o-Chlorotoluene	97		96		70-130	1		30
p-Chlorotoluene	98		97		70-130	1		30
1,2-Dibromo-3-chloropropane	97		94		68-130	3		30
Hexachlorobutadiene	96		96		67-130	0		30
Isopropylbenzene	100		98		70-130	2		30
p-Isopropyltoluene	99		98		70-130	1		30
Naphthalene	98		98		70-130	0		30
Acrylonitrile	116		115		70-130	1		30
n-Propylbenzene	100		98		70-130	2		30
1,2,3-Trichlorobenzene	100		97		70-130	3		30
1,2,4-Trichlorobenzene	104		103		70-130	1		30
1,3,5-Trimethylbenzene	97		97		70-130	0		30
1,2,4-Trimethylbenzene	99		97		70-130	2		30
1,4-Dioxane	134		98		65-136	31	Q	30
p-Diethylbenzene	100		99		70-130	1		30

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 266-270 W. 96TH STREET

**Project Number:** 170432001

**Lab Number:** L2051747

**Report Date:** 11/29/20

<b>Parameter</b>	<b>LCS %Recovery</b>	<b>Qual</b>	<b>LCSD %Recovery</b>	<b>Qual</b>	<b>%Recovery Limits</b>	<b>RPD</b>	<b>Qual</b>	<b>RPD Limits</b>
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01 Batch: WG1437972-10 WG1437972-11								
p-Ethyltoluene	101		100		70-130	1		30
1,2,4,5-Tetramethylbenzene	96		98		70-130	2		30
Ethyl ether	109		110		67-130	1		30
trans-1,4-Dichloro-2-butene	99		100		70-130	1		30

<b>Surrogate</b>	<b>LCS %Recovery</b>	<b>Qual</b>	<b>LCSD %Recovery</b>	<b>Qual</b>	<b>Acceptance Criteria</b>
1,2-Dichloroethane-d4	89		88		70-130
Toluene-d8	97		99		70-130
4-Bromofluorobenzene	95		92		70-130
Dibromofluoromethane	91		90		70-130

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 266-270 W. 96TH STREET

Lab Number: L2051747

Project Number: 170432001

Report Date: 11/29/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02,06-08 Batch: WG1437972-3 WG1437972-4								
Methylene chloride	90		82		70-130	9		30
1,1-Dichloroethane	96		89		70-130	8		30
Chloroform	92		84		70-130	9		30
Carbon tetrachloride	93		81		70-130	14		30
1,2-Dichloropropane	97		89		70-130	9		30
Dibromochloromethane	93		88		70-130	6		30
1,1,2-Trichloroethane	92		89		70-130	3		30
Tetrachloroethene	100		88		70-130	13		30
Chlorobenzene	94		87		70-130	8		30
Trichlorofluoromethane	99		86		70-139	14		30
1,2-Dichloroethane	85		80		70-130	6		30
1,1,1-Trichloroethane	93		82		70-130	13		30
Bromodichloromethane	87		81		70-130	7		30
trans-1,3-Dichloropropene	92		86		70-130	7		30
cis-1,3-Dichloropropene	95		86		70-130	10		30
1,1-Dichloropropene	99		86		70-130	14		30
Bromoform	95		89		70-130	7		30
1,1,2,2-Tetrachloroethane	95		89		70-130	7		30
Benzene	99		88		70-130	12		30
Toluene	95		87		70-130	9		30
Ethylbenzene	94		85		70-130	10		30
Chloromethane	131	Q	113		52-130	15		30
Bromomethane	105		94		57-147	11		30

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 266-270 W. 96TH STREET

Lab Number: L2051747

Project Number: 170432001

Report Date: 11/29/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02,06-08 Batch: WG1437972-3 WG1437972-4								
Vinyl chloride	127		107		67-130	17		30
Chloroethane	102		88		50-151	15		30
1,1-Dichloroethene	106		91		65-135	15		30
trans-1,2-Dichloroethene	100		88		70-130	13		30
Trichloroethene	98		84		70-130	15		30
1,2-Dichlorobenzene	92		86		70-130	7		30
1,3-Dichlorobenzene	94		88		70-130	7		30
1,4-Dichlorobenzene	94		87		70-130	8		30
Methyl tert butyl ether	90		85		66-130	6		30
p/m-Xylene	96		87		70-130	10		30
o-Xylene	93		85		70-130	9		30
cis-1,2-Dichloroethene	96		86		70-130	11		30
Dibromomethane	89		82		70-130	8		30
Styrene	91		86		70-130	6		30
Dichlorodifluoromethane	118		102		30-146	15		30
Acetone	86		79		54-140	8		30
Carbon disulfide	103		87		59-130	17		30
2-Butanone	94		86		70-130	9		30
Vinyl acetate	98		92		70-130	6		30
4-Methyl-2-pentanone	91		88		70-130	3		30
1,2,3-Trichloropropane	93		86		68-130	8		30
2-Hexanone	90		86		70-130	5		30
Bromochloromethane	94		88		70-130	7		30



## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 266-270 W. 96TH STREET

Lab Number: L2051747

Project Number: 170432001

Report Date: 11/29/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02,06-08 Batch: WG1437972-3 WG1437972-4								
2,2-Dichloropropane	95		82		70-130	15		30
1,2-Dibromoethane	92		89		70-130	3		30
1,3-Dichloropropane	92		88		69-130	4		30
1,1,1,2-Tetrachloroethane	95		87		70-130	9		30
Bromobenzene	94		87		70-130	8		30
n-Butylbenzene	94		84		70-130	11		30
sec-Butylbenzene	95		84		70-130	12		30
tert-Butylbenzene	95		85		70-130	11		30
o-Chlorotoluene	94		85		70-130	10		30
p-Chlorotoluene	93		85		70-130	9		30
1,2-Dibromo-3-chloropropane	89		87		68-130	2		30
Hexachlorobutadiene	89		82		67-130	8		30
Isopropylbenzene	98		87		70-130	12		30
p-Isopropyltoluene	95		85		70-130	11		30
Naphthalene	92		89		70-130	3		30
Acrylonitrile	106		100		70-130	6		30
n-Propylbenzene	98		87		70-130	12		30
1,2,3-Trichlorobenzene	90		88		70-130	2		30
1,2,4-Trichlorobenzene	95		90		70-130	5		30
1,3,5-Trimethylbenzene	94		85		70-130	10		30
1,2,4-Trimethylbenzene	94		85		70-130	10		30
1,4-Dioxane	100		92		65-136	8		30
p-Diethylbenzene	94		86		70-130	9		30

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 266-270 W. 96TH STREET

**Project Number:** 170432001

**Lab Number:** L2051747

**Report Date:** 11/29/20

Parameter	LCS		LCSD		%Recovery Limits	RPD	RPD	
	%Recovery	Qual	%Recovery	Qual			Qual	Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02,06-08 Batch: WG1437972-3 WG1437972-4								
p-Ethyltoluene	98		88		70-130	11		30
1,2,4,5-Tetramethylbenzene	91		85		70-130	7		30
Ethyl ether	100		97		67-130	3		30
trans-1,4-Dichloro-2-butene	98		90		70-130	9		30

Surrogate	LCS		LCSD		Acceptance Criteria
	%Recovery	Qual	%Recovery	Qual	
1,2-Dichloroethane-d4	90		86		70-130
Toluene-d8	98		99		70-130
4-Bromofluorobenzene	99		96		70-130
Dibromofluoromethane	90		91		70-130

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 266-270 W. 96TH STREET

Lab Number: L2051747

Project Number: 170432001

Report Date: 11/29/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 03-05 Batch: WG1438002-3 WG1438002-4								
Methylene chloride	100		101		70-130	1		30
1,1-Dichloroethane	103		103		70-130	0		30
Chloroform	98		99		70-130	1		30
Carbon tetrachloride	90		93		70-130	3		30
1,2-Dichloropropane	99		102		70-130	3		30
Dibromochloromethane	86		88		70-130	2		30
1,1,2-Trichloroethane	87		88		70-130	1		30
Tetrachloroethene	96		96		70-130	0		30
Chlorobenzene	92		94		70-130	2		30
Trichlorofluoromethane	62	Q	64	Q	70-139	3		30
1,2-Dichloroethane	94		95		70-130	1		30
1,1,1-Trichloroethane	89		90		70-130	1		30
Bromodichloromethane	86		89		70-130	3		30
trans-1,3-Dichloropropene	89		92		70-130	3		30
cis-1,3-Dichloropropene	96		98		70-130	2		30
1,1-Dichloropropene	100		101		70-130	1		30
Bromoform	79		81		70-130	3		30
1,1,2,2-Tetrachloroethane	80		82		70-130	2		30
Benzene	100		102		70-130	2		30
Toluene	93		95		70-130	2		30
Ethylbenzene	91		92		70-130	1		30
Chloromethane	118		114		52-130	3		30
Bromomethane	101		94		57-147	7		30

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 266-270 W. 96TH STREET

Lab Number: L2051747

Project Number: 170432001

Report Date: 11/29/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 03-05 Batch: WG1438002-3 WG1438002-4								
Vinyl chloride	80		79		67-130	1		30
Chloroethane	74		74		50-151	0		30
1,1-Dichloroethene	106		106		65-135	0		30
trans-1,2-Dichloroethene	101		103		70-130	2		30
Trichloroethene	94		96		70-130	2		30
1,2-Dichlorobenzene	90		91		70-130	1		30
1,3-Dichlorobenzene	90		92		70-130	2		30
1,4-Dichlorobenzene	91		92		70-130	1		30
Methyl tert butyl ether	95		98		66-130	3		30
p/m-Xylene	91		92		70-130	1		30
o-Xylene	90		92		70-130	2		30
cis-1,2-Dichloroethene	98		99		70-130	1		30
Dibromomethane	93		95		70-130	2		30
Styrene	89		91		70-130	2		30
Dichlorodifluoromethane	97		98		30-146	1		30
Acetone	87		97		54-140	11		30
Carbon disulfide	108		108		59-130	0		30
2-Butanone	87		83		70-130	5		30
Vinyl acetate	91		95		70-130	4		30
4-Methyl-2-pentanone	76		77		70-130	1		30
1,2,3-Trichloropropane	86		86		68-130	0		30
2-Hexanone	<b>68</b>	Q	<b>69</b>	Q	70-130	1		30
Bromochloromethane	102		104		70-130	2		30

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 266-270 W. 96TH STREET

Lab Number: L2051747

Project Number: 170432001

Report Date: 11/29/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 03-05 Batch: WG1438002-3 WG1438002-4								
2,2-Dichloropropane	92		94		70-130	2		30
1,2-Dibromoethane	88		91		70-130	3		30
1,3-Dichloropropane	94		95		69-130	1		30
1,1,1,2-Tetrachloroethane	88		91		70-130	3		30
Bromobenzene	88		90		70-130	2		30
n-Butylbenzene	87		89		70-130	2		30
sec-Butylbenzene	86		87		70-130	1		30
tert-Butylbenzene	84		86		70-130	2		30
o-Chlorotoluene	87		89		70-130	2		30
p-Chlorotoluene	88		89		70-130	1		30
1,2-Dibromo-3-chloropropane	79		81		68-130	3		30
Hexachlorobutadiene	91		91		67-130	0		30
Isopropylbenzene	85		86		70-130	1		30
p-Isopropyltoluene	86		87		70-130	1		30
Naphthalene	82		83		70-130	1		30
Acrylonitrile	105		107		70-130	2		30
n-Propylbenzene	87		88		70-130	1		30
1,2,3-Trichlorobenzene	91		92		70-130	1		30
1,2,4-Trichlorobenzene	92		93		70-130	1		30
1,3,5-Trimethylbenzene	87		87		70-130	0		30
1,2,4-Trimethylbenzene	88		88		70-130	0		30
1,4-Dioxane	88		92		65-136	4		30
p-Diethylbenzene	87		88		70-130	1		30

### Lab Control Sample Analysis Batch Quality Control

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051747  
**Report Date:** 11/29/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 03-05 Batch: WG1438002-3 WG1438002-4								
p-Ethyltoluene	88		89		70-130	1		30
1,2,4,5-Tetramethylbenzene	85		86		70-130	1		30
Ethyl ether	68		69		67-130	1		30
trans-1,4-Dichloro-2-butene	84		85		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	93		94		70-130
Toluene-d8	95		95		70-130
4-Bromofluorobenzene	92		93		70-130
Dibromofluoromethane	98		98		70-130

## Matrix Spike Analysis

*Batch Quality Control*

**Project Name:** 266-270 W. 96TH STREET

**Lab Number:** L2051747

**Project Number:** 170432001

**Report Date:** 11/29/20

<i>Parameter</i>	<i>Native Sample</i>	<i>MS Added</i>	<i>MS Found</i>	<i>MS %Recovery</i>	<i>Qual</i>	<i>MSD Found</i>	<i>MSD %Recovery</i>	<i>Qual</i>	<i>Recovery Limits</i>	<i>RPD</i>	<i>Qual</i>	<i>RPD Limits</i>
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-02,06-08 QC Batch ID: WG1437972-6 WG1437972-7 QC Sample: L2051747-01 Client ID: SB11_0-2												
Methylene chloride	ND	112	98	87		94	86		70-130	4		30
1,1-Dichloroethane	ND	112	110	97		100	95		70-130	5		30
Chloroform	ND	112	99	88		95	86		70-130	4		30
Carbon tetrachloride	ND	112	99	88		95	87		70-130	4		30
1,2-Dichloropropane	ND	112	100	92		100	91		70-130	3		30
Dibromochloromethane	ND	112	92	82		92	83		70-130	1		30
1,1,2-Trichloroethane	ND	112	90	80		89	81		70-130	1		30
Tetrachloroethene	ND	112	91	81		91	83		70-130	0		30
Chlorobenzene	ND	112	85	75		86	78		70-130	1		30
Trichlorofluoromethane	ND	112	120	102		110	97		70-139	7		30
1,2-Dichloroethane	ND	112	87	77		85	77		70-130	2		30
1,1,1-Trichloroethane	ND	112	100	89		97	88		70-130	3		30
Bromodichloromethane	ND	112	91	81		89	81		70-130	2		30
trans-1,3-Dichloropropene	ND	112	86	76		85	77		70-130	1		30
cis-1,3-Dichloropropene	ND	112	93	83		92	84		70-130	2		30
1,1-Dichloropropene	ND	112	100	91		100	91		70-130	2		30
Bromoform	ND	112	89	79		88	80		70-130	1		30
1,1,2,2-Tetrachloroethane	ND	112	88	78		87	80		70-130	1		30
Benzene	ND	112	100	92		100	91		70-130	3		30
Toluene	ND	112	92	82		91	83		70-130	1		30
Ethylbenzene	ND	112	83	74		85	78		70-130	3		30
Chloromethane	ND	112	150	132	Q	140	127		52-130	6		30
Bromomethane	ND	112	120	108		110	99		57-147	10		30

## Matrix Spike Analysis

### Batch Quality Control

**Project Name:** 266-270 W. 96TH STREET

**Lab Number:** L2051747

**Project Number:** 170432001

**Report Date:** 11/29/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-02,06-08 QC Batch ID: WG1437972-6 WG1437972-7 QC Sample: L2051747-01 Client ID: SB11_0-2												
Vinyl chloride	ND	112	150	132	Q	140	126		67-130	6		30
Chloroethane	ND	112	120	103		110	99		50-151	6		30
1,1-Dichloroethene	ND	112	120	107		120	105		65-135	4		30
trans-1,2-Dichloroethene	ND	112	110	96		100	94		70-130	5		30
Trichloroethene	ND	112	96	85		95	86		70-130	1		30
1,2-Dichlorobenzene	ND	112	76	67	Q	77	70		70-130	2		30
1,3-Dichlorobenzene	ND	112	72	64	Q	75	68	Q	70-130	3		30
1,4-Dichlorobenzene	ND	112	71	63	Q	74	67	Q	70-130	3		30
Methyl tert butyl ether	ND	112	96	85		92	84		66-130	4		30
p/m-Xylene	ND	225	170	74		170	78		70-130	4		30
o-Xylene	ND	225	170	75		170	78		70-130	2		30
cis-1,2-Dichloroethene	ND	112	100	90		97	88		70-130	4		30
Dibromomethane	ND	112	88	78		88	80		70-130	0		30
Styrene	ND	225	160	72		160	75		70-130	1		30
Dichlorodifluoromethane	ND	112	140	121		130	116		30-146	6		30
Acetone	ND	112	93	83		89	81		54-140	5		30
Carbon disulfide	ND	112	110	100		110	97		59-130	5		30
2-Butanone	ND	112	85	76		85	77		70-130	0		30
Vinyl acetate	ND	112	26	23	Q	28	26	Q	70-130	9		30
4-Methyl-2-pentanone	ND	112	89	79		88	80		70-130	1		30
1,2,3-Trichloropropane	ND	112	84	74		83	76		68-130	0		30
2-Hexanone	ND	112	83	74		84	77		70-130	2		30
Bromochloromethane	ND	112	98	88		96	87		70-130	3		30



## Matrix Spike Analysis

*Batch Quality Control*

**Project Name:** 266-270 W. 96TH STREET

**Project Number:** 170432001

**Lab Number:** L2051747

**Report Date:** 11/29/20

<i>Parameter</i>	<i>Native Sample</i>	<i>MS Added</i>	<i>MS Found</i>	<i>MS %Recovery</i>	<i>Qual</i>	<i>MSD Found</i>	<i>MSD %Recovery</i>	<i>Qual</i>	<i>Recovery Limits</i>	<i>RPD</i>	<i>Qual</i>	<i>RPD Limits</i>
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-02,06-08 QC Batch ID: WG1437972-6 WG1437972-7 QC Sample: L2051747-01 Client ID: SB11_0-2												
2,2-Dichloropropane	ND	112	98	87		96	87		70-130	3		30
1,2-Dibromoethane	ND	112	88	78		87	80		70-130	1		30
1,3-Dichloropropane	ND	112	89	79		89	81		69-130	0		30
1,1,1,2-Tetrachloroethane	ND	112	92	81		93	84		70-130	1		30
Bromobenzene	ND	112	82	72		83	75		70-130	1		30
n-Butylbenzene	ND	112	65	58	Q	71	65	Q	70-130	9		30
sec-Butylbenzene	ND	112	75	67	Q	81	74		70-130	8		30
tert-Butylbenzene	ND	112	80	71		84	76		70-130	4		30
o-Chlorotoluene	ND	112	76	68	Q	79	72		70-130	3		30
p-Chlorotoluene	ND	112	74	66	Q	76	70		70-130	4		30
1,2-Dibromo-3-chloropropane	ND	112	82	73		86	78		68-130	4		30
Hexachlorobutadiene	ND	112	60	54	Q	65	59	Q	67-130	8		30
Isopropylbenzene	ND	112	83	74		86	78		70-130	3		30
p-Isopropyltoluene	ND	112	73	64	Q	77	70		70-130	5		30
Naphthalene	ND	112	73	64	Q	74	67	Q	70-130	2		30
Acrylonitrile	ND	112	100	91		100	91		70-130	2		30
n-Propylbenzene	ND	112	77	69	Q	81	74		70-130	5		30
1,2,3-Trichlorobenzene	ND	112	64	57	Q	65	59	Q	70-130	1		30
1,2,4-Trichlorobenzene	ND	112	65	57	Q	65	59	Q	70-130	1		30
1,3,5-Trimethylbenzene	ND	112	77	68	Q	80	73		70-130	4		30
1,2,4-Trimethylbenzene	ND	112	75	67	Q	78	71		70-130	4		30
1,4-Dioxane	ND	5620	5100	91		5400	98		65-136	5		30
p-Diethylbenzene	ND	112	68	60	Q	73	67	Q	70-130	8		30

### Matrix Spike Analysis Batch Quality Control

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051747  
**Report Date:** 11/29/20

<b>Parameter</b>	<b>Native Sample</b>	<b>MS Added</b>	<b>MS Found</b>	<b>MS %Recovery</b>	<b>Qual</b>	<b>MSD Found</b>	<b>MSD %Recovery</b>	<b>Qual</b>	<b>Recovery Limits</b>	<b>RPD</b>	<b>Qual</b>	<b>RPD Limits</b>
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-02,06-08 QC Batch ID: WG1437972-6 WG1437972-7 QC Sample: L2051747-01 Client ID: SB11_0-2												
p-Ethyltoluene	ND	112	76	67	Q	80	73		70-130	6		30
1,2,4,5-Tetramethylbenzene	ND	112	69	61	Q	72	65	Q	70-130	4		30
Ethyl ether	ND	112	110	98		110	96		67-130	4		30
trans-1,4-Dichloro-2-butene	ND	112	82	73		82	75		70-130	0		30

<b>Surrogate</b>	<b>MS % Recovery</b>	<b>Qualifier</b>	<b>MSD % Recovery</b>	<b>Qualifier</b>	<b>Acceptance Criteria</b>
1,2-Dichloroethane-d4	87		90		70-130
4-Bromofluorobenzene	96		94		70-130
Dibromofluoromethane	92		92		70-130
Toluene-d8	97		96		70-130

## Matrix Spike Analysis

### Batch Quality Control

**Project Name:** 266-270 W. 96TH STREET

**Project Number:** 170432001

**Lab Number:** L2051747

**Report Date:** 11/29/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 03-05 QC Batch ID: WG1438002-6 WG1438002-7 QC Sample: L2051747-05 Client ID: SB10_3.5-5												
Methylene chloride	ND	112	94	84		85	82		70-130	11		30
1,1-Dichloroethane	ND	112	110	97		97	93		70-130	11		30
Chloroform	ND	112	96	86		86	83		70-130	11		30
Carbon tetrachloride	ND	112	110	97		100	96		70-130	8		30
1,2-Dichloropropane	ND	112	96	86		86	83		70-130	11		30
Dibromochloromethane	ND	112	74	66	Q	67	64	Q	70-130	10		30
1,1,2-Trichloroethane	ND	112	72	65	Q	65	63	Q	70-130	10		30
Tetrachloroethene	0.17J	112	99	89		87	84		70-130	13		30
Chlorobenzene	ND	112	80	72		71	68	Q	70-130	12		30
Trichlorofluoromethane	ND	112	80	72		74	72		70-139	7		30
1,2-Dichloroethane	ND	112	83	74		75	73		70-130	10		30
1,1,1-Trichloroethane	ND	112	100	91		93	90		70-130	9		30
Bromodichloromethane	ND	112	80	71		72	69	Q	70-130	10		30
trans-1,3-Dichloropropene	ND	112	73	66	Q	67	64	Q	70-130	9		30
cis-1,3-Dichloropropene	ND	112	85	76		77	74		70-130	10		30
1,1-Dichloropropene	ND	112	120	104		110	102		70-130	9		30
Bromoform	ND	112	64	58	Q	60	58	Q	70-130	7		30
1,1,2,2-Tetrachloroethane	ND	112	62	56	Q	59	56	Q	70-130	6		30
Benzene	ND	112	100	90		91	88		70-130	10		30
Toluene	ND	112	91	82		80	78		70-130	12		30
Ethylbenzene	ND	112	87	78		76	74		70-130	13		30
Chloromethane	ND	112	130	116		120	114		52-130	9		30
Bromomethane	ND	112	100	93		98	95		57-147	6		30

## Matrix Spike Analysis

### Batch Quality Control

**Project Name:** 266-270 W. 96TH STREET

**Lab Number:** L2051747

**Project Number:** 170432001

**Report Date:** 11/29/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 03-05 QC Batch ID: WG1438002-6 WG1438002-7 QC Sample: L2051747-05 Client ID: SB10_3.5-5												
Vinyl chloride	ND	112	97	87		92	89		67-130	5		30
Chloroethane	ND	112	85	76		76	74		50-151	10		30
1,1-Dichloroethene	ND	112	130	114		120	114		65-135	7		30
trans-1,2-Dichloroethene	ND	112	110	98		99	96		70-130	9		30
Trichloroethene	ND	112	98	88		88	85		70-130	11		30
1,2-Dichlorobenzene	ND	112	60	54	Q	56	54	Q	70-130	8		30
1,3-Dichlorobenzene	ND	112	62	55	Q	57	55	Q	70-130	9		30
1,4-Dichlorobenzene	ND	112	58	52	Q	54	52	Q	70-130	7		30
Methyl tert butyl ether	ND	112	83	74		77	74		66-130	7		30
p/m-Xylene	ND	223	170	76		150	72		70-130	14		30
o-Xylene	ND	223	170	74		140	70		70-130	14		30
cis-1,2-Dichloroethene	ND	112	95	86		87	84		70-130	9		30
Dibromomethane	ND	112	80	71		73	70		70-130	9		30
Styrene	ND	223	150	67	Q	130	63	Q	70-130	13		30
Dichlorodifluoromethane	ND	112	140	122		130	123		30-146	7		30
Acetone	ND	112	85	76		77	74		54-140	11		30
Carbon disulfide	ND	112	130	113		120	111		59-130	9		30
2-Butanone	ND	112	70	62	Q	64	62	Q	70-130	9		30
Vinyl acetate	ND	112	24	22	Q	34	32	Q	70-130	33	Q	30
4-Methyl-2-pentanone	ND	112	64	57	Q	60	58	Q	70-130	7		30
1,2,3-Trichloropropane	ND	112	66	59	Q	62	60	Q	68-130	7		30
2-Hexanone	ND	112	55	50	Q	52	50	Q	70-130	7		30
Bromochloromethane	ND	112	92	82		83	80		70-130	10		30

## Matrix Spike Analysis

*Batch Quality Control*

**Project Name:** 266-270 W. 96TH STREET

**Project Number:** 170432001

**Lab Number:** L2051747

**Report Date:** 11/29/20

<i>Parameter</i>	<i>Native Sample</i>	<i>MS Added</i>	<i>MS Found</i>	<i>MS %Recovery</i>	<i>Qual</i>	<i>MSD Found</i>	<i>MSD %Recovery</i>	<i>Qual</i>	<i>Recovery Limits</i>	<i>RPD</i>	<i>Qual</i>	<i>RPD Limits</i>
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 03-05 QC Batch ID: WG1438002-6 WG1438002-7 QC Sample: L2051747-05 Client ID: SB10_3.5-5												
2,2-Dichloropropane	ND	112	100	93		96	93		70-130	8		30
1,2-Dibromoethane	ND	112	74	66	Q	66	64	Q	70-130	11		30
1,3-Dichloropropane	ND	112	78	70		70	68	Q	69-130	10		30
1,1,1,2-Tetrachloroethane	ND	112	80	72		72	69	Q	70-130	11		30
Bromobenzene	ND	112	68	60	Q	62	60	Q	70-130	9		30
n-Butylbenzene	ND	112	67	60	Q	62	60	Q	70-130	9		30
sec-Butylbenzene	ND	112	79	71		72	70		70-130	9		30
tert-Butylbenzene	ND	112	80	72		72	70		70-130	10		30
o-Chlorotoluene	ND	112	72	65	Q	65	63	Q	70-130	11		30
p-Chlorotoluene	ND	112	67	60	Q	61	59	Q	70-130	10		30
1,2-Dibromo-3-chloropropane	ND	112	60	54	Q	57	55	Q	68-130	5		30
Hexachlorobutadiene	ND	112	58	52	Q	58	56	Q	67-130	1		30
Isopropylbenzene	ND	112	82	73		73	71		70-130	11		30
p-Isopropyltoluene	ND	112	74	66	Q	66	64	Q	70-130	11		30
Naphthalene	ND	112	44	39	Q	44	43	Q	70-130	1		30
Acrylonitrile	ND	112	88	79		79	76		70-130	11		30
n-Propylbenzene	ND	112	78	70		69	67	Q	70-130	12		30
1,2,3-Trichlorobenzene	ND	112	40	36	Q	41	39	Q	70-130	2		30
1,2,4-Trichlorobenzene	ND	112	41	37	Q	41	40	Q	70-130	1		30
1,3,5-Trimethylbenzene	ND	112	74	66	Q	66	64	Q	70-130	11		30
1,2,4-Trimethylbenzene	ND	112	70	63	Q	63	61	Q	70-130	11		30
1,4-Dioxane	ND	5580	5900	106		4700	91		65-136	23		30
p-Diethylbenzene	ND	112	67	60	Q	61	58	Q	70-130	10		30

### Matrix Spike Analysis Batch Quality Control

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051747  
**Report Date:** 11/29/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 03-05 QC Batch ID: WG1438002-6 WG1438002-7 QC Sample: L2051747-05 Client ID: SB10_3.5-5												
p-Ethyltoluene	ND	112	75	67	Q	67	65	Q	70-130	11		30
1,2,4,5-Tetramethylbenzene	ND	112	57	51	Q	52	50	Q	70-130	8		30
Ethyl ether	ND	112	58	52	Q	53	51	Q	67-130	8		30
trans-1,4-Dichloro-2-butene	ND	112	60	54	Q	57	55	Q	70-130	5		30

Surrogate	MS % Recovery	Qualifier	MSD % Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		95		70-130
4-Bromofluorobenzene	91		93		70-130
Dibromofluoromethane	99		100		70-130
Toluene-d8	94		93		70-130

# SEMIVOLATILES

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051747  
**Report Date:** 11/29/20

**SAMPLE RESULTS**

**Lab ID:** L2051747-01  
**Client ID:** SB11\_0-2  
**Sample Location:** NEW YORK, NEW YORK

**Date Collected:** 11/19/20 10:45  
**Date Received:** 11/19/20  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8270D  
**Analytical Date:** 11/23/20 00:41  
**Analyst:** IM  
**Percent Solids:** 88%

**Extraction Method:** EPA 3546  
**Extraction Date:** 11/22/20 01:55

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Acenaphthene	ND		ug/kg	150	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	22.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	26.	1
2-Chloronaphthalene	ND		ug/kg	190	19.	1
1,2-Dichlorobenzene	ND		ug/kg	190	34.	1
1,3-Dichlorobenzene	ND		ug/kg	190	32.	1
1,4-Dichlorobenzene	ND		ug/kg	190	33.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	50.	1
2,4-Dinitrotoluene	ND		ug/kg	190	38.	1
2,6-Dinitrotoluene	ND		ug/kg	190	32.	1
Fluoranthene	34	J	ug/kg	110	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	29.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	32.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	19.	1
Hexachlorobutadiene	ND		ug/kg	190	28.	1
Hexachlorocyclopentadiene	ND		ug/kg	540	170	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	170	24.	1
Naphthalene	ND		ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	29.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	65.	1
Butyl benzyl phthalate	2300		ug/kg	190	47.	1
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	64.	1



**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051747  
**Report Date:** 11/29/20

**SAMPLE RESULTS**

**Lab ID:** L2051747-01  
**Client ID:** SB11\_0-2  
**Sample Location:** NEW YORK, NEW YORK

**Date Collected:** 11/19/20 10:45  
**Date Received:** 11/19/20  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Diethyl phthalate	ND		ug/kg	190	17.	1
Dimethyl phthalate	ND		ug/kg	190	40.	1
Benzo(a)anthracene	27	J	ug/kg	110	21.	1
Benzo(a)pyrene	ND		ug/kg	150	46.	1
Benzo(b)fluoranthene	33	J	ug/kg	110	32.	1
Benzo(k)fluoranthene	ND		ug/kg	110	30.	1
Chrysene	ND		ug/kg	110	20.	1
Acenaphthylene	ND		ug/kg	150	29.	1
Anthracene	ND		ug/kg	110	37.	1
Benzo(ghi)perylene	ND		ug/kg	150	22.	1
Fluorene	ND		ug/kg	190	18.	1
Phenanthrene	ND		ug/kg	110	23.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	26.	1
Pyrene	34	J	ug/kg	110	19.	1
Biphenyl	ND		ug/kg	430	44.	1
4-Chloroaniline	ND		ug/kg	190	34.	1
2-Nitroaniline	ND		ug/kg	190	36.	1
3-Nitroaniline	ND		ug/kg	190	35.	1
4-Nitroaniline	ND		ug/kg	190	78.	1
Dibenzofuran	ND		ug/kg	190	18.	1
2-Methylnaphthalene	ND		ug/kg	220	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	36.	1
p-Chloro-m-cresol	ND		ug/kg	190	28.	1
2-Chlorophenol	ND		ug/kg	190	22.	1
2,4-Dichlorophenol	ND		ug/kg	170	30.	1
2,4-Dimethylphenol	ND		ug/kg	190	62.	1
2-Nitrophenol	ND		ug/kg	410	71.	1
4-Nitrophenol	ND		ug/kg	260	77.	1
2,4-Dinitrophenol	ND		ug/kg	900	88.	1
4,6-Dinitro-o-cresol	ND		ug/kg	490	90.	1
Pentachlorophenol	ND		ug/kg	150	41.	1
Phenol	ND		ug/kg	190	28.	1
2-Methylphenol	ND		ug/kg	190	29.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	29.	1

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051747  
**Report Date:** 11/29/20

**SAMPLE RESULTS**

Lab ID: L2051747-01  
 Client ID: SB11\_0-2  
 Sample Location: NEW YORK, NEW YORK

Date Collected: 11/19/20 10:45  
 Date Received: 11/19/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	190	36.	1
Benzoic Acid	ND		ug/kg	610	190	1
Benzyl Alcohol	ND		ug/kg	190	58.	1
Carbazole	ND		ug/kg	190	18.	1
1,4-Dioxane	ND		ug/kg	28	8.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	69		25-120
Phenol-d6	69		10-120
Nitrobenzene-d5	71		23-120
2-Fluorobiphenyl	78		30-120
2,4,6-Tribromophenol	104		10-136
4-Terphenyl-d14	74		18-120

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051747  
**Report Date:** 11/29/20

**SAMPLE RESULTS**

**Lab ID:** L2051747-02  
**Client ID:** SB11\_4-5  
**Sample Location:** NEW YORK, NEW YORK

**Date Collected:** 11/19/20 11:05  
**Date Received:** 11/19/20  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8270D  
**Analytical Date:** 11/23/20 01:04  
**Analyst:** IM  
**Percent Solids:** 86%

**Extraction Method:** EPA 3546  
**Extraction Date:** 11/22/20 01:55

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Acenaphthene	ND		ug/kg	150	20.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	22.	1
Hexachlorobenzene	ND		ug/kg	120	22.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	26.	1
2-Chloronaphthalene	ND		ug/kg	190	19.	1
1,2-Dichlorobenzene	ND		ug/kg	190	34.	1
1,3-Dichlorobenzene	ND		ug/kg	190	33.	1
1,4-Dichlorobenzene	ND		ug/kg	190	34.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	51.	1
2,4-Dinitrotoluene	ND		ug/kg	190	38.	1
2,6-Dinitrotoluene	ND		ug/kg	190	33.	1
Fluoranthene	ND		ug/kg	120	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	29.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	33.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	19.	1
Hexachlorobutadiene	ND		ug/kg	190	28.	1
Hexachlorocyclopentadiene	ND		ug/kg	550	170	1
Hexachloroethane	ND		ug/kg	150	31.	1
Isophorone	ND		ug/kg	170	25.	1
Naphthalene	ND		ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	30.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	67.	1
Butyl benzyl phthalate	1300		ug/kg	190	48.	1
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	65.	1

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051747  
**Report Date:** 11/29/20

**SAMPLE RESULTS**

**Lab ID:** L2051747-02  
**Client ID:** SB11\_4-5  
**Sample Location:** NEW YORK, NEW YORK

**Date Collected:** 11/19/20 11:05  
**Date Received:** 11/19/20  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Diethyl phthalate	ND		ug/kg	190	18.	1
Dimethyl phthalate	ND		ug/kg	190	40.	1
Benzo(a)anthracene	ND		ug/kg	120	22.	1
Benzo(a)pyrene	ND		ug/kg	150	47.	1
Benzo(b)fluoranthene	ND		ug/kg	120	32.	1
Benzo(k)fluoranthene	ND		ug/kg	120	31.	1
Chrysene	ND		ug/kg	120	20.	1
Acenaphthylene	ND		ug/kg	150	30.	1
Anthracene	ND		ug/kg	120	38.	1
Benzo(ghi)perylene	ND		ug/kg	150	23.	1
Fluorene	ND		ug/kg	190	19.	1
Phenanthrene	ND		ug/kg	120	23.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	22.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	27.	1
Pyrene	ND		ug/kg	120	19.	1
Biphenyl	ND		ug/kg	440	45.	1
4-Chloroaniline	ND		ug/kg	190	35.	1
2-Nitroaniline	ND		ug/kg	190	37.	1
3-Nitroaniline	ND		ug/kg	190	36.	1
4-Nitroaniline	ND		ug/kg	190	80.	1
Dibenzofuran	ND		ug/kg	190	18.	1
2-Methylnaphthalene	ND		ug/kg	230	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	24.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	36.	1
p-Chloro-m-cresol	ND		ug/kg	190	29.	1
2-Chlorophenol	ND		ug/kg	190	23.	1
2,4-Dichlorophenol	ND		ug/kg	170	31.	1
2,4-Dimethylphenol	ND		ug/kg	190	64.	1
2-Nitrophenol	ND		ug/kg	420	72.	1
4-Nitrophenol	ND		ug/kg	270	78.	1
2,4-Dinitrophenol	ND		ug/kg	920	90.	1
4,6-Dinitro-o-cresol	ND		ug/kg	500	92.	1
Pentachlorophenol	ND		ug/kg	150	42.	1
Phenol	ND		ug/kg	190	29.	1
2-Methylphenol	ND		ug/kg	190	30.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	30.	1

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051747  
**Report Date:** 11/29/20

**SAMPLE RESULTS**

**Lab ID:** L2051747-02  
**Client ID:** SB11\_4-5  
**Sample Location:** NEW YORK, NEW YORK

**Date Collected:** 11/19/20 11:05  
**Date Received:** 11/19/20  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	190	37.	1
Benzoic Acid	ND		ug/kg	620	190	1
Benzyl Alcohol	ND		ug/kg	190	59.	1
Carbazole	ND		ug/kg	190	19.	1
1,4-Dioxane	ND		ug/kg	29	8.8	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	70		25-120
Phenol-d6	72		10-120
Nitrobenzene-d5	75		23-120
2-Fluorobiphenyl	83		30-120
2,4,6-Tribromophenol	103		10-136
4-Terphenyl-d14	78		18-120

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051747  
**Report Date:** 11/29/20

**SAMPLE RESULTS**

**Lab ID:** L2051747-03  
**Client ID:** SB11\_5-6  
**Sample Location:** NEW YORK, NEW YORK

**Date Collected:** 11/19/20 11:30  
**Date Received:** 11/19/20  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8270D  
**Analytical Date:** 11/23/20 01:27  
**Analyst:** IM  
**Percent Solids:** 86%

**Extraction Method:** EPA 3546  
**Extraction Date:** 11/22/20 01:55

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Acenaphthene	ND		ug/kg	150	20.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	22.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	26.	1
2-Chloronaphthalene	ND		ug/kg	190	19.	1
1,2-Dichlorobenzene	ND		ug/kg	190	34.	1
1,3-Dichlorobenzene	ND		ug/kg	190	33.	1
1,4-Dichlorobenzene	ND		ug/kg	190	33.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	51.	1
2,4-Dinitrotoluene	ND		ug/kg	190	38.	1
2,6-Dinitrotoluene	ND		ug/kg	190	33.	1
Fluoranthene	27	J	ug/kg	110	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	29.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	33.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	19.	1
Hexachlorobutadiene	ND		ug/kg	190	28.	1
Hexachlorocyclopentadiene	ND		ug/kg	550	170	1
Hexachloroethane	ND		ug/kg	150	31.	1
Isophorone	ND		ug/kg	170	25.	1
Naphthalene	ND		ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	30.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	66.	1
Butyl benzyl phthalate	2900		ug/kg	190	48.	1
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	65.	1

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051747  
**Report Date:** 11/29/20

**SAMPLE RESULTS**

**Lab ID:** L2051747-03  
**Client ID:** SB11\_5-6  
**Sample Location:** NEW YORK, NEW YORK

**Date Collected:** 11/19/20 11:30  
**Date Received:** 11/19/20  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Diethyl phthalate	ND		ug/kg	190	18.	1
Dimethyl phthalate	ND		ug/kg	190	40.	1
Benzo(a)anthracene	ND		ug/kg	110	22.	1
Benzo(a)pyrene	ND		ug/kg	150	47.	1
Benzo(b)fluoranthene	ND		ug/kg	110	32.	1
Benzo(k)fluoranthene	ND		ug/kg	110	30.	1
Chrysene	ND		ug/kg	110	20.	1
Acenaphthylene	ND		ug/kg	150	30.	1
Anthracene	ND		ug/kg	110	37.	1
Benzo(ghi)perylene	ND		ug/kg	150	22.	1
Fluorene	ND		ug/kg	190	18.	1
Phenanthrene	ND		ug/kg	110	23.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	27.	1
Pyrene	26	J	ug/kg	110	19.	1
Biphenyl	ND		ug/kg	440	44.	1
4-Chloroaniline	ND		ug/kg	190	35.	1
2-Nitroaniline	ND		ug/kg	190	37.	1
3-Nitroaniline	ND		ug/kg	190	36.	1
4-Nitroaniline	ND		ug/kg	190	79.	1
Dibenzofuran	ND		ug/kg	190	18.	1
2-Methylnaphthalene	ND		ug/kg	230	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	24.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	36.	1
p-Chloro-m-cresol	ND		ug/kg	190	28.	1
2-Chlorophenol	ND		ug/kg	190	22.	1
2,4-Dichlorophenol	ND		ug/kg	170	31.	1
2,4-Dimethylphenol	ND		ug/kg	190	63.	1
2-Nitrophenol	ND		ug/kg	410	72.	1
4-Nitrophenol	ND		ug/kg	270	78.	1
2,4-Dinitrophenol	ND		ug/kg	920	89.	1
4,6-Dinitro-o-cresol	ND		ug/kg	500	92.	1
Pentachlorophenol	ND		ug/kg	150	42.	1
Phenol	ND		ug/kg	190	29.	1
2-Methylphenol	ND		ug/kg	190	30.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	30.	1

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051747  
**Report Date:** 11/29/20

**SAMPLE RESULTS**

**Lab ID:** L2051747-03  
**Client ID:** SB11\_5-6  
**Sample Location:** NEW YORK, NEW YORK

**Date Collected:** 11/19/20 11:30  
**Date Received:** 11/19/20  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	190	37.	1
Benzoic Acid	ND		ug/kg	620	190	1
Benzyl Alcohol	ND		ug/kg	190	58.	1
Carbazole	ND		ug/kg	190	18.	1
1,4-Dioxane	ND		ug/kg	29	8.8	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	67		25-120
Phenol-d6	68		10-120
Nitrobenzene-d5	69		23-120
2-Fluorobiphenyl	78		30-120
2,4,6-Tribromophenol	99		10-136
4-Terphenyl-d14	73		18-120



**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051747  
**Report Date:** 11/29/20

**SAMPLE RESULTS**

**Lab ID:** L2051747-04  
**Client ID:** SB10\_0-2  
**Sample Location:** NEW YORK, NEW YORK

**Date Collected:** 11/19/20 12:30  
**Date Received:** 11/19/20  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8270D  
**Analytical Date:** 11/23/20 01:49  
**Analyst:** IM  
**Percent Solids:** 89%

**Extraction Method:** EPA 3546  
**Extraction Date:** 11/22/20 01:55

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Acenaphthene	ND		ug/kg	150	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	21.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	25.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	33.	1
1,3-Dichlorobenzene	ND		ug/kg	180	32.	1
1,4-Dichlorobenzene	ND		ug/kg	180	32.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	49.	1
2,4-Dinitrotoluene	ND		ug/kg	180	37.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Fluoranthene	54	J	ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	31.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	18.	1
Hexachlorobutadiene	ND		ug/kg	180	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	520	170	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	160	24.	1
Naphthalene	ND		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	27.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	100	J	ug/kg	180	63.	1
Butyl benzyl phthalate	2700		ug/kg	180	46.	1
Di-n-butylphthalate	ND		ug/kg	180	35.	1
Di-n-octylphthalate	ND		ug/kg	180	62.	1

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051747  
**Report Date:** 11/29/20

**SAMPLE RESULTS**

**Lab ID:** L2051747-04  
**Client ID:** SB10\_0-2  
**Sample Location:** NEW YORK, NEW YORK

**Date Collected:** 11/19/20 12:30  
**Date Received:** 11/19/20  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	38.	1
Benzo(a)anthracene	29	J	ug/kg	110	21.	1
Benzo(a)pyrene	ND		ug/kg	150	45.	1
Benzo(b)fluoranthene	32	J	ug/kg	110	31.	1
Benzo(k)fluoranthene	ND		ug/kg	110	29.	1
Chrysene	26	J	ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	150	28.	1
Anthracene	ND		ug/kg	110	36.	1
Benzo(ghi)perylene	ND		ug/kg	150	22.	1
Fluorene	ND		ug/kg	180	18.	1
Phenanthrene	31	J	ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	26.	1
Pyrene	46	J	ug/kg	110	18.	1
Biphenyl	ND		ug/kg	420	42.	1
4-Chloroaniline	ND		ug/kg	180	33.	1
2-Nitroaniline	ND		ug/kg	180	35.	1
3-Nitroaniline	ND		ug/kg	180	35.	1
4-Nitroaniline	ND		ug/kg	180	76.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	22.	1
2,4-Dichlorophenol	ND		ug/kg	160	30.	1
2,4-Dimethylphenol	ND		ug/kg	180	60.	1
2-Nitrophenol	ND		ug/kg	400	69.	1
4-Nitrophenol	ND		ug/kg	260	75.	1
2,4-Dinitrophenol	ND		ug/kg	880	86.	1
4,6-Dinitro-o-cresol	ND		ug/kg	480	88.	1
Pentachlorophenol	ND		ug/kg	150	40.	1
Phenol	ND		ug/kg	180	28.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	29.	1

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051747  
**Report Date:** 11/29/20

**SAMPLE RESULTS**

**Lab ID:** L2051747-04  
**Client ID:** SB10\_0-2  
**Sample Location:** NEW YORK, NEW YORK

**Date Collected:** 11/19/20 12:30  
**Date Received:** 11/19/20  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	35.	1
Benzoic Acid	ND		ug/kg	590	180	1
Benzyl Alcohol	ND		ug/kg	180	56.	1
Carbazole	ND		ug/kg	180	18.	1
1,4-Dioxane	ND		ug/kg	28	8.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	60		25-120
Phenol-d6	60		10-120
Nitrobenzene-d5	64		23-120
2-Fluorobiphenyl	69		30-120
2,4,6-Tribromophenol	91		10-136
4-Terphenyl-d14	65		18-120

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051747  
**Report Date:** 11/29/20

**SAMPLE RESULTS**

**Lab ID:** L2051747-05  
**Client ID:** SB10\_3.5-5  
**Sample Location:** NEW YORK, NEW YORK

**Date Collected:** 11/19/20 12:40  
**Date Received:** 11/19/20  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8270D  
**Analytical Date:** 11/23/20 02:12  
**Analyst:** IM  
**Percent Solids:** 88%

**Extraction Method:** EPA 3546  
**Extraction Date:** 11/22/20 01:55

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Acenaphthene	ND		ug/kg	150	20.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	22.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	26.	1
2-Chloronaphthalene	ND		ug/kg	190	19.	1
1,2-Dichlorobenzene	ND		ug/kg	190	34.	1
1,3-Dichlorobenzene	ND		ug/kg	190	32.	1
1,4-Dichlorobenzene	ND		ug/kg	190	33.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	50.	1
2,4-Dinitrotoluene	ND		ug/kg	190	38.	1
2,6-Dinitrotoluene	ND		ug/kg	190	32.	1
Fluoranthene	ND		ug/kg	110	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	29.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	32.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	19.	1
Hexachlorobutadiene	ND		ug/kg	190	28.	1
Hexachlorocyclopentadiene	ND		ug/kg	540	170	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	170	24.	1
Naphthalene	ND		ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	29.	1
Bis(2-ethylhexyl)phthalate	120	J	ug/kg	190	65.	1
Butyl benzyl phthalate	2600		ug/kg	190	47.	1
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	64.	1

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051747  
**Report Date:** 11/29/20

**SAMPLE RESULTS**

**Lab ID:** L2051747-05  
**Client ID:** SB10\_3.5-5  
**Sample Location:** NEW YORK, NEW YORK

**Date Collected:** 11/19/20 12:40  
**Date Received:** 11/19/20  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Diethyl phthalate	ND		ug/kg	190	17.	1
Dimethyl phthalate	ND		ug/kg	190	40.	1
Benzo(a)anthracene	ND		ug/kg	110	21.	1
Benzo(a)pyrene	ND		ug/kg	150	46.	1
Benzo(b)fluoranthene	ND		ug/kg	110	32.	1
Benzo(k)fluoranthene	ND		ug/kg	110	30.	1
Chrysene	ND		ug/kg	110	20.	1
Acenaphthylene	ND		ug/kg	150	29.	1
Anthracene	ND		ug/kg	110	37.	1
Benzo(ghi)perylene	ND		ug/kg	150	22.	1
Fluorene	ND		ug/kg	190	18.	1
Phenanthrene	ND		ug/kg	110	23.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	26.	1
Pyrene	ND		ug/kg	110	19.	1
Biphenyl	ND		ug/kg	430	44.	1
4-Chloroaniline	ND		ug/kg	190	34.	1
2-Nitroaniline	ND		ug/kg	190	36.	1
3-Nitroaniline	ND		ug/kg	190	36.	1
4-Nitroaniline	ND		ug/kg	190	78.	1
Dibenzofuran	ND		ug/kg	190	18.	1
2-Methylnaphthalene	ND		ug/kg	230	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	36.	1
p-Chloro-m-cresol	ND		ug/kg	190	28.	1
2-Chlorophenol	ND		ug/kg	190	22.	1
2,4-Dichlorophenol	ND		ug/kg	170	30.	1
2,4-Dimethylphenol	ND		ug/kg	190	62.	1
2-Nitrophenol	ND		ug/kg	410	71.	1
4-Nitrophenol	ND		ug/kg	260	77.	1
2,4-Dinitrophenol	ND		ug/kg	900	88.	1
4,6-Dinitro-o-cresol	ND		ug/kg	490	90.	1
Pentachlorophenol	ND		ug/kg	150	41.	1
Phenol	ND		ug/kg	190	28.	1
2-Methylphenol	ND		ug/kg	190	29.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	30.	1

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051747  
**Report Date:** 11/29/20

**SAMPLE RESULTS**

Lab ID: L2051747-05  
 Client ID: SB10\_3.5-5  
 Sample Location: NEW YORK, NEW YORK

Date Collected: 11/19/20 12:40  
 Date Received: 11/19/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
2,4,5-Trichlorophenol	ND		ug/kg	190	36.	1
Benzoic Acid	ND		ug/kg	610	190	1
Benzyl Alcohol	ND		ug/kg	190	58.	1
Carbazole	ND		ug/kg	190	18.	1
1,4-Dioxane	ND		ug/kg	28	8.7	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	64		25-120
Phenol-d6	65		10-120
Nitrobenzene-d5	68		23-120
2-Fluorobiphenyl	75		30-120
2,4,6-Tribromophenol	99		10-136
4-Terphenyl-d14	73		18-120

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051747  
**Report Date:** 11/29/20

**SAMPLE RESULTS**

**Lab ID:** L2051747-06  
**Client ID:** SB09\_0-2  
**Sample Location:** NEW YORK, NEW YORK

**Date Collected:** 11/19/20 14:00  
**Date Received:** 11/19/20  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8270D  
**Analytical Date:** 11/23/20 02:35  
**Analyst:** IM  
**Percent Solids:** 86%

**Extraction Method:** EPA 3546  
**Extraction Date:** 11/22/20 01:55

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Acenaphthene	ND		ug/kg	150	20.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	22.	1
Hexachlorobenzene	ND		ug/kg	120	22.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	26.	1
2-Chloronaphthalene	ND		ug/kg	190	19.	1
1,2-Dichlorobenzene	ND		ug/kg	190	35.	1
1,3-Dichlorobenzene	ND		ug/kg	190	33.	1
1,4-Dichlorobenzene	ND		ug/kg	190	34.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	51.	1
2,4-Dinitrotoluene	ND		ug/kg	190	38.	1
2,6-Dinitrotoluene	ND		ug/kg	190	33.	1
Fluoranthene	150		ug/kg	120	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	21.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	29.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	33.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	19.	1
Hexachlorobutadiene	ND		ug/kg	190	28.	1
Hexachlorocyclopentadiene	ND		ug/kg	550	170	1
Hexachloroethane	ND		ug/kg	150	31.	1
Isophorone	ND		ug/kg	170	25.	1
Naphthalene	52	J	ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	30.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	67.	1
Butyl benzyl phthalate	ND		ug/kg	190	49.	1
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	66.	1

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051747  
**Report Date:** 11/29/20

**SAMPLE RESULTS**

**Lab ID:** L2051747-06  
**Client ID:** SB09\_0-2  
**Sample Location:** NEW YORK, NEW YORK

**Date Collected:** 11/19/20 14:00  
**Date Received:** 11/19/20  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Diethyl phthalate	ND		ug/kg	190	18.	1
Dimethyl phthalate	ND		ug/kg	190	40.	1
Benzo(a)anthracene	68	J	ug/kg	120	22.	1
Benzo(a)pyrene	54	J	ug/kg	150	47.	1
Benzo(b)fluoranthene	69	J	ug/kg	120	32.	1
Benzo(k)fluoranthene	ND		ug/kg	120	31.	1
Chrysene	64	J	ug/kg	120	20.	1
Acenaphthylene	ND		ug/kg	150	30.	1
Anthracene	ND		ug/kg	120	38.	1
Benzo(ghi)perylene	26	J	ug/kg	150	23.	1
Fluorene	ND		ug/kg	190	19.	1
Phenanthrene	150		ug/kg	120	23.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	22.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	27.	1
Pyrene	130		ug/kg	120	19.	1
Biphenyl	ND		ug/kg	440	45.	1
4-Chloroaniline	ND		ug/kg	190	35.	1
2-Nitroaniline	ND		ug/kg	190	37.	1
3-Nitroaniline	ND		ug/kg	190	36.	1
4-Nitroaniline	ND		ug/kg	190	80.	1
Dibenzofuran	ND		ug/kg	190	18.	1
2-Methylnaphthalene	ND		ug/kg	230	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	24.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	36.	1
p-Chloro-m-cresol	ND		ug/kg	190	29.	1
2-Chlorophenol	ND		ug/kg	190	23.	1
2,4-Dichlorophenol	ND		ug/kg	170	31.	1
2,4-Dimethylphenol	ND		ug/kg	190	64.	1
2-Nitrophenol	ND		ug/kg	420	72.	1
4-Nitrophenol	ND		ug/kg	270	79.	1
2,4-Dinitrophenol	ND		ug/kg	920	90.	1
4,6-Dinitro-o-cresol	ND		ug/kg	500	92.	1
Pentachlorophenol	ND		ug/kg	150	42.	1
Phenol	ND		ug/kg	190	29.	1
2-Methylphenol	ND		ug/kg	190	30.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	30.	1



**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051747  
**Report Date:** 11/29/20

**SAMPLE RESULTS**

**Lab ID:** L2051747-06  
**Client ID:** SB09\_0-2  
**Sample Location:** NEW YORK, NEW YORK

**Date Collected:** 11/19/20 14:00  
**Date Received:** 11/19/20  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	190	37.	1
Benzoic Acid	ND		ug/kg	620	200	1
Benzyl Alcohol	ND		ug/kg	190	59.	1
Carbazole	ND		ug/kg	190	19.	1
1,4-Dioxane	ND		ug/kg	29	8.9	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	67		25-120
Phenol-d6	66		10-120
Nitrobenzene-d5	70		23-120
2-Fluorobiphenyl	80		30-120
2,4,6-Tribromophenol	103		10-136
4-Terphenyl-d14	76		18-120

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051747  
**Report Date:** 11/29/20

**SAMPLE RESULTS**

**Lab ID:** L2051747-07  
**Client ID:** SB09\_4-6  
**Sample Location:** NEW YORK, NEW YORK

**Date Collected:** 11/19/20 14:15  
**Date Received:** 11/19/20  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8270D  
**Analytical Date:** 11/23/20 02:58  
**Analyst:** IM  
**Percent Solids:** 82%

**Extraction Method:** EPA 3546  
**Extraction Date:** 11/22/20 01:55

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Acenaphthene	ND		ug/kg	160	20.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	23.	1
Hexachlorobenzene	ND		ug/kg	120	22.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	27.	1
2-Chloronaphthalene	ND		ug/kg	200	20.	1
1,2-Dichlorobenzene	ND		ug/kg	200	36.	1
1,3-Dichlorobenzene	ND		ug/kg	200	34.	1
1,4-Dichlorobenzene	ND		ug/kg	200	35.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	53.	1
2,4-Dinitrotoluene	ND		ug/kg	200	40.	1
2,6-Dinitrotoluene	ND		ug/kg	200	34.	1
Fluoranthene	31	J	ug/kg	120	23.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	21.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	30.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	34.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	20.	1
Hexachlorobutadiene	ND		ug/kg	200	29.	1
Hexachlorocyclopentadiene	ND		ug/kg	570	180	1
Hexachloroethane	ND		ug/kg	160	32.	1
Isophorone	ND		ug/kg	180	26.	1
Naphthalene	24	J	ug/kg	200	24.	1
Nitrobenzene	ND		ug/kg	180	29.	1
NDPA/DPA	ND		ug/kg	160	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	31.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	200	69.	1
Butyl benzyl phthalate	ND		ug/kg	200	50.	1
Di-n-butylphthalate	ND		ug/kg	200	38.	1
Di-n-octylphthalate	ND		ug/kg	200	68.	1

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051747  
**Report Date:** 11/29/20

**SAMPLE RESULTS**

**Lab ID:** L2051747-07  
**Client ID:** SB09\_4-6  
**Sample Location:** NEW YORK, NEW YORK

**Date Collected:** 11/19/20 14:15  
**Date Received:** 11/19/20  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Diethyl phthalate	ND		ug/kg	200	18.	1
Dimethyl phthalate	ND		ug/kg	200	42.	1
Benzo(a)anthracene	ND		ug/kg	120	22.	1
Benzo(a)pyrene	ND		ug/kg	160	48.	1
Benzo(b)fluoranthene	ND		ug/kg	120	33.	1
Benzo(k)fluoranthene	ND		ug/kg	120	32.	1
Chrysene	ND		ug/kg	120	21.	1
Acenaphthylene	ND		ug/kg	160	31.	1
Anthracene	ND		ug/kg	120	39.	1
Benzo(ghi)perylene	ND		ug/kg	160	23.	1
Fluorene	ND		ug/kg	200	19.	1
Phenanthrene	31	J	ug/kg	120	24.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	23.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	160	28.	1
Pyrene	29	J	ug/kg	120	20.	1
Biphenyl	ND		ug/kg	450	46.	1
4-Chloroaniline	ND		ug/kg	200	36.	1
2-Nitroaniline	ND		ug/kg	200	38.	1
3-Nitroaniline	ND		ug/kg	200	37.	1
4-Nitroaniline	ND		ug/kg	200	82.	1
Dibenzofuran	ND		ug/kg	200	19.	1
2-Methylnaphthalene	ND		ug/kg	240	24.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	21.	1
Acetophenone	ND		ug/kg	200	24.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	38.	1
p-Chloro-m-cresol	ND		ug/kg	200	30.	1
2-Chlorophenol	ND		ug/kg	200	23.	1
2,4-Dichlorophenol	ND		ug/kg	180	32.	1
2,4-Dimethylphenol	ND		ug/kg	200	66.	1
2-Nitrophenol	ND		ug/kg	430	75.	1
4-Nitrophenol	ND		ug/kg	280	81.	1
2,4-Dinitrophenol	ND		ug/kg	950	92.	1
4,6-Dinitro-o-cresol	ND		ug/kg	520	95.	1
Pentachlorophenol	ND		ug/kg	160	44.	1
Phenol	ND		ug/kg	200	30.	1
2-Methylphenol	ND		ug/kg	200	31.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	31.	1

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051747  
**Report Date:** 11/29/20

**SAMPLE RESULTS**

**Lab ID:** L2051747-07  
**Client ID:** SB09\_4-6  
**Sample Location:** NEW YORK, NEW YORK

**Date Collected:** 11/19/20 14:15  
**Date Received:** 11/19/20  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	200	38.	1
Benzoic Acid	ND		ug/kg	640	200	1
Benzyl Alcohol	ND		ug/kg	200	61.	1
Carbazole	ND		ug/kg	200	19.	1
1,4-Dioxane	ND		ug/kg	30	9.1	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	58		25-120
Phenol-d6	61		10-120
Nitrobenzene-d5	65		23-120
2-Fluorobiphenyl	78		30-120
2,4,6-Tribromophenol	92		10-136
4-Terphenyl-d14	81		18-120

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051747  
**Report Date:** 11/29/20

**SAMPLE RESULTS**

**Lab ID:** L2051747-08  
**Client ID:** DUP02\_11192020  
**Sample Location:** NEW YORK, NEW YORK

**Date Collected:** 11/19/20 00:00  
**Date Received:** 11/19/20  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8270D  
**Analytical Date:** 11/23/20 03:21  
**Analyst:** IM  
**Percent Solids:** 89%

**Extraction Method:** EPA 3546  
**Extraction Date:** 11/22/20 01:55

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Acenaphthene	ND		ug/kg	150	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	21.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	25.	1
2-Chloronaphthalene	ND		ug/kg	190	18.	1
1,2-Dichlorobenzene	ND		ug/kg	190	34.	1
1,3-Dichlorobenzene	ND		ug/kg	190	32.	1
1,4-Dichlorobenzene	ND		ug/kg	190	33.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	50.	1
2,4-Dinitrotoluene	ND		ug/kg	190	37.	1
2,6-Dinitrotoluene	ND		ug/kg	190	32.	1
Fluoranthene	ND		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	32.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	19.	1
Hexachlorobutadiene	ND		ug/kg	190	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	540	170	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	170	24.	1
Naphthalene	ND		ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	29.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	65.	1
Butyl benzyl phthalate	ND		ug/kg	190	47.	1
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	64.	1

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051747  
**Report Date:** 11/29/20

**SAMPLE RESULTS**

**Lab ID:** L2051747-08  
**Client ID:** DUP02\_11192020  
**Sample Location:** NEW YORK, NEW YORK

**Date Collected:** 11/19/20 00:00  
**Date Received:** 11/19/20  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Diethyl phthalate	ND		ug/kg	190	17.	1
Dimethyl phthalate	ND		ug/kg	190	39.	1
Benzo(a)anthracene	ND		ug/kg	110	21.	1
Benzo(a)pyrene	ND		ug/kg	150	46.	1
Benzo(b)fluoranthene	ND		ug/kg	110	32.	1
Benzo(k)fluoranthene	ND		ug/kg	110	30.	1
Chrysene	ND		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	150	29.	1
Anthracene	ND		ug/kg	110	36.	1
Benzo(ghi)perylene	ND		ug/kg	150	22.	1
Fluorene	ND		ug/kg	190	18.	1
Phenanthrene	ND		ug/kg	110	23.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	26.	1
Pyrene	ND		ug/kg	110	19.	1
Biphenyl	ND		ug/kg	430	43.	1
4-Chloroaniline	ND		ug/kg	190	34.	1
2-Nitroaniline	ND		ug/kg	190	36.	1
3-Nitroaniline	ND		ug/kg	190	35.	1
4-Nitroaniline	ND		ug/kg	190	78.	1
Dibenzofuran	ND		ug/kg	190	18.	1
2-Methylnaphthalene	ND		ug/kg	220	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	36.	1
p-Chloro-m-cresol	ND		ug/kg	190	28.	1
2-Chlorophenol	ND		ug/kg	190	22.	1
2,4-Dichlorophenol	ND		ug/kg	170	30.	1
2,4-Dimethylphenol	ND		ug/kg	190	62.	1
2-Nitrophenol	ND		ug/kg	400	70.	1
4-Nitrophenol	ND		ug/kg	260	76.	1
2,4-Dinitrophenol	ND		ug/kg	900	87.	1
4,6-Dinitro-o-cresol	ND		ug/kg	490	90.	1
Pentachlorophenol	ND		ug/kg	150	41.	1
Phenol	ND		ug/kg	190	28.	1
2-Methylphenol	ND		ug/kg	190	29.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	29.	1

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051747  
**Report Date:** 11/29/20

**SAMPLE RESULTS**

**Lab ID:** L2051747-08  
**Client ID:** DUP02\_11192020  
**Sample Location:** NEW YORK, NEW YORK

**Date Collected:** 11/19/20 00:00  
**Date Received:** 11/19/20  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
2,4,5-Trichlorophenol	ND		ug/kg	190	36.	1
Benzoic Acid	ND		ug/kg	610	190	1
Benzyl Alcohol	ND		ug/kg	190	57.	1
Carbazole	ND		ug/kg	190	18.	1
1,4-Dioxane	ND		ug/kg	28	8.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	67		25-120
Phenol-d6	68		10-120
Nitrobenzene-d5	70		23-120
2-Fluorobiphenyl	80		30-120
2,4,6-Tribromophenol	103		10-136
4-Terphenyl-d14	77		18-120

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051747  
**Report Date:** 11/29/20

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8270D  
Analytical Date: 11/22/20 22:01  
Analyst: IM

Extraction Method: EPA 3546  
Extraction Date: 11/22/20 01:55

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatle Organics by GC/MS - Westborough Lab for sample(s): 01-08 Batch: WG1437167-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	160	19.
Hexachlorobenzene	ND		ug/kg	99	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
1,2-Dichlorobenzene	ND		ug/kg	160	30.
1,3-Dichlorobenzene	ND		ug/kg	160	28.
1,4-Dichlorobenzene	ND		ug/kg	160	29.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	33.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	99	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	18.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	470	150
Hexachloroethane	ND		ug/kg	130	27.
Isophorone	ND		ug/kg	150	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	19.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	26.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	57.
Butyl benzyl phthalate	ND		ug/kg	160	42.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	56.
Diethyl phthalate	ND		ug/kg	160	15.



**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051747  
**Report Date:** 11/29/20

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8270D  
Analytical Date: 11/22/20 22:01  
Analyst: IM

Extraction Method: EPA 3546  
Extraction Date: 11/22/20 01:55

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-08 Batch: WG1437167-1					
Dimethyl phthalate	ND		ug/kg	160	35.
Benzo(a)anthracene	ND		ug/kg	99	19.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	99	28.
Benzo(k)fluoranthene	ND		ug/kg	99	26.
Chrysene	ND		ug/kg	99	17.
Acenaphthylene	ND		ug/kg	130	26.
Anthracene	ND		ug/kg	99	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	99	20.
Dibenzo(a,h)anthracene	ND		ug/kg	99	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	99	16.
Biphenyl	ND		ug/kg	380	38.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	32.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	68.
Dibenzofuran	ND		ug/kg	160	16.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	99	31.
p-Chloro-m-cresol	ND		ug/kg	160	25.
2-Chlorophenol	ND		ug/kg	160	20.
2,4-Dichlorophenol	ND		ug/kg	150	26.
2,4-Dimethylphenol	ND		ug/kg	160	54.
2-Nitrophenol	ND		ug/kg	360	62.

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051747  
**Report Date:** 11/29/20

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8270D  
Analytical Date: 11/22/20 22:01  
Analyst: IM

Extraction Method: EPA 3546  
Extraction Date: 11/22/20 01:55

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-08 Batch: WG1437167-1					
4-Nitrophenol	ND		ug/kg	230	67.
2,4-Dinitrophenol	ND		ug/kg	790	77.
4,6-Dinitro-o-cresol	ND		ug/kg	430	79.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	160	25.
2-Methylphenol	ND		ug/kg	160	26.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.
2,4,5-Trichlorophenol	ND		ug/kg	160	32.
Benzoic Acid	ND		ug/kg	540	170
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	16.
1,4-Dioxane	ND		ug/kg	25	7.6

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	65		25-120
Phenol-d6	66		10-120
Nitrobenzene-d5	65		23-120
2-Fluorobiphenyl	76		30-120
2,4,6-Tribromophenol	96		10-136
4-Terphenyl-d14	81		18-120

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 266-270 W. 96TH STREET

Lab Number: L2051747

Project Number: 170432001

Report Date: 11/29/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 Batch: WG1437167-2 WG1437167-3								
Acenaphthene	66		70		31-137	6		50
1,2,4-Trichlorobenzene	69		71		38-107	3		50
Hexachlorobenzene	84		89		40-140	6		50
Bis(2-chloroethyl)ether	60		61		40-140	2		50
2-Chloronaphthalene	74		77		40-140	4		50
1,2-Dichlorobenzene	63		64		40-140	2		50
1,3-Dichlorobenzene	61		62		40-140	2		50
1,4-Dichlorobenzene	62		62		28-104	0		50
3,3'-Dichlorobenzidine	63		64		40-140	2		50
2,4-Dinitrotoluene	89		94		40-132	5		50
2,6-Dinitrotoluene	90		94		40-140	4		50
Fluoranthene	73		78		40-140	7		50
4-Chlorophenyl phenyl ether	74		78		40-140	5		50
4-Bromophenyl phenyl ether	79		84		40-140	6		50
Bis(2-chloroisopropyl)ether	54		55		40-140	2		50
Bis(2-chloroethoxy)methane	63		66		40-117	5		50
Hexachlorobutadiene	71		73		40-140	3		50
Hexachlorocyclopentadiene	57		60		40-140	5		50
Hexachloroethane	61		62		40-140	2		50
Isophorone	59		61		40-140	3		50
Naphthalene	66		68		40-140	3		50
Nitrobenzene	64		66		40-140	3		50
NDPA/DPA	73		77		36-157	5		50

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 266-270 W. 96TH STREET

Lab Number: L2051747

Project Number: 170432001

Report Date: 11/29/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 Batch: WG1437167-2 WG1437167-3								
n-Nitrosodi-n-propylamine	60		63		32-121	5		50
Bis(2-ethylhexyl)phthalate	69		74		40-140	7		50
Butyl benzyl phthalate	73		78		40-140	7		50
Di-n-butylphthalate	70		75		40-140	7		50
Di-n-octylphthalate	67		71		40-140	6		50
Diethyl phthalate	70		73		40-140	4		50
Dimethyl phthalate	76		80		40-140	5		50
Benzo(a)anthracene	66		70		40-140	6		50
Benzo(a)pyrene	79		83		40-140	5		50
Benzo(b)fluoranthene	73		76		40-140	4		50
Benzo(k)fluoranthene	74		79		40-140	7		50
Chrysene	69		73		40-140	6		50
Acenaphthylene	70		73		40-140	4		50
Anthracene	71		75		40-140	5		50
Benzo(ghi)perylene	71		75		40-140	5		50
Fluorene	72		75		40-140	4		50
Phenanthrene	70		74		40-140	6		50
Dibenzo(a,h)anthracene	72		75		40-140	4		50
Indeno(1,2,3-cd)pyrene	69		71		40-140	3		50
Pyrene	73		76		35-142	4		50
Biphenyl	74		78		37-127	5		50
4-Chloroaniline	47		48		40-140	2		50
2-Nitroaniline	83		88		47-134	6		50

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 266-270 W. 96TH STREET

Lab Number: L2051747

Project Number: 170432001

Report Date: 11/29/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 Batch: WG1437167-2 WG1437167-3								
3-Nitroaniline	68		70		26-129	3		50
4-Nitroaniline	74		77		41-125	4		50
Dibenzofuran	70		74		40-140	6		50
2-Methylnaphthalene	70		73		40-140	4		50
1,2,4,5-Tetrachlorobenzene	76		80		40-117	5		50
Acetophenone	64		67		14-144	5		50
2,4,6-Trichlorophenol	80		85		30-130	6		50
p-Chloro-m-cresol	70		74		26-103	6		50
2-Chlorophenol	66		68		25-102	3		50
2,4-Dichlorophenol	74		78		30-130	5		50
2,4-Dimethylphenol	66		70		30-130	6		50
2-Nitrophenol	82		84		30-130	2		50
4-Nitrophenol	65		77		11-114	17		50
2,4-Dinitrophenol	64		69		4-130	8		50
4,6-Dinitro-o-cresol	90		95		10-130	5		50
Pentachlorophenol	68		76		17-109	11		50
Phenol	58		60		26-90	3		50
2-Methylphenol	66		68		30-130.	3		50
3-Methylphenol/4-Methylphenol	65		69		30-130	6		50
2,4,5-Trichlorophenol	80		86		30-130	7		50
Benzoic Acid	24		30		10-110	22		50
Benzyl Alcohol	60		62		40-140	3		50
Carbazole	69		73		54-128	6		50

### Lab Control Sample Analysis Batch Quality Control

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051747  
**Report Date:** 11/29/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 Batch: WG1437167-2 WG1437167-3								
1,4-Dioxane	52		50		40-140	4		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	63		64		25-120
Phenol-d6	65		67		10-120
Nitrobenzene-d5	66		67		23-120
2-Fluorobiphenyl	75		76		30-120
2,4,6-Tribromophenol	98		99		10-136
4-Terphenyl-d14	76		77		18-120

## Matrix Spike Analysis

### Batch Quality Control

**Project Name:** 266-270 W. 96TH STREET

**Lab Number:** L2051747

**Project Number:** 170432001

**Report Date:** 11/29/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG1437167-4 WG1437167-5 QC Sample: L2051747-01 Client ID: SB11_0-2												
Acenaphthene	ND	1480	1000	67		1000	67		31-137	0		50
1,2,4-Trichlorobenzene	ND	1480	1000	67		1000	67		38-107	0		50
Hexachlorobenzene	ND	1480	1200	81		1200	80		40-140	0		50
Bis(2-chloroethyl)ether	ND	1480	910	61		900	60		40-140	1		50
2-Chloronaphthalene	ND	1480	1100	74		1100	73		40-140	0		50
1,2-Dichlorobenzene	ND	1480	950	64		940	63		40-140	1		50
1,3-Dichlorobenzene	ND	1480	920	62		910	61		40-140	1		50
1,4-Dichlorobenzene	ND	1480	920	62		940	63		28-104	2		50
3,3'-Dichlorobenzidine	ND	1480	940	63		910	61		40-140	3		50
2,4-Dinitrotoluene	ND	1480	1300	88		1300	87		40-132	0		50
2,6-Dinitrotoluene	ND	1480	1400	94		1300	87		40-140	7		50
Fluoranthene	34J	1480	1100	74		1100	73		40-140	0		50
4-Chlorophenyl phenyl ether	ND	1480	1100	74		1100	73		40-140	0		50
4-Bromophenyl phenyl ether	ND	1480	1200	81		1100	73		40-140	9		50
Bis(2-chloroisopropyl)ether	ND	1480	820	55		810	54		40-140	1		50
Bis(2-chloroethoxy)methane	ND	1480	970	65		940	63		40-117	3		50
Hexachlorobutadiene	ND	1480	1100	74		1000	67		40-140	10		50
Hexachlorocyclopentadiene	ND	1480	980	66		890	59		40-140	10		50
Hexachloroethane	ND	1480	920	62		910	61		40-140	1		50
Isophorone	ND	1480	900	61		880	59		40-140	2		50
Naphthalene	ND	1480	1000	67		980	65		40-140	2		50
Nitrobenzene	ND	1480	980	66		960	64		40-140	2		50
NDPA/DPA	ND	1480	1100	74		1100	73		36-157	0		50

## Matrix Spike Analysis

*Batch Quality Control*

**Project Name:** 266-270 W. 96TH STREET

**Lab Number:** L2051747

**Project Number:** 170432001

**Report Date:** 11/29/20

<i>Parameter</i>	<i>Native Sample</i>	<i>MS Added</i>	<i>MS Found</i>	<i>MS %Recovery</i>	<i>Qual</i>	<i>MSD Found</i>	<i>MSD %Recovery</i>	<i>Qual</i>	<i>Recovery Limits</i>	<i>RPD</i>	<i>Qual</i>	<i>RPD Limits</i>
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG1437167-4 WG1437167-5 QC Sample: L2051747-01 Client ID: SB11_0-2												
n-Nitrosodi-n-propylamine	ND	1480	940	63		920	61		32-121	2		50
Bis(2-ethylhexyl)phthalate	ND	1480	1200	81		1100	73		40-140	9		50
Butyl benzyl phthalate	2300	1480	5700	230	Q	3600	87		40-140	45		50
Di-n-butylphthalate	ND	1480	1100	74		1000	67		40-140	10		50
Di-n-octylphthalate	ND	1480	1100	74		1000	67		40-140	10		50
Diethyl phthalate	ND	1480	1100	74		1000	67		40-140	10		50
Dimethyl phthalate	ND	1480	1200	81		1100	73		40-140	9		50
Benzo(a)anthracene	27J	1480	1000	67		1000	67		40-140	0		50
Benzo(a)pyrene	ND	1480	1200	81		1200	80		40-140	0		50
Benzo(b)fluoranthene	33J	1480	1100	74		1100	73		40-140	0		50
Benzo(k)fluoranthene	ND	1480	1100	74		1100	73		40-140	0		50
Chrysene	ND	1480	1000	67		1000	67		40-140	0		50
Acenaphthylene	ND	1480	1100	74		1000	67		40-140	10		50
Anthracene	ND	1480	1100	74		1000	67		40-140	10		50
Benzo(ghi)perylene	ND	1480	1100	74		1000	67		40-140	10		50
Fluorene	ND	1480	1100	74		1000	67		40-140	10		50
Phenanthrene	ND	1480	1100	74		1000	67		40-140	10		50
Dibenzo(a,h)anthracene	ND	1480	1100	74		1000	67		40-140	10		50
Indeno(1,2,3-cd)pyrene	ND	1480	1000	67		1000	67		40-140	0		50
Pyrene	34J	1480	1100	74		1100	73		35-142	0		50
Biphenyl	ND	1480	1100	74		1100	73		37-127	0		50
4-Chloroaniline	ND	1480	620	42		560	37	Q	40-140	10		50
2-Nitroaniline	ND	1480	1300	88		1200	80		47-134	8		50



## Matrix Spike Analysis

### Batch Quality Control

**Project Name:** 266-270 W. 96TH STREET

**Lab Number:** L2051747

**Project Number:** 170432001

**Report Date:** 11/29/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG1437167-4 WG1437167-5 QC Sample: L2051747-01 Client ID: SB11_0-2												
3-Nitroaniline	ND	1480	950	64		950	63		26-129	0		50
4-Nitroaniline	ND	1480	1000	67		1000	67		41-125	0		50
Dibenzofuran	ND	1480	1100	74		1000	67		40-140	10		50
2-Methylnaphthalene	ND	1480	1100	74		1000	67		40-140	10		50
1,2,4,5-Tetrachlorobenzene	ND	1480	1200	81		1100	73		40-117	9		50
Acetophenone	ND	1480	990	67		980	65		14-144	1		50
2,4,6-Trichlorophenol	ND	1480	1300	88		1200	80		30-130	8		50
p-Chloro-m-cresol	ND	1480	1100	74		1000	67		26-103	10		50
2-Chlorophenol	ND	1480	990	67		990	66		25-102	0		50
2,4-Dichlorophenol	ND	1480	1100	74		1100	73		30-130	0		50
2,4-Dimethylphenol	ND	1480	1000	67		980	65		30-130	2		50
2-Nitrophenol	ND	1480	1300	88		1200	80		30-130	8		50
4-Nitrophenol	ND	1480	1100	74		1100	73		11-114	0		50
2,4-Dinitrophenol	ND	1480	970	65		1000	67		4-130	3		50
4,6-Dinitro-o-cresol	ND	1480	1300	88		1300	87		10-130	0		50
Pentachlorophenol	ND	1480	1300	88		1300	87		17-109	0		50
Phenol	ND	1480	870	59		850	57		26-90	2		50
2-Methylphenol	ND	1480	970	65		960	64		30-130.	1		50
3-Methylphenol/4-Methylphenol	ND	1480	990	67		980	65		30-130	1		50
2,4,5-Trichlorophenol	ND	1480	1300	88		1200	80		30-130	8		50
Benzoic Acid	ND	1480	460J	31		510J	34		10-110	10		50
Benzyl Alcohol	ND	1480	950	64		910	61		40-140	4		50
Carbazole	ND	1480	1100	74		1000	67		54-128	10		50

## Matrix Spike Analysis

*Batch Quality Control*

**Project Name:** 266-270 W. 96TH STREET

**Lab Number:** L2051747

**Project Number:** 170432001

**Report Date:** 11/29/20

<i>Parameter</i>	<i>Native Sample</i>	<i>MS Added</i>	<i>MS Found</i>	<i>MS %Recovery</i>	<i>Qual</i>	<i>MSD Found</i>	<i>MSD %Recovery</i>	<i>Qual</i>	<i>Recovery Limits</i>	<i>RPD</i>	<i>Qual</i>	<i>RPD Limits</i>
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG1437167-4 WG1437167-5 QC Sample: L2051747-01 Client ID: SB11_0-2												
1,4-Dioxane	ND	1480	730	49		750	50		40-140	3		50

<i>Surrogate</i>	<i>MS</i>		<i>MSD</i>		<i>Acceptance Criteria</i>
	<i>% Recovery</i>	<i>Qualifier</i>	<i>% Recovery</i>	<i>Qualifier</i>	
2,4,6-Tribromophenol	101		101		10-136
2-Fluorobiphenyl	74		70		30-120
2-Fluorophenol	63		63		25-120
4-Terphenyl-d14	70		70		18-120
Nitrobenzene-d5	66		67		23-120
Phenol-d6	65		65		10-120

## Matrix Spike Analysis

*Batch Quality Control*

**Project Name:** 266-270 W. 96TH STREET

**Lab Number:** L2051747

**Project Number:** 170432001

**Report Date:** 11/29/20

<i>Parameter</i>	<i>Native Sample</i>	<i>MS Added</i>	<i>MS Found</i>	<i>MS %Recovery</i>	<i>Qual</i>	<i>MSD Found</i>	<i>MSD %Recovery</i>	<i>Qual</i>	<i>Recovery Limits</i>	<i>RPD</i>	<i>Qual</i>	<i>RPD Limits</i>
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG1437167-6 WG1437167-7 QC Sample: L2051747-05 Client ID: SB10_3.5-5												
Acenaphthene	ND	1520	1100	73		1000	67		31-137	10		50
1,2,4-Trichlorobenzene	ND	1520	1100	73		1000	67		38-107	10		50
Hexachlorobenzene	ND	1520	1400	92		1200	80		40-140	15		50
Bis(2-chloroethyl)ether	ND	1520	940	62		910	61		40-140	3		50
2-Chloronaphthalene	ND	1520	1200	79		1100	74		40-140	9		50
1,2-Dichlorobenzene	ND	1520	980	65		980	66		40-140	0		50
1,3-Dichlorobenzene	ND	1520	940	62		930	62		40-140	1		50
1,4-Dichlorobenzene	ND	1520	950	63		940	63		28-104	1		50
3,3'-Dichlorobenzidine	ND	1520	980	65		930	62		40-140	5		50
2,4-Dinitrotoluene	ND	1520	1500	99		1400	94		40-132	7		50
2,6-Dinitrotoluene	ND	1520	1400	92		1400	94		40-140	0		50
Fluoranthene	ND	1520	1200	79		1200	80		40-140	0		50
4-Chlorophenyl phenyl ether	ND	1520	1200	79		1100	74		40-140	9		50
4-Bromophenyl phenyl ether	ND	1520	1300	86		1200	80		40-140	8		50
Bis(2-chloroisopropyl)ether	ND	1520	850	56		820	55		40-140	4		50
Bis(2-chloroethoxy)methane	ND	1520	1000	66		950	64		40-117	5		50
Hexachlorobutadiene	ND	1520	1100	73		1100	74		40-140	0		50
Hexachlorocyclopentadiene	ND	1520	1000	66		960	64		40-140	4		50
Hexachloroethane	ND	1520	940	62		910	61		40-140	3		50
Isophorone	ND	1520	950	63		880	59		40-140	8		50
Naphthalene	ND	1520	1100	73		1000	67		40-140	10		50
Nitrobenzene	ND	1520	1000	66		970	65		40-140	3		50
NDPA/DPA	ND	1520	1200	79		1100	74		36-157	9		50

## Matrix Spike Analysis

### Batch Quality Control

**Project Name:** 266-270 W. 96TH STREET

**Lab Number:** L2051747

**Project Number:** 170432001

**Report Date:** 11/29/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG1437167-6 WG1437167-7 QC Sample: L2051747-05 Client ID: SB10_3.5-5												
n-Nitrosodi-n-propylamine	ND	1520	970	64		920	62		32-121	5		50
Bis(2-ethylhexyl)phthalate	120J	1520	1200	79		1000	67		40-140	18		50
Butyl benzyl phthalate	2600	1520	3100	33	Q	4500	130		40-140	37		50
Di-n-butylphthalate	ND	1520	1200	79		1000	67		40-140	18		50
Di-n-octylphthalate	ND	1520	1100	73		1000	67		40-140	10		50
Diethyl phthalate	ND	1520	1100	73		1100	74		40-140	0		50
Dimethyl phthalate	ND	1520	1200	79		1100	74		40-140	9		50
Benzo(a)anthracene	ND	1520	1100	73		1000	67		40-140	10		50
Benzo(a)pyrene	ND	1520	1300	86		1200	80		40-140	8		50
Benzo(b)fluoranthene	ND	1520	1200	79		1100	74		40-140	9		50
Benzo(k)fluoranthene	ND	1520	1300	86		1100	74		40-140	17		50
Chrysene	ND	1520	1200	79		1000	67		40-140	18		50
Acenaphthylene	ND	1520	1100	73		1100	74		40-140	0		50
Anthracene	ND	1520	1200	79		1000	67		40-140	18		50
Benzo(ghi)perylene	ND	1520	1200	79		1000	67		40-140	18		50
Fluorene	ND	1520	1200	79		1100	74		40-140	9		50
Phenanthrene	ND	1520	1200	79		1100	74		40-140	9		50
Dibenzo(a,h)anthracene	ND	1520	1200	79		1000	67		40-140	18		50
Indeno(1,2,3-cd)pyrene	ND	1520	1100	73		1100	74		40-140	0		50
Pyrene	ND	1520	1200	79		1100	74		35-142	9		50
Biphenyl	ND	1520	1200	79		1100	74		37-127	9		50
4-Chloroaniline	ND	1520	710	47		720	48		40-140	1		50
2-Nitroaniline	ND	1520	1400	92		1300	87		47-134	7		50

## Matrix Spike Analysis

### Batch Quality Control

**Project Name:** 266-270 W. 96TH STREET

**Project Number:** 170432001

**Lab Number:** L2051747

**Report Date:** 11/29/20

<b>Parameter</b>	<b>Native Sample</b>	<b>MS Added</b>	<b>MS Found</b>	<b>MS %Recovery</b>	<b>Qual</b>	<b>MSD Found</b>	<b>MSD %Recovery</b>	<b>Qual</b>	<b>Recovery Limits</b>	<b>RPD</b>	<b>Qual</b>	<b>RPD Limits</b>
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG1437167-6 WG1437167-7 QC Sample: L2051747-05 Client ID: SB10_3.5-5												
3-Nitroaniline	ND	1520	1100	73		1100	74		26-129	0		50
4-Nitroaniline	ND	1520	1200	79		1100	74		41-125	9		50
Dibenzofuran	ND	1520	1200	79		1100	74		40-140	9		50
2-Methylnaphthalene	ND	1520	1200	79		1100	74		40-140	9		50
1,2,4,5-Tetrachlorobenzene	ND	1520	1200	79		1200	80		40-117	0		50
Acetophenone	ND	1520	1000	66		990	66		14-144	1		50
2,4,6-Trichlorophenol	ND	1520	1300	86		1200	80		30-130	8		50
p-Chloro-m-cresol	ND	1520	1200	79		1000	67		26-103	18		50
2-Chlorophenol	ND	1520	1000	66		990	66		25-102	1		50
2,4-Dichlorophenol	ND	1520	1200	79		1100	74		30-130	9		50
2,4-Dimethylphenol	ND	1520	970	64		860	58		30-130	12		50
2-Nitrophenol	ND	1520	1300	86		1300	87		30-130	0		50
4-Nitrophenol	ND	1520	1300	86		1200	80		11-114	8		50
2,4-Dinitrophenol	ND	1520	1200	79		1300	87		4-130	8		50
4,6-Dinitro-o-cresol	ND	1520	1500	99		1400	94		10-130	7		50
Pentachlorophenol	ND	1520	1400	92		1400	94		17-109	0		50
Phenol	ND	1520	920	61		860	58		26-90	7		50
2-Methylphenol	ND	1520	1000	66		940	63		30-130	6		50
3-Methylphenol/4-Methylphenol	ND	1520	1000	66		960	64		30-130	4		50
2,4,5-Trichlorophenol	ND	1520	1400	92		1300	87		30-130	7		50
Benzoic Acid	ND	1520	560J	37		550J	37		10-110	2		50
Benzyl Alcohol	ND	1520	1000	66		940	63		40-140	6		50
Carbazole	ND	1520	1200	79		1100	74		54-128	9		50

## Matrix Spike Analysis

*Batch Quality Control*

**Project Name:** 266-270 W. 96TH STREET

**Lab Number:** L2051747

**Project Number:** 170432001

**Report Date:** 11/29/20

<i>Parameter</i>	<i>Native Sample</i>	<i>MS Added</i>	<i>MS Found</i>	<i>MS %Recovery</i>	<i>Qual</i>	<i>MSD Found</i>	<i>MSD %Recovery</i>	<i>Qual</i>	<i>Recovery Limits</i>	<i>RPD</i>	<i>Qual</i>	<i>RPD Limits</i>
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG1437167-6 WG1437167-7 QC Sample: L2051747-05 Client ID: SB10_3.5-5												
1,4-Dioxane	ND	1520	720	48		780	52		40-140	8		50

<i>Surrogate</i>	<i>MS</i>		<i>MSD</i>		<i>Acceptance Criteria</i>
	<i>% Recovery</i>	<i>Qualifier</i>	<i>% Recovery</i>	<i>Qualifier</i>	
2,4,6-Tribromophenol	106		99		10-136
2-Fluorobiphenyl	77		74		30-120
2-Fluorophenol	63		63		25-120
4-Terphenyl-d14	77		70		18-120
Nitrobenzene-d5	68		66		23-120
Phenol-d6	67		64		10-120

# PCBS

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051747  
**Report Date:** 11/29/20

**SAMPLE RESULTS**

**Lab ID:** L2051747-01  
**Client ID:** SB11\_0-2  
**Sample Location:** NEW YORK, NEW YORK

**Date Collected:** 11/19/20 10:45  
**Date Received:** 11/19/20  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8082A  
**Analytical Date:** 11/23/20 12:44  
**Analyst:** JM  
**Percent Solids:** 88%

**Extraction Method:** EPA 3546  
**Extraction Date:** 11/21/20 19:15  
**Cleanup Method:** EPA 3665A  
**Cleanup Date:** 11/23/20  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 11/23/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Polychlorinated Biphenyls by GC - Westborough Lab</b>							
Aroclor 1016	ND		ug/kg	36.6	3.24	1	A
Aroclor 1221	ND		ug/kg	36.6	3.66	1	A
Aroclor 1232	ND		ug/kg	36.6	7.75	1	A
Aroclor 1242	ND		ug/kg	36.6	4.93	1	A
Aroclor 1248	ND		ug/kg	36.6	5.48	1	A
Aroclor 1254	ND		ug/kg	36.6	4.00	1	A
Aroclor 1260	ND		ug/kg	36.6	6.75	1	A
Aroclor 1262	ND		ug/kg	36.6	4.64	1	A
Aroclor 1268	ND		ug/kg	36.6	3.79	1	A
PCBs, Total	ND		ug/kg	36.6	3.24	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	48		30-150	A
Decachlorobiphenyl	44		30-150	A
2,4,5,6-Tetrachloro-m-xylene	53		30-150	B
Decachlorobiphenyl	44		30-150	B



**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051747  
**Report Date:** 11/29/20

**SAMPLE RESULTS**

**Lab ID:** L2051747-02  
**Client ID:** SB11\_4-5  
**Sample Location:** NEW YORK, NEW YORK

**Date Collected:** 11/19/20 11:05  
**Date Received:** 11/19/20  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8082A  
**Analytical Date:** 11/23/20 11:59  
**Analyst:** JM  
**Percent Solids:** 86%

**Extraction Method:** EPA 3546  
**Extraction Date:** 11/21/20 19:15  
**Cleanup Method:** EPA 3665A  
**Cleanup Date:** 11/23/20  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 11/23/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Polychlorinated Biphenyls by GC - Westborough Lab</b>							
Aroclor 1016	ND		ug/kg	36.8	3.27	1	A
Aroclor 1221	ND		ug/kg	36.8	3.69	1	A
Aroclor 1232	ND		ug/kg	36.8	7.80	1	A
Aroclor 1242	ND		ug/kg	36.8	4.96	1	A
Aroclor 1248	ND		ug/kg	36.8	5.52	1	A
Aroclor 1254	ND		ug/kg	36.8	4.03	1	A
Aroclor 1260	ND		ug/kg	36.8	6.80	1	A
Aroclor 1262	ND		ug/kg	36.8	4.68	1	A
Aroclor 1268	ND		ug/kg	36.8	3.81	1	A
PCBs, Total	ND		ug/kg	36.8	3.27	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	52		30-150	A
Decachlorobiphenyl	48		30-150	A
2,4,5,6-Tetrachloro-m-xylene	57		30-150	B
Decachlorobiphenyl	52		30-150	B

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051747  
**Report Date:** 11/29/20

**SAMPLE RESULTS**

**Lab ID:** L2051747-03  
**Client ID:** SB11\_5-6  
**Sample Location:** NEW YORK, NEW YORK

**Date Collected:** 11/19/20 11:30  
**Date Received:** 11/19/20  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8082A  
**Analytical Date:** 11/23/20 12:07  
**Analyst:** JM  
**Percent Solids:** 86%

**Extraction Method:** EPA 3546  
**Extraction Date:** 11/21/20 19:15  
**Cleanup Method:** EPA 3665A  
**Cleanup Date:** 11/23/20  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 11/23/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Polychlorinated Biphenyls by GC - Westborough Lab</b>							
Aroclor 1016	ND		ug/kg	37.8	3.35	1	A
Aroclor 1221	ND		ug/kg	37.8	3.78	1	A
Aroclor 1232	ND		ug/kg	37.8	8.00	1	A
Aroclor 1242	ND		ug/kg	37.8	5.09	1	A
Aroclor 1248	ND		ug/kg	37.8	5.66	1	A
Aroclor 1254	ND		ug/kg	37.8	4.13	1	A
Aroclor 1260	ND		ug/kg	37.8	6.98	1	A
Aroclor 1262	ND		ug/kg	37.8	4.80	1	A
Aroclor 1268	ND		ug/kg	37.8	3.91	1	A
PCBs, Total	ND		ug/kg	37.8	3.35	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	50		30-150	A
Decachlorobiphenyl	40		30-150	A
2,4,5,6-Tetrachloro-m-xylene	54		30-150	B
Decachlorobiphenyl	42		30-150	B

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051747  
**Report Date:** 11/29/20

**SAMPLE RESULTS**

**Lab ID:** L2051747-04  
**Client ID:** SB10\_0-2  
**Sample Location:** NEW YORK, NEW YORK

**Date Collected:** 11/19/20 12:30  
**Date Received:** 11/19/20  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8082A  
**Analytical Date:** 11/23/20 12:14  
**Analyst:** JM  
**Percent Solids:** 89%

**Extraction Method:** EPA 3546  
**Extraction Date:** 11/21/20 19:15  
**Cleanup Method:** EPA 3665A  
**Cleanup Date:** 11/23/20  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 11/23/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Polychlorinated Biphenyls by GC - Westborough Lab</b>							
Aroclor 1016	ND		ug/kg	35.6	3.16	1	A
Aroclor 1221	ND		ug/kg	35.6	3.57	1	A
Aroclor 1232	ND		ug/kg	35.6	7.56	1	A
Aroclor 1242	ND		ug/kg	35.6	4.80	1	A
Aroclor 1248	ND		ug/kg	35.6	5.35	1	A
Aroclor 1254	ND		ug/kg	35.6	3.90	1	A
Aroclor 1260	ND		ug/kg	35.6	6.59	1	A
Aroclor 1262	ND		ug/kg	35.6	4.53	1	A
Aroclor 1268	ND		ug/kg	35.6	3.69	1	A
PCBs, Total	ND		ug/kg	35.6	3.16	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	53		30-150	A
Decachlorobiphenyl	46		30-150	A
2,4,5,6-Tetrachloro-m-xylene	56		30-150	B
Decachlorobiphenyl	47		30-150	B

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051747  
**Report Date:** 11/29/20

**SAMPLE RESULTS**

**Lab ID:** L2051747-05  
**Client ID:** SB10\_3.5-5  
**Sample Location:** NEW YORK, NEW YORK

**Date Collected:** 11/19/20 12:40  
**Date Received:** 11/19/20  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8082A  
**Analytical Date:** 11/23/20 13:06  
**Analyst:** JM  
**Percent Solids:** 88%

**Extraction Method:** EPA 3546  
**Extraction Date:** 11/21/20 19:15  
**Cleanup Method:** EPA 3665A  
**Cleanup Date:** 11/23/20  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 11/23/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Polychlorinated Biphenyls by GC - Westborough Lab</b>							
Aroclor 1016	ND		ug/kg	36.8	3.27	1	A
Aroclor 1221	ND		ug/kg	36.8	3.68	1	A
Aroclor 1232	ND		ug/kg	36.8	7.80	1	A
Aroclor 1242	ND		ug/kg	36.8	4.96	1	A
Aroclor 1248	ND		ug/kg	36.8	5.52	1	A
Aroclor 1254	ND		ug/kg	36.8	4.02	1	A
Aroclor 1260	ND		ug/kg	36.8	6.80	1	A
Aroclor 1262	ND		ug/kg	36.8	4.67	1	A
Aroclor 1268	ND		ug/kg	36.8	3.81	1	A
PCBs, Total	ND		ug/kg	36.8	3.27	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	49		30-150	A
Decachlorobiphenyl	43		30-150	A
2,4,5,6-Tetrachloro-m-xylene	53		30-150	B
Decachlorobiphenyl	44		30-150	B

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051747  
**Report Date:** 11/29/20

**SAMPLE RESULTS**

**Lab ID:** L2051747-06  
**Client ID:** SB09\_0-2  
**Sample Location:** NEW YORK, NEW YORK

**Date Collected:** 11/19/20 14:00  
**Date Received:** 11/19/20  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8082A  
**Analytical Date:** 11/24/20 00:00  
**Analyst:** CW  
**Percent Solids:** 86%

**Extraction Method:** EPA 3546  
**Extraction Date:** 11/21/20 19:15  
**Cleanup Method:** EPA 3665A  
**Cleanup Date:** 11/23/20  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 11/23/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Polychlorinated Biphenyls by GC - Westborough Lab</b>							
Aroclor 1016	ND		ug/kg	36.9	3.28	1	A
Aroclor 1221	ND		ug/kg	36.9	3.70	1	A
Aroclor 1232	ND		ug/kg	36.9	7.83	1	A
Aroclor 1242	ND		ug/kg	36.9	4.98	1	A
Aroclor 1248	ND		ug/kg	36.9	5.54	1	A
Aroclor 1254	ND		ug/kg	36.9	4.04	1	A
Aroclor 1260	ND		ug/kg	36.9	6.82	1	A
Aroclor 1262	ND		ug/kg	36.9	4.69	1	A
Aroclor 1268	ND		ug/kg	36.9	3.82	1	A
PCBs, Total	ND		ug/kg	36.9	3.28	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	35		30-150	A
Decachlorobiphenyl	34		30-150	A
2,4,5,6-Tetrachloro-m-xylene	35		30-150	B
Decachlorobiphenyl	38		30-150	B

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051747  
**Report Date:** 11/29/20

**SAMPLE RESULTS**

**Lab ID:** L2051747-07  
**Client ID:** SB09\_4-6  
**Sample Location:** NEW YORK, NEW YORK

**Date Collected:** 11/19/20 14:15  
**Date Received:** 11/19/20  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8082A  
**Analytical Date:** 11/23/20 12:29  
**Analyst:** JM  
**Percent Solids:** 82%

**Extraction Method:** EPA 3546  
**Extraction Date:** 11/21/20 19:15  
**Cleanup Method:** EPA 3665A  
**Cleanup Date:** 11/23/20  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 11/23/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Polychlorinated Biphenyls by GC - Westborough Lab</b>							
Aroclor 1016	ND		ug/kg	39.7	3.53	1	A
Aroclor 1221	ND		ug/kg	39.7	3.98	1	A
Aroclor 1232	ND		ug/kg	39.7	8.42	1	A
Aroclor 1242	ND		ug/kg	39.7	5.36	1	A
Aroclor 1248	ND		ug/kg	39.7	5.96	1	A
Aroclor 1254	ND		ug/kg	39.7	4.35	1	A
Aroclor 1260	ND		ug/kg	39.7	7.34	1	A
Aroclor 1262	ND		ug/kg	39.7	5.05	1	A
Aroclor 1268	ND		ug/kg	39.7	4.12	1	A
PCBs, Total	ND		ug/kg	39.7	3.53	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	56		30-150	A
Decachlorobiphenyl	51		30-150	A
2,4,5,6-Tetrachloro-m-xylene	64		30-150	B
Decachlorobiphenyl	52		30-150	B

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051747  
**Report Date:** 11/29/20

**SAMPLE RESULTS**

**Lab ID:** L2051747-08  
**Client ID:** DUP02\_11192020  
**Sample Location:** NEW YORK, NEW YORK

**Date Collected:** 11/19/20 00:00  
**Date Received:** 11/19/20  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8082A  
**Analytical Date:** 11/23/20 12:37  
**Analyst:** JM  
**Percent Solids:** 89%

**Extraction Method:** EPA 3546  
**Extraction Date:** 11/21/20 19:15  
**Cleanup Method:** EPA 3665A  
**Cleanup Date:** 11/23/20  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 11/23/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Polychlorinated Biphenyls by GC - Westborough Lab</b>							
Aroclor 1016	ND		ug/kg	36.6	3.24	1	A
Aroclor 1221	ND		ug/kg	36.6	3.66	1	A
Aroclor 1232	ND		ug/kg	36.6	7.75	1	A
Aroclor 1242	ND		ug/kg	36.6	4.93	1	A
Aroclor 1248	ND		ug/kg	36.6	5.48	1	A
Aroclor 1254	ND		ug/kg	36.6	4.00	1	A
Aroclor 1260	ND		ug/kg	36.6	6.75	1	A
Aroclor 1262	ND		ug/kg	36.6	4.64	1	A
Aroclor 1268	ND		ug/kg	36.6	3.79	1	A
PCBs, Total	ND		ug/kg	36.6	3.24	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	59		30-150	A
Decachlorobiphenyl	53		30-150	A
2,4,5,6-Tetrachloro-m-xylene	65		30-150	B
Decachlorobiphenyl	52		30-150	B

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051747  
**Report Date:** 11/29/20

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 1,8082A  
Analytical Date: 11/23/20 10:58  
Analyst: JM

Extraction Method: EPA 3546  
Extraction Date: 11/21/20 19:09  
Cleanup Method: EPA 3665A  
Cleanup Date: 11/23/20  
Cleanup Method: EPA 3660B  
Cleanup Date: 11/23/20

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-08 Batch: WG1437134-1						
Aroclor 1016	ND		ug/kg	31.8	2.83	A
Aroclor 1221	ND		ug/kg	31.8	3.19	A
Aroclor 1232	ND		ug/kg	31.8	6.75	A
Aroclor 1242	ND		ug/kg	31.8	4.29	A
Aroclor 1248	ND		ug/kg	31.8	4.77	A
Aroclor 1254	ND		ug/kg	31.8	3.48	A
Aroclor 1260	ND		ug/kg	31.8	5.88	A
Aroclor 1262	ND		ug/kg	31.8	4.04	A
Aroclor 1268	ND		ug/kg	31.8	3.30	A
PCBs, Total	ND		ug/kg	31.8	2.83	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	63		30-150	A
Decachlorobiphenyl	66		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	69		30-150	B



### Lab Control Sample Analysis Batch Quality Control

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051747  
**Report Date:** 11/29/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-08 Batch: WG1437134-2 WG1437134-3									
Aroclor 1016	89		42		40-140	72	Q	50	A
Aroclor 1260	90		43		40-140	71	Q	50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	65		30		30-150	A
Decachlorobiphenyl	86		39		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		32		30-150	B
Decachlorobiphenyl	76		37		30-150	B

## Matrix Spike Analysis

*Batch Quality Control*

**Project Name:** 266-270 W. 96TH STREET

**Lab Number:** L2051747

**Project Number:** 170432001

**Report Date:** 11/29/20

<b>Parameter</b>	<b>Native Sample</b>	<b>MS Added</b>	<b>MS Found</b>	<b>MS %Recovery</b>	<b>Qual</b>	<b>MSD Found</b>	<b>MSD %Recovery</b>	<b>Qual</b>	<b>Recovery Limits</b>	<b>RPD</b>	<b>Qual</b>	<b>RPD Limits</b>	<b>Column</b>
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG1437134-4 WG1437134-5 QC Sample: L2051747-01 Client ID: SB11_0-2													
Aroclor 1016	ND	224	154	69		134	58		40-140	14		50	A
Aroclor 1260	ND	224	142	63		125	55		40-140	13		50	A

<b>Surrogate</b>	<b>MS</b>		<b>MSD</b>		<b>Acceptance Criteria</b>	<b>Column</b>
	<b>% Recovery</b>	<b>Qualifier</b>	<b>% Recovery</b>	<b>Qualifier</b>		
2,4,5,6-Tetrachloro-m-xylene	55		45		30-150	A
Decachlorobiphenyl	47		41		30-150	A
2,4,5,6-Tetrachloro-m-xylene	59		49		30-150	B
Decachlorobiphenyl	47		40		30-150	B

## Matrix Spike Analysis

*Batch Quality Control*

**Project Name:** 266-270 W. 96TH STREET

**Lab Number:** L2051747

**Project Number:** 170432001

**Report Date:** 11/29/20

<b>Parameter</b>	<b>Native Sample</b>	<b>MS Added</b>	<b>MS Found</b>	<b>MS %Recovery</b>	<b>Qual</b>	<b>MSD Found</b>	<b>MSD %Recovery</b>	<b>Qual</b>	<b>Recovery Limits</b>	<b>RPD</b>	<b>Qual</b>	<b>RPD Limits</b>	<b>Column</b>
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG1437134-6 WG1437134-7 QC Sample: L2051747-05 Client ID: SB10_3.5-5													
Aroclor 1016	ND	225	159	71		164	72		40-140	3		50	A
Aroclor 1260	ND	225	151	67		158	69		40-140	5		50	A

<b>Surrogate</b>	<b>MS</b>		<b>MSD</b>		<b>Acceptance Criteria</b>	<b>Column</b>
	<b>% Recovery</b>	<b>Qualifier</b>	<b>% Recovery</b>	<b>Qualifier</b>		
2,4,5,6-Tetrachloro-m-xylene	55		56		30-150	A
Decachlorobiphenyl	48		49		30-150	A
2,4,5,6-Tetrachloro-m-xylene	61		63		30-150	B
Decachlorobiphenyl	50		50		30-150	B

# PESTICIDES

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051747  
**Report Date:** 11/29/20

**SAMPLE RESULTS**

**Lab ID:** L2051747-01  
**Client ID:** SB11\_0-2  
**Sample Location:** NEW YORK, NEW YORK

**Date Collected:** 11/19/20 10:45  
**Date Received:** 11/19/20  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8081B  
**Analytical Date:** 11/23/20 22:44  
**Analyst:** EJL  
**Percent Solids:** 88%

**Extraction Method:** EPA 3546  
**Extraction Date:** 11/22/20 00:42  
**Cleanup Method:** EPA 3620B  
**Cleanup Date:** 11/22/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Organochlorine Pesticides by GC - Westborough Lab</b>							
Delta-BHC	ND		ug/kg	1.80	0.352	1	A
Lindane	ND		ug/kg	0.748	0.334	1	A
Alpha-BHC	ND		ug/kg	0.748	0.212	1	A
Beta-BHC	ND		ug/kg	1.80	0.681	1	A
Heptachlor	ND		ug/kg	0.898	0.403	1	A
Aldrin	ND		ug/kg	1.80	0.632	1	A
Heptachlor epoxide	ND		ug/kg	3.37	1.01	1	A
Endrin	ND		ug/kg	0.748	0.307	1	A
Endrin aldehyde	ND		ug/kg	2.24	0.786	1	A
Endrin ketone	ND		ug/kg	1.80	0.462	1	A
Dieldrin	ND		ug/kg	1.12	0.561	1	A
4,4'-DDE	ND		ug/kg	1.80	0.415	1	A
4,4'-DDD	ND		ug/kg	1.80	0.641	1	A
4,4'-DDT	ND		ug/kg	3.37	1.44	1	A
Endosulfan I	ND		ug/kg	1.80	0.424	1	A
Endosulfan II	ND		ug/kg	1.80	0.600	1	A
Endosulfan sulfate	ND		ug/kg	0.748	0.356	1	A
Methoxychlor	ND		ug/kg	3.37	1.05	1	A
Toxaphene	ND		ug/kg	33.7	9.43	1	A
cis-Chlordane	ND		ug/kg	2.24	0.626	1	A
trans-Chlordane	ND		ug/kg	2.24	0.593	1	A
Chlordane	ND		ug/kg	15.0	5.95	1	A

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051747  
**Report Date:** 11/29/20

**SAMPLE RESULTS**

Lab ID: L2051747-01  
 Client ID: SB11\_0-2  
 Sample Location: NEW YORK, NEW YORK

Date Collected: 11/19/20 10:45  
 Date Received: 11/19/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	59		30-150	A
Decachlorobiphenyl	89		30-150	A
2,4,5,6-Tetrachloro-m-xylene	62		30-150	B
Decachlorobiphenyl	65		30-150	B

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051747  
**Report Date:** 11/29/20

**SAMPLE RESULTS**

**Lab ID:** L2051747-02  
**Client ID:** SB11\_4-5  
**Sample Location:** NEW YORK, NEW YORK

**Date Collected:** 11/19/20 11:05  
**Date Received:** 11/19/20  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8081B  
**Analytical Date:** 11/24/20 01:16  
**Analyst:** EJL  
**Percent Solids:** 86%

**Extraction Method:** EPA 3546  
**Extraction Date:** 11/22/20 00:42  
**Cleanup Method:** EPA 3620B  
**Cleanup Date:** 11/22/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Organochlorine Pesticides by GC - Westborough Lab</b>							
Delta-BHC	ND		ug/kg	1.83	0.358	1	A
Lindane	ND		ug/kg	0.762	0.341	1	A
Alpha-BHC	ND		ug/kg	0.762	0.216	1	A
Beta-BHC	ND		ug/kg	1.83	0.693	1	A
Heptachlor	ND		ug/kg	0.914	0.410	1	A
Aldrin	ND		ug/kg	1.83	0.644	1	A
Heptachlor epoxide	ND		ug/kg	3.43	1.03	1	A
Endrin	ND		ug/kg	0.762	0.312	1	A
Endrin aldehyde	ND		ug/kg	2.28	0.800	1	A
Endrin ketone	ND		ug/kg	1.83	0.471	1	A
Dieldrin	ND		ug/kg	1.14	0.571	1	A
4,4'-DDE	ND		ug/kg	1.83	0.423	1	A
4,4'-DDD	ND		ug/kg	1.83	0.652	1	A
4,4'-DDT	ND		ug/kg	3.43	1.47	1	A
Endosulfan I	ND		ug/kg	1.83	0.432	1	A
Endosulfan II	ND		ug/kg	1.83	0.611	1	A
Endosulfan sulfate	ND		ug/kg	0.762	0.363	1	A
Methoxychlor	ND		ug/kg	3.43	1.07	1	A
Toxaphene	ND		ug/kg	34.3	9.60	1	A
cis-Chlordane	ND		ug/kg	2.28	0.637	1	A
trans-Chlordane	ND		ug/kg	2.28	0.603	1	A
Chlordane	ND		ug/kg	15.2	6.06	1	A

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051747  
**Report Date:** 11/29/20

**SAMPLE RESULTS**

**Lab ID:** L2051747-02  
**Client ID:** SB11\_4-5  
**Sample Location:** NEW YORK, NEW YORK

**Date Collected:** 11/19/20 11:05  
**Date Received:** 11/19/20  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	82		30-150	A
Decachlorobiphenyl	84		30-150	A
2,4,5,6-Tetrachloro-m-xylene	92		30-150	B
Decachlorobiphenyl	69		30-150	B



**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051747  
**Report Date:** 11/29/20

**SAMPLE RESULTS**

**Lab ID:** L2051747-03  
**Client ID:** SB11\_5-6  
**Sample Location:** NEW YORK, NEW YORK

**Date Collected:** 11/19/20 11:30  
**Date Received:** 11/19/20  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8081B  
**Analytical Date:** 11/24/20 01:26  
**Analyst:** EJL  
**Percent Solids:** 86%

**Extraction Method:** EPA 3546  
**Extraction Date:** 11/22/20 00:42  
**Cleanup Method:** EPA 3620B  
**Cleanup Date:** 11/22/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Organochlorine Pesticides by GC - Westborough Lab</b>							
Delta-BHC	ND		ug/kg	1.82	0.356	1	A
Lindane	ND		ug/kg	0.757	0.338	1	A
Alpha-BHC	ND		ug/kg	0.757	0.215	1	A
Beta-BHC	ND		ug/kg	1.82	0.689	1	A
Heptachlor	ND		ug/kg	0.908	0.407	1	A
Aldrin	ND		ug/kg	1.82	0.640	1	A
Heptachlor epoxide	ND		ug/kg	3.41	1.02	1	A
Endrin	ND		ug/kg	0.757	0.310	1	A
Endrin aldehyde	ND		ug/kg	2.27	0.795	1	A
Endrin ketone	ND		ug/kg	1.82	0.468	1	A
Dieldrin	ND		ug/kg	1.14	0.568	1	A
4,4'-DDE	ND		ug/kg	1.82	0.420	1	A
4,4'-DDD	ND		ug/kg	1.82	0.648	1	A
4,4'-DDT	ND		ug/kg	3.41	1.46	1	A
Endosulfan I	ND		ug/kg	1.82	0.429	1	A
Endosulfan II	ND		ug/kg	1.82	0.607	1	A
Endosulfan sulfate	ND		ug/kg	0.757	0.360	1	A
Methoxychlor	ND		ug/kg	3.41	1.06	1	A
Toxaphene	ND		ug/kg	34.1	9.54	1	A
cis-Chlordane	ND		ug/kg	2.27	0.633	1	A
trans-Chlordane	ND		ug/kg	2.27	0.600	1	A
Chlordane	ND		ug/kg	15.1	6.02	1	A

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051747  
**Report Date:** 11/29/20

**SAMPLE RESULTS**

**Lab ID:** L2051747-03  
**Client ID:** SB11\_5-6  
**Sample Location:** NEW YORK, NEW YORK

**Date Collected:** 11/19/20 11:30  
**Date Received:** 11/19/20  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		30-150	A
Decachlorobiphenyl	72		30-150	A
2,4,5,6-Tetrachloro-m-xylene	83		30-150	B
Decachlorobiphenyl	55		30-150	B

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051747  
**Report Date:** 11/29/20

**SAMPLE RESULTS**

**Lab ID:** L2051747-04  
**Client ID:** SB10\_0-2  
**Sample Location:** NEW YORK, NEW YORK

**Date Collected:** 11/19/20 12:30  
**Date Received:** 11/19/20  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8081B  
**Analytical Date:** 11/24/20 02:16  
**Analyst:** BM  
**Percent Solids:** 89%

**Extraction Method:** EPA 3546  
**Extraction Date:** 11/22/20 00:42  
**Cleanup Method:** EPA 3620B  
**Cleanup Date:** 11/22/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Organochlorine Pesticides by GC - Westborough Lab</b>							
Delta-BHC	ND		ug/kg	1.73	0.338	1	A
Lindane	ND		ug/kg	0.720	0.322	1	A
Alpha-BHC	ND		ug/kg	0.720	0.204	1	A
Beta-BHC	ND		ug/kg	1.73	0.655	1	A
Heptachlor	ND		ug/kg	0.864	0.388	1	A
Aldrin	ND		ug/kg	1.73	0.609	1	A
Heptachlor epoxide	ND		ug/kg	3.24	0.972	1	A
Endrin	ND		ug/kg	0.720	0.295	1	A
Endrin aldehyde	ND		ug/kg	2.16	0.756	1	A
Endrin ketone	ND		ug/kg	1.73	0.445	1	A
Dieldrin	ND		ug/kg	1.08	0.540	1	A
4,4'-DDE	ND		ug/kg	1.73	0.400	1	B
4,4'-DDD	ND		ug/kg	1.73	0.616	1	A
4,4'-DDT	ND		ug/kg	3.24	1.39	1	A
Endosulfan I	ND		ug/kg	1.73	0.408	1	A
Endosulfan II	ND		ug/kg	1.73	0.578	1	A
Endosulfan sulfate	ND		ug/kg	0.720	0.343	1	A
Methoxychlor	ND		ug/kg	3.24	1.01	1	A
Toxaphene	ND		ug/kg	32.4	9.08	1	A
cis-Chlordane	ND		ug/kg	2.16	0.602	1	A
trans-Chlordane	ND		ug/kg	2.16	0.570	1	A
Chlordane	ND		ug/kg	14.4	5.73	1	A

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051747  
**Report Date:** 11/29/20

**SAMPLE RESULTS**

Lab ID: L2051747-04  
 Client ID: SB10\_0-2  
 Sample Location: NEW YORK, NEW YORK

Date Collected: 11/19/20 12:30  
 Date Received: 11/19/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		30-150	A
Decachlorobiphenyl	72		30-150	A
2,4,5,6-Tetrachloro-m-xylene	73		30-150	B
Decachlorobiphenyl	51		30-150	B

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051747  
**Report Date:** 11/29/20

**SAMPLE RESULTS**

**Lab ID:** L2051747-05  
**Client ID:** SB10\_3.5-5  
**Sample Location:** NEW YORK, NEW YORK

**Date Collected:** 11/19/20 12:40  
**Date Received:** 11/19/20  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8081B  
**Analytical Date:** 11/23/20 23:14  
**Analyst:** EJL  
**Percent Solids:** 88%

**Extraction Method:** EPA 3546  
**Extraction Date:** 11/22/20 00:42  
**Cleanup Method:** EPA 3620B  
**Cleanup Date:** 11/22/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Organochlorine Pesticides by GC - Westborough Lab</b>							
Delta-BHC	ND		ug/kg	1.76	0.344	1	A
Lindane	ND		ug/kg	0.732	0.327	1	A
Alpha-BHC	ND		ug/kg	0.732	0.208	1	A
Beta-BHC	ND		ug/kg	1.76	0.666	1	A
Heptachlor	ND		ug/kg	0.879	0.394	1	A
Aldrin	ND		ug/kg	1.76	0.619	1	A
Heptachlor epoxide	ND		ug/kg	3.30	0.989	1	A
Endrin	ND		ug/kg	0.732	0.300	1	A
Endrin aldehyde	ND		ug/kg	2.20	0.769	1	A
Endrin ketone	ND		ug/kg	1.76	0.452	1	A
Dieldrin	ND		ug/kg	1.10	0.549	1	A
4,4'-DDE	ND		ug/kg	1.76	0.406	1	A
4,4'-DDD	ND		ug/kg	1.76	0.627	1	A
4,4'-DDT	ND		ug/kg	3.30	1.41	1	A
Endosulfan I	ND		ug/kg	1.76	0.415	1	A
Endosulfan II	ND		ug/kg	1.76	0.587	1	A
Endosulfan sulfate	ND		ug/kg	0.732	0.348	1	A
Methoxychlor	ND		ug/kg	3.30	1.02	1	A
Toxaphene	ND		ug/kg	33.0	9.23	1	A
cis-Chlordane	ND		ug/kg	2.20	0.612	1	A
trans-Chlordane	ND		ug/kg	2.20	0.580	1	A
Chlordane	ND		ug/kg	14.6	5.82	1	A

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051747  
**Report Date:** 11/29/20

**SAMPLE RESULTS**

Lab ID: L2051747-05  
 Client ID: SB10\_3.5-5  
 Sample Location: NEW YORK, NEW YORK

Date Collected: 11/19/20 12:40  
 Date Received: 11/19/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		30-150	A
Decachlorobiphenyl	95		30-150	A
2,4,5,6-Tetrachloro-m-xylene	77		30-150	B
Decachlorobiphenyl	66		30-150	B

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051747  
**Report Date:** 11/29/20

**SAMPLE RESULTS**

**Lab ID:** L2051747-06  
**Client ID:** SB09\_0-2  
**Sample Location:** NEW YORK, NEW YORK

**Date Collected:** 11/19/20 14:00  
**Date Received:** 11/19/20  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8081B  
**Analytical Date:** 11/24/20 02:26  
**Analyst:** BM  
**Percent Solids:** 86%

**Extraction Method:** EPA 3546  
**Extraction Date:** 11/22/20 00:42  
**Cleanup Method:** EPA 3620B  
**Cleanup Date:** 11/22/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Organochlorine Pesticides by GC - Westborough Lab</b>							
Delta-BHC	ND		ug/kg	1.81	0.354	1	A
Lindane	ND		ug/kg	0.753	0.336	1	A
Alpha-BHC	ND		ug/kg	0.753	0.214	1	A
Beta-BHC	ND		ug/kg	1.81	0.685	1	A
Heptachlor	ND		ug/kg	0.903	0.405	1	A
Aldrin	ND		ug/kg	1.81	0.636	1	A
Heptachlor epoxide	ND		ug/kg	3.39	1.02	1	A
Endrin	ND		ug/kg	0.753	0.309	1	A
Endrin aldehyde	ND		ug/kg	2.26	0.790	1	A
Endrin ketone	ND		ug/kg	1.81	0.465	1	A
Dieldrin	ND		ug/kg	1.13	0.564	1	A
4,4'-DDE	1.81		ug/kg	1.81	0.418	1	B
4,4'-DDD	ND		ug/kg	1.81	0.644	1	A
4,4'-DDT	ND		ug/kg	3.39	1.45	1	B
Endosulfan I	ND		ug/kg	1.81	0.427	1	A
Endosulfan II	ND		ug/kg	1.81	0.604	1	A
Endosulfan sulfate	ND		ug/kg	0.753	0.358	1	A
Methoxychlor	ND		ug/kg	3.39	1.05	1	A
Toxaphene	ND		ug/kg	33.9	9.48	1	A
cis-Chlordane	2.19	J	ug/kg	2.26	0.629	1	A
trans-Chlordane	1.82	J	ug/kg	2.26	0.596	1	A
Chlordane	12.3	J	ug/kg	15.0	5.98	1	A

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051747  
**Report Date:** 11/29/20

**SAMPLE RESULTS**

**Lab ID:** L2051747-06  
**Client ID:** SB09\_0-2  
**Sample Location:** NEW YORK, NEW YORK

**Date Collected:** 11/19/20 14:00  
**Date Received:** 11/19/20  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	65		30-150	A
Decachlorobiphenyl	77		30-150	A
2,4,5,6-Tetrachloro-m-xylene	75		30-150	B
Decachlorobiphenyl	54		30-150	B



**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051747  
**Report Date:** 11/29/20

**SAMPLE RESULTS**

**Lab ID:** L2051747-07  
**Client ID:** SB09\_4-6  
**Sample Location:** NEW YORK, NEW YORK

**Date Collected:** 11/19/20 14:15  
**Date Received:** 11/19/20  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8081B  
**Analytical Date:** 11/24/20 02:37  
**Analyst:** BM  
**Percent Solids:** 82%

**Extraction Method:** EPA 3546  
**Extraction Date:** 11/22/20 00:42  
**Cleanup Method:** EPA 3620B  
**Cleanup Date:** 11/22/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Organochlorine Pesticides by GC - Westborough Lab</b>							
Delta-BHC	ND		ug/kg	1.86	0.365	1	A
Lindane	ND		ug/kg	0.776	0.347	1	A
Alpha-BHC	ND		ug/kg	0.776	0.220	1	A
Beta-BHC	ND		ug/kg	1.86	0.706	1	A
Heptachlor	ND		ug/kg	0.931	0.417	1	A
Aldrin	ND		ug/kg	1.86	0.656	1	A
Heptachlor epoxide	ND		ug/kg	3.49	1.05	1	A
Endrin	ND		ug/kg	0.776	0.318	1	A
Endrin aldehyde	ND		ug/kg	2.33	0.815	1	A
Endrin ketone	ND		ug/kg	1.86	0.480	1	A
Dieldrin	ND		ug/kg	1.16	0.582	1	A
4,4'-DDE	5.49		ug/kg	1.86	0.431	1	B
4,4'-DDD	ND		ug/kg	1.86	0.664	1	B
4,4'-DDT	3.19	J	ug/kg	3.49	1.50	1	B
Endosulfan I	ND		ug/kg	1.86	0.440	1	A
Endosulfan II	ND		ug/kg	1.86	0.622	1	A
Endosulfan sulfate	ND		ug/kg	0.776	0.369	1	A
Methoxychlor	ND		ug/kg	3.49	1.09	1	A
Toxaphene	ND		ug/kg	34.9	9.78	1	A
cis-Chlordane	ND		ug/kg	2.33	0.649	1	A
trans-Chlordane	0.711	J	ug/kg	2.33	0.614	1	A
Chlordane	ND		ug/kg	15.5	6.17	1	A

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051747  
**Report Date:** 11/29/20

**SAMPLE RESULTS**

**Lab ID:** L2051747-07  
**Client ID:** SB09\_4-6  
**Sample Location:** NEW YORK, NEW YORK

**Date Collected:** 11/19/20 14:15  
**Date Received:** 11/19/20  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		30-150	A
Decachlorobiphenyl	91		30-150	A
2,4,5,6-Tetrachloro-m-xylene	86		30-150	B
Decachlorobiphenyl	63		30-150	B

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051747  
**Report Date:** 11/29/20

**SAMPLE RESULTS**

**Lab ID:** L2051747-08  
**Client ID:** DUP02\_11192020  
**Sample Location:** NEW YORK, NEW YORK

**Date Collected:** 11/19/20 00:00  
**Date Received:** 11/19/20  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8081B  
**Analytical Date:** 11/24/20 02:47  
**Analyst:** BM  
**Percent Solids:** 89%

**Extraction Method:** EPA 3546  
**Extraction Date:** 11/22/20 00:42  
**Cleanup Method:** EPA 3620B  
**Cleanup Date:** 11/22/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Organochlorine Pesticides by GC - Westborough Lab</b>							
Delta-BHC	ND		ug/kg	1.75	0.343	1	A
Lindane	ND		ug/kg	0.730	0.326	1	A
Alpha-BHC	ND		ug/kg	0.730	0.207	1	A
Beta-BHC	ND		ug/kg	1.75	0.664	1	A
Heptachlor	ND		ug/kg	0.876	0.393	1	A
Aldrin	ND		ug/kg	1.75	0.617	1	A
Heptachlor epoxide	ND		ug/kg	3.28	0.986	1	A
Endrin	ND		ug/kg	0.730	0.299	1	A
Endrin aldehyde	ND		ug/kg	2.19	0.766	1	A
Endrin ketone	ND		ug/kg	1.75	0.451	1	A
Dieldrin	ND		ug/kg	1.10	0.548	1	A
4,4'-DDE	1.04	J	ug/kg	1.75	0.405	1	B
4,4'-DDD	ND		ug/kg	1.75	0.625	1	A
4,4'-DDT	ND		ug/kg	3.28	1.41	1	B
Endosulfan I	ND		ug/kg	1.75	0.414	1	A
Endosulfan II	ND		ug/kg	1.75	0.586	1	A
Endosulfan sulfate	ND		ug/kg	0.730	0.348	1	A
Methoxychlor	ND		ug/kg	3.28	1.02	1	A
Toxaphene	ND		ug/kg	32.8	9.20	1	A
cis-Chlordane	1.81	J	ug/kg	2.19	0.610	1	A
trans-Chlordane	1.50	J	ug/kg	2.19	0.578	1	A
Chlordane	11.7	J	ug/kg	14.6	5.80	1	A

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051747  
**Report Date:** 11/29/20

**SAMPLE RESULTS**

**Lab ID:** L2051747-08  
**Client ID:** DUP02\_11192020  
**Sample Location:** NEW YORK, NEW YORK

**Date Collected:** 11/19/20 00:00  
**Date Received:** 11/19/20  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		30-150	A
Decachlorobiphenyl	84		30-150	A
2,4,5,6-Tetrachloro-m-xylene	80		30-150	B
Decachlorobiphenyl	59		30-150	B

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051747  
**Report Date:** 11/29/20

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8081B  
Analytical Date: 11/24/20 01:36  
Analyst: EJL

Extraction Method: EPA 3546  
Extraction Date: 11/22/20 00:25  
Cleanup Method: EPA 3620B  
Cleanup Date: 11/22/20

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-08 Batch: WG1437153-1						
Delta-BHC	ND		ug/kg	1.58	0.309	A
Lindane	ND		ug/kg	0.658	0.294	A
Alpha-BHC	ND		ug/kg	0.658	0.187	A
Beta-BHC	ND		ug/kg	1.58	0.599	A
Heptachlor	ND		ug/kg	0.789	0.354	A
Aldrin	ND		ug/kg	1.58	0.556	A
Heptachlor epoxide	ND		ug/kg	2.96	0.888	A
Endrin	ND		ug/kg	0.658	0.270	A
Endrin aldehyde	ND		ug/kg	1.97	0.691	A
Endrin ketone	ND		ug/kg	1.58	0.406	A
Dieldrin	ND		ug/kg	0.987	0.493	A
4,4'-DDE	ND		ug/kg	1.58	0.365	A
4,4'-DDD	ND		ug/kg	1.58	0.563	A
4,4'-DDT	ND		ug/kg	2.96	1.27	A
Endosulfan I	ND		ug/kg	1.58	0.373	A
Endosulfan II	ND		ug/kg	1.58	0.528	A
Endosulfan sulfate	ND		ug/kg	0.658	0.313	A
Methoxychlor	ND		ug/kg	2.96	0.921	A
Toxaphene	ND		ug/kg	29.6	8.29	A
cis-Chlordane	ND		ug/kg	1.97	0.550	A
trans-Chlordane	ND		ug/kg	1.97	0.521	A
Chlordane	ND		ug/kg	13.2	5.23	A

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051747  
**Report Date:** 11/29/20

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 1,8081B  
Analytical Date: 11/24/20 01:36  
Analyst: EJL

Extraction Method: EPA 3546  
Extraction Date: 11/22/20 00:25  
Cleanup Method: EPA 3620B  
Cleanup Date: 11/22/20

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-08 Batch: WG1437153-1						

Surrogate	%Recovery	Qualifier	Acceptance	
			Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		30-150	A
Decachlorobiphenyl	73		30-150	A
2,4,5,6-Tetrachloro-m-xylene	75		30-150	B
Decachlorobiphenyl	50		30-150	B

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 266-270 W. 96TH STREET

Lab Number: L2051747

Project Number: 170432001

Report Date: 11/29/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-08 Batch: WG1437153-2 WG1437153-3									
Delta-BHC	94		84		30-150	11		30	A
Lindane	82		75		30-150	9		30	A
Alpha-BHC	86		78		30-150	10		30	A
Beta-BHC	87		80		30-150	8		30	A
Heptachlor	104		92		30-150	12		30	A
Aldrin	83		75		30-150	10		30	A
Heptachlor epoxide	81		74		30-150	9		30	A
Endrin	93		85		30-150	9		30	A
Endrin aldehyde	50		45		30-150	11		30	A
Endrin ketone	77		70		30-150	10		30	A
Dieldrin	84		77		30-150	9		30	A
4,4'-DDE	84		77		30-150	9		30	A
4,4'-DDD	92		84		30-150	9		30	A
4,4'-DDT	81		75		30-150	8		30	A
Endosulfan I	79		72		30-150	9		30	A
Endosulfan II	87		79		30-150	10		30	A
Endosulfan sulfate	67		64		30-150	5		30	A
Methoxychlor	88		81		30-150	8		30	A
cis-Chlordane	79		70		30-150	12		30	A
trans-Chlordane	79		73		30-150	8		30	A

### Lab Control Sample Analysis Batch Quality Control

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051747  
**Report Date:** 11/29/20

Parameter	<i>LCS</i> %Recovery	<i>Qual</i>	<i>LCSD</i> %Recovery	<i>Qual</i>	<i>%Recovery</i> Limits	<i>RPD</i>	<i>Qual</i>	<i>RPD</i> Limits
-----------	-------------------------	-------------	--------------------------	-------------	----------------------------	------------	-------------	----------------------

Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-08 Batch: WG1437153-2 WG1437153-3

<i>Surrogate</i>	<i>LCS</i> %Recovery	<i>Qual</i>	<i>LCSD</i> %Recovery	<i>Qual</i>	<i>Acceptance</i> Criteria	<i>Column</i>
2,4,5,6-Tetrachloro-m-xylene	78		71		30-150	A
Decachlorobiphenyl	85		79		30-150	A
2,4,5,6-Tetrachloro-m-xylene	91		81		30-150	B
Decachlorobiphenyl	62		57		30-150	B



## Matrix Spike Analysis

*Batch Quality Control*

**Project Name:** 266-270 W. 96TH STREET

**Lab Number:** L2051747

**Project Number:** 170432001

**Report Date:** 11/29/20

<i>Parameter</i>	<i>Native Sample</i>	<i>MS Added</i>	<i>MS Found</i>	<i>MS %Recovery</i>	<i>Qual</i>	<i>MSD Found</i>	<i>MSD %Recovery</i>	<i>Qual</i>	<i>Recovery Limits</i>	<i>RPD</i>	<i>Qual</i>	<i>RPD Limits</i>	<i>Column</i>
Organochlorine Pesticides by GC - Westborough Lab ID: SB11_0-2 Associated sample(s): 01-08 QC Batch ID: WG1437153-4 WG1437153-5 QC Sample: L2051747-01 Client													
Delta-BHC	ND	36.9	31.0	84		28.4	77		30-150	9		50	A
Lindane	ND	36.9	27.5	75		25.1	68		30-150	9		50	A
Alpha-BHC	ND	36.9	28.3	77		26.4	72		30-150	7		50	A
Beta-BHC	ND	36.9	29.2	79		26.7	72		30-150	9		50	A
Heptachlor	ND	36.9	34.2	93		30.6	83		30-150	11		50	A
Aldrin	ND	36.9	29.2	79		25.5	69		30-150	14		50	A
Heptachlor epoxide	ND	36.9	29.2	79		25.6	69		30-150	13		50	A
Endrin	ND	36.9	33.2	90		29.1	79		30-150	13		50	A
Endrin aldehyde	ND	36.9	27.1	73		21.8	59		30-150	22		50	A
Endrin ketone	ND	36.9	29.6	80		26.9	73		30-150	10		50	A
Dieldrin	ND	36.9	30.3	82		26.6	72		30-150	13		50	A
4,4'-DDE	ND	36.9	30.5	83		26.6	72		30-150	14		50	A
4,4'-DDD	ND	36.9	32.8	89		29.0	79		30-150	12		50	A
4,4'-DDT	ND	36.9	30.5	83		26.3	71		30-150	15		50	A
Endosulfan I	ND	36.9	28.3	77		24.8	67		30-150	13		50	A
Endosulfan II	ND	36.9	31.1	84		27.3	74		30-150	13		50	A
Endosulfan sulfate	ND	36.9	26.0	70		24.9	67		30-150	4		50	A
Methoxychlor	ND	36.9	32.7	89		34.0	92		30-150	4		50	A
cis-Chlordane	ND	36.9	27.3	74		24.1	65		30-150	12		50	A
trans-Chlordane	ND	36.9	28.8	78		25.1	68		30-150	14		50	A

**Matrix Spike Analysis****Batch Quality Control****Project Name:** 266-270 W. 96TH STREET**Lab Number:** L2051747**Project Number:** 170432001**Report Date:** 11/29/20

<b>Parameter</b>	<b>Native Sample</b>	<b>MS Added</b>	<b>MS Found</b>	<b>MS %Recovery</b>	<b>Qual</b>	<b>MSD Found</b>	<b>MSD %Recovery</b>	<b>Qual</b>	<b>Recovery Limits</b>	<b>RPD</b>	<b>Qual</b>	<b>RPD Limits</b>
------------------	----------------------	-----------------	-----------------	---------------------	-------------	------------------	----------------------	-------------	------------------------	------------	-------------	-------------------

Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG1437153-4 WG1437153-5 QC Sample: L2051747-01 Client ID: SB11\_0-2

<b>Surrogate</b>	<b>MS</b>		<b>MSD</b>		<b>Acceptance Criteria</b>	<b>Column</b>
	<b>% Recovery</b>	<b>Qualifier</b>	<b>% Recovery</b>	<b>Qualifier</b>		
2,4,5,6-Tetrachloro-m-xylene	70		63		30-150	A
Decachlorobiphenyl	100		88		30-150	A
2,4,5,6-Tetrachloro-m-xylene	83		77		30-150	B
Decachlorobiphenyl	77		72		30-150	B

## Matrix Spike Analysis

*Batch Quality Control*

**Project Name:** 266-270 W. 96TH STREET

**Project Number:** 170432001

**Lab Number:** L2051747

**Report Date:** 11/29/20

<i>Parameter</i>	<i>Native Sample</i>	<i>MS Added</i>	<i>MS Found</i>	<i>MS %Recovery</i>	<i>Qual</i>	<i>MSD Found</i>	<i>MSD %Recovery</i>	<i>Qual</i>	<i>Recovery Limits</i>	<i>RPD</i>	<i>Qual</i>	<i>RPD Limits</i>	<i>Column</i>
Organochlorine Pesticides by GC - Westborough Lab ID: SB10_3.5-5 Associated sample(s): 01-08 QC Batch ID: WG1437153-6 WG1437153-7 QC Sample: L2051747-05 Client													
Delta-BHC	ND	36.7	30.8	84		37.3	100		30-150	19		50	A
Lindane	ND	36.7	26.4	72		31.8	85		30-150	19		50	A
Alpha-BHC	ND	36.7	27.4	75		32.8	88		30-150	18		50	A
Beta-BHC	ND	36.7	28.4	77		33.2	89		30-150	16		50	A
Heptachlor	ND	36.7	33.6	92		40.1	108		30-150	18		50	A
Aldrin	ND	36.7	27.4	75		32.5	87		30-150	17		50	A
Heptachlor epoxide	ND	36.7	27.2	74		31.7	85		30-150	15		50	A
Endrin	ND	36.7	31.5	86		36.3	98		30-150	14		50	A
Endrin aldehyde	ND	36.7	22.8	62		23.7	64		30-150	4		50	A
Endrin ketone	ND	36.7	26.9	73		31.8	85		30-150	17		50	A
Dieldrin	ND	36.7	28.5	78		33.2	89		30-150	15		50	A
4,4'-DDE	ND	36.7	28.2	77		33.4	90		30-150	17		50	A
4,4'-DDD	ND	36.7	31.0	85		36.2	97		30-150	15		50	A
4,4'-DDT	ND	36.7	27.7	76		33.1	89		30-150	18		50	A
Endosulfan I	ND	36.7	26.5	72		31.0	83		30-150	16		50	A
Endosulfan II	ND	36.7	28.9	79		34.2	92		30-150	17		50	A
Endosulfan sulfate	ND	36.7	21.6	59		29.5	79		30-150	31		50	A
Methoxychlor	ND	36.7	31.2	85		41.9	113		30-150	29		50	A
cis-Chlordane	ND	36.7	25.4	69		30.2	81		30-150	17		50	A
trans-Chlordane	ND	36.7	26.6	73		31.4	84		30-150	17		50	A

**Matrix Spike Analysis****Batch Quality Control****Project Name:** 266-270 W. 96TH STREET**Lab Number:** L2051747**Project Number:** 170432001**Report Date:** 11/29/20

<b>Parameter</b>	<b>Native Sample</b>	<b>MS Added</b>	<b>MS Found</b>	<b>MS %Recovery</b>	<b>Qual</b>	<b>MSD Found</b>	<b>MSD %Recovery</b>	<b>Qual</b>	<b>Recovery Limits</b>	<b>RPD</b>	<b>Qual</b>	<b>RPD Limits</b>
------------------	----------------------	-----------------	-----------------	---------------------	-------------	------------------	----------------------	-------------	------------------------	------------	-------------	-------------------

Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG1437153-6 WG1437153-7 QC Sample: L2051747-05 Client ID: SB10\_3.5-5

<b>Surrogate</b>	<b>MS</b>		<b>MSD</b>		<b>Acceptance Criteria</b>	<b>Column</b>
	<b>% Recovery</b>	<b>Qualifier</b>	<b>% Recovery</b>	<b>Qualifier</b>		
2,4,5,6-Tetrachloro-m-xylene	68		78		30-150	A
Decachlorobiphenyl	98		107		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		87		30-150	B
Decachlorobiphenyl	71		81		30-150	B

## METALS

Project Name: 266-270 W. 96TH STREET

Lab Number: L2051747

Project Number: 170432001

Report Date: 11/29/20

## SAMPLE RESULTS

Lab ID: L2051747-01  
 Client ID: SB11\_0-2  
 Sample Location: NEW YORK, NEW YORK

Date Collected: 11/19/20 10:45  
 Date Received: 11/19/20  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil  
 Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Aluminum, Total	8590		mg/kg	8.59	2.32	2	11/25/20 11:25	11/26/20 08:30	EPA 3050B	1,6010D	BV
Antimony, Total	ND		mg/kg	4.29	0.326	2	11/25/20 11:25	11/26/20 08:30	EPA 3050B	1,6010D	BV
Arsenic, Total	4.59		mg/kg	0.859	0.179	2	11/25/20 11:25	11/26/20 08:30	EPA 3050B	1,6010D	BV
Barium, Total	18.8		mg/kg	0.859	0.149	2	11/25/20 11:25	11/26/20 08:30	EPA 3050B	1,6010D	BV
Beryllium, Total	0.283	J	mg/kg	0.429	0.028	2	11/25/20 11:25	11/26/20 08:30	EPA 3050B	1,6010D	BV
Cadmium, Total	0.575	J	mg/kg	0.859	0.084	2	11/25/20 11:25	11/26/20 08:30	EPA 3050B	1,6010D	BV
Calcium, Total	597		mg/kg	8.59	3.01	2	11/25/20 11:25	11/26/20 08:30	EPA 3050B	1,6010D	BV
Chromium, Total	11.3		mg/kg	0.859	0.082	2	11/25/20 11:25	11/26/20 08:30	EPA 3050B	1,6010D	BV
Cobalt, Total	7.56		mg/kg	1.72	0.142	2	11/25/20 11:25	11/26/20 08:30	EPA 3050B	1,6010D	BV
Copper, Total	19.3		mg/kg	0.859	0.222	2	11/25/20 11:25	11/26/20 08:30	EPA 3050B	1,6010D	BV
Iron, Total	18000		mg/kg	4.29	0.776	2	11/25/20 11:25	11/26/20 08:30	EPA 3050B	1,6010D	BV
Lead, Total	9.20		mg/kg	4.29	0.230	2	11/25/20 11:25	11/26/20 08:30	EPA 3050B	1,6010D	BV
Magnesium, Total	3450		mg/kg	8.59	1.32	2	11/25/20 11:25	11/26/20 08:30	EPA 3050B	1,6010D	BV
Manganese, Total	255		mg/kg	0.859	0.136	2	11/25/20 11:25	11/26/20 08:30	EPA 3050B	1,6010D	BV
Mercury, Total	ND		mg/kg	0.072	0.047	1	11/25/20 12:08	11/25/20 14:07	EPA 7471B	1,7471B	EW
Nickel, Total	14.3		mg/kg	2.15	0.208	2	11/25/20 11:25	11/26/20 08:30	EPA 3050B	1,6010D	BV
Potassium, Total	343		mg/kg	215	12.4	2	11/25/20 11:25	11/26/20 08:30	EPA 3050B	1,6010D	BV
Selenium, Total	ND		mg/kg	1.72	0.222	2	11/25/20 11:25	11/26/20 08:30	EPA 3050B	1,6010D	BV
Silver, Total	ND		mg/kg	0.859	0.243	2	11/25/20 11:25	11/26/20 08:30	EPA 3050B	1,6010D	BV
Sodium, Total	29.2	J	mg/kg	172	2.70	2	11/25/20 11:25	11/26/20 08:30	EPA 3050B	1,6010D	BV
Thallium, Total	0.438	J	mg/kg	1.72	0.270	2	11/25/20 11:25	11/26/20 08:30	EPA 3050B	1,6010D	BV
Vanadium, Total	12.8		mg/kg	0.859	0.174	2	11/25/20 11:25	11/26/20 08:30	EPA 3050B	1,6010D	BV
Zinc, Total	45.4		mg/kg	4.29	0.252	2	11/25/20 11:25	11/26/20 08:30	EPA 3050B	1,6010D	BV
<b>General Chemistry - Mansfield Lab</b>											
Chromium, Trivalent	11	J	mg/kg	0.91	0.91	1		11/26/20 08:30	NA	107,-	



Project Name: 266-270 W. 96TH STREET

Lab Number: L2051747

Project Number: 170432001

Report Date: 11/29/20

## SAMPLE RESULTS

Lab ID: L2051747-02

Date Collected: 11/19/20 11:05

Client ID: SB11\_4-5

Date Received: 11/19/20

Sample Location: NEW YORK, NEW YORK

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Aluminum, Total	7390		mg/kg	9.20	2.48	2	11/25/20 11:25	11/26/20 09:20	EPA 3050B	1,6010D	BV
Antimony, Total	ND		mg/kg	4.60	0.350	2	11/25/20 11:25	11/26/20 09:20	EPA 3050B	1,6010D	BV
Arsenic, Total	2.41		mg/kg	0.920	0.191	2	11/25/20 11:25	11/26/20 09:20	EPA 3050B	1,6010D	BV
Barium, Total	14.0		mg/kg	0.920	0.160	2	11/25/20 11:25	11/26/20 09:20	EPA 3050B	1,6010D	BV
Beryllium, Total	0.202	J	mg/kg	0.460	0.030	2	11/25/20 11:25	11/26/20 09:20	EPA 3050B	1,6010D	BV
Cadmium, Total	0.432	J	mg/kg	0.920	0.090	2	11/25/20 11:25	11/26/20 09:20	EPA 3050B	1,6010D	BV
Calcium, Total	1240		mg/kg	9.20	3.22	2	11/25/20 11:25	11/26/20 09:20	EPA 3050B	1,6010D	BV
Chromium, Total	9.52		mg/kg	0.920	0.088	2	11/25/20 11:25	11/26/20 09:20	EPA 3050B	1,6010D	BV
Cobalt, Total	5.33		mg/kg	1.84	0.153	2	11/25/20 11:25	11/26/20 09:20	EPA 3050B	1,6010D	BV
Copper, Total	13.9		mg/kg	0.920	0.237	2	11/25/20 11:25	11/26/20 09:20	EPA 3050B	1,6010D	BV
Iron, Total	14000		mg/kg	4.60	0.831	2	11/25/20 11:25	11/26/20 09:20	EPA 3050B	1,6010D	BV
Lead, Total	4.86		mg/kg	4.60	0.246	2	11/25/20 11:25	11/26/20 09:20	EPA 3050B	1,6010D	BV
Magnesium, Total	3440		mg/kg	9.20	1.42	2	11/25/20 11:25	11/26/20 09:20	EPA 3050B	1,6010D	BV
Manganese, Total	180		mg/kg	0.920	0.146	2	11/25/20 11:25	11/26/20 09:20	EPA 3050B	1,6010D	BV
Mercury, Total	ND		mg/kg	0.077	0.050	1	11/25/20 12:08	11/25/20 14:49	EPA 7471B	1,7471B	EW
Nickel, Total	12.1		mg/kg	2.30	0.223	2	11/25/20 11:25	11/26/20 09:20	EPA 3050B	1,6010D	BV
Potassium, Total	351		mg/kg	230	13.2	2	11/25/20 11:25	11/26/20 09:20	EPA 3050B	1,6010D	BV
Selenium, Total	ND		mg/kg	1.84	0.237	2	11/25/20 11:25	11/26/20 09:20	EPA 3050B	1,6010D	BV
Silver, Total	ND		mg/kg	0.920	0.260	2	11/25/20 11:25	11/26/20 09:20	EPA 3050B	1,6010D	BV
Sodium, Total	31.4	J	mg/kg	184	2.90	2	11/25/20 11:25	11/26/20 09:20	EPA 3050B	1,6010D	BV
Thallium, Total	ND		mg/kg	1.84	0.290	2	11/25/20 11:25	11/26/20 09:20	EPA 3050B	1,6010D	BV
Vanadium, Total	10.5		mg/kg	0.920	0.187	2	11/25/20 11:25	11/26/20 09:20	EPA 3050B	1,6010D	BV
Zinc, Total	35.2		mg/kg	4.60	0.270	2	11/25/20 11:25	11/26/20 09:20	EPA 3050B	1,6010D	BV
<b>General Chemistry - Mansfield Lab</b>											
Chromium, Trivalent	9.5		mg/kg	0.93	0.93	1		11/26/20 09:20	NA	107,-	



Project Name: 266-270 W. 96TH STREET

Lab Number: L2051747

Project Number: 170432001

Report Date: 11/29/20

## SAMPLE RESULTS

Lab ID: L2051747-03

Date Collected: 11/19/20 11:30

Client ID: SB11\_5-6

Date Received: 11/19/20

Sample Location: NEW YORK, NEW YORK

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Aluminum, Total	11400		mg/kg	8.99	2.43	2	11/25/20 11:25	11/26/20 09:24	EPA 3050B	1,6010D	BV
Antimony, Total	ND		mg/kg	4.49	0.341	2	11/25/20 11:25	11/26/20 09:24	EPA 3050B	1,6010D	BV
Arsenic, Total	2.44		mg/kg	0.899	0.187	2	11/25/20 11:25	11/26/20 09:24	EPA 3050B	1,6010D	BV
Barium, Total	44.0		mg/kg	0.899	0.156	2	11/25/20 11:25	11/26/20 09:24	EPA 3050B	1,6010D	BV
Beryllium, Total	0.180	J	mg/kg	0.449	0.030	2	11/25/20 11:25	11/26/20 09:24	EPA 3050B	1,6010D	BV
Cadmium, Total	0.440	J	mg/kg	0.899	0.088	2	11/25/20 11:25	11/26/20 09:24	EPA 3050B	1,6010D	BV
Calcium, Total	1300		mg/kg	8.99	3.14	2	11/25/20 11:25	11/26/20 09:24	EPA 3050B	1,6010D	BV
Chromium, Total	14.8		mg/kg	0.899	0.086	2	11/25/20 11:25	11/26/20 09:24	EPA 3050B	1,6010D	BV
Cobalt, Total	13.9		mg/kg	1.80	0.149	2	11/25/20 11:25	11/26/20 09:24	EPA 3050B	1,6010D	BV
Copper, Total	15.4		mg/kg	0.899	0.232	2	11/25/20 11:25	11/26/20 09:24	EPA 3050B	1,6010D	BV
Iron, Total	14800		mg/kg	4.49	0.811	2	11/25/20 11:25	11/26/20 09:24	EPA 3050B	1,6010D	BV
Lead, Total	7.89		mg/kg	4.49	0.241	2	11/25/20 11:25	11/26/20 09:24	EPA 3050B	1,6010D	BV
Magnesium, Total	3160		mg/kg	8.99	1.38	2	11/25/20 11:25	11/26/20 09:24	EPA 3050B	1,6010D	BV
Manganese, Total	383		mg/kg	0.899	0.143	2	11/25/20 11:25	11/26/20 09:24	EPA 3050B	1,6010D	BV
Mercury, Total	ND		mg/kg	0.079	0.052	1	11/25/20 12:08	11/25/20 14:53	EPA 7471B	1,7471B	EW
Nickel, Total	13.8		mg/kg	2.25	0.217	2	11/25/20 11:25	11/26/20 09:24	EPA 3050B	1,6010D	BV
Potassium, Total	817		mg/kg	225	12.9	2	11/25/20 11:25	11/26/20 09:24	EPA 3050B	1,6010D	BV
Selenium, Total	0.234	J	mg/kg	1.80	0.232	2	11/25/20 11:25	11/26/20 09:24	EPA 3050B	1,6010D	BV
Silver, Total	ND		mg/kg	0.899	0.254	2	11/25/20 11:25	11/26/20 09:24	EPA 3050B	1,6010D	BV
Sodium, Total	56.5	J	mg/kg	180	2.83	2	11/25/20 11:25	11/26/20 09:24	EPA 3050B	1,6010D	BV
Thallium, Total	ND		mg/kg	1.80	0.283	2	11/25/20 11:25	11/26/20 09:24	EPA 3050B	1,6010D	BV
Vanadium, Total	21.9		mg/kg	0.899	0.182	2	11/25/20 11:25	11/26/20 09:24	EPA 3050B	1,6010D	BV
Zinc, Total	30.0		mg/kg	4.49	0.263	2	11/25/20 11:25	11/26/20 09:24	EPA 3050B	1,6010D	BV
<b>General Chemistry - Mansfield Lab</b>											
Chromium, Trivalent	15		mg/kg	0.93	0.93	1		11/26/20 09:24	NA	107,-	





Project Name: 266-270 W. 96TH STREET

Lab Number: L2051747

Project Number: 170432001

Report Date: 11/29/20

## SAMPLE RESULTS

Lab ID: L2051747-04

Date Collected: 11/19/20 12:30

Client ID: SB10\_0-2

Date Received: 11/19/20

Sample Location: NEW YORK, NEW YORK

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Aluminum, Total	8300		mg/kg	8.76	2.36	2	11/25/20 11:25	11/26/20 09:29	EPA 3050B	1,6010D	BV
Antimony, Total	ND		mg/kg	4.38	0.333	2	11/25/20 11:25	11/26/20 09:29	EPA 3050B	1,6010D	BV
Arsenic, Total	5.28		mg/kg	0.876	0.182	2	11/25/20 11:25	11/26/20 09:29	EPA 3050B	1,6010D	BV
Barium, Total	39.3		mg/kg	0.876	0.152	2	11/25/20 11:25	11/26/20 09:29	EPA 3050B	1,6010D	BV
Beryllium, Total	0.254	J	mg/kg	0.438	0.029	2	11/25/20 11:25	11/26/20 09:29	EPA 3050B	1,6010D	BV
Cadmium, Total	0.570	J	mg/kg	0.876	0.086	2	11/25/20 11:25	11/26/20 09:29	EPA 3050B	1,6010D	BV
Calcium, Total	678		mg/kg	8.76	3.07	2	11/25/20 11:25	11/26/20 09:29	EPA 3050B	1,6010D	BV
Chromium, Total	11.9		mg/kg	0.876	0.084	2	11/25/20 11:25	11/26/20 09:29	EPA 3050B	1,6010D	BV
Cobalt, Total	7.28		mg/kg	1.75	0.145	2	11/25/20 11:25	11/26/20 09:29	EPA 3050B	1,6010D	BV
Copper, Total	25.4		mg/kg	0.876	0.226	2	11/25/20 11:25	11/26/20 09:29	EPA 3050B	1,6010D	BV
Iron, Total	17500		mg/kg	4.38	0.791	2	11/25/20 11:25	11/26/20 09:29	EPA 3050B	1,6010D	BV
Lead, Total	76.4		mg/kg	4.38	0.235	2	11/25/20 11:25	11/26/20 09:29	EPA 3050B	1,6010D	BV
Magnesium, Total	3250		mg/kg	8.76	1.35	2	11/25/20 11:25	11/26/20 09:29	EPA 3050B	1,6010D	BV
Manganese, Total	320		mg/kg	0.876	0.139	2	11/25/20 11:25	11/26/20 09:29	EPA 3050B	1,6010D	BV
Mercury, Total	0.248		mg/kg	0.084	0.055	1	11/25/20 12:08	11/25/20 14:56	EPA 7471B	1,7471B	EW
Nickel, Total	13.4		mg/kg	2.19	0.212	2	11/25/20 11:25	11/26/20 09:29	EPA 3050B	1,6010D	BV
Potassium, Total	499		mg/kg	219	12.6	2	11/25/20 11:25	11/26/20 09:29	EPA 3050B	1,6010D	BV
Selenium, Total	0.622	J	mg/kg	1.75	0.226	2	11/25/20 11:25	11/26/20 09:29	EPA 3050B	1,6010D	BV
Silver, Total	ND		mg/kg	0.876	0.248	2	11/25/20 11:25	11/26/20 09:29	EPA 3050B	1,6010D	BV
Sodium, Total	56.3	J	mg/kg	175	2.76	2	11/25/20 11:25	11/26/20 09:29	EPA 3050B	1,6010D	BV
Thallium, Total	0.517	J	mg/kg	1.75	0.276	2	11/25/20 11:25	11/26/20 09:29	EPA 3050B	1,6010D	BV
Vanadium, Total	14.1		mg/kg	0.876	0.178	2	11/25/20 11:25	11/26/20 09:29	EPA 3050B	1,6010D	BV
Zinc, Total	46.6		mg/kg	4.38	0.257	2	11/25/20 11:25	11/26/20 09:29	EPA 3050B	1,6010D	BV
<b>General Chemistry - Mansfield Lab</b>											
Chromium, Trivalent	12		mg/kg	0.90	0.90	1		11/26/20 09:29	NA	107,-	



Project Name: 266-270 W. 96TH STREET

Lab Number: L2051747

Project Number: 170432001

Report Date: 11/29/20

## SAMPLE RESULTS

Lab ID: L2051747-05

Date Collected: 11/19/20 12:40

Client ID: SB10\_3.5-5

Date Received: 11/19/20

Sample Location: NEW YORK, NEW YORK

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Aluminum, Total	8740		mg/kg	9.01	2.43	2	11/25/20 11:25	11/26/20 08:48	EPA 3050B	1,6010D	BV
Antimony, Total	ND		mg/kg	4.51	0.342	2	11/25/20 11:25	11/26/20 08:48	EPA 3050B	1,6010D	BV
Arsenic, Total	4.49		mg/kg	0.901	0.187	2	11/25/20 11:25	11/26/20 08:48	EPA 3050B	1,6010D	BV
Barium, Total	28.6		mg/kg	0.901	0.157	2	11/25/20 11:25	11/26/20 08:48	EPA 3050B	1,6010D	BV
Beryllium, Total	0.288	J	mg/kg	0.451	0.030	2	11/25/20 11:25	11/26/20 08:48	EPA 3050B	1,6010D	BV
Cadmium, Total	0.622	J	mg/kg	0.901	0.088	2	11/25/20 11:25	11/26/20 08:48	EPA 3050B	1,6010D	BV
Calcium, Total	1280		mg/kg	9.01	3.15	2	11/25/20 11:25	11/26/20 08:48	EPA 3050B	1,6010D	BV
Chromium, Total	12.4		mg/kg	0.901	0.087	2	11/25/20 11:25	11/26/20 08:48	EPA 3050B	1,6010D	BV
Cobalt, Total	8.44		mg/kg	1.80	0.150	2	11/25/20 11:25	11/26/20 08:48	EPA 3050B	1,6010D	BV
Copper, Total	15.3		mg/kg	0.901	0.232	2	11/25/20 11:25	11/26/20 08:48	EPA 3050B	1,6010D	BV
Iron, Total	17600		mg/kg	4.51	0.814	2	11/25/20 11:25	11/26/20 08:48	EPA 3050B	1,6010D	BV
Lead, Total	29.2		mg/kg	4.51	0.242	2	11/25/20 11:25	11/26/20 08:48	EPA 3050B	1,6010D	BV
Magnesium, Total	3450		mg/kg	9.01	1.39	2	11/25/20 11:25	11/26/20 08:48	EPA 3050B	1,6010D	BV
Manganese, Total	434		mg/kg	0.901	0.143	2	11/25/20 11:25	11/26/20 08:48	EPA 3050B	1,6010D	BV
Mercury, Total	ND		mg/kg	0.080	0.052	1	11/25/20 12:08	11/25/20 14:20	EPA 7471B	1,7471B	EW
Nickel, Total	15.4		mg/kg	2.25	0.218	2	11/25/20 11:25	11/26/20 08:48	EPA 3050B	1,6010D	BV
Potassium, Total	580		mg/kg	225	13.0	2	11/25/20 11:25	11/26/20 08:48	EPA 3050B	1,6010D	BV
Selenium, Total	0.378	J	mg/kg	1.80	0.232	2	11/25/20 11:25	11/26/20 08:48	EPA 3050B	1,6010D	BV
Silver, Total	ND		mg/kg	0.901	0.255	2	11/25/20 11:25	11/26/20 08:48	EPA 3050B	1,6010D	BV
Sodium, Total	49.8	J	mg/kg	180	2.84	2	11/25/20 11:25	11/26/20 08:48	EPA 3050B	1,6010D	BV
Thallium, Total	0.622	J	mg/kg	1.80	0.284	2	11/25/20 11:25	11/26/20 08:48	EPA 3050B	1,6010D	BV
Vanadium, Total	13.6		mg/kg	0.901	0.183	2	11/25/20 11:25	11/26/20 08:48	EPA 3050B	1,6010D	BV
Zinc, Total	49.4		mg/kg	4.51	0.264	2	11/25/20 11:25	11/26/20 08:48	EPA 3050B	1,6010D	BV
<b>General Chemistry - Mansfield Lab</b>											
Chromium, Trivalent	12		mg/kg	0.91	0.91	1		11/26/20 08:48	NA	107,-	



Project Name: 266-270 W. 96TH STREET

Lab Number: L2051747

Project Number: 170432001

Report Date: 11/29/20

## SAMPLE RESULTS

Lab ID: L2051747-06

Date Collected: 11/19/20 14:00

Client ID: SB09\_0-2

Date Received: 11/19/20

Sample Location: NEW YORK, NEW YORK

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Aluminum, Total	7470		mg/kg	8.93	2.41	2	11/25/20 11:25	11/26/20 09:33	EPA 3050B	1,6010D	BV
Antimony, Total	ND		mg/kg	4.46	0.339	2	11/25/20 11:25	11/26/20 09:33	EPA 3050B	1,6010D	BV
Arsenic, Total	2.60		mg/kg	0.893	0.186	2	11/25/20 11:25	11/26/20 09:33	EPA 3050B	1,6010D	BV
Barium, Total	75.7		mg/kg	0.893	0.155	2	11/25/20 11:25	11/26/20 09:33	EPA 3050B	1,6010D	BV
Beryllium, Total	0.107	J	mg/kg	0.446	0.030	2	11/25/20 11:25	11/26/20 09:33	EPA 3050B	1,6010D	BV
Cadmium, Total	0.509	J	mg/kg	0.893	0.088	2	11/25/20 11:25	11/26/20 09:33	EPA 3050B	1,6010D	BV
Calcium, Total	4750		mg/kg	8.93	3.12	2	11/25/20 11:25	11/26/20 09:33	EPA 3050B	1,6010D	BV
Chromium, Total	14.7		mg/kg	0.893	0.086	2	11/25/20 11:25	11/26/20 09:33	EPA 3050B	1,6010D	BV
Cobalt, Total	11.4		mg/kg	1.78	0.148	2	11/25/20 11:25	11/26/20 09:33	EPA 3050B	1,6010D	BV
Copper, Total	40.3		mg/kg	0.893	0.230	2	11/25/20 11:25	11/26/20 09:33	EPA 3050B	1,6010D	BV
Iron, Total	15300		mg/kg	4.46	0.806	2	11/25/20 11:25	11/26/20 09:33	EPA 3050B	1,6010D	BV
Lead, Total	126		mg/kg	4.46	0.239	2	11/25/20 11:25	11/26/20 09:33	EPA 3050B	1,6010D	BV
Magnesium, Total	3640		mg/kg	8.93	1.37	2	11/25/20 11:25	11/26/20 09:33	EPA 3050B	1,6010D	BV
Manganese, Total	250		mg/kg	0.893	0.142	2	11/25/20 11:25	11/26/20 09:33	EPA 3050B	1,6010D	BV
Mercury, Total	0.442		mg/kg	0.090	0.059	1	11/25/20 12:08	11/25/20 14:59	EPA 7471B	1,7471B	EW
Nickel, Total	21.7		mg/kg	2.23	0.216	2	11/25/20 11:25	11/26/20 09:33	EPA 3050B	1,6010D	BV
Potassium, Total	2330		mg/kg	223	12.8	2	11/25/20 11:25	11/26/20 09:33	EPA 3050B	1,6010D	BV
Selenium, Total	ND		mg/kg	1.78	0.230	2	11/25/20 11:25	11/26/20 09:33	EPA 3050B	1,6010D	BV
Silver, Total	ND		mg/kg	0.893	0.253	2	11/25/20 11:25	11/26/20 09:33	EPA 3050B	1,6010D	BV
Sodium, Total	194		mg/kg	178	2.81	2	11/25/20 11:25	11/26/20 09:33	EPA 3050B	1,6010D	BV
Thallium, Total	ND		mg/kg	1.78	0.281	2	11/25/20 11:25	11/26/20 09:33	EPA 3050B	1,6010D	BV
Vanadium, Total	19.3		mg/kg	0.893	0.181	2	11/25/20 11:25	11/26/20 09:33	EPA 3050B	1,6010D	BV
Zinc, Total	60.6		mg/kg	4.46	0.262	2	11/25/20 11:25	11/26/20 09:33	EPA 3050B	1,6010D	BV
<b>General Chemistry - Mansfield Lab</b>											
Chromium, Trivalent	15		mg/kg	0.93	0.93	1		11/26/20 09:33	NA	107,-	



Project Name: 266-270 W. 96TH STREET

Lab Number: L2051747

Project Number: 170432001

Report Date: 11/29/20

## SAMPLE RESULTS

Lab ID: L2051747-07

Date Collected: 11/19/20 14:15

Client ID: SB09\_4-6

Date Received: 11/19/20

Sample Location: NEW YORK, NEW YORK

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 82%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Aluminum, Total	9380		mg/kg	9.31	2.51	2	11/25/20 11:25	11/26/20 09:38	EPA 3050B	1,6010D	BV
Antimony, Total	ND		mg/kg	4.66	0.354	2	11/25/20 11:25	11/26/20 09:38	EPA 3050B	1,6010D	BV
Arsenic, Total	4.74		mg/kg	0.931	0.194	2	11/25/20 11:25	11/26/20 09:38	EPA 3050B	1,6010D	BV
Barium, Total	108		mg/kg	0.931	0.162	2	11/25/20 11:25	11/26/20 09:38	EPA 3050B	1,6010D	BV
Beryllium, Total	0.289	J	mg/kg	0.466	0.031	2	11/25/20 11:25	11/26/20 09:38	EPA 3050B	1,6010D	BV
Cadmium, Total	2.24		mg/kg	0.931	0.091	2	11/25/20 11:25	11/26/20 09:38	EPA 3050B	1,6010D	BV
Calcium, Total	2620		mg/kg	9.31	3.26	2	11/25/20 11:25	11/26/20 09:38	EPA 3050B	1,6010D	BV
Chromium, Total	14.3		mg/kg	0.931	0.089	2	11/25/20 11:25	11/26/20 09:38	EPA 3050B	1,6010D	BV
Cobalt, Total	7.45		mg/kg	1.86	0.155	2	11/25/20 11:25	11/26/20 09:38	EPA 3050B	1,6010D	BV
Copper, Total	23.4		mg/kg	0.931	0.240	2	11/25/20 11:25	11/26/20 09:38	EPA 3050B	1,6010D	BV
Iron, Total	22200		mg/kg	4.66	0.841	2	11/25/20 11:25	11/26/20 09:38	EPA 3050B	1,6010D	BV
Lead, Total	104		mg/kg	4.66	0.250	2	11/25/20 11:25	11/26/20 09:38	EPA 3050B	1,6010D	BV
Magnesium, Total	3130		mg/kg	9.31	1.43	2	11/25/20 11:25	11/26/20 09:38	EPA 3050B	1,6010D	BV
Manganese, Total	239		mg/kg	0.931	0.148	2	11/25/20 11:25	11/26/20 09:38	EPA 3050B	1,6010D	BV
Mercury, Total	0.244		mg/kg	0.077	0.050	1	11/25/20 12:08	11/25/20 15:03	EPA 7471B	1,7471B	EW
Nickel, Total	15.4		mg/kg	2.33	0.225	2	11/25/20 11:25	11/26/20 09:38	EPA 3050B	1,6010D	BV
Potassium, Total	494		mg/kg	233	13.4	2	11/25/20 11:25	11/26/20 09:38	EPA 3050B	1,6010D	BV
Selenium, Total	ND		mg/kg	1.86	0.240	2	11/25/20 11:25	11/26/20 09:38	EPA 3050B	1,6010D	BV
Silver, Total	ND		mg/kg	0.931	0.264	2	11/25/20 11:25	11/26/20 09:38	EPA 3050B	1,6010D	BV
Sodium, Total	179	J	mg/kg	186	2.93	2	11/25/20 11:25	11/26/20 09:38	EPA 3050B	1,6010D	BV
Thallium, Total	0.326	J	mg/kg	1.86	0.293	2	11/25/20 11:25	11/26/20 09:38	EPA 3050B	1,6010D	BV
Vanadium, Total	18.0		mg/kg	0.931	0.189	2	11/25/20 11:25	11/26/20 09:38	EPA 3050B	1,6010D	BV
Zinc, Total	2090		mg/kg	4.66	0.273	2	11/25/20 11:25	11/26/20 09:38	EPA 3050B	1,6010D	BV
<b>General Chemistry - Mansfield Lab</b>											
Chromium, Trivalent	14		mg/kg	0.97	0.97	1		11/26/20 09:38	NA	107,-	



Project Name: 266-270 W. 96TH STREET

Lab Number: L2051747

Project Number: 170432001

Report Date: 11/29/20

## SAMPLE RESULTS

Lab ID: L2051747-08  
 Client ID: DUP02\_11192020  
 Sample Location: NEW YORK, NEW YORK

Date Collected: 11/19/20 00:00  
 Date Received: 11/19/20  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil  
 Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Aluminum, Total	9860		mg/kg	8.59	2.32	2	11/25/20 11:25	11/26/20 09:42	EPA 3050B	1,6010D	BV
Antimony, Total	ND		mg/kg	4.29	0.326	2	11/25/20 11:25	11/26/20 09:42	EPA 3050B	1,6010D	BV
Arsenic, Total	2.86		mg/kg	0.859	0.179	2	11/25/20 11:25	11/26/20 09:42	EPA 3050B	1,6010D	BV
Barium, Total	70.9		mg/kg	0.859	0.149	2	11/25/20 11:25	11/26/20 09:42	EPA 3050B	1,6010D	BV
Beryllium, Total	0.086	J	mg/kg	0.429	0.028	2	11/25/20 11:25	11/26/20 09:42	EPA 3050B	1,6010D	BV
Cadmium, Total	0.593	J	mg/kg	0.859	0.084	2	11/25/20 11:25	11/26/20 09:42	EPA 3050B	1,6010D	BV
Calcium, Total	1610		mg/kg	8.59	3.01	2	11/25/20 11:25	11/26/20 09:42	EPA 3050B	1,6010D	BV
Chromium, Total	21.4		mg/kg	0.859	0.082	2	11/25/20 11:25	11/26/20 09:42	EPA 3050B	1,6010D	BV
Cobalt, Total	12.8		mg/kg	1.72	0.142	2	11/25/20 11:25	11/26/20 09:42	EPA 3050B	1,6010D	BV
Copper, Total	31.5		mg/kg	0.859	0.222	2	11/25/20 11:25	11/26/20 09:42	EPA 3050B	1,6010D	BV
Iron, Total	17500		mg/kg	4.29	0.776	2	11/25/20 11:25	11/26/20 09:42	EPA 3050B	1,6010D	BV
Lead, Total	65.7		mg/kg	4.29	0.230	2	11/25/20 11:25	11/26/20 09:42	EPA 3050B	1,6010D	BV
Magnesium, Total	4840		mg/kg	8.59	1.32	2	11/25/20 11:25	11/26/20 09:42	EPA 3050B	1,6010D	BV
Manganese, Total	214		mg/kg	0.859	0.136	2	11/25/20 11:25	11/26/20 09:42	EPA 3050B	1,6010D	BV
Mercury, Total	0.493		mg/kg	0.073	0.047	1	11/25/20 12:08	11/25/20 15:06	EPA 7471B	1,7471B	EW
Nickel, Total	24.2		mg/kg	2.15	0.208	2	11/25/20 11:25	11/26/20 09:42	EPA 3050B	1,6010D	BV
Potassium, Total	3080		mg/kg	215	12.4	2	11/25/20 11:25	11/26/20 09:42	EPA 3050B	1,6010D	BV
Selenium, Total	ND		mg/kg	1.72	0.222	2	11/25/20 11:25	11/26/20 09:42	EPA 3050B	1,6010D	BV
Silver, Total	ND		mg/kg	0.859	0.243	2	11/25/20 11:25	11/26/20 09:42	EPA 3050B	1,6010D	BV
Sodium, Total	192		mg/kg	172	2.70	2	11/25/20 11:25	11/26/20 09:42	EPA 3050B	1,6010D	BV
Thallium, Total	ND		mg/kg	1.72	0.270	2	11/25/20 11:25	11/26/20 09:42	EPA 3050B	1,6010D	BV
Vanadium, Total	23.4		mg/kg	0.859	0.174	2	11/25/20 11:25	11/26/20 09:42	EPA 3050B	1,6010D	BV
Zinc, Total	72.3		mg/kg	4.29	0.252	2	11/25/20 11:25	11/26/20 09:42	EPA 3050B	1,6010D	BV
<b>General Chemistry - Mansfield Lab</b>											
Chromium, Trivalent	21		mg/kg	0.90	0.90	1		11/26/20 09:42	NA	107,-	



**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051747  
**Report Date:** 11/29/20

## Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-08 Batch: WG1438100-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	11/25/20 11:25	11/26/20 08:12	1,6010D	BV
Antimony, Total	ND		mg/kg	2.00	0.152	1	11/25/20 11:25	11/26/20 08:12	1,6010D	BV
Arsenic, Total	ND		mg/kg	0.400	0.083	1	11/25/20 11:25	11/26/20 08:12	1,6010D	BV
Barium, Total	ND		mg/kg	0.400	0.070	1	11/25/20 11:25	11/26/20 08:12	1,6010D	BV
Beryllium, Total	ND		mg/kg	0.200	0.013	1	11/25/20 11:25	11/26/20 08:12	1,6010D	BV
Cadmium, Total	ND		mg/kg	0.400	0.039	1	11/25/20 11:25	11/26/20 08:12	1,6010D	BV
Calcium, Total	ND		mg/kg	4.00	1.40	1	11/25/20 11:25	11/26/20 08:12	1,6010D	BV
Chromium, Total	0.136	J	mg/kg	0.400	0.038	1	11/25/20 11:25	11/26/20 08:12	1,6010D	BV
Cobalt, Total	ND		mg/kg	0.800	0.066	1	11/25/20 11:25	11/26/20 08:12	1,6010D	BV
Copper, Total	ND		mg/kg	0.400	0.103	1	11/25/20 11:25	11/26/20 08:12	1,6010D	BV
Iron, Total	1.04	J	mg/kg	2.00	0.361	1	11/25/20 11:25	11/26/20 08:12	1,6010D	BV
Lead, Total	ND		mg/kg	2.00	0.107	1	11/25/20 11:25	11/26/20 08:12	1,6010D	BV
Magnesium, Total	ND		mg/kg	4.00	0.616	1	11/25/20 11:25	11/26/20 08:12	1,6010D	BV
Manganese, Total	0.796		mg/kg	0.400	0.064	1	11/25/20 11:25	11/26/20 08:12	1,6010D	BV
Nickel, Total	ND		mg/kg	1.00	0.097	1	11/25/20 11:25	11/26/20 08:12	1,6010D	BV
Potassium, Total	ND		mg/kg	100	5.76	1	11/25/20 11:25	11/26/20 08:12	1,6010D	BV
Selenium, Total	ND		mg/kg	0.800	0.103	1	11/25/20 11:25	11/26/20 08:12	1,6010D	BV
Silver, Total	ND		mg/kg	0.400	0.113	1	11/25/20 11:25	11/26/20 08:12	1,6010D	BV
Sodium, Total	1.44	J	mg/kg	80.0	1.26	1	11/25/20 11:25	11/26/20 08:12	1,6010D	BV
Thallium, Total	ND		mg/kg	0.800	0.126	1	11/25/20 11:25	11/26/20 08:12	1,6010D	BV
Vanadium, Total	ND		mg/kg	0.400	0.081	1	11/25/20 11:25	11/26/20 08:12	1,6010D	BV
Zinc, Total	ND		mg/kg	2.00	0.117	1	11/25/20 11:25	11/26/20 08:12	1,6010D	BV

### Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-08 Batch: WG1438103-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	11/25/20 12:08	11/25/20 13:53	1,7471B	EW



**Project Name:** 266-270 W. 96TH STREET

**Lab Number:** L2051747

**Project Number:** 170432001

**Report Date:** 11/29/20

## **Method Blank Analysis Batch Quality Control**

### **Prep Information**

---

Digestion Method: EPA 7471B

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 266-270 W. 96TH STREET

**Project Number:** 170432001

**Lab Number:** L2051747

**Report Date:** 11/29/20

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Total Metals - Mansfield Lab Associated sample(s): 01-08 Batch: WG1438100-2 SRM Lot Number: D109-540								
Aluminum, Total	65		-		50-150	-		
Antimony, Total	154		-		19-250	-		
Arsenic, Total	102		-		70-130	-		
Barium, Total	93		-		75-125	-		
Beryllium, Total	91		-		75-125	-		
Cadmium, Total	90		-		75-125	-		
Calcium, Total	93		-		73-128	-		
Chromium, Total	96		-		70-130	-		
Cobalt, Total	92		-		75-125	-		
Copper, Total	99		-		75-125	-		
Iron, Total	100		-		35-165	-		
Lead, Total	98		-		72-128	-		
Magnesium, Total	86		-		62-138	-		
Manganese, Total	89		-		74-126	-		
Nickel, Total	94		-		70-130	-		
Potassium, Total	84		-		59-141	-		
Selenium, Total	96		-		68-132	-		
Silver, Total	102		-		68-131	-		
Sodium, Total	101		-		35-165	-		
Thallium, Total	94		-		68-131	-		
Vanadium, Total	100		-		59-141	-		



## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 266-270 W. 96TH STREET

**Project Number:** 170432001

**Lab Number:** L2051747

**Report Date:** 11/29/20

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-08 Batch: WG1438100-2 SRM Lot Number: D109-540					
Zinc, Total	96	-	70-130	-	
Total Metals - Mansfield Lab Associated sample(s): 01-08 Batch: WG1438103-2 SRM Lot Number: D109-540					
Mercury, Total	100	-	60-140	-	

### Matrix Spike Analysis Batch Quality Control

Project Name: 266-270 W. 96TH STREET

Lab Number: L2051747

Project Number: 170432001

Report Date: 11/29/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-08 QC Batch ID: WG1438100-3 WG1438100-4 QC Sample: L2051747-01 Client ID: SB11_0-2												
Aluminum, Total	8590	179	9150	313	Q	9340	431	Q	75-125	2		20
Antimony, Total	ND	44.7	39.2	88		38.2	88		75-125	3		20
Arsenic, Total	4.59	10.7	15.0	97		14.9	99		75-125	1		20
Barium, Total	18.8	179	179	90		181	93		75-125	1		20
Beryllium, Total	0.283J	4.47	4.26	95		4.19	96		75-125	2		20
Cadmium, Total	0.575J	4.56	4.82	106		4.73	106		75-125	2		20
Calcium, Total	597	893	1710	124		1540	108		75-125	10		20
Chromium, Total	11.3	17.9	27.8	92		27.9	95		75-125	0		20
Cobalt, Total	7.56	44.7	46.2	86		45.7	88		75-125	1		20
Copper, Total	19.3	22.3	40.8	96		40.9	99		75-125	0		20
Iron, Total	18000	89.3	18300	336	Q	18600	690	Q	75-125	2		20
Lead, Total	9.20	45.6	50.9	92		51.9	96		75-125	2		20
Magnesium, Total	3450	893	4320	97		4380	107		75-125	1		20
Manganese, Total	255	44.7	314	132	Q	321	152	Q	75-125	2		20
Nickel, Total	14.3	44.7	52.5	86		51.3	85		75-125	2		20
Potassium, Total	343	893	1170	92		1180	96		75-125	1		20
Selenium, Total	ND	10.7	9.97	93		9.47	91		75-125	5		20
Silver, Total	ND	26.8	25.4	95		25.4	97		75-125	0		20
Sodium, Total	29.2J	893	878	98		870	100		75-125	1		20
Thallium, Total	0.438J	10.7	10.0	93		9.26	89		75-125	8		20
Vanadium, Total	12.8	44.7	52.0	88		52.6	91		75-125	1		20

**Matrix Spike Analysis**  
Batch Quality Control

**Project Name:** 266-270 W. 96TH STREET

**Lab Number:** L2051747

**Project Number:** 170432001

**Report Date:** 11/29/20

<b>Parameter</b>	<b>Native Sample</b>	<b>MS Added</b>	<b>MS Found</b>	<b>MS %Recovery</b>	<b>MSD Found</b>	<b>MSD %Recovery</b>	<b>Recovery Limits</b>	<b>RPD</b>	<b>RPD Limits</b>
Total Metals - Mansfield Lab Associated sample(s): 01-08 QC Batch ID: WG1438100-3 WG1438100-4 QC Sample: L2051747-01 Client ID: SB11_0-2									
Zinc, Total	45.4	44.7	87.2	94	86.2	94	75-125	1	20

### Matrix Spike Analysis Batch Quality Control

Project Name: 266-270 W. 96TH STREET

Lab Number: L2051747

Project Number: 170432001

Report Date: 11/29/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits		
Total Metals - Mansfield Lab Associated sample(s): 01-08 QC Batch ID: WG1438100-7 WG1438100-8 QC Sample: L2051747-05 Client ID: SB10_3.5-5											
Aluminum, Total	8740	177	9360	351	Q	9230	278	Q	75-125	1	20
Antimony, Total	ND	44.2	37.0	84		38.6	87		75-125	4	20
Arsenic, Total	4.49	10.6	15.0	99		14.8	97		75-125	1	20
Barium, Total	28.6	177	187	90		187	90		75-125	0	20
Beryllium, Total	0.288J	4.42	4.31	98		4.27	97		75-125	1	20
Cadmium, Total	0.622J	4.5	4.93	109		4.88	108		75-125	1	20
Calcium, Total	1280	883	1250	0	Q	1430	17	Q	75-125	13	20
Chromium, Total	12.4	17.7	28.0	88		28.1	89		75-125	0	20
Cobalt, Total	8.44	44.2	47.7	89		46.9	87		75-125	2	20
Copper, Total	15.3	22.1	38.4	105		37.5	101		75-125	2	20
Iron, Total	17600	88.3	18300	792	Q	18100	566	Q	75-125	1	20
Lead, Total	29.2	45	63.3	76		60.2	69	Q	75-125	5	20
Magnesium, Total	3450	883	4330	100		4390	106		75-125	1	20
Manganese, Total	434	44.2	528	213	Q	439	11	Q	75-125	18	20
Nickel, Total	15.4	44.2	53.5	86		53.6	86		75-125	0	20
Potassium, Total	580	883	1270	78		1440	97		75-125	13	20
Selenium, Total	0.378J	10.6	9.85	93		9.74	92		75-125	1	20
Silver, Total	ND	26.5	25.9	98		25.7	97		75-125	1	20
Sodium, Total	49.8J	883	900	102		906	103		75-125	1	20
Thallium, Total	0.622J	10.6	9.83	93		10.2	96		75-125	4	20
Vanadium, Total	13.6	44.2	52.4	88		52.8	89		75-125	1	20

### Matrix Spike Analysis Batch Quality Control

**Project Name:** 266-270 W. 96TH STREET

**Lab Number:** L2051747

**Project Number:** 170432001

**Report Date:** 11/29/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-08 QC Batch ID: WG1438100-7 WG1438100-8 QC Sample: L2051747-05 Client ID: SB10_3.5-5									
Zinc, Total	49.4	44.2	90.9	94	88.2	88	75-125	3	20
Total Metals - Mansfield Lab Associated sample(s): 01-08 QC Batch ID: WG1438103-3 WG1438103-4 QC Sample: L2051747-01 Client ID: SB11_0-2									
Mercury, Total	ND	0.146	0.163	112	0.196	113	80-120	18	20
Total Metals - Mansfield Lab Associated sample(s): 01-08 QC Batch ID: WG1438103-5 WG1438103-6 QC Sample: L2051747-05 Client ID: SB10_3.5-5									
Mercury, Total	ND	0.144	0.203	141	Q	0.214	Q	5	20

# **INORGANICS & MISCELLANEOUS**

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051747  
**Report Date:** 11/29/20

**SAMPLE RESULTS**

**Lab ID:** L2051747-01  
**Client ID:** SB11\_0-2  
**Sample Location:** NEW YORK, NEW YORK

**Date Collected:** 11/19/20 10:45  
**Date Received:** 11/19/20  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	88.2		%	0.100	NA	1	-	11/20/20 13:03	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.1	0.22	1	11/20/20 16:40	11/24/20 11:04	1,9010C/9012B	CR
Chromium, Hexavalent	0.215	J	mg/kg	0.907	0.181	1	11/22/20 23:50	11/24/20 21:00	1,7196A	JT



**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051747  
**Report Date:** 11/29/20

**SAMPLE RESULTS**

**Lab ID:** L2051747-02  
**Client ID:** SB11\_4-5  
**Sample Location:** NEW YORK, NEW YORK

**Date Collected:** 11/19/20 11:05  
**Date Received:** 11/19/20  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	86.0		%	0.100	NA	1	-	11/20/20 13:03	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.2	0.25	1	11/20/20 16:40	11/24/20 11:07	1,9010C/9012B	CR
Chromium, Hexavalent	ND		mg/kg	0.930	0.186	1	11/22/20 23:50	11/24/20 21:00	1,7196A	JT





**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051747  
**Report Date:** 11/29/20

**SAMPLE RESULTS**

**Lab ID:** L2051747-03  
**Client ID:** SB11\_5-6  
**Sample Location:** NEW YORK, NEW YORK

**Date Collected:** 11/19/20 11:30  
**Date Received:** 11/19/20  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	85.6		%	0.100	NA	1	-	11/20/20 13:03	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.1	0.23	1	11/20/20 16:40	11/24/20 11:08	1,9010C/9012B	CR
Chromium, Hexavalent	ND		mg/kg	0.934	0.187	1	11/22/20 23:50	11/24/20 21:00	1,7196A	JT



**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051747  
**Report Date:** 11/29/20

**SAMPLE RESULTS**

**Lab ID:** L2051747-04  
**Client ID:** SB10\_0-2  
**Sample Location:** NEW YORK, NEW YORK

**Date Collected:** 11/19/20 12:30  
**Date Received:** 11/19/20  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	88.6		%	0.100	NA	1	-	11/20/20 13:03	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.0	0.22	1	11/20/20 16:40	11/24/20 11:09	1,9010C/9012B	CR
Chromium, Hexavalent	ND		mg/kg	0.903	0.180	1	11/22/20 23:50	11/24/20 21:00	1,7196A	JT



**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051747  
**Report Date:** 11/29/20

**SAMPLE RESULTS**

**Lab ID:** L2051747-05  
**Client ID:** SB10\_3.5-5  
**Sample Location:** NEW YORK, NEW YORK

**Date Collected:** 11/19/20 12:40  
**Date Received:** 11/19/20  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	87.7		%	0.100	NA	1	-	11/20/20 13:03	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.0	0.22	1	11/20/20 16:40	11/24/20 11:24	1,9010C/9012B	CR
Chromium, Hexavalent	ND		mg/kg	0.912	0.182	1	11/24/20 17:35	11/25/20 19:00	1,7196A	CM



**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051747  
**Report Date:** 11/29/20

**SAMPLE RESULTS**

**Lab ID:** L2051747-06  
**Client ID:** SB09\_0-2  
**Sample Location:** NEW YORK, NEW YORK

**Date Collected:** 11/19/20 14:00  
**Date Received:** 11/19/20  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	86.1		%	0.100	NA	1	-	11/20/20 13:03	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.1	0.24	1	11/20/20 16:40	11/24/20 11:10	1,9010C/9012B	CR
Chromium, Hexavalent	ND		mg/kg	0.929	0.186	1	11/22/20 23:50	11/24/20 21:00	1,7196A	JT



**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051747  
**Report Date:** 11/29/20

**SAMPLE RESULTS**

**Lab ID:** L2051747-07  
**Client ID:** SB09\_4-6  
**Sample Location:** NEW YORK, NEW YORK

**Date Collected:** 11/19/20 14:15  
**Date Received:** 11/19/20  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	82.4		%	0.100	NA	1	-	11/20/20 13:03	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.2	0.25	1	11/20/20 16:40	11/24/20 11:11	1,9010C/9012B	CR
Chromium, Hexavalent	ND		mg/kg	0.971	0.194	1	11/22/20 23:50	11/24/20 21:00	1,7196A	JT



**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051747  
**Report Date:** 11/29/20

**SAMPLE RESULTS**

**Lab ID:** L2051747-08  
**Client ID:** DUP02\_11192020  
**Sample Location:** NEW YORK, NEW YORK

**Date Collected:** 11/19/20 00:00  
**Date Received:** 11/19/20  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	88.6		%	0.100	NA	1	-	11/20/20 13:03	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.1	0.23	1	11/20/20 16:40	11/24/20 11:12	1,9010C/9012B	CR
Chromium, Hexavalent	ND		mg/kg	0.903	0.180	1	11/24/20 17:35	11/25/20 19:00	1,7196A	CM



**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051747  
**Report Date:** 11/29/20

**Method Blank Analysis**  
**Batch Quality Control**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01-04,06-08 Batch: WG1436725-1										
Cyanide, Total	ND		mg/kg	0.97	0.21	1	11/20/20 16:40	11/24/20 10:53	1,9010C/9012B	CR
General Chemistry - Westborough Lab for sample(s): 05 Batch: WG1436727-1										
Cyanide, Total	ND		mg/kg	0.97	0.21	1	11/20/20 16:40	11/24/20 11:27	1,9010C/9012B	CR
General Chemistry - Westborough Lab for sample(s): 01-04,06-07 Batch: WG1437333-1										
Chromium, Hexavalent	0.200	J	mg/kg	0.800	0.160	1	11/22/20 23:50	11/24/20 21:00	1,7196A	JT
General Chemistry - Westborough Lab for sample(s): 05,08 Batch: WG1438123-1										
Chromium, Hexavalent	ND		mg/kg	0.800	0.160	1	11/24/20 17:35	11/25/20 19:00	1,7196A	CM

## Lab Control Sample Analysis

Batch Quality Control

Project Name: 266-270 W. 96TH STREET

Project Number: 170432001

Lab Number: L2051747

Report Date: 11/29/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-04,06-08 Batch: WG1436725-2 WG1436725-3								
Cyanide, Total	66	Q	63	Q	80-120	4		35
General Chemistry - Westborough Lab Associated sample(s): 05 Batch: WG1436727-2 WG1436727-3								
Cyanide, Total	66	Q	63	Q	80-120	5		35
General Chemistry - Westborough Lab Associated sample(s): 01-04,06-07 Batch: WG1437333-2								
Chromium, Hexavalent	86		-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 05,08 Batch: WG1438123-2								
Chromium, Hexavalent	82		-		80-120	-		20



### Matrix Spike Analysis Batch Quality Control

**Project Name:** 266-270 W. 96TH STREET

**Lab Number:** L2051747

**Project Number:** 170432001

**Report Date:** 11/29/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Qual	MSD Found	MSD %Recovery	MSD Qual	Recovery Limits	RPD Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-04,06-08 QC Batch ID: WG1436725-4 WG1436725-5 QC Sample: L2051747-01 Client ID: SB11_0-2											
Cyanide, Total	ND	10	9.7	94		8.0	76		75-125	19	35
General Chemistry - Westborough Lab Associated sample(s): 05 QC Batch ID: WG1436727-4 WG1436727-5 QC Sample: L2051747-05 Client ID: SB10_3.5-5											
Cyanide, Total	ND	11	11	98		8.7	84		75-125	23	35
General Chemistry - Westborough Lab Associated sample(s): 01-04,06-07 QC Batch ID: WG1437333-4 WG1437333-5 QC Sample: L2051747-01 Client ID: SB11_0-2											
Chromium, Hexavalent	0.215J	1260	1290	103		1350	98		75-125	5	20
General Chemistry - Westborough Lab Associated sample(s): 05,08 QC Batch ID: WG1438123-4 WG1438123-5 QC Sample: L2051747-05 Client ID: SB10_3.5-5											
Chromium, Hexavalent	ND	1050	1090	104		860	110		75-125	6	20

## Lab Duplicate Analysis

*Batch Quality Control*

**Project Name:** 266-270 W. 96TH STREET

**Project Number:** 170432001

**Lab Number:** L2051747

**Report Date:** 11/29/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG1436709-1 QC Sample: L2051747-01 Client ID: SB11_0-2						
Solids, Total	88.2	87.7	%	1		20
General Chemistry - Westborough Lab Associated sample(s): 01-04,06-07 QC Batch ID: WG1437333-8 QC Sample: L2051747-01 Client ID: SB11_0-2						
Chromium, Hexavalent	0.215J	ND	mg/kg	NC		20
General Chemistry - Westborough Lab Associated sample(s): 05,08 QC Batch ID: WG1438123-7 QC Sample: L2051747-05 Client ID: SB10_3.5-5						
Chromium, Hexavalent	ND	ND	mg/kg	NC		20

**Project Name:** 266-270 W. 96TH STREET**Lab Number:** L2051747**Project Number:** 170432001**Report Date:** 11/29/20**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

**Cooler Information**

<b>Cooler</b>	<b>Custody Seal</b>
A	Absent
B	Absent
C	Absent

**Container Information**

<b>Container ID</b>	<b>Container Type</b>	<b>Cooler</b>	<b>Initial pH</b>	<b>Final pH</b>	<b>Temp deg C</b>	<b>Pres</b>	<b>Seal</b>	<b>Frozen Date/Time</b>	<b>Analysis(*)</b>
L2051747-01A	Vial MeOH preserved	B	NA		4.2	Y	Absent		NYTCL-8260HLW(14)
L2051747-01A1	Vial MeOH preserved	B	NA		4.2	Y	Absent		NYTCL-8260HLW(14)
L2051747-01A2	Vial MeOH preserved	B	NA		4.2	Y	Absent		NYTCL-8260HLW(14)
L2051747-01B	Vial water preserved	B	NA		4.2	Y	Absent	20-NOV-20 10:20	NYTCL-8260HLW(14)
L2051747-01B1	Vial water preserved	B	NA		4.2	Y	Absent	20-NOV-20 10:20	NYTCL-8260HLW(14)
L2051747-01B2	Vial water preserved	B	NA		4.2	Y	Absent	20-NOV-20 10:20	NYTCL-8260HLW(14)
L2051747-01C	Vial water preserved	B	NA		4.2	Y	Absent	20-NOV-20 10:20	NYTCL-8260HLW(14)
L2051747-01C1	Vial water preserved	B	NA		4.2	Y	Absent	20-NOV-20 10:20	NYTCL-8260HLW(14)
L2051747-01C2	Vial water preserved	B	NA		4.2	Y	Absent	20-NOV-20 10:20	NYTCL-8260HLW(14)
L2051747-01D	Bacteria Cup unpreserved	A	NA		5.0	Y	Absent		TS(7)
L2051747-01D1	Bacteria Cup unpreserved	A	NA		5.0	Y	Absent		TS(7)
L2051747-01D2	Bacteria Cup unpreserved	A	NA		5.0	Y	Absent		TS(7)
L2051747-01E	Plastic 2oz unpreserved for TS	B	NA		4.2	Y	Absent		TS(7)
L2051747-01E1	Plastic 2oz unpreserved for TS	B	NA		4.2	Y	Absent		TS(7)
L2051747-01E2	Plastic 2oz unpreserved for TS	B	NA		4.2	Y	Absent		TS(7)
L2051747-01F	Metals Only-Glass 60mL/2oz unpreserved	B	NA		4.2	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),NI-TI(180),CR-TI(180),TL-TI(180),ZN-TI(180),SB-TI(180),PB-TI(180),SE-TI(180),CU-TI(180),V-TI(180),CO-TI(180),HG-T(28),MG-TI(180),MN-TI(180),FE-TI(180),CA-TI(180),NA-TI(180),K-TI(180),CD-TI(180)

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Serial\_No:** 11292017:42  
**Lab Number:** L2051747  
**Report Date:** 11/29/20

**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2051747-01F1	Metals Only-Glass 60mL/2oz unpreserved	B	NA		4.2	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),NI-TI(180),CR-TI(180),TL-TI(180),ZN-TI(180),SB-TI(180),PB-TI(180),SE-TI(180),CU-TI(180),V-TI(180),CO-TI(180),HG-T(28),MG-TI(180),MN-TI(180),FE-TI(180),CA-TI(180),NA-TI(180),K-TI(180),CD-TI(180)
L2051747-01F2	Metals Only-Glass 60mL/2oz unpreserved	B	NA		4.2	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),NI-TI(180),CR-TI(180),TL-TI(180),ZN-TI(180),SB-TI(180),PB-TI(180),SE-TI(180),CU-TI(180),V-TI(180),CO-TI(180),HG-T(28),MG-TI(180),MN-TI(180),FE-TI(180),CA-TI(180),NA-TI(180),K-TI(180),CD-TI(180)
L2051747-01G	Glass 120ml/4oz unpreserved	B	NA		4.2	Y	Absent		TCN-9010(14),NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30)
L2051747-01G1	Glass 120ml/4oz unpreserved	B	NA		4.2	Y	Absent		TCN-9010(14),NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30)
L2051747-01G2	Glass 120ml/4oz unpreserved	B	NA		4.2	Y	Absent		TCN-9010(14),NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30)
L2051747-01H	Glass 250ml/8oz unpreserved	B	NA		4.2	Y	Absent		TCN-9010(14),NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30)
L2051747-01H1	Glass 250ml/8oz unpreserved	B	NA		4.2	Y	Absent		TCN-9010(14),NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30)
L2051747-01H2	Glass 250ml/8oz unpreserved	B	NA		4.2	Y	Absent		TCN-9010(14),NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30)
L2051747-01I	Plastic 8oz unpreserved	A	NA		5.0	Y	Absent		A2-NY-537-ISOTOPE(14)
L2051747-01I1	Plastic 8oz unpreserved	A	NA		5.0	Y	Absent		A2-NY-537-ISOTOPE(14)
L2051747-01I2	Plastic 8oz unpreserved	A	NA		5.0	Y	Absent		A2-NY-537-ISOTOPE(14)
L2051747-02A	Vial MeOH preserved	B	NA		4.2	Y	Absent		NYTCL-8260HLW(14)
L2051747-02B	Vial water preserved	B	NA		4.2	Y	Absent	20-NOV-20 10:20	NYTCL-8260HLW(14)
L2051747-02C	Vial water preserved	B	NA		4.2	Y	Absent	20-NOV-20 10:20	NYTCL-8260HLW(14)
L2051747-02D	Bacteria Cup unpreserved	A	NA		5.0	Y	Absent		TS(7)
L2051747-02E	Plastic 2oz unpreserved for TS	B	NA		4.2	Y	Absent		TS(7)
L2051747-02F	Metals Only-Glass 60mL/2oz unpreserved	B	NA		4.2	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),SB-TI(180),CU-TI(180),CO-TI(180),V-TI(180),MG-TI(180),FE-TI(180),HG-T(28),MN-TI(180),K-TI(180),CD-TI(180),CA-TI(180),NA-TI(180)
L2051747-02G	Glass 120ml/4oz unpreserved	B	NA		4.2	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30)

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Serial\_No:** 11292017:42  
**Lab Number:** L2051747  
**Report Date:** 11/29/20

**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2051747-02H	Glass 250ml/8oz unpreserved	B	NA		4.2	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30)
L2051747-02I	Plastic 8oz unpreserved	A	NA		5.0	Y	Absent		A2-NY-537-ISOTOPE(14)
L2051747-03A	Vial MeOH preserved	B	NA		4.2	Y	Absent		NYTCL-8260HLW(14)
L2051747-03B	Vial water preserved	B	NA		4.2	Y	Absent	20-NOV-20 10:20	NYTCL-8260HLW(14)
L2051747-03C	Vial water preserved	B	NA		4.2	Y	Absent	20-NOV-20 10:20	NYTCL-8260HLW(14)
L2051747-03D	Bacteria Cup unpreserved	A	NA		5.0	Y	Absent		TS(7)
L2051747-03E	Plastic 2oz unpreserved for TS	B	NA		4.2	Y	Absent		TS(7)
L2051747-03F	Metals Only-Glass 60mL/2oz unpreserved	B	NA		4.2	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),NI-TI(180),TL-TI(180),AL-TI(180),CR-TI(180),ZN-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),SB-TI(180),CO-TI(180),V-TI(180),HG-T(28),MN-TI(180),MG-TI(180),FE-TI(180),CD-TI(180),CA-TI(180),K-TI(180),NA-TI(180)
L2051747-03G	Glass 120ml/4oz unpreserved	B	NA		4.2	Y	Absent		TCN-9010(14),NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30)
L2051747-03H	Glass 250ml/8oz unpreserved	B	NA		4.2	Y	Absent		TCN-9010(14),NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30)
L2051747-03I	Plastic 8oz unpreserved	A	NA		5.0	Y	Absent		A2-NY-537-ISOTOPE(14)
L2051747-04A	Vial MeOH preserved	B	NA		4.2	Y	Absent		NYTCL-8260HLW(14)
L2051747-04B	Vial water preserved	B	NA		4.2	Y	Absent	20-NOV-20 10:20	NYTCL-8260HLW(14)
L2051747-04C	Vial water preserved	B	NA		4.2	Y	Absent	20-NOV-20 10:20	NYTCL-8260HLW(14)
L2051747-04D	Bacteria Cup unpreserved	A	NA		5.0	Y	Absent		TS(7)
L2051747-04E	Plastic 2oz unpreserved for TS	B	NA		4.2	Y	Absent		TS(7)
L2051747-04F	Metals Only-Glass 60mL/2oz unpreserved	B	NA		4.2	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),TL-TI(180),NI-TI(180),AL-TI(180),CR-TI(180),SB-TI(180),PB-TI(180),SE-TI(180),CU-TI(180),ZN-TI(180),V-TI(180),CO-TI(180),HG-T(28),FE-TI(180),MG-TI(180),MN-TI(180),NA-TI(180),CA-TI(180),CD-TI(180),K-TI(180)
L2051747-04G	Glass 120ml/4oz unpreserved	B	NA		4.2	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30)
L2051747-04H	Glass 250ml/8oz unpreserved	B	NA		4.2	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30)
L2051747-04I	Plastic 8oz unpreserved	A	NA		5.0	Y	Absent		A2-NY-537-ISOTOPE(14)
L2051747-05A	Vial MeOH preserved	B	NA		4.2	Y	Absent		NYTCL-8260HLW(14)
L2051747-05A1	Vial MeOH preserved	C	NA		5.7	Y	Absent		NYTCL-8260HLW(14)

Project Name: 266-270 W. 96TH STREET

Lab Number: L2051747

Project Number: 170432001

Report Date: 11/29/20

**Container Information**

<b>Container ID</b>	<b>Container Type</b>	<b>Cooler</b>	<b>Initial pH</b>	<b>Final pH</b>	<b>Temp deg C</b>	<b>Pres</b>	<b>Seal</b>	<b>Frozen Date/Time</b>	<b>Analysis(*)</b>
L2051747-05A2	Vial MeOH preserved	C	NA		5.7	Y	Absent		NYTCL-8260HLW(14)
L2051747-05B	Vial water preserved	B	NA		4.2	Y	Absent	20-NOV-20 10:20	NYTCL-8260HLW(14)
L2051747-05B1	Vial water preserved	C	NA		5.7	Y	Absent	20-NOV-20 10:20	NYTCL-8260HLW(14)
L2051747-05B2	Vial water preserved	C	NA		5.7	Y	Absent	20-NOV-20 10:20	NYTCL-8260HLW(14)
L2051747-05C	Vial water preserved	B	NA		4.2	Y	Absent	20-NOV-20 10:20	NYTCL-8260HLW(14)
L2051747-05C1	Vial water preserved	C	NA		5.7	Y	Absent	20-NOV-20 10:20	NYTCL-8260HLW(14)
L2051747-05C2	Vial water preserved	C	NA		5.7	Y	Absent	20-NOV-20 10:20	NYTCL-8260HLW(14)
L2051747-05D	Bacteria Cup unpreserved	A	NA		5.0	Y	Absent		TS(7)
L2051747-05D1	Bacteria Cup unpreserved	A	NA		5.0	Y	Absent		TS(7)
L2051747-05D2	Bacteria Cup unpreserved	A	NA		5.0	Y	Absent		TS(7)
L2051747-05E	Plastic 2oz unpreserved for TS	B	NA		4.2	Y	Absent		TS(7)
L2051747-05E1	Plastic 2oz unpreserved for TS	C	NA		5.7	Y	Absent		TS(7)
L2051747-05E2	Plastic 2oz unpreserved for TS	C	NA		5.7	Y	Absent		TS(7)
L2051747-05F	Metals Only-Glass 60mL/2oz unpreserved	B	NA		4.2	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),TL-TI(180),CR-TI(180),AL-TI(180),NI-TI(180),ZN-TI(180),SB-TI(180),PB-TI(180),SE-TI(180),CU-TI(180),CO-TI(180),V-TI(180),HG-T(28),MG-TI(180),FE-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),NA-TI(180),K-TI(180)
L2051747-05F1	Metals Only-Glass 60mL/2oz unpreserved	C	NA		5.7	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),TL-TI(180),CR-TI(180),AL-TI(180),NI-TI(180),ZN-TI(180),SB-TI(180),PB-TI(180),SE-TI(180),CU-TI(180),CO-TI(180),V-TI(180),HG-T(28),MG-TI(180),FE-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),NA-TI(180),K-TI(180)
L2051747-05F2	Metals Only-Glass 60mL/2oz unpreserved	C	NA		5.7	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),TL-TI(180),CR-TI(180),AL-TI(180),NI-TI(180),ZN-TI(180),SB-TI(180),PB-TI(180),SE-TI(180),CU-TI(180),CO-TI(180),V-TI(180),HG-T(28),MG-TI(180),FE-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),NA-TI(180),K-TI(180)
L2051747-05G	Glass 120ml/4oz unpreserved	B	NA		4.2	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30)
L2051747-05G1	Glass 120ml/4oz unpreserved	C	NA		5.7	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30)
L2051747-05G2	Glass 120ml/4oz unpreserved	C	NA		5.7	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30)
L2051747-05H	Glass 250ml/8oz unpreserved	B	NA		4.2	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30)

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Serial\_No:**11292017:42  
**Lab Number:** L2051747  
**Report Date:** 11/29/20

**Container Information**

<b>Container ID</b>	<b>Container Type</b>	<b>Cooler</b>	<b>Initial pH</b>	<b>Final pH</b>	<b>Temp deg C</b>	<b>Pres</b>	<b>Seal</b>	<b>Frozen Date/Time</b>	<b>Analysis(*)</b>
L2051747-05H1	Glass 250ml/8oz unpreserved	C	NA		5.7	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30)
L2051747-05H2	Glass 250ml/8oz unpreserved	C	NA		5.7	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30)
L2051747-05I	Plastic 8oz unpreserved	A	NA		5.0	Y	Absent		A2-NY-537-ISOTOPE(14)
L2051747-05I1	Plastic 8oz unpreserved	A	NA		5.0	Y	Absent		A2-NY-537-ISOTOPE(14)
L2051747-05I2	Plastic 8oz unpreserved	A	NA		5.0	Y	Absent		A2-NY-537-ISOTOPE(14)
L2051747-06A	Vial MeOH preserved	C	NA		5.7	Y	Absent		NYTCL-8260HLW(14)
L2051747-06B	Vial water preserved	C	NA		5.7	Y	Absent	20-NOV-20 10:20	NYTCL-8260HLW(14)
L2051747-06C	Vial water preserved	C	NA		5.7	Y	Absent	20-NOV-20 10:20	NYTCL-8260HLW(14)
L2051747-06D	Bacteria Cup unpreserved	A	NA		5.0	Y	Absent		TS(7)
L2051747-06E	Plastic 2oz unpreserved for TS	C	NA		5.7	Y	Absent		TS(7)
L2051747-06F	Metals Only-Glass 60mL/2oz unpreserved	C	NA		5.7	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),NI-TI(180),AL-TI(180),CR-TI(180),TL-TI(180),SE-TI(180),PB-TI(180),SB-TI(180),ZN-TI(180),CU-TI(180),V-TI(180),CO-TI(180),MN-TI(180),HG-T(28),FE-TI(180),MG-TI(180),K-TI(180),NA-TI(180),CA-TI(180),CD-TI(180)
L2051747-06G	Glass 120ml/4oz unpreserved	C	NA		5.7	Y	Absent		TCN-9010(14),NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30)
L2051747-06H	Glass 250ml/8oz unpreserved	C	NA		5.7	Y	Absent		TCN-9010(14),NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30)
L2051747-06I	Plastic 8oz unpreserved	A	NA		5.0	Y	Absent		A2-NY-537-ISOTOPE(14)
L2051747-07A	Vial MeOH preserved	C	NA		5.7	Y	Absent		NYTCL-8260HLW(14)
L2051747-07B	Vial water preserved	C	NA		5.7	Y	Absent	20-NOV-20 10:20	NYTCL-8260HLW(14)
L2051747-07C	Vial water preserved	C	NA		5.7	Y	Absent	20-NOV-20 10:20	NYTCL-8260HLW(14)
L2051747-07D	Bacteria Cup unpreserved	A	NA		5.0	Y	Absent		TS(7)
L2051747-07E	Plastic 2oz unpreserved for TS	C	NA		5.7	Y	Absent		TS(7)
L2051747-07F	Metals Only-Glass 60mL/2oz unpreserved	C	NA		5.7	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),TL-TI(180),AL-TI(180),NI-TI(180),SB-TI(180),CU-TI(180),ZN-TI(180),PB-TI(180),SE-TI(180),V-TI(180),CO-TI(180),HG-T(28),FE-TI(180),MN-TI(180),MG-TI(180),NA-TI(180),CA-TI(180),K-TI(180),CD-TI(180)
L2051747-07G	Glass 120ml/4oz unpreserved	C	NA		5.7	Y	Absent		TCN-9010(14),NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30)

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Serial\_No:**11292017:42  
**Lab Number:** L2051747  
**Report Date:** 11/29/20

**Container Information**

<b>Container ID</b>	<b>Container Type</b>	<b>Cooler</b>	<b>Initial pH</b>	<b>Final pH</b>	<b>Temp deg C</b>	<b>Pres</b>	<b>Seal</b>	<b>Frozen Date/Time</b>	<b>Analysis(*)</b>
L2051747-07H	Glass 250ml/8oz unpreserved	C	NA		5.7	Y	Absent		TCN-9010(14),NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30)
L2051747-07I	Plastic 8oz unpreserved	A	NA		5.0	Y	Absent		A2-NY-537-ISOTOPE(14)
L2051747-08A	Vial MeOH preserved	B	NA		4.2	Y	Absent		NYTCL-8260HLW(14)
L2051747-08B	Vial water preserved	B	NA		4.2	Y	Absent	20-NOV-20 10:20	NYTCL-8260HLW(14)
L2051747-08C	Vial water preserved	B	NA		4.2	Y	Absent	20-NOV-20 10:20	NYTCL-8260HLW(14)
L2051747-08D	Bacteria Cup unpreserved	A	NA		5.0	Y	Absent		TS(7)
L2051747-08E	Plastic 2oz unpreserved for TS	C	NA		5.7	Y	Absent		TS(7)
L2051747-08F	Metals Only-Glass 60mL/2oz unpreserved	B	NA		4.2	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),AL-TI(180),NI-TI(180),TL-TI(180),SE-TI(180),ZN-TI(180),PB-TI(180),CU-TI(180),SB-TI(180),CO-TI(180),V-TI(180),HG-T(28),FE-TI(180),MN-TI(180),MG-TI(180),CA-TI(180),K-TI(180),NA-TI(180),CD-TI(180)
L2051747-08G	Glass 120ml/4oz unpreserved	B	NA		4.2	Y	Absent		TCN-9010(14),NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30)
L2051747-08H	Glass 250ml/8oz unpreserved	B	NA		4.2	Y	Absent		TCN-9010(14),NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30)
L2051747-08I	Plastic 8oz unpreserved	A	NA		5.0	Y	Absent		A2-NY-537-ISOTOPE(14)
L2051747-09A	Vial HCl preserved	B	NA		4.2	Y	Absent		NYTCL-8260(14)
L2051747-09B	Vial HCl preserved	B	NA		4.2	Y	Absent		NYTCL-8260(14)
L2051747-10A	Plastic 250ml unpreserved	A	NA		5.0	Y	Absent		A2-NY-537-ISOTOPE(14)



**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051747  
**Report Date:** 11/29/20

## GLOSSARY

### Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)  Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers



**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051747  
**Report Date:** 11/29/20

#### Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

#### Terms

**Analytical Method:** Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

**Difference:** With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

**Final pH:** As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

**Frozen Date/Time:** With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

**Initial pH:** As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

**PAH Total:** With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benzo(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

**PFAS Total:** With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

**Total:** With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

#### Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where

Report Format: DU Report with 'J' Qualifiers



**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051747  
**Report Date:** 11/29/20

**Data Qualifiers**

the identification is based on a mass spectral library search.

- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051747  
**Report Date:** 11/29/20

## REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.
- 107 Alpha Analytical - In-house calculation method.
- 121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

## LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



## Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

### Westborough Facility

**EPA 624/624.1:** m/p-xylene, o-xylene, Naphthalene

**EPA 8260C:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.

**EPA 8270D:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.

**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO<sub>2</sub>, NO<sub>3</sub>.

### Mansfield Facility

**SM 2540D:** TSS

**EPA 8082A:** NPW: PCB: 1, 5, 31, 87, 101, 110, 141, 151, 153, 180, 183, 187.

**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

**EPA TO-12** Non-methane organics

**EPA 3C** Fixed gases

**Biological Tissue Matrix:** EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

### Westborough Facility:

#### Drinking Water

**EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,**

**EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**

**EPA 332:** Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.

**Microbiology:** **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.**

#### Non-Potable Water

**SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:** Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.

**EPA 624.1:** Volatile Halocarbons & Aromatics,

**EPA 608.3:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

**EPA 625.1:** SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.

**Microbiology:** **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.**

### Mansfield Facility:

#### Drinking Water

**EPA 200.7:** Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.

**EPA 522.**

#### Non-Potable Water

**EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.

**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.


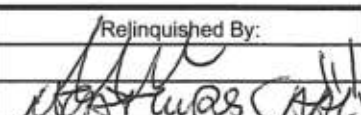
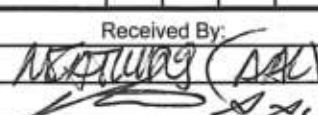
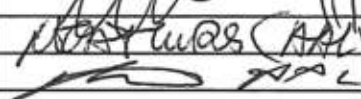
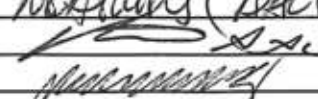
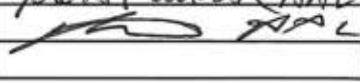

**EPA 245.1** Hg.

**SM2340B**

For a complete listing of analytes and methods, please contact your Alpha Project Manager.



# RI SOIL SAMPLES

 <b>NEW YORK CHAIN OF CUSTODY</b>	<b>Service Centers</b> Mahwah, NJ 07430: 35 Whitney Rd, Suite 5 Albany, NY 12205: 14 Walker Way Tonawanda, NY 14150: 275 Cooper Ave, Suite 105	Page 1 of 1	Date Rec'd in Lab 1/20/20	ALPHA Job # 22051747		
	Westborough, MA 01581 8 Walkup Dr. TEL: 508-898-9220 FAX: 508-898-9193	Mansfield, MA 02048 320 Forbes Blvd TEL: 508-822-9300 FAX: 508-822-3288	<b>Project Information</b> Project Name: <u>W004 266-270 W 96th Street</u> Project Location: <u>New York, New York</u> Project # <u>170432001</u> (Use Project name as Project #) <input type="checkbox"/>		<b>Deliverables</b> <input type="checkbox"/> ASP-A <input type="checkbox"/> EQUIS (1 File) <input type="checkbox"/> Other	<b>Billing Information</b> <input checked="" type="checkbox"/> ASP-B <input type="checkbox"/> EQUIS (4 File) PO #
<b>Client Information</b> Client: <u>LANGAN INC</u> Address: Phone: Fax: Email: <u>KSemone@lann.com</u>	Project Manager: <u>KIMBERLY SEALEN</u> ALPHAQuote #: Turn-Around Time Standard <input checked="" type="checkbox"/> Due Date: Rush (only if pre approved) <input type="checkbox"/> # of Days:	<b>Regulatory Requirement</b> <input type="checkbox"/> NY TOGS <input type="checkbox"/> AWQ Standards <input type="checkbox"/> NY Restricted Use <input type="checkbox"/> NY Unrestricted Use <input type="checkbox"/> NYC Sewer Discharge		<b>Disposal Site Information</b> Please identify below location of applicable disposal facilities. Disposal Facility: <input type="checkbox"/> NJ <input type="checkbox"/> NY <input type="checkbox"/> Other:		
These samples have been previously analyzed by Alpha <input type="checkbox"/>		<b>ANALYSIS</b>		<b>Sample Filtration</b> <input type="checkbox"/> Done <input type="checkbox"/> Lab to do <b>Preservation</b> <input type="checkbox"/> Lab to do (Please Specify below)		
<b>Other project specific requirements/comments:</b> Please email jnanowitz@lann.com *Extra volume for samples Please specify Metals or TAL.		should be analyzed for MS/MSD		Total Bottles		
ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date Time	Sample Matrix	Sampler's Initials	Sample Specific Comments	
051747.0	SB11-0-2	1/19/2020 1045	S	MA	MS/MSD	
051747.0	SB11-4-5	1105				
051747.0	SB11-5-6	1130				
051747.0	SB10-0-2	1230				
051747.0	SB10-35-5	1240			MS/MSD	
051747.0	SB09-0-2	1400				
051747.0	SB09-4-6	1415				
051747.0	DUP02-11192020					
051747.0	SBTB05-11192020	1200	AG			
051747.0	SBFB04-11192020	1040	AG			
Preservative Code: A = None B = HCl C = HNO <sub>3</sub> D = H <sub>2</sub> SO <sub>4</sub> E = NaOH F = MeOH G = NaHSO <sub>4</sub> H = Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> K/E = Zn Ac/NaOH O = Other	Container Code: P = Plastic A = Amber Glass V = Vial G = Glass B = Bacteria Cup C = Cube O = Other E = Encore D = BOD Bottle	Westboro: Certification No: MA935 Mansfield: Certification No: MA015	Container Type Preservative	Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)		
Reinquished By:		Date/Time	Received By:		Date/Time	
		1/19/20 1730			1/19/20 1735	
		1/19/20 1900			1/19/20 2000	
		1/20/20 0015			1/20/20 0015	



[www.alphalab.com](http://www.alphalab.com)



**Alpha Analytical**

**Laboratory Code: 11148**

**SDG Number: L2051957**

*The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.*

## Table of Contents

New York ASP Category B Data Deliverable Package.....	1
Table of Contents .....	2
Sample ID Cross Reference .....	12
SDG Narrative .....	13
Data Qualifier Definitions .....	15
Instrument Information .....	18
Sample Log-in Sheet .....	21
Lims COC (LN01) .....	22
External Chain of Custody .....	23
Organics Analysis .....	24
Semivolatiles Data - Method 8270D .....	25
Semivolatiles QC Summary .....	26
Form 2 - Organics .....	27
Form 3 - Organics .....	28
Form 4 - Organics .....	31
Form 5 - Organics .....	32
Form 8 - Organics .....	38
MDL Study - ABN Extractables .....	42
8270 .....	42
Semivolatiles Sample Data .....	45
Form 1 - Organics .....	46
SB23_5-6 (L2051957-02) Analyzed: 12/03/20 10:20 .....	59
SB23_0-2 (L2051957-01) Analyzed: 12/03/20 18:17 .....	74
SB23_0-2 (L2051957-01) Analyzed: 12/07/20 19:20 .....	106
Semivolatiles Standards Data .....	128
Initial Calibration .....	129
Form 6 - Organics .....	130
ICAL for GCMS5 on 04/02/20 ICAL16639 .....	138
Initial Calibration Summary - Cal Date: 04/02/20 00:00 .....	138
DFTPP Injected on: 04/01/20 22:18 .....	146
DEG Injected on: 04/01/20 22:18 .....	147
Tailing Factor Injected on: 04/01/20 22:18 .....	148
ABNL10 Injected on: 04/01/20 22:40 .....	150
ABNL9 Injected on: 04/01/20 23:03 .....	155
ABNL8 Injected on: 04/01/20 23:25 .....	160
ABNL7 Injected on: 04/01/20 23:48 .....	165
ABNL6 Injected on: 04/02/20 00:11 .....	170
ABNL5 Injected on: 04/02/20 00:33 .....	176
ABNL4 Injected on: 04/02/20 00:56 .....	182
ABNL3 Injected on: 04/02/20 01:18 .....	187
ABNL2 Injected on: 04/02/20 01:40 .....	192
ABNL1 Injected on: 04/02/20 02:03 .....	197
AP9L10 Injected on: 04/02/20 02:25 .....	202
AP9L9 Injected on: 04/02/20 02:48 .....	205
AP9L8 Injected on: 04/02/20 03:11 .....	208
AP9L7 Injected on: 04/02/20 03:33 .....	211
AP9L6 Injected on: 04/02/20 03:56 .....	214
AP9L5 Injected on: 04/02/20 04:19 .....	217
AP9L4 Injected on: 04/02/20 04:41 .....	220
AP9L3 Injected on: 04/02/20 05:04 .....	223



## Table of Contents

AP9L2 Injected on: 04/02/20 05:26 .....	226
AP9L1 Injected on: 04/02/20 05:49 .....	229
AP9 ICV Summary Form Injected on: 04/02/20 06:34 .....	232
AP9 ICV Quant Report Injected on: 04/02/20 06:34 .....	233
DFTPP Injected on: 04/02/20 06:57 .....	250
DEG Injected on: 04/02/20 06:57 .....	251
Tailing Factor Injected on: 04/02/20 06:57 .....	252
ADPL10 Injected on: 04/02/20 07:20 .....	254
ADPL9 Injected on: 04/02/20 07:42 .....	258
ADPL8 Injected on: 04/02/20 08:05 .....	261
ADPL7 Injected on: 04/02/20 08:28 .....	264
ADPL6 Injected on: 04/02/20 08:50 .....	267
ADPL5 Injected on: 04/02/20 09:13 .....	270
ADPL4 Injected on: 04/02/20 09:35 .....	273
ADPL3 Injected on: 04/02/20 09:58 .....	276
ADPL2 Injected on: 04/02/20 10:21 .....	279
ADPL1 Injected on: 04/02/20 10:43 .....	282
ADP ICV Summary Form Injected on: 04/02/20 11:06 .....	285
ADP ICV Quant Report Injected on: 04/02/20 11:06 .....	286
ABN ICV Summary Form Injected on: 04/02/20 11:51 .....	295
ABN ICV Quant Report Injected on: 04/02/20 11:51 .....	298
ICAL for BUFFY on 11/24/20 ICAL17377 .....	380
Initial Calibration Summary - Cal Date: 11/24/20 00:00 .....	380
DFTPP Injected on: 11/20/20 17:10 .....	383
DEG Injected on: 11/20/20 17:10 .....	384
Tailing Factor Injected on: 11/20/20 17:10 .....	385
ABNL10 Injected on: 11/20/20 17:33 .....	387
ABNL9 Injected on: 11/20/20 17:56 .....	395
ABNL8 Injected on: 11/20/20 18:19 .....	402
ABNL7 Injected on: 11/20/20 18:41 .....	408
ABNL6 Injected on: 11/20/20 19:04 .....	414
ABNL5 Injected on: 11/20/20 19:27 .....	420
ABNL4 Injected on: 11/20/20 19:50 .....	426
ABNL3 Injected on: 11/20/20 20:13 .....	433
ABNL2 Injected on: 11/20/20 20:36 .....	438
ABNL1 Injected on: 11/20/20 20:59 .....	445
AP9L10 Injected on: 11/20/20 21:21 .....	452
AP9L9 Injected on: 11/20/20 21:44 .....	455
AP9L8 Injected on: 11/20/20 22:07 .....	458
AP9L7 Injected on: 11/20/20 22:30 .....	461
AP9L6 Injected on: 11/20/20 22:53 .....	464
AP9L5 Injected on: 11/20/20 23:16 .....	467
AP9L4 Injected on: 11/20/20 23:39 .....	470
AP9L3 Injected on: 11/21/20 00:02 .....	473
AP9L2 Injected on: 11/21/20 00:25 .....	476
AP9L1 Injected on: 11/21/20 00:48 .....	479
ABN ICV Summary Form Injected on: 11/21/20 01:11 .....	482
ABN ICV Quant Report Injected on: 11/21/20 01:11 .....	485
AP9 ICV Summary Form Injected on: 11/21/20 01:33 .....	568
AP9 ICV Quant Report Injected on: 11/21/20 01:33 .....	569

## Table of Contents

DFTPP Injected on: 11/21/20 01:56 .....	586
DEG Injected on: 11/21/20 01:56 .....	587
Tailing Factor Injected on: 11/21/20 01:56 .....	588
ADPL10 Injected on: 11/21/20 02:19 .....	590
ADPL9 Injected on: 11/21/20 02:42 .....	593
ADPL8 Injected on: 11/21/20 03:05 .....	596
ADPL7 Injected on: 11/21/20 03:28 .....	599
ADPL6 Injected on: 11/21/20 03:51 .....	602
ADPL5 Injected on: 11/21/20 04:13 .....	605
ADPL4 Injected on: 11/21/20 04:36 .....	608
ADPL3 Injected on: 11/21/20 04:59 .....	611
ADPL2 Injected on: 11/21/20 05:22 .....	614
ADPL1 Injected on: 11/21/20 05:45 .....	617
ADP ICV Summary Form Injected on: 11/21/20 06:08 .....	620
ADP ICV Quant Report Injected on: 11/21/20 06:08 .....	621
Continuing Calibration .....	630
Form 7 - Organics .....	631
CC Summary - BUFFY Run: 12/03/20 08:01 .....	641
CC Quant - BUFFY Run: 12/03/20 08:01 .....	642
CC Summary - BUFFY Run: 12/03/20 08:24 .....	659
CC Quant - BUFFY Run: 12/03/20 08:24 .....	660
CC Summary - BUFFY Run: 12/03/20 08:49 .....	669
CC Quant - BUFFY Run: 12/03/20 08:49 .....	672
DEG Quant for BUFFY injected on 12/03/20 07:08 .....	754
dftpp tune - Inst. BUFFY 12/03/20 07:08 .....	755
Tailing Factor .....	756
CC Summary - GCMS5 Run: 12/07/20 08:56 .....	758
CC Quant - GCMS5 Run: 12/07/20 08:56 .....	761
CC Summary - GCMS5 Run: 12/07/20 09:19 .....	843
CC Quant - GCMS5 Run: 12/07/20 09:19 .....	844
CC Summary - GCMS5 Run: 12/07/20 09:41 .....	861
CC Quant - GCMS5 Run: 12/07/20 09:41 .....	862
DEG Quant for GCMS5 injected on 12/07/20 08:34 .....	871
dftpp tune - Inst. GCMS5 12/07/20 08:34 .....	872
Tailing Factor .....	873
Semivolatiles Raw QC Summary .....	875
Laboratory Method BI (WG1440317-1) Analyzed: 12/03/20 09:11 .....	876
Laboratory Control S (WG1440317-2) Analyzed: 12/03/20 09:34 .....	886
LCS Duplicate (WG1440317-3) Analyzed: 12/03/20 09:57 .....	962
Semivolatiles Calculations .....	1039
QC Batch WG1440317 .....	1040
ICAL Sequence for GCMS5 on 02-APR-2020 00:00 ICAL16639 .....	1041
ICAL Sequence for BUFFY on 24-NOV-2020 00:00 ICAL17377 .....	1042
Sequence Log .....	1043
Organic ELN-Workgroup:WG1440317 .....	1045
PFAAs via EPA 537 .....	1048
Semivolatiles QC Summary .....	1049
Form 2 - Organics .....	1050
Form 3 - Organics .....	1053
Form 4 - Organics .....	1055

## Table of Contents

MDL Study - 537 .....	1056
537.1 Liquid MDL 2019 - LCMS01 .....	1056
537.1 Liquid MDL 2019 - LCMS02 .....	1057
MDL Study - 537 Isotope Dilution .....	1060
A2-537-ISOTOPE-36 .....	1060
Semivolatiles Sample Data .....	1064
Form 1 - Organics .....	1065
SB23_0-2 (L2051957-01) Analyzed: 12/04/20 17:18 .....	1071
SB23_5-6 (L2051957-02) Analyzed: 12/04/20 17:35 .....	1130
Semivolatiles Standards Data .....	1189
Initial Calibration .....	1190
Form 6 - Organics .....	1191
ICAL for LCMS02 on 10/28/20 ICAL17286 .....	1269
Initial Calibration Summary - Cal Date: 10/28/20 10:14 .....	1269
STD0.5 Injected on: 10/27/20 17:40 .....	1347
STD1.0 Injected on: 10/27/20 17:57 .....	1427
STD5.0 Injected on: 10/27/20 18:13 .....	1507
STD10.0 Injected on: 10/27/20 18:30 .....	1587
STD50.0 Injected on: 10/27/20 18:46 .....	1667
STD150.0 Injected on: 10/27/20 19:03 .....	1747
STD250.0 Injected on: 10/27/20 19:19 .....	1827
STD010 Injected on: 10/27/20 20:42 .....	1907
Technical Branched Standard .....	1987
Transition Ion Ratios .....	1989
Continuing Calibration .....	1993
Form 7 - Organics .....	1994
CC Quant - WG1441174-1 LCMS02 Run: 12/04/20 11:22:11 .....	2000
CC Quant - WG1441174-2 LCMS02 Run: 12/04/20 16:12:23 .....	2059
CC Quant - WG1441174-3 LCMS02 Run: 12/04/20 19:31:04 .....	2118
Semivolatiles Raw QC Summary .....	2177
Laboratory Method BI (WG1440618-1) Analyzed: 12/04/20 16:28 .....	2178
Laboratory Control S (WG1440618-2) Analyzed: 12/04/20 16:45 .....	2237
LCS Duplicate (WG1440618-3) Analyzed: 12/04/20 17:02 .....	2296
Semivolatiles Calculations .....	2355
QC Batch WG1441174 .....	2356
ICAL Sequence for LCMS02 on 28-OCT-2020 10:14 ICAL17286 .....	2357
Sequence Log .....	2360
Organic ELN-Workgroup:WG1440618 .....	2366
GC PCB Analysis .....	2368
Aroclor QC Summary .....	2369
Form 2 - Organics .....	2370
Form 3 - Organics .....	2371
Form 4 - Organics .....	2372
Form 8 - Organics .....	2373
MDL Study - PCBs .....	2375
Aroclor Sample Data .....	2377
Form 1 - Organics .....	2378
SB23_0-2 (L2051957-01) Analyzed: 12/04/20 13:04 .....	2381
SB23_5-6 (L2051957-02) Analyzed: 12/04/20 13:16 .....	2386
Aroclor Standards Data .....	2394

## Table of Contents

Initial Calibration .....	2395
Form 6 - Organics .....	2396
ICAL for PEST7 on 06/12/20 ICAL16890 .....	2404
Initial Calibration Summary - Cal Date: 06/12/20 00:00 .....	2404
1242/1268 L2 Injected on: 06/10/20 19:51 .....	2408
1242/1268 L3 Injected on: 06/10/20 20:04 .....	2416
1242/1268 L4 Injected on: 06/10/20 20:17 .....	2424
1242/1268 L5 Injected on: 06/10/20 20:30 .....	2431
1242/1268 L6 Injected on: 06/10/20 20:42 .....	2437
1232/1262 L2 Injected on: 06/10/20 21:08 .....	2444
1232/1262 L3 Injected on: 06/10/20 21:21 .....	2451
1232/1262 L4 Injected on: 06/10/20 21:34 .....	2458
1232/1262 L5 Injected on: 06/10/20 21:47 .....	2465
1232/1262 L6 Injected on: 06/10/20 21:59 .....	2472
1248 L1 Injected on: 06/10/20 22:12 .....	2479
1248 L2 Injected on: 06/10/20 22:25 .....	2484
1248 L3 Injected on: 06/10/20 22:38 .....	2489
1248 L4 Injected on: 06/10/20 22:51 .....	2494
1248 L5 Injected on: 06/10/20 23:04 .....	2499
1248 L6 Injected on: 06/10/20 23:16 .....	2504
1221/1254 L2 Injected on: 06/10/20 23:42 .....	2509
1221/1254 L3 Injected on: 06/10/20 23:55 .....	2514
1221/1254 L4 Injected on: 06/11/20 00:08 .....	2519
1221/1254 L5 Injected on: 06/11/20 00:20 .....	2524
1221/1254 L6 Injected on: 06/11/20 00:33 .....	2529
1016/1260 L1 Injected on: 06/11/20 00:46 .....	2534
1016/1260 L2 Injected on: 06/11/20 00:59 .....	2544
1016/1260 L3 Injected on: 06/11/20 01:12 .....	2554
1016/1260 L4 Injected on: 06/11/20 01:24 .....	2562
1016/1260 L5 Injected on: 06/11/20 01:37 .....	2571
1016/1260 L6 Injected on: 06/11/20 03:07 .....	2582
Initial Calibration Verification .....	2592
1248 Summary Form Injected on: 06/11/20 03:46 .....	2593
1248 Quant Report Injected on: 06/11/20 03:46 .....	2597
1016/1260 Summary Form Injected on: 06/11/20 04:11 .....	2602
1016/1260 Quant Report Injected on: 06/11/20 04:11 .....	2606
1242/1268 L1 Injected on: 06/11/20 23:30 .....	2615
1232/1262 L1 Injected on: 06/11/20 23:42 .....	2622
1221/1254 L1 Injected on: 06/11/20 23:55 .....	2630
1242/1268 Summary Form Injected on: 06/12/20 00:08 .....	2635
1242/1268 Quant Report Injected on: 06/12/20 00:08 .....	2639
Initial Calibration Verification .....	2646
1232/1262 Summary Form Injected on: 06/12/20 00:21 .....	2647
1232/1262 Quant Report Injected on: 06/12/20 00:21 .....	2651
1221/12548 Summary Form Injected on: 06/12/20 00:34 .....	2658
1221/1254 Quant Report Injected on: 06/12/20 00:34 .....	2662
ICAL for PEST21 on 11/11/20 ICAL17343 .....	2667
Initial Calibration Summary - Cal Date: 11/11/20 00:00 .....	2667
1242/1268 L1 (100ug/L) Injected on: 10/15/20 13:28 .....	2671
1242/1268 L2 (500ug/L) Injected on: 10/15/20 13:35 .....	2682

## Table of Contents

1242/1268 L3 (1000ug/L) Injected on: 10/15/20 13:42	2687
1242/1268 L4 (2500ug/L) Injected on: 10/15/20 13:49	2693
1242/1268 L5 (5000ug/L) Injected on: 10/15/20 13:56	2698
1242/1268 L6 (10000ug/L) Injected on: 10/15/20 14:02	2703
1232/1262 L1 (100ug/L) Injected on: 10/15/20 14:28	2709
1232/1262 L2 (500ug/L) Injected on: 10/15/20 14:35	2734
1232/1262 L3 (1000ug/L) Injected on: 10/15/20 14:42	2739
1232/1262 L4 (2500ug/L) Injected on: 10/15/20 14:48	2744
1232/1262 L5 (5000ug/L) Injected on: 10/15/20 14:55	2749
1232/1262 L6 (10000ug/L) Injected on: 10/15/20 15:02	2754
1248 L1 (100ug/L) Injected on: 10/15/20 15:09	2759
1248 L2 (500ug/L) Injected on: 10/15/20 15:16	2770
1248 L3 (1000ug/L) Injected on: 10/15/20 15:23	2776
1248 L4 (2500ug/L) Injected on: 10/15/20 15:30	2782
1248 L5 (5000ug/L) Injected on: 10/15/20 15:37	2788
1248 L6 (10000ug/L) Injected on: 10/15/20 15:44	2795
1221/1254 L1 (100ug/L) Injected on: 10/15/20 15:50	2801
1221/1254 L2 (500ug/L) Injected on: 10/15/20 15:57	2813
1221/1254 L3 (1000ug/L) Injected on: 10/15/20 16:04	2820
1221/1254 L4 (2500ug/L) Injected on: 10/15/20 16:11	2825
1221/1254 L5 (5000ug/L) Injected on: 10/15/20 16:18	2830
1221/1254 L6 (10000ug/L) Injected on: 10/15/20 16:25	2835
1016/1260 L1 (100ug/L) Injected on: 10/15/20 16:32	2840
1016/1260 L2 (500ug/L) Injected on: 10/15/20 16:39	2854
1016/1260 L3 (1000ug/L) Injected on: 10/15/20 16:46	2860
1016/1260 L4 (2500ug/L) Injected on: 10/15/20 16:52	2865
1016/1260 L5 (5000ug/L) Injected on: 10/15/20 16:59	2870
1016/1260 L6 (10000ug/L) Injected on: 10/15/20 17:06	2875
Initial Calibration Verification	2880
1232/1262 ICV Summary Form Injected on: 10/15/20 17:20	2881
1232/1262 ICV Quant Report Injected on: 10/15/20 17:20	2885
1248 ICV Summary Form Injected on: 10/15/20 17:27	2890
1248 ICV Quant Report Injected on: 10/15/20 17:27	2894
1221/1254 ICV Summary Form Injected on: 10/15/20 17:34	2900
1221/1254 ICV Quant Report Injected on: 10/15/20 17:34	2904
1016/1260 ICV Summary Form Injected on: 10/15/20 17:41	2909
1016/1260 ICV Quant Report Injected on: 10/15/20 17:41	2913
1242/1268 ICV Summary Form Injected on: 10/16/20 13:20	2919
1242/1268 ICV Quant Report Injected on: 10/16/20 13:20	2923
Continuing Calibration	2928
Form 7 - Organics	2929
CC Summary - PEST21 Run: 12/02/20 08:52	2933
CC Quant - WG1440203-1 PEST21 Run: 12/02/20 08:52	2935
CC Summary - PEST7 Run: 12/04/20 08:39	2942
CC Quant - WG1441136-1 PEST7 Run: 12/04/20 08:39	2944
RT Shift Summary	2963
Form 10 - Organics	2964
Aroclor Raw QC Data	2965
Laboratory Method BI (WG1440039-1) Analyzed: 12/02/20 11:03 Chan. A&B	2966
Laboratory Control S (WG1440039-2) Analyzed: 12/02/20 11:10 Chan. A&B	2972

## Table of Contents

LCS Duplicate (WG1440039-3) Analyzed: 12/02/20 11:17 Chan. A&B .....	2978
PCB Calculations .....	2987
ICAL Sequence for PEST7 on 12-JUN-2020 00:00 ICAL16890 .....	2988
ICAL Sequence for PEST21 on 11-NOV-2020 00:00 ICAL17343 .....	2990
Sequence Log .....	2991
QC Batch WG1440039 .....	2994
Organic ELN-Workgroup:WG1440039 .....	2995
GC Pesticide Analysis .....	3000
Pesticides QC Summary .....	3001
Form 2 - Organics .....	3002
Form 3 - Organics .....	3003
Form 4 - Organics .....	3004
Form 8 - Organics .....	3005
MDL Study - Pesticides .....	3007
Pesticides Sample Data .....	3009
Form 1 - Organics .....	3010
SB23_0-2 (L2051957-01) Analyzed: 12/03/20 11:48 .....	3016
SB23_5-6 (L2051957-02) Analyzed: 12/03/20 11:59 .....	3024
Pesticides Standards Data .....	3030
Initial Calibration .....	3031
Form 6 - Organics .....	3032
ICAL for PEST18 on 10/21/20 ICAL17270 .....	3040
Initial Calibration Summary - Cal Date: 10/21/20 00:00 .....	3040
Degradation Standard Injected on: 10/19/20 17:51 .....	3045
Pesticides L1 (0.5ug/ Injected on: 10/19/20 18:02 .....	3051
Pesticides L2 (1.0ug/L) Injected on: 10/19/20 18:12 .....	3055
Pesticides L3 (2.0ug/L) Injected on: 10/19/20 18:22 .....	3075
Pesticides L4 (3.0ug/L) Injected on: 10/19/20 18:32 .....	3085
Pesticides L5 (4.0ug/L) Injected on: 10/19/20 18:42 .....	3092
Pesticides L6 (5.0ug/L) Injected on: 10/19/20 18:52 .....	3097
Pesticides L7 (10.0ug/L) Injected on: 10/19/20 19:02 .....	3102
Pesticides L8 (50.0ug/L) Injected on: 10/19/20 19:12 .....	3106
Pesticides L9 (100ug/L) Injected on: 10/19/20 19:22 .....	3110
Pesticides L10 (200ug/L) Injected on: 10/19/20 19:32 .....	3114
Chlordane RL Check Injected on: 10/19/20 20:03 .....	3118
Chlordane L7 (1000ug/L) Injected on: 10/19/20 20:13 .....	3122
Toxaphene L2 (20.0ug/l) Injected on: 10/19/20 20:33 .....	3126
Toxaphene L7 (2000ug/L) Injected on: 10/19/20 20:43 .....	3134
Toxaphene L8 (5000ug/L) Injected on: 10/19/20 20:53 .....	3138
Initial Calibration Verification .....	3142
ICV Summary Form Injected on: 10/19/20 21:03 .....	3143
ICV Quant Report Injected on: 10/19/20 21:03 .....	3146
Degradation Standard Injected on: 10/20/20 10:45 .....	3150
Initial Calibration Verification .....	3156
ICV Summary Form Injected on: 10/20/20 10:55 .....	3157
ICV Quant Report Injected on: 10/20/20 10:55 .....	3160
Initial Calibration Verification .....	3164
ICV Summary Form Injected on: 10/20/20 11:05 .....	3165
ICV Quant Report Injected on: 10/20/20 11:05 .....	3168
ICAL for PEST11 on 11/06/20 ICAL17340 .....	3172

## Table of Contents

Initial Calibration Summary - Cal Date: 11/06/20 00:00 .....	3172
Degradation Standard Injected on: 11/05/20 16:43 .....	3177
Pesticides L1 (0.5ug/L) Injected on: 11/05/20 16:54 .....	3186
Pesticides L2 (1.0ug/L) Injected on: 11/05/20 17:05 .....	3190
Pesticides L3 (2.0ug/L) Injected on: 11/05/20 17:16 .....	3199
Pesticides L4 (3.0ug/L) Injected on: 11/05/20 17:27 .....	3205
Pesticides L5 (4.0ug/L) Injected on: 11/05/20 17:38 .....	3209
Pesticides L6 (5.0ug/L) Injected on: 11/05/20 17:49 .....	3213
Pesticides L7 (10.0ug/L) Injected on: 11/05/20 18:00 .....	3217
Pesticides L8 (50.0ug/L) Injected on: 11/05/20 18:12 .....	3221
Pesticides L9 (100ug/L) Injected on: 11/05/20 18:22 .....	3225
Pesticides L10 (200ug/L) Injected on: 11/05/20 18:34 .....	3229
Initial Calibration Verification .....	3233
ICV Summary Form Injected on: 11/05/20 18:45 .....	3234
ICV Quant Report Injected on: 11/05/20 18:45 .....	3237
Chlordane L2 (10ug/L) Injected on: 11/05/20 18:57 .....	3241
Chlordane L3 (20ug/L) Injected on: 11/05/20 19:08 .....	3245
Chlordane L4 (100ug/L) Injected on: 11/05/20 19:20 .....	3249
Chlordane L6 (500ug/L) Injected on: 11/05/20 19:31 .....	3253
Chlordane L7 (1000ug/L) Injected on: 11/05/20 19:43 .....	3257
Chlordane L8 (2000ug/L) Injected on: 11/05/20 19:54 .....	3261
Initial Calibration Verification .....	3266
ICV Summary Form Injected on: 11/05/20 20:06 .....	3267
ICV Quant Report Injected on: 11/05/20 20:06 .....	3270
Toxaphene L2 (20.0ug/l) Injected on: 11/05/20 20:17 .....	3275
Toxaphene L7 (2000ug/L) Injected on: 11/05/20 20:28 .....	3284
Toxaphene L8 (5000ug/L) Injected on: 11/05/20 20:40 .....	3288
Initial Calibration Verification .....	3292
ICV Summary Form Injected on: 11/05/20 20:51 .....	3293
ICV Quant Report Injected on: 11/05/20 20:51 .....	3296
Continuing Calibration .....	3300
Form 7 - Organics .....	3301
CC Summary - PEST18 Run: 12/02/20 08:27 .....	3313
CC Quant - WG1440148-2 PEST18 Run: 12/02/20 08:27 .....	3316
CC Summary - PEST18 Run: 12/02/20 08:37 .....	3320
CC Quant - WG1440148-3 PEST18 Run: 12/02/20 08:37 .....	3323
CC Summary - PEST18 Run: 12/02/20 08:47 .....	3328
CC Quant - WG1440148-1 PEST18 Run: 12/02/20 08:47 .....	3331
CC Summary - PEST11 Run: 12/03/20 05:45 .....	3335
CC Quant - WG1440679-2 PEST11 Run: 12/03/20 05:45 .....	3338
CC Summary - PEST11 Run: 12/03/20 05:56 .....	3344
CC Quant - WG1440679-3 PEST11 Run: 12/03/20 05:56 .....	3347
CC Summary - PEST11 Run: 12/03/20 08:50 .....	3353
CC Quant - WG1440679-1 PEST11 Run: 12/03/20 08:50 .....	3356
Continuing Calibration Degradation Check .....	3361
Form 15 - Organics .....	3362
DEG Quant for PEST18 injected on 12/02/20 08:07 .....	3364
DEG Quant for PEST11 injected on 12/03/20 05:24 .....	3375
RT Shift Summary .....	3383
Form 10 - Organics .....	3384

## Table of Contents

Pesticides Raw QC Data .....	3385
Laboratory Method BI (WG1440014-1) Analyzed: 12/02/20 09:25 Chan. A&B .....	3386
Laboratory Control S (WG1440014-2) Analyzed: 12/02/20 09:36 Chan. A&B .....	3390
LCS Duplicate (WG1440014-3) Analyzed: 12/02/20 09:46 Chan. A&B .....	3395
Pesticides Calculations .....	3402
ICAL Sequence for PEST18 on 21-OCT-2020 00:00 ICAL17270 .....	3403
ICAL Sequence for PEST11 on 06-NOV-2020 00:00 ICAL17340 .....	3404
Sequence Log .....	3405
QC Batch WG1440014 .....	3407
Organic ELN-Workgroup:WG1440014 .....	3408
Metals Analysis .....	3413
Inorganic Data (ICP Analysis) .....	3414
Form 1 - Inorganics .....	3415
Form 2A - Inorganics .....	3419
Form 3 - Inorganics .....	3425
Form 4A - Inorganics .....	3430
Form 5A - Inorganics .....	3431
Form 6 - Inorganics .....	3432
Form 7 - Inorganics .....	3433
Form 10 - Inorganics .....	3434
Form 11 - Inorganics .....	3453
Form 12 - Inorganics .....	3454
Form 13 - Inorganics .....	3455
MDL Study - Metals by ICP .....	3457
Run Date 12/08/20 Run ID R1380178 .....	3459
ICP True Value Summary Form .....	3658
ICP Calculations .....	3671
Sequence Log .....	3672
Metals ELN-Workgroup:WG1442060 .....	3675
Inorganic Data (Mercury Analysis) .....	3677
Form 1 - Inorganics .....	3678
Form 2A - Inorganics .....	3682
Form 3 - Inorganics .....	3684
Form 5A - Inorganics .....	3686
Form 6 - Inorganics .....	3687
Form 7 - Inorganics .....	3688
Form 12 - Inorganics .....	3689
Form 13 - Inorganics .....	3690
MDL Study - Mercury by 245.1 .....	3691
MDL Study - Mercury by 7470A .....	3692
MDL Study - Mercury by 7471B .....	3693
Mercury Raw Data .....	3694
Hg True Value Summary Form .....	3697
HG Calculations .....	3709
Sequence Log .....	3711
Metals ELN-Workgroup:WG1442062 .....	3713
Trivalent Chromium Analysis .....	3715
Results .....	3716
Form 1 - Inorganics .....	3717
Trivalent Chromium Calculations .....	3719



## Table of Contents

Wet Chemistry Analysis .....	3720
Cyanide Analysis .....	3721
Results .....	3722
Form 1 - Inorganics .....	3723
Sample Raw Data .....	3726
Wet Chemistry Raw Data .....	3727
TCN120320- TRAY1 .....	3727
TCN120320- TRAY1A .....	3733
TCN120320- TRAY2 .....	3737
TCN120320- TRAY2A .....	3743
Quality Control .....	3745
Form 5A - Inorganics .....	3746
Form 7 - Inorganics .....	3747
MDL Study - Total Cyanide .....	3748
MDL Study - Free Cyanide .....	3750
MDL Study - Physiologically Available Cyanide .....	3752
Cyanide Calculations .....	3754
Free Cyanide Calculations .....	3755
Sequence Logs .....	3756
Sequence Log .....	3757
Sample Preparation .....	3759
Prep Logs .....	3760
Hexavalent Chromium Analysis .....	3767
Results .....	3768
Form 1 - Inorganics .....	3769
Sample Raw Data .....	3773
Wet Chemistry Raw Data .....	3774
Quality Control .....	3776
Form 5A - Inorganics .....	3777
Form 5B - Inorganics .....	3779
Form 6 - Inorganics .....	3780
Form 7 - Inorganics .....	3781
MDL Study - Hexavalent Chromium .....	3783
Hexavalent Chromium Calculations .....	3785
Sample Preparation .....	3786
Prep Logs .....	3787
Total Solids Analysis .....	3791
Results .....	3792
Form 1 - Inorganics .....	3793
Sample Raw Data .....	3796
Wet Chemistry Raw Data .....	3797
Quality Control .....	3798
Form 6 - Inorganics .....	3799

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051957  
**Report Date:** 12/09/20

<b>Alpha Sample ID</b>	<b>Client ID</b>	<b>Matrix</b>	<b>Sample Location</b>	<b>Collection Date/Time</b>	<b>Receive Date</b>
L2051957-01	SB23_0-2	SOIL	NEW YORK, NY	11/20/20 10:15	11/20/20
L2051957-02	SB23_5-6	SOIL	NEW YORK, NY	11/20/20 10:30	11/20/20

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051957  
**Report Date:** 12/09/20

### Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

#### HOLD POLICY

For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051957  
**Report Date:** 12/09/20

### Case Narrative (continued)

#### Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

#### Sample Receipt

The analyses performed were specified by the client.

#### Perfluorinated Alkyl Acids by Isotope Dilution

The WG1440618-2/-3 LCS/LCSD recoveries, associated with L2051957-01 and -02, are above the acceptance criteria for 1h,1h,2h,2h-perfluorodecanesulfonic acid (8:2fts) (LCS 154%), perfluorodecanesulfonic acid (pfd) (LCS 135%) and perfluorotetradecanoic acid (pfta) (142%/145%); however, the associated samples are non-detect to the RL for these target analytes. The results of the original analysis are reported.

WG1440618-3: The Extracted Internal Standard recovery is below the acceptance criteria for Perfluoro[13C8]Octanesulfonamide (M8FOSA) (less than 10%); however, all associated target analytes are within criteria; therefore, no further action was taken.

#### Total Metals

L2051957-01 and -02: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.

#### Cyanide, Total

The WG1440686-2 LCS recovery for cyanide, total (69%), associated with L2051957-01 and -02, is outside our in-house acceptance criteria, but within the vendor-certified acceptance limits. The results of the original analyses are reported.

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. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: *Melissa Sturgis*

Report Date: 12/09/20

Title: Technical Director/Representative



## GLOSSARY

### Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)  Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers



**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051957  
**Report Date:** 12/09/20

#### Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

#### Terms

**Analytical Method:** Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

**Difference:** With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

**Final pH:** As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

**Frozen Date/Time:** With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

**Initial pH:** As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

**PAH Total:** With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

**PFAS Total:** With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. (Note: 'PFAS, Total (6)' is applicable to MassDEP DW compliance analysis only.). If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

**Total:** With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

#### Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.

**Report Format:** DU Report with 'J' Qualifiers



**Project Name:** 266-270 W. 96TH STREET  
**Project Number:** 170432001

**Lab Number:** L2051957  
**Report Date:** 12/09/20

**Data Qualifiers**

- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

---





## Volatile Organics Instruments

### Volatile Organics:

Instrument: Agilent 7890 GC/5975C MSD  
Trap: Supelco K Trap (VOACARB 3000)  
Concentrator: EST Encon (or equivalent)  
Autosampler: EST Centurion (or equivalent)  
Purge time: 11 min

Columns (length x ID x df):  
RTX-VMS 20m x 0.18mm x 1um  
RTX-VMS 30m x 0.25mm x 1.4um  
RTX-502.2 40m x 0.18mm x 1um

### Volatile Organics: VPH

Instrument: Agilent 6890 (or equivalent)  
Trap: Supelco K Trap (VOACARB 3000)  
Concentrator: EST Encon (or equivalent)  
Autosampler: EST Centurion (or equivalent)

Column Type: Restek RTX 502.2  
Column Length: 105 Meters  
df: 3.00 um  
ID: 0.53mm

### Volatile Organics: PIANO

Instrument: Agilent 7890 GC/5975C MSD  
Trap: Supelco K Trap (VOACARB 3000)  
Concentrator: Tekmar Velocity / EST Encon  
Autosampler: Varian Archon / EST Centurion  
Purge time: 11 min

Column Type: DB-VRX  
Column Length: 60 Meters  
df: 1.40 um  
ID: 0.25 mm  
Desorb: 1 min

### Volatile Organics: Dissolved Gas

Instrument: Agilent 7890 (or equivalent) with FID/TCD

Column Type: Haysep S Column  
Column Length: 2 Meters packed  
(100/200 mesh)

Autosampler: LEAP Headspace

Purge time: 0.6 min

## Volatile Organics in Air Instruments

### Volatile Organics in Air:

Instruments: Agilent 6890 GC / 5975 MSD Shimadzu QP2010-SE / QP2020

Concentrator: Entech 7100A or 7200  
Autosampler: Entech 7016CA or 7016D

Column Type: Restek RTX-1  
Column Length: 60 Meters  
df: 1.00 um  
ID: 0.25 mm or 0.32 mm

Trap 1: Glass Bead: manufacturer-Entech: 20 cm packing material

Trap 2: Tenax: manufacturer-Entech: 20 cm packing material





## Semivolatile Organics Instruments - Westborough

### Semivolatile Organics (Acid/Base/Neutral Extractables):

Instrument: Agilent 5973N MSD	Injection volume: 1 ul;2 uL LVI
Column Type: Restek RXI-5SILMS	df: 0.32 um
Column Length: 30 Meters	ID: 0.25 mm

### Polynuclear Aromatic Hydrocarbons by 8270 SIM:

Instrument: Agilent 5973 MSD	Injection volume: 1 ul;2 uL LVI
Column Type: Restek RXI-5SILMS	df: 0.25 um
Column Length: 30 Meters	ID: 0.25 mm

### Pesticides/PCB/Herbicides:

Instrument: Agilent 6890 w/Dual Micro ECDs	Injection Volume: 1uL
Column A: Restek RTX-CL/STX-CL	df: 0.32
Column B: Restek RTX/STX-CLPPesticide II	df: 0.25
Column Length: 30 Meters	ID: 0.32 mm

### Petroleum/EPH:

Instrument: Agilent 6890 w/FID / HP 5890 w/ FID	Injection Volume: 1uL
Column: Restek RTX 5	df: 0.25
Column Length: 30 Meters	
ID: 0.32 mm	



### **Semivolatile Organic Instruments - Mansfield**

#### **Semivolatile Organics (ALK-PAH Extractables):**

Instrument: Agilent 5973N / 5975 MSD	Injection volume: 1 ul
Column Type: ZB-5	df: 0.25 um
Column Length: 60 Meters	ID: 0.25 mm

#### **Semivolatile Organics (8270):**

Instrument: Agilent 5973N / 5975 MSD	Injection volume: 2 ul
Column Type: ZB-Semivolatiles	df: 0.25 um
Column Length: 30 Meters	ID: 0.25 mm

#### **Semivolatile Organics (8270 SIM):**

Instrument: Agilent 5973N / 5975 MSD	Injection volume: 3 ul
Column Type: ZB-5	df: 0.25 um
Column Length: 30 Meters	ID: 0.25 mm

#### **Semivolatile Organics (1,4-Dioxane):**

Instrument: Agilent 5973N / 5975 / 5977 MSD	Injection volume: 3 ul
Column Type: RTX-5	df: 0.25um, 0.18 um
Column Length: 30 Meters	ID: 0.25um, 0.18 mm

#### **Semivolatile Organics (209 Congener):**

Instrument: Agilent 5973N / 5975 MSD	Injection volume: 3 ul
Column Type: RTX-5, RTX-PCB	df: 0.25um, 0.18 um
Column Length: 60 Meters	ID: 0.25um, 0.18 mm

#### **Semivolatile Organics (8081):**

Instrument: Agilent 6890 / 7890	Injection volume: 1 ul
Column Type: RTX-5 / RTX-CLP II	df: 0.25 um
Column Length: 60 Meters	ID: 0.25 mm

#### **Semivolatile Organics (8082):**

Instrument: Agilent 6890 w/Dual Micro ECDs	Injection Volume: 1uL
Column A: Restek RTX-CL/STX-CL	df: 0.32
Column B: Restek RTX/STX-CLPPesticide II	df: 0.25
Column Length: 30 Meters	ID: 0.32 mm

#### **Semivolatile Organics (SHC Extractables):**

Instrument: Agilent 6890	Injection volume: 1 ul
Column Type: RTX-5	df: 0.25 um
Column Length: 60 Meters	ID: 0.25 mm



## Sample Delivery Group Summary

Alpha Job Number : L2051957

Received : 20-NOV-2020

Reviewer : Craig Green

Account Name : Langan Engineering & Environmental

Project Number : 170432001

Project Name : 266-270 W. 96TH STREET

### Delivery Information

Samples Delivered By : Alpha Courier

Chain of Custody : Present

### Cooler Information

Cooler	Seal/Seal#	Preservation	Temperature(°C)	Additional Information
A	Absent/	Ice	4.0	
C	Absent/	Ice	5.5	

### Condition Information

- 1) All samples on COC received? **YES**
- 2) Extra samples received? **NO**
- 3) Are there any sample container discrepancies? **NO**
- 4) Are there any discrepancies between sample labels & COC? **NO**
- 5) Are samples in appropriate containers for requested analysis? **YES**
- 6) Are samples properly preserved for requested analysis? **YES**
- 7) Are samples within holding time for requested analysis? **YES**
- 8) All sampling equipment returned? **NA**

### Volatile Organics/VPH

- 1) Reagent Water Vials Frozen by Client? **NA**

ALPHA ANALYTICAL LABORATORIES, INC.  
LOGIN CHAIN OF CUSTODY REPORT  
Dec 10 2020, 10:17 am


Login Number: L2051957

Account: LANGAN-NYC Langan Engineering & Environmental Project: 170432001

Received: 20NOV20 Due Date: 16DEC20

Sample #	Client ID	Mat PR	Collected
L2051957-01	SB23_0-2	3 S0	20NOV20 10:15
ASP-B Package Due Date: 12/16/20			
A2-NY-537-ISOTOPE, ASP-B, HEXCR-7196, NYTCL-8081, NYTCL-8082, NYTCL-8270, TAL, AG-TI, AL-TI, AS-TI, BA-TI, BE-TI, CA-TI, CD-TI, CO-TI, CR-TI, CU-TI, FE-TI, HG-T, K-TI, MG-TI, MN-TI, NA-TI, NI-TI, PB-TI, PREPT, SB-TI, SE-TI, TL-TI, V-TI, ZN-TI, TCN-9010, TRICR-CALC, TS			
L2051957-02	SB23_5-6	3 S0	20NOV20 10:30
Package Due Date: 12/16/20			
A2-NY-537-ISOTOPE, HEXCR-7196, NYTCL-8081, NYTCL-8082, NYTCL-8270, TAL, AG-TI, AL-TI, AS-TI, BA-TI, BE-TI, CA-TI, CD-TI, CO-TI, CR-TI, CU-TI, FE-TI, HG-T, K-TI, MG-TI, MN-TI, NA-TI, NI-TI, PB-TI, PREPT, SB-TI, SE-TI, TL-TI, V-TI, ZN-TI, TCN-9010, TRICR-CALC, TS			

# RI HOLD Soil Sample

 <b>ALPHA ANALYTICAL</b> Westborough, MA 01581 8 Walkup Dr. TEL: 508-898-9220 FAX: 508-898-9193	<b>NEW YORK CHAIN OF CUSTODY</b> Mansfield, MA 02048 320 Forbes Blvd TEL: 508-822-8300 FAX: 508-822-3288	Service Centers Mahwah, NJ 07430: 35 Whitney Rd, Suite 5 Albany, NY 12205: 14 Walker Way Tonawanda, NY 14150: 275 Cooper Ave, Suite 105	Page 1 of 1	Date Rec'd in Lab 11/21/20	ALPHA Job # L2051957		
		Project Information Project Name: 266-270 W 96th Street Project Location: 170432001 New York NY Project # 170432001 (Use Project name as Project #) <input type="checkbox"/>		Deliverables <input type="checkbox"/> ASP-A <input checked="" type="checkbox"/> ASP-B <input type="checkbox"/> EQUIS (1 File) <input type="checkbox"/> EQUIS (4 File) <input type="checkbox"/> Other		Billing Information <input checked="" type="checkbox"/> Same as Client Info PO #	
Client Information Client: Langen, DPC Address: Phone: Fax: Email: Ksemen@Dangpr.com		Project Manager: Kimberly Semen ALPHAQuote #: Turn-Around Time Standard <input checked="" type="checkbox"/> Rush (only if pre approved) <input type="checkbox"/> Due Date: # of Days:		Regulatory Requirement <input type="checkbox"/> NY TOGS <input checked="" type="checkbox"/> NY Part 375 <input type="checkbox"/> AWQ Standards <input type="checkbox"/> NY CP-51 <input type="checkbox"/> NY Restricted Use <input checked="" type="checkbox"/> Other <input type="checkbox"/> NY Unrestricted Use    TCL <input type="checkbox"/> NYC Sewer Discharge		Disposal Site Information Please identify below location of applicable disposal facilities. Disposal Facility: <input type="checkbox"/> NJ <input type="checkbox"/> NY <input type="checkbox"/> Other:	
These samples have been previously analyzed by Alpha <input type="checkbox"/>			ANALYSIS			Sample Filtration <input type="checkbox"/> Done <input type="checkbox"/> Lab to do Preservation <input type="checkbox"/> Lab to do (Please Specify below)	
Other project specific requirements/comments: Please email jyanowitz@dangpr.com			Please specify Metals or TAL.			Total Bottles	
ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials		Sample Specific Comments
51957-01	SB23-0-2	11/20/2020	1015	S	MA	Part 375/7CL Part 375/7CL Part 375 PCBs + Pesticides TAL Part 375 Metals Cyanide/hex/Trichloro PTAS 114 dioxin	HOLD HOLD
-02	SB23-5-6	11/20/2020	1030	S	MA		
Preservative Code: A = None B = HCl C = HNO <sub>3</sub> D = H <sub>2</sub> SO <sub>4</sub> E = NaOH F = MeOH G = NaHSO <sub>4</sub> H = Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> K/E = Zn Ac/NaOH O = Other		Container Code: P = Plastic A = Amber Glass V = Vial G = Glass B = Bacteria Cup C = Cube O = Other E = Encore D = BOD Bottle		Westboro: Certification No: MA935 Mansfield: Certification No: MA015		Container Type Preservative	Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)
Relinquished By:		Date/Time		Received By:		Date/Time	
[Signature]		11/20/20 1551		[Signature] AAL		11/20/20 1556	
[Signature] AAL		11/20/20 1820		[Signature] AAL		11/20/20 21:30	
[Signature] AAL		11/21/20 01:00		[Signature]		11/21/20 01:00	

# Organics

# **Semivolatiles Data- Method 8270D**

# **Semivolatiles QC Summary**



# Surrogate Recovery Summary

## Form 2

### Semivolatiles

Client: Langan Engineering & Environmental  
 Project Name: 266-270 W. 96TH STREET

Lab Number: L2051957  
 Project Number: 170432001  
 Matrix: Soil

CLIENT ID (LAB SAMPLE NO.)	S1 (2FP)	S2 (PHL)	S3 (NBZ)	S4 (FBP)	S5 (TBP)	S6 (TPH)	TOT OUT
SB23_0-2 (L2051957-01)	31	67	72	67	19	62	0
SB23_5-6 (L2051957-02)	69	74	72	67	71	62	0
WG1440317-1BLANK	55	61	53	62	70	82	0
WG1440317-2LCS	77	83	75	74	73	75	0
WG1440317-3LCSD	69	74	69	68	68	70	0

**QC LIMITS**

- (25-120) 2FP = 2-FLUOROPHENOL
- (10-120) PHL = PHENOL-D6
- (23-120) NBZ = NITROBENZENE-D5
- (30-120) FBP = 2-FLUOROBIPHENYL
- (10-136) TBP = 2,4,6-TRIBROMOPHENOL
- (18-120) TPH = 4-TERPHENYL-D14

\* Values outside of QC limits

FORM II NYTCL-8270



# Laboratory Control Sample Summary

## Form 3

### Semivolatiles

**Client** : Langan Engineering & Environmental      **Lab Number** : L2051957  
**Project Name** : 266-270 W. 96TH STREET      **Project Number** : 170432001  
**Matrix** : SOIL  
**LCS Sample ID** : WG1440317-2      **Analysis Date** : 12/03/20 09:34      **File ID** : 440317-2  
**LCSD Sample ID** : WG1440317-3      **Analysis Date** : 12/03/20 09:57      **File ID** : 440317-3

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (ug/kg)	Found (ug/kg)	%R	True (ug/kg)	Found (ug/kg)	%R			
Acenaphthene	1300	950	73	1300	890	68	7	31-137	50
1,2,4-Trichlorobenzene	1300	950	73	1300	870	66	10	38-107	50
Hexachlorobenzene	1300	960	74	1300	870	66	11	40-140	50
Bis(2-chloroethyl)ether	1300	970	74	1300	900	68	8	40-140	50
2-Chloronaphthalene	1300	1000	76	1300	950	72	5	40-140	50
1,2-Dichlorobenzene	1300	910	69	1300	830	63	9	40-140	50
1,3-Dichlorobenzene	1300	890	68	1300	810	62	9	40-140	50
1,4-Dichlorobenzene	1300	900	69	1300	840	63	9	28-104	50
3,3'-Dichlorobenzidine	1300	880	67	1300	810	61	9	40-140	50
2,4-Dinitrotoluene	1300	1100	86	1300	1000	79	8	40-132	50
2,6-Dinitrotoluene	1300	1100	84	1300	1000	79	6	40-140	50
Fluoranthene	1300	1000	80	1300	990	75	6	40-140	50
4-Chlorophenyl phenyl ether	1300	990	76	1300	920	70	8	40-140	50
4-Bromophenyl phenyl ether	1300	970	74	1300	930	70	6	40-140	50
Bis(2-chloroisopropyl)ether	1300	1000	78	1300	950	72	8	40-140	50
Bis(2-chloroethoxy)methane	1300	1000	78	1300	940	71	9	40-117	50
Hexachlorobutadiene	1300	850	65	1300	810	61	6	40-140	50
Hexachlorocyclopentadiene	1300	950	72	1300	890	67	7	40-140	50
Hexachloroethane	1300	850	65	1300	780	59	10	40-140	50
Isophorone	1300	1000	78	1300	940	71	9	40-140	50
Naphthalene	1300	950	73	1300	910	69	6	40-140	50
Nitrobenzene	1300	1000	77	1300	960	72	7	40-140	50
NDPA/DPA	1300	1000	80	1300	980	74	8	36-157	50
n-Nitrosodi-n-propylamine	1300	1000	80	1300	940	71	12	32-121	50
Bis(2-ethylhexyl)phthalate	1300	1200	88	1300	1100	82	7	40-140	50
Butyl benzyl phthalate	1300	1100	85	1300	1100	80	6	40-140	50



# Laboratory Control Sample Summary

## Form 3

### Semivolatiles

**Client** : Langan Engineering & Environmental      **Lab Number** : L2051957  
**Project Name** : 266-270 W. 96TH STREET      **Project Number** : 170432001  
**Matrix** : SOIL  
**LCS Sample ID** : WG1440317-2      **Analysis Date** : 12/03/20 09:34      **File ID** : 440317-2  
**LCSD Sample ID** : WG1440317-3      **Analysis Date** : 12/03/20 09:57      **File ID** : 440317-3

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (ug/kg)	Found (ug/kg)	%R	True (ug/kg)	Found (ug/kg)	%R			
Di-n-butylphthalate	1300	1100	83	1300	1000	76	9	40-140	50
Di-n-octylphthalate	1300	1200	91	1300	1100	84	8	40-140	50
Diethyl phthalate	1300	1000	77	1300	940	72	7	40-140	50
Dimethyl phthalate	1300	1000	79	1300	960	73	8	40-140	50
Benzo(a)anthracene	1300	1000	76	1300	930	70	8	40-140	50
Benzo(a)pyrene	1300	1200	94	1300	1200	87	8	40-140	50
Benzo(b)fluoranthene	1300	1100	83	1300	1000	76	9	40-140	50
Benzo(k)fluoranthene	1300	1100	84	1300	1000	77	9	40-140	50
Chrysene	1300	1000	81	1300	970	74	9	40-140	50
Acenaphthylene	1300	1000	77	1300	960	72	7	40-140	50
Anthracene	1300	1000	79	1300	960	73	8	40-140	50
Benzo(ghi)perylene	1300	1100	83	1300	1000	77	8	40-140	50
Fluorene	1300	1000	78	1300	970	74	5	40-140	50
Phenanthrene	1300	1000	80	1300	970	74	8	40-140	50
Dibenzo(a,h)anthracene	1300	1100	83	1300	1000	77	8	40-140	50
Indeno(1,2,3-cd)pyrene	1300	1100	85	1300	1000	79	7	40-140	50
Pyrene	1300	1000	78	1300	970	73	7	35-142	50
Biphenyl	1300	1100	84	1300	1000	79	6	37-127	50
4-Chloroaniline	1300	640	49	1300	600	46	6	40-140	50
2-Nitroaniline	1300	1200	89	1300	1100	85	5	47-134	50
3-Nitroaniline	1300	890	68	1300	860	65	5	26-129	50
4-Nitroaniline	1300	1000	78	1300	960	73	7	41-125	50
Dibenzofuran	1300	1000	80	1300	980	74	8	40-140	50
2-Methylnaphthalene	1300	1000	77	1300	940	71	8	40-140	50
1,2,4,5-Tetrachlorobenzene	1300	1000	77	1300	950	72	7	40-117	50
Acetophenone	1300	1100	87	1300	1000	79	10	14-144	50



**Laboratory Control Sample Summary  
Form 3  
Semivolatiles**

Client : Langan Engineering & Environmental      Lab Number : L2051957  
 Project Name : 266-270 W. 96TH STREET      Project Number : 170432001  
 Matrix : SOIL  
 LCS Sample ID : WG1440317-2      Analysis Date : 12/03/20 09:34      File ID : 440317-2  
 LCSD Sample ID : WG1440317-3      Analysis Date : 12/03/20 09:57      File ID : 440317-3

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (ug/kg)	Found (ug/kg)	%R	True (ug/kg)	Found (ug/kg)	%R			
2,4,6-Trichlorophenol	1300	1100	84	1300	1000	78	7	30-130	50
p-Chloro-m-cresol	1300	1100	86	1300	1100	80	7	26-103	50
2-Chlorophenol	1300	1000	80	1300	950	72	11	25-102	50
2,4-Dichlorophenol	1300	1200	88	1300	1000	79	11	30-130	50
2,4-Dimethylphenol	1300	1200	89	1300	1100	80	11	30-130	50
2-Nitrophenol	1300	1200	91	1300	1100	81	12	30-130	50
4-Nitrophenol	1300	1100	87	1300	1100	81	7	11-114	50
2,4-Dinitrophenol	1300	1100	84	1300	940	72	15	4-130	50
4,6-Dinitro-o-cresol	1300	1100	86	1300	1100	81	6	10-130	50
Pentachlorophenol	1300	1100	83	1300	1000	76	9	17-109	50
Phenol	1300	1100	83	1300	980	74	11	26-90	50
2-Methylphenol	1300	1100	88	1300	1000	76	15	30-130.	50
3-Methylphenol/4-Methylphenol	1300	1200	89	1300	1000	79	12	30-130	50
2,4,5-Trichlorophenol	1300	1100	83	1300	1000	78	6	30-130	50
Benzoic Acid	1300	930	71	1300	520	40	56 Q	10-110	50
Benzyl Alcohol	1300	1100	87	1300	1000	77	12	40-140	50
Carbazole	1300	1100	81	1300	990	75	8	54-128	50
1,4-Dioxane	1300	810	62	1300	740	56	10	40-140	50



# Method Blank Summary

## Form 4

### Semivolatiles

Client	: Langan Engineering & Environmental	Lab Number	: L2051957
Project Name	: 266-270 W. 96TH STREET	Project Number	: 170432001
Lab Sample ID	: WG1440317-1	Lab File ID	: 440317-1
Instrument ID	: BUFFY	Extraction Date	: 12/02/20
Matrix	: SOIL	Analysis Date	: 12/03/20 09:11
Level	: LOW		

Client Sample No.	Lab Sample ID	Analysis Date
WG1440317-2LCS	WG1440317-2	12/03/20 09:34
WG1440317-3LCSD	WG1440317-3	12/03/20 09:57
SB23_5-6	L2051957-02	12/03/20 10:20
SB23_0-2	L2051957-01	12/03/20 18:17
SB23_0-2	L2051957-01D	12/07/20 19:20



**Instrument Performance Check (Tune) Summary**  
**Form 5**  
**Semivolatiles**  
**Decafluorotriphenylphosphine (DFTPP)**

Client	: Langan Engineering & Environmental	Lab Number	: L2051957
Project Name	: 266-270 W. 96TH STREET	Project Number	: 170432001
Instrument ID	: GCMS5	Analysis Date	: 04/01/20 22:18
Tune Standard	: R1300645-34	Tune File ID	: Tune1_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	43.2
68	Less than 2.0% of mass 69	0.1 (.3 )1
69		100
70	Less than 2.0% of mass 69	0.1 (.2 )1
127	10.0 - 80.0% of Base Peak	50.1
197	Less than 2.0% of mass 198	0
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	6.8
275	10.0 - 60.0% of Base Peak	21.1
365	Greater than 1.0% of mass 198	2
441	Present, but less than 24% of mass 442	15.4
442	Base Peak, or >50% of mass 198	61.8
443	15.0 - 24.0% of mass 442	11.6 (18.8)2

1-Value is % of mass 69 2-Value is % of mass 442

**This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:**

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
ABNL10	R1300645-3	ABNL10	04/01/20 22:40
ABNL9	R1300645-8	ABNL9	04/01/20 23:03
ABNL8	R1300645-9	ABNL8	04/01/20 23:25
ABNL7	R1300645-10	ABNL7	04/01/20 23:48
ABNL6	R1300645-7	ABNL6	04/02/20 00:11
ABNL5	R1300645-6	ABNL5	04/02/20 00:33
ABNL4	R1300645-4	ABNL4	04/02/20 00:56
ABNL3	R1300645-5	ABNL3	04/02/20 01:18
ABNL2	R1300645-2	ABNL2	04/02/20 01:40
ABNL1	R1300645-1	ABNL1	04/02/20 02:03
AP9L10	R1300645-23	AP9L10	04/02/20 02:25
AP9L9	R1300645-32	AP9L9	04/02/20 02:48
AP9L8	R1300645-29	AP9L8	04/02/20 03:11
AP9L7	R1300645-30	AP9L7	04/02/20 03:33
AP9L6	R1300645-31	AP9L6	04/02/20 03:56
AP9L5	R1300645-28	AP9L5	04/02/20 04:19
AP9L4	R1300645-27	AP9L4	04/02/20 04:41
AP9L3	R1300645-25	AP9L3	04/02/20 05:04
AP9L2	R1300645-26	AP9L2	04/02/20 05:26
AP9L1	R1300645-24	AP9L1	04/02/20 05:49
AP9 ICV Quant Report	R1300645-33	AP9ICV	04/02/20 06:34



**Instrument Performance Check (Tune) Summary  
Form 5  
Semivolatiles  
Decafluorotriphenylphosphine (DFTPP)**

Client	: Langan Engineering & Environmental	Lab Number	: L2051957
Project Name	: 266-270 W. 96TH STREET	Project Number	: 170432001
Instrument ID	: GCMS5	Analysis Date	: 04/02/20 06:57
Tune Standard	: R1300645-35	Tune File ID	: Tune2_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	42.8
68	Less than 2.0% of mass 69	0.6 (1.4 )1
69		100
70	Less than 2.0% of mass 69	0.3 (.7 )1
127	10.0 - 80.0% of Base Peak	52.3
197	Less than 2.0% of mass 198	0
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	6.8
275	10.0 - 60.0% of Base Peak	21.6
365	Greater than 1.0% of mass 198	1.9
441	Present, but less than 24% of mass 442	17.4
442	Base Peak, or >50% of mass 198	61.5
443	15.0 - 24.0% of mass 442	12.2 (19.8)2

1-Value is % of mass 69 2-Value is % of mass 442

**This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:**

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
ADPL10	R1300645-14	ADPL10	04/02/20 07:20
ADPL9	R1300645-21	ADPL9	04/02/20 07:42
ADPL8	R1300645-20	ADPL8	04/02/20 08:05
ADPL7	R1300645-19	ADPL7	04/02/20 08:28
ADPL6	R1300645-18	ADPL6	04/02/20 08:50
ADPL5	R1300645-17	ADPL5	04/02/20 09:13
ADPL4	R1300645-16	ADPL4	04/02/20 09:35
ADPL3	R1300645-15	ADPL3	04/02/20 09:58
ADPL2	R1300645-13	ADPL2	04/02/20 10:21
ADPL1	R1300645-12	ADPL1	04/02/20 10:43
ADP ICV Quant Report	R1300645-22	ADPICV	04/02/20 11:06
ABN ICV Quant Report	R1300645-11	ABNICVA	04/02/20 11:51



**Instrument Performance Check (Tune) Summary  
Form 5  
Semivolatiles  
Decafluorotriphenylphosphine (DFTPP)**

Client	: Langan Engineering & Environmental	Lab Number	: L2051957
Project Name	: 266-270 W. 96TH STREET	Project Number	: 170432001
Instrument ID	: GCMS5	Analysis Date	: 12/07/20 08:34
Tune Standard	: WG1441843-1	Tune File ID	: Deg1207_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	38.7
68	Less than 2.0% of mass 69	0 (0 )1
69		100
70	Less than 2.0% of mass 69	0.1 (.2 )1
127	10.0 - 80.0% of Base Peak	46.8
197	Less than 2.0% of mass 198	0
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	6.8
275	10.0 - 60.0% of Base Peak	22.8
365	Greater than 1.0% of mass 198	2.4
441	Present, but less than 24% of mass 442	16.5
442	Base Peak, or >50% of mass 198	69.7
443	15.0 - 24.0% of mass 442	13.8 (19.8)2

1-Value is % of mass 69 2-Value is % of mass 442

**This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:**

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
WG1441843-3CCAL	WG1441843-3	ABN1207	12/07/20 08:56
WG1441843-4CCAL	WG1441843-4	AP91207	12/07/20 09:19
WG1441843-5CCAL	WG1441843-5	ADP1207	12/07/20 09:41
SB23_0-2	L2051957-01D	51957-01	12/07/20 19:20





**Instrument Performance Check (Tune) Summary  
Form 5  
Semivolatiles  
Decafluorotriphenylphosphine (DFTPP)**

Client	: Langan Engineering & Environmental	Lab Number	: L2051957
Project Name	: 266-270 W. 96TH STREET	Project Number	: 170432001
Instrument ID	: BUFFY	Analysis Date	: 11/20/20 17:10
Tune Standard	: R1377340-31	Tune File ID	: Tune1_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	35.1
68	Less than 2.0% of mass 69	0 (0 )1
69		100
70	Less than 2.0% of mass 69	0.2 (.6 )1
127	10.0 - 80.0% of Base Peak	48.9
197	Less than 2.0% of mass 198	0
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	6.7
275	10.0 - 60.0% of Base Peak	29.5
365	Greater than 1.0% of mass 198	3.3
441	Present, but less than 24% of mass 442	17.9
442	Base Peak, or >50% of mass 198	94
443	15.0 - 24.0% of mass 442	17.9 (19 )2

1-Value is % of mass 69 2-Value is % of mass 442

**This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:**

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
ABNL10	R1377340-2	ABNL10	11/20/20 17:33
ABNL9	R1377340-11	ABNL9	11/20/20 17:56
ABNL8	R1377340-8	ABNL8	11/20/20 18:19
ABNL7	R1377340-9	ABNL7	11/20/20 18:41
ABNL6	R1377340-6	ABNL6	11/20/20 19:04
ABNL5	R1377340-5	ABNL5	11/20/20 19:27
ABNL4	R1377340-7	ABNL4	11/20/20 19:50
ABNL3	R1377340-3	ABNL3	11/20/20 20:13
ABNL2	R1377340-4	ABNL2	11/20/20 20:36
ABNL1	R1377340-1	ABNL1	11/20/20 20:59
AP9L10	R1377340-22	AP9L10	11/20/20 21:21
AP9L9	R1377340-29	AP9L9	11/20/20 21:44
AP9L8	R1377340-30	AP9L8	11/20/20 22:07
AP9L7	R1377340-28	AP9L7	11/20/20 22:30
AP9L6	R1377340-27	AP9L6	11/20/20 22:53
AP9L5	R1377340-24	AP9L5	11/20/20 23:16
AP9L4	R1377340-25	AP9L4	11/20/20 23:39
AP9L3	R1377340-26	AP9L3	11/21/20 00:02
AP9L2	R1377340-23	AP9L2	11/21/20 00:25
AP9L1	R1377340-20	AP9L1	11/21/20 00:48
ABN ICV Quant Report	R1377340-33	ABNICV	11/21/20 01:11
AP9 ICV Quant Report	R1377340-35	AP9ICV	11/21/20 01:33



**Instrument Performance Check (Tune) Summary  
Form 5  
Semivolatiles  
Decafluorotriphenylphosphine (DFTPP)**

Client	: Langan Engineering & Environmental	Lab Number	: L2051957
Project Name	: 266-270 W. 96TH STREET	Project Number	: 170432001
Instrument ID	: BUFFY	Analysis Date	: 11/21/20 01:56
Tune Standard	: R1377340-32	Tune File ID	: Tune2_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	35.4
68	Less than 2.0% of mass 69	0.4 (1 )1
69		100
70	Less than 2.0% of mass 69	0.2 (.5 )1
127	10.0 - 80.0% of Base Peak	49.9
197	Less than 2.0% of mass 198	0
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	6.6
275	10.0 - 60.0% of Base Peak	27.8
365	Greater than 1.0% of mass 198	3
441	Present, but less than 24% of mass 442	18.3
442	Base Peak, or >50% of mass 198	82.9
443	15.0 - 24.0% of mass 442	16.2 (19.6)2

1-Value is % of mass 69 2-Value is % of mass 442

**This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:**

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
ADPL10	R1377340-13	ADPL10	11/21/20 02:19
ADPL9	R1377340-21	ADPL9	11/21/20 02:42
ADPL8	R1377340-19	ADPL8	11/21/20 03:05
ADPL7	R1377340-18	ADPL7	11/21/20 03:28
ADPL6	R1377340-17	ADPL6	11/21/20 03:51
ADPL5	R1377340-16	ADPL5	11/21/20 04:13
ADPL4	R1377340-14	ADPL4	11/21/20 04:36
ADPL3	R1377340-15	ADPL3	11/21/20 04:59
ADPL2	R1377340-12	ADPL2	11/21/20 05:22
ADPL1	R1377340-10	ADPL1	11/21/20 05:45
ADP ICV Quant Report	R1377340-34	ADPICV	11/21/20 06:08



**Instrument Performance Check (Tune) Summary  
Form 5  
Semivolatiles  
Decafluorotriphenylphosphine (DFTPP)**

Client	: Langan Engineering & Environmental	Lab Number	: L2051957
Project Name	: 266-270 W. 96TH STREET	Project Number	: 170432001
Instrument ID	: BUFFY	Analysis Date	: 12/03/20 07:08
Tune Standard	: WG1440617-1	Tune File ID	: Deg1203_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	37.6
68	Less than 2.0% of mass 69	0 (0 )1
69		100
70	Less than 2.0% of mass 69	0.3 (.7 )1
127	10.0 - 80.0% of Base Peak	50.4
197	Less than 2.0% of mass 198	0
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	6.7
275	10.0 - 60.0% of Base Peak	28.3
365	Greater than 1.0% of mass 198	3
441	Present, but less than 24% of mass 442	18.9
442	Base Peak, or >50% of mass 198	83.3
443	15.0 - 24.0% of mass 442	16 (19.2)2

1-Value is % of mass 69 2-Value is % of mass 442

**This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:**

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
WG1440617-4CCAL	WG1440617-4	AP91203	12/03/20 08:01
WG1440617-5CCAL	WG1440617-5	ADP1203	12/03/20 08:24
WG1440617-3CCAL	WG1440617-3	ABN1203A	12/03/20 08:49
WG1440317-1BLANK	WG1440317-1	440317-1	12/03/20 09:11
WG1440317-2LCS	WG1440317-2	440317-2	12/03/20 09:34
WG1440317-3LCSD	WG1440317-3	440317-3	12/03/20 09:57
SB23_5-6	L2051957-02	51957-02	12/03/20 10:20
SB23_0-2	L2051957-01	51957-01	12/03/20 18:17



# Internal Standard Area and RT Summary

## Form 8a

### Semivolatiles

Client : Langan Engineering & Environmental	Lab Number : L2051957
Project Name : 266-270 W. 96TH STREET	Project Number : 170432001
Instrument ID : BUFFY	Analysis Date : 12/03/20 08:49:00
Sample No : WG1440617-3	Lab File ID : ABN1203A

	1,4-Dichlorobenzene-d4		Naphthalene-d8		Acenaphthene-d10	
	Area	RT	Area	RT	Area	RT
WG1440617-3	197138	3.96	800181	5.04	485357	6.54
Upper Limit	394276	4.46	1600362	5.54	970714	7.04
Lower Limit	98569	3.46	400091	4.54	242679	6.04
<hr/>						
Sample ID						
WG1440617-4 CCAL	207397	3.96	813715	5.03	484202	6.54
WG1440617-5 CCAL	195628	3.96	-	-	456868	6.54
WG1440317-1 BLANK	198252	3.96	764402	5.03	452502	6.54
WG1440317-2 LCS	203012	3.96	828545	5.04	498692	6.54
WG1440317-3 LCSD	203118	3.96	802768	5.04	487797	6.54
SB23_5-6	201541	3.96	799671	5.03	478826	6.54
SB23_0-2	210010	3.97	834847	5.04	490410	6.54

Area Upper Limit = +100% of internal standard area  
 Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT  
 RT Lower Limit = -0.50 minutes of internal standard RT

\* Values outside of QC limits



**Internal Standard Area and RT Summary  
Form 8a  
Semivolatiles**

<b>Client</b> : Langan Engineering & Environmental <b>Project Name</b> : 266-270 W. 96TH STREET <b>Instrument ID</b> : BUFFY <b>Sample No</b> : WG1440617-3	<b>Lab Number</b> : L2051957 <b>Project Number</b> : 170432001 <b>Analysis Date</b> : 12/03/20 08:01:00 <b>Lab File ID</b> : ABN1203A
--	--

	Phenanthrene-d10		Chrysene-d12		Perylene-d12	
	Area	RT	Area	RT	Area	RT
WG1440617-3	1010214	7.82	1092403	10.37	1203634	12.45
Upper Limit	2020428	8.32	2184806	10.87	2407268	12.95
Lower Limit	505107	7.32	546202	9.87	601817	11.95
<b>Sample ID</b>						
WG1440617-4 CCAL	1007048	7.82	-	-	-	-
WG1440617-5 CCAL	941073	7.82	-	-	-	-
WG1440317-1 BLANK	958657	7.81	1040094	10.37	1166179	12.45
WG1440317-2 LCS	1025611	7.82	1102121	10.37	1211120	12.45
WG1440317-3 LCSD	1006593	7.82	1100307	10.37	1193753	12.45
SB23_5-6	1031841	7.81	1107941	10.37	1214951	12.45
SB23_0-2	1008771	7.82	1039253	10.38	1087417	12.46

Area Upper Limit = +100% of internal standard area  
 Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT  
 RT Lower Limit = -0.50 minutes of internal standard RT

\* Values outside of QC limits



# Internal Standard Area and RT Summary

## Form 8a

### Semivolatiles

Client	: Langan Engineering & Environmental	Lab Number	: L2051957
Project Name	: 266-270 W. 96TH STREET	Project Number	: 170432001
Instrument ID	: GCMS5	Analysis Date	: 12/07/20 08:56:00
Sample No	: WG1441843-3	Lab File ID	: ABN1207

	1,4-Dichlorobenzene-d4		Naphthalene-d8		Acenaphthene-d10	
	Area	RT	Area	RT	Area	RT
WG1441843-3	99719	3.67	368220	4.78	233757	6.22
Upper Limit	199438	4.17	736440	5.28	467514	6.72
Lower Limit	49860	3.17	184110	4.28	116879	5.72
<hr/>						
Sample ID						
WG1441843-4 CCAL	109183	3.67	405011	4.78	254372	6.22
WG1441843-5 CCAL	96211	3.67	-	-	219491	6.22
SB23_0-2	121897	3.68	471737	4.78	296863	6.23

Area Upper Limit = +100% of internal standard area  
 Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT  
 RT Lower Limit = -0.50 minutes of internal standard RT

\* Values outside of QC limits



# Internal Standard Area and RT Summary

## Form 8a

### Semivolatiles

Client	: Langan Engineering & Environmental	Lab Number	: L2051957
Project Name	: 266-270 W. 96TH STREET	Project Number	: 170432001
Instrument ID	: GCMS5	Analysis Date	: 12/07/20 08:56:00
Sample No	: WG1441843-3	Lab File ID	: ABN1207

	Phenanthrene-d10		Chrysene-d12		Perylene-d12	
	Area	RT	Area	RT	Area	RT
WG1441843-3	487166	7.42	560435	9.77	641641	11.02
Upper Limit	974332	7.92	1120870	10.27	1283282	11.52
Lower Limit	243583	6.92	280218	9.27	320821	10.52
<hr/>						
Sample ID						
WG1441843-4 CCAL	531615	7.42	-	-	-	-
WG1441843-5 CCAL	453965	7.41	-	-	-	-
SB23_0-2	594352	7.42	584392	9.78	623176	11.03

Area Upper Limit = +100% of internal standard area  
 Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT  
 RT Lower Limit = -0.50 minutes of internal standard RT

\* Values outside of QC limits





Date Created: 04/22/20  
 Created By: Jason Hebert  
 File: PM8396-1  
 Page: 1

ABN Extractables - EPA 8270D (WATER)

Holding Time: 7 days  
 Container/Sample Preservation: 2 - Amber 1000ml unpreserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Acenaphthene	83-32-9	2	1.06	ug/l	37-111	30	37-111	30	30			
Benzidine	92-87-5	20	8.14	ug/l	10-75	30	10-75	30	30			
1,2,4-Trichlorobenzene	120-82-1	5	0.581	ug/l	39-98	30	39-98	30	30			
Hexachlorobenzene	118-74-1	2	0.69	ug/l	40-140	30	40-140	30	30			
Bis(2-chloroethyl)ether	111-44-4	2	0.884	ug/l	40-140	30	40-140	30	30			
2-Chloronaphthalene	91-58-7	2	0.538	ug/l	40-140	30	40-140	30	30			
1,2-Dichlorobenzene	95-50-1	2	0.636	ug/l	40-140	30	40-140	30	30			
1,3-Dichlorobenzene	541-73-1	2	0.642	ug/l	40-140	30	40-140	30	30			
1,4-Dichlorobenzene	106-46-7	2	0.463	ug/l	36-97	30	36-97	30	30			
3,3'-Dichlorobenzidine	91-94-1	5	0.854	ug/l	40-140	30	40-140	30	30			
2,4-Dinitrotoluene	121-14-2	5	0.382	ug/l	48-143	30	48-143	30	30			
2,6-Dinitrotoluene	606-20-2	5	0.368	ug/l	40-140	30	40-140	30	30			
Azobenzene	103-33-3	2	0.81	ug/l	40-140	30	40-140	30	30			
Fluoranthene	206-44-0	2	0.653	ug/l	40-140	30	40-140	30	30			
4-Chlorophenyl phenyl ether	7005-72-3	2	0.795	ug/l	40-140	30	40-140	30	30			
4-Bromophenyl phenyl ether	101-55-3	2	0.632	ug/l	40-140	30	40-140	30	30			
Bis(2-chloroisopropyl)ether	108-60-1	2	1.75	ug/l	40-140	30	40-140	30	30			
Bis(2-chloroethoxy)methane	111-91-1	5	1.49	ug/l	40-140	30	40-140	30	30			
Hexachlorobutadiene	87-68-3	2	0.6	ug/l	40-140	30	40-140	30	30			
Hexachlorocyclopentadiene	77-47-4	20	0.606	ug/l	40-140	30	40-140	30	30			
Hexachloroethane	67-72-1	2	0.44	ug/l	40-140	30	40-140	30	30			
Isophorone	78-59-1	5	0.657	ug/l	40-140	30	40-140	30	30			
Naphthalene	91-20-3	2	0.669	ug/l	40-140	30	40-140	30	30			
Nitrobenzene	98-95-3	2	0.656	ug/l	40-140	30	40-140	30	30			
NitrosoDiPhenylAmine(NDPA)/DPA	86-30-6	2	0.65	ug/l	40-140	30	40-140	30	30			
n-Nitrosodi-n-propylamine	621-64-7	5	0.771	ug/l	29-132	30	29-132	30	30			
Bis(2-Ethylhexyl)phthalate	117-81-7	3	1.51	ug/l	40-140	30	40-140	30	30			
Butyl benzyl phthalate	85-68-7	5	2.18	ug/l	40-140	30	40-140	30	30			
Di-n-butylphthalate	84-74-2	5	0.58	ug/l	40-140	30	40-140	30	30			
Di-n-octylphthalate	117-84-0	5	2.39	ug/l	40-140	30	40-140	30	30			
Diethyl phthalate	84-66-2	5	4.3	ug/l	40-140	30	40-140	30	30			
Dimethyl phthalate	131-11-3	5	4.44	ug/l	40-140	30	40-140	30	30			
Benzo(a)anthracene	56-55-3	2	0.767	ug/l	40-140	30	40-140	30	30			
Benzo(a)pyrene	50-32-8	2	0.447	ug/l	40-140	30	40-140	30	30			
Benzo(b)fluoranthene	205-99-2	2	0.814	ug/l	40-140	30	40-140	30	30			
Benzo(k)fluoranthene	207-08-9	2	0.816	ug/l	40-140	30	40-140	30	30			
Chrysene	218-01-9	2	0.828	ug/l	40-140	30	40-140	30	30			
Acenaphthylene	208-96-8	2	0.59	ug/l	45-123	30	45-123	30	30			
Anthracene	120-12-7	2	0.79	ug/l	40-140	30	40-140	30	30			
Benzo(ghi)perylene	191-24-2	2	0.77	ug/l	40-140	30	40-140	30	30			
Fluorene	86-73-7	2	1.05	ug/l	40-140	30	40-140	30	30			
Phenanthrene	85-01-8	2	0.992	ug/l	40-140	30	40-140	30	30			

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)  
 Please Note that the information provided in this table is subject to change at anytime at the discretion of Alpha Analytical, Inc.



8 Walkup Drive, Westborough, Massachusetts 01581 • 508-898-9220 • www.alphalab.com

Westborough, MA • Mansfield, MA • Bangor, ME • Portsmouth, NH • Mahwah, NJ • Albany, NY • Buffalo, NY • Holmes, PA







Date Created: 04/22/20  
 Created By: Jason Hebert  
 File: PM8396-1  
 Page: 2

ABN Extractables - EPA 8270D (WATER)

Holding Time: 7 days  
 Container/Sample Preservation: 2 - Amber 1000ml unpreserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Dibenzo(a,h)anthracene	53-70-3	2	0.452	ug/l	40-140	30	40-140	30	30			
Indeno(1,2,3-cd)Pyrene	193-39-5	2	0.943	ug/l	40-140	30	40-140	30	30			
Pyrene	129-00-0	2	0.704	ug/l	26-127	30	26-127	30	30			
Biphenyl	92-52-4	2	0.635	ug/l	40-140	30	40-140	30	30			
Aniline	62-53-3	2	0.482	ug/l	40-140	30	40-140	30	30			
4-Chloroaniline	106-47-8	5	0.647	ug/l	40-140	30	40-140	30	30			
1-Methylnaphthalene	90-12-0	2	0.595	ug/l	41-103	30	41-103	30	30			
2-Nitroaniline	88-74-4	5	0.519	ug/l	52-143	30	52-143	30	30			
3-Nitroaniline	99-09-2	5	0.574	ug/l	25-145	30	25-145	30	30			
4-Nitroaniline	100-01-6	5	0.581	ug/l	51-143	30	51-143	30	30			
Dibenzofuran	132-64-9	2	0.823	ug/l	40-140	30	40-140	30	30			
2-Methylnaphthalene	91-57-6	2	0.677	ug/l	40-140	30	40-140	30	30			
<b>1,2,4,5-Tetrachlorobenzene</b>	95-94-3	10	0.621	ug/l	2-134	30	2-134	30	30			
<b>Pentachloronitrobenzene</b>	82-68-8	10	0.596	ug/l	4-189	30	4-189	30	30			
Acetophenone	98-86-2	5	0.983	ug/l	39-129	30	39-129	30	30			
n-Nitrosodimethylamine	62-75-9	2	0.524	ug/l	22-74	30	22-74	30	30			
2,4,6-Trichlorophenol	88-06-2	5	0.494	ug/l	30-130	30	30-130	30	30			
p-Chloro-M-Cresol	59-50-7	2	0.406	ug/l	23-97	30	23-97	30	30			
2-Chlorophenol	95-57-8	2	0.405	ug/l	27-123	30	27-123	30	30			
2,4-Dichlorophenol	120-83-2	5	0.527	ug/l	30-130	30	30-130	30	30			
2,4-Dimethylphenol	105-67-9	5	1.1	ug/l	30-130	30	30-130	30	30			
2-Nitrophenol	88-75-5	10	0.463	ug/l	30-130	30	30-130	30	30			
4-Nitrophenol	100-02-7	10	1.14	ug/l	10-80	30	10-80	30	30			
2,4-Dinitrophenol	51-28-5	20	3.55	ug/l	20-130	30	20-130	30	30			
4,6-Dinitro-o-cresol	534-52-1	10	5.42	ug/l	20-164	30	20-164	30	30			
Pentachlorophenol	87-86-5	10	1.95	ug/l	9-103	30	9-103	30	30			
Phenol	108-95-2	5	1.3	ug/l	12-110	30	12-110	30	30			
2-Methylphenol	95-48-7	5	1.1	ug/l	30-130	30	30-130	30	30			
3-Methylphenol/4-Methylphenol	108-39-4/106-44-5	5	0.55	ug/l	30-130	30	30-130	30	30			
2,4,5-Trichlorophenol	95-95-4	5	0.381	ug/l	30-130	30	30-130	30	30			
Benzoic Acid	65-85-0	50	12.9	ug/l	10-164	30	10-164	30	30			
Benzyl Alcohol	100-51-6	2	0.698	ug/l	26-116	30	26-116	30	30			
Carbazole	86-74-8	2	0.759	ug/l	55-144	30	55-144	30	30			
Pyridine	110-86-1	3.5	0.905	ug/l	10-66	30	10-66	30	30			
<b>1,3-Dinitrobenzene</b>	99-65-0	2	0.386	ug/l	15-130	30	15-130	30	30			
<b>Parathion, ethyl</b>	56-38-2	10	6.4	ug/l	40-140	30	40-140	30	30			
<b>3,3'-Dimethylbenzidine</b>	119-93-7	50	7.42	ug/l	40-140	30	40-140	30	30			
<b>Thionazin</b>	297-97-2	1.7	1.7	ug/l	40-140	30	40-140	30	30			
<b>Dichloran</b>	99-30-9	5	3.36	ug/l	40-140	30	40-140	30	30			
<b>1-Chloro-2-nitrobenzene</b>	88-73-3	5	0.602	ug/l	40-140	30	40-140	30	30			
<b>2-Chloroaniline</b>	95-51-2	5	0.769	ug/l	15-130	30	15-130	30	30			
<b>3-Chloroaniline</b>	108-42-9	10	0.937	ug/l	40-140	30	40-140	30	30			

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)  
 Please Note that the information provided in this table is subject to change at anytime at the discretion of Alpha Analytical, Inc.



8 Walkup Drive, Westborough, Massachusetts 01581 • 508-898-9220 • www.alphalab.com

Westborough, MA • Mansfield, MA • Bangor, ME • Portsmouth, NH • Mahwah, NJ • Albany, NY • Buffalo, NY • Holmes, PA





# **Semivolatile Sample Data**

**Results Summary**  
**Form 1**  
**Semivolatile Organics by GC/MS**

Client : Langan Engineering & Environmental	Lab Number : L2051957
Project Name : 266-270 W. 96TH STREET	Project Number : 170432001
Lab ID : L2051957-01	Date Collected : 11/20/20 10:15
Client ID : SB23_0-2	Date Received : 11/20/20
Sample Location : NEW YORK, NY	Date Analyzed : 12/03/20 18:17
Sample Matrix : SOIL	Date Extracted : 12/02/20
Analytical Method : 1,8270D	Dilution Factor : 1
Lab File ID : 51957-01	Analyst : EK
Sample Amount : 30.31 g	Instrument ID : BUFFY
Extraction Method : EPA 3546	GC Column : RTX5-MS
Extract Volume : 1000 uL	%Solids : 86
GPC Cleanup : N	Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
83-32-9	Acenaphthene	1100	150	20.	
120-82-1	1,2,4-Trichlorobenzene	ND	190	22.	U
118-74-1	Hexachlorobenzene	ND	120	22.	U
111-44-4	Bis(2-chloroethyl)ether	ND	170	26.	U
91-58-7	2-Chloronaphthalene	ND	190	19.	U
95-50-1	1,2-Dichlorobenzene	ND	190	34.	U
541-73-1	1,3-Dichlorobenzene	ND	190	33.	U
106-46-7	1,4-Dichlorobenzene	ND	190	34.	U
91-94-1	3,3'-Dichlorobenzidine	ND	190	51.	U
121-14-2	2,4-Dinitrotoluene	ND	190	38.	U
606-20-2	2,6-Dinitrotoluene	ND	190	33.	U
206-44-0	Fluoranthene	5500	120	22.	
7005-72-3	4-Chlorophenyl phenyl ether	ND	190	20.	U
101-55-3	4-Bromophenyl phenyl ether	ND	190	29.	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	230	33.	U
111-91-1	Bis(2-chloroethoxy)methane	ND	210	19.	U
87-68-3	Hexachlorobutadiene	ND	190	28.	U
77-47-4	Hexachlorocyclopentadiene	ND	550	170	U
67-72-1	Hexachloroethane	ND	150	31.	U
78-59-1	Isophorone	ND	170	25.	U
91-20-3	Naphthalene	2900	190	23.	
98-95-3	Nitrobenzene	ND	170	28.	U



**Results Summary**  
**Form 1**  
**Semivolatile Organics by GC/MS**

Client : Langan Engineering & Environmental  
 Project Name : 266-270 W. 96TH STREET  
 Lab ID : L2051957-01  
 Client ID : SB23\_0-2  
 Sample Location : NEW YORK, NY  
 Sample Matrix : SOIL  
 Analytical Method : 1,8270D  
 Lab File ID : 51957-01  
 Sample Amount : 30.31 g  
 Extraction Method : EPA 3546  
 Extract Volume : 1000 uL  
 GPC Cleanup : N

Lab Number : L2051957  
 Project Number : 170432001  
 Date Collected : 11/20/20 10:15  
 Date Received : 11/20/20  
 Date Analyzed : 12/03/20 18:17  
 Date Extracted : 12/02/20  
 Dilution Factor : 1  
 Analyst : EK  
 Instrument ID : BUFFY  
 GC Column : RTX5-MS  
 %Solids : 86  
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
86-30-6	NDPA/DPA	ND	150	22.	U
621-64-7	n-Nitrosodi-n-propylamine	ND	190	30.	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	190	66.	U
85-68-7	Butyl benzyl phthalate	ND	190	48.	U
84-74-2	Di-n-butylphthalate	ND	190	36.	U
117-84-0	Di-n-octylphthalate	ND	190	65.	U
84-66-2	Diethyl phthalate	ND	190	18.	U
131-11-3	Dimethyl phthalate	ND	190	40.	U
56-55-3	Benzo(a)anthracene	2500	120	22.	
50-32-8	Benzo(a)pyrene	2500	150	47.	
205-99-2	Benzo(b)fluoranthene	2500	120	32.	
207-08-9	Benzo(k)fluoranthene	640	120	31.	
218-01-9	Chrysene	2500	120	20.	
208-96-8	Acenaphthylene	62	150	30.	J
120-12-7	Anthracene	2300	120	37.	
191-24-2	Benzo(ghi)perylene	1500	150	23.	
86-73-7	Fluorene	1100	190	19.	
85-01-8	Phenanthrene	8800	120	23.	E
53-70-3	Dibenzo(a,h)anthracene	300	120	22.	
193-39-5	Indeno(1,2,3-cd)pyrene	1400	150	27.	
129-00-0	Pyrene	6400	120	19.	
92-52-4	Biphenyl	280	440	45.	J



**Results Summary**  
**Form 1**  
**Semivolatile Organics by GC/MS**

Client : Langan Engineering & Environmental	Lab Number : L2051957
Project Name : 266-270 W. 96TH STREET	Project Number : 170432001
Lab ID : L2051957-01	Date Collected : 11/20/20 10:15
Client ID : SB23_0-2	Date Received : 11/20/20
Sample Location : NEW YORK, NY	Date Analyzed : 12/03/20 18:17
Sample Matrix : SOIL	Date Extracted : 12/02/20
Analytical Method : 1,8270D	Dilution Factor : 1
Lab File ID : 51957-01	Analyst : EK
Sample Amount : 30.31 g	Instrument ID : BUFFY
Extraction Method : EPA 3546	GC Column : RTX5-MS
Extract Volume : 1000 uL	%Solids : 86
GPC Cleanup : N	Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
106-47-8	4-Chloroaniline	ND	190	35.	U
88-74-4	2-Nitroaniline	ND	190	37.	U
99-09-2	3-Nitroaniline	ND	190	36.	U
100-01-6	4-Nitroaniline	ND	190	80.	U
132-64-9	Dibenzofuran	440	190	18.	
91-57-6	2-Methylnaphthalene	1200	230	23.	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	190	20.	U
98-86-2	Acetophenone	ND	190	24.	U
88-06-2	2,4,6-Trichlorophenol	ND	120	36.	U
59-50-7	p-Chloro-m-cresol	ND	190	29.	U
95-57-8	2-Chlorophenol	ND	190	23.	U
120-83-2	2,4-Dichlorophenol	ND	170	31.	U
105-67-9	2,4-Dimethylphenol	ND	190	63.	U
88-75-5	2-Nitrophenol	ND	420	72.	U
100-02-7	4-Nitrophenol	ND	270	78.	U
51-28-5	2,4-Dinitrophenol	ND	920	90.	U
534-52-1	4,6-Dinitro-o-cresol	ND	500	92.	U
87-86-5	Pentachlorophenol	ND	150	42.	U
108-95-2	Phenol	43	190	29.	J
95-48-7	2-Methylphenol	ND	190	30.	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	160	280	30.	J
95-95-4	2,4,5-Trichlorophenol	ND	190	37.	U



**Results Summary**  
**Form 1**  
**Semivolatile Organics by GC/MS**

<b>Client</b> : Langan Engineering & Environmental <b>Project Name</b> : 266-270 W. 96TH STREET <b>Lab ID</b> : L2051957-01 <b>Client ID</b> : SB23_0-2 <b>Sample Location</b> : NEW YORK, NY <b>Sample Matrix</b> : SOIL <b>Analytical Method</b> : 1,8270D <b>Lab File ID</b> : 51957-01 <b>Sample Amount</b> : 30.31 g <b>Extraction Method</b> : EPA 3546 <b>Extract Volume</b> : 1000 uL <b>GPC Cleanup</b> : N	<b>Lab Number</b> : L2051957 <b>Project Number</b> : 170432001 <b>Date Collected</b> : 11/20/20 10:15 <b>Date Received</b> : 11/20/20 <b>Date Analyzed</b> : 12/03/20 18:17 <b>Date Extracted</b> : 12/02/20 <b>Dilution Factor</b> : 1 <b>Analyst</b> : EK <b>Instrument ID</b> : BUFFY <b>GC Column</b> : RTX5-MS <b>%Solids</b> : 86 <b>Injection Volume</b> : 1 uL
---	---

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
65-85-0	Benzoic Acid	ND	620	190	U
100-51-6	Benzyl Alcohol	ND	190	59.	U
86-74-8	Carbazole	710	190	19.	
123-91-1	1,4-Dioxane	ND	29	8.8	U



**Results Summary**  
**Form 1**  
**Semivolatile Organics by GC/MS**

<b>Client</b> : Langan Engineering & Environmental <b>Project Name</b> : 266-270 W. 96TH STREET <b>Lab ID</b> : L2051957-01D <b>Client ID</b> : SB23_0-2 <b>Sample Location</b> : NEW YORK, NY <b>Sample Matrix</b> : SOIL <b>Analytical Method</b> : 1,8270D <b>Lab File ID</b> : 51957-01 <b>Sample Amount</b> : 30.31 g <b>Extraction Method</b> : EPA 3546 <b>Extract Volume</b> : 1000 uL <b>GPC Cleanup</b> : N	<b>Lab Number</b> : L2051957 <b>Project Number</b> : 170432001 <b>Date Collected</b> : 11/20/20 10:15 <b>Date Received</b> : 11/20/20 <b>Date Analyzed</b> : 12/07/20 19:20 <b>Date Extracted</b> : 12/02/20 <b>Dilution Factor</b> : 2 <b>Analyst</b> : SZ <b>Instrument ID</b> : GCMS5 <b>GC Column</b> : RTX5-MS <b>%Solids</b> : 86 <b>Injection Volume</b> : 1 uL
--	---

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
85-01-8	Phenanthrene	9400	230	47.	





**Results Summary**  
**Form 1**  
**Semivolatile Organics by GC/MS**

<b>Client</b> : Langan Engineering & Environmental <b>Project Name</b> : 266-270 W. 96TH STREET <b>Lab ID</b> : L2051957-02 <b>Client ID</b> : SB23_5-6 <b>Sample Location</b> : NEW YORK, NY <b>Sample Matrix</b> : SOIL <b>Analytical Method</b> : 1,8270D <b>Lab File ID</b> : 51957-02 <b>Sample Amount</b> : 30.69 g <b>Extraction Method</b> : EPA 3546 <b>Extract Volume</b> : 1000 uL <b>GPC Cleanup</b> : N	<b>Lab Number</b> : L2051957 <b>Project Number</b> : 170432001 <b>Date Collected</b> : 11/20/20 10:30 <b>Date Received</b> : 11/20/20 <b>Date Analyzed</b> : 12/03/20 10:20 <b>Date Extracted</b> : 12/02/20 <b>Dilution Factor</b> : 1 <b>Analyst</b> : EK <b>Instrument ID</b> : BUFFY <b>GC Column</b> : RTX5-MS <b>%Solids</b> : 84 <b>Injection Volume</b> : 1 uL
---	---

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
83-32-9	Acenaphthene	ND	160	20.	U
120-82-1	1,2,4-Trichlorobenzene	ND	190	22.	U
118-74-1	Hexachlorobenzene	ND	120	22.	U
111-44-4	Bis(2-chloroethyl)ether	ND	180	26.	U
91-58-7	2-Chloronaphthalene	ND	190	19.	U
95-50-1	1,2-Dichlorobenzene	ND	190	35.	U
541-73-1	1,3-Dichlorobenzene	ND	190	34.	U
106-46-7	1,4-Dichlorobenzene	ND	190	34.	U
91-94-1	3,3'-Dichlorobenzidine	ND	190	52.	U
121-14-2	2,4-Dinitrotoluene	ND	190	39.	U
606-20-2	2,6-Dinitrotoluene	ND	190	33.	U
206-44-0	Fluoranthene	ND	120	22.	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	190	21.	U
101-55-3	4-Bromophenyl phenyl ether	ND	190	30.	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	230	33.	U
111-91-1	Bis(2-chloroethoxy)methane	ND	210	20.	U
87-68-3	Hexachlorobutadiene	ND	190	28.	U
77-47-4	Hexachlorocyclopentadiene	ND	560	180	U
67-72-1	Hexachloroethane	ND	160	32.	U
78-59-1	Isophorone	ND	180	25.	U
91-20-3	Naphthalene	ND	190	24.	U
98-95-3	Nitrobenzene	ND	180	29.	U



**Results Summary**  
**Form 1**  
**Semivolatile Organics by GC/MS**

Client : Langan Engineering & Environmental  
 Project Name : 266-270 W. 96TH STREET  
 Lab ID : L2051957-02  
 Client ID : SB23\_5-6  
 Sample Location : NEW YORK, NY  
 Sample Matrix : SOIL  
 Analytical Method : 1,8270D  
 Lab File ID : 51957-02  
 Sample Amount : 30.69 g  
 Extraction Method : EPA 3546  
 Extract Volume : 1000 uL  
 GPC Cleanup : N

Lab Number : L2051957  
 Project Number : 170432001  
 Date Collected : 11/20/20 10:30  
 Date Received : 11/20/20  
 Date Analyzed : 12/03/20 10:20  
 Date Extracted : 12/02/20  
 Dilution Factor : 1  
 Analyst : EK  
 Instrument ID : BUFFY  
 GC Column : RTX5-MS  
 %Solids : 84  
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
86-30-6	NDPA/DPA	ND	160	22.	U
621-64-7	n-Nitrosodi-n-propylamine	ND	190	30.	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	190	67.	U
85-68-7	Butyl benzyl phthalate	ND	190	49.	U
84-74-2	Di-n-butylphthalate	ND	190	37.	U
117-84-0	Di-n-octylphthalate	ND	190	66.	U
84-66-2	Diethyl phthalate	ND	190	18.	U
131-11-3	Dimethyl phthalate	ND	190	41.	U
56-55-3	Benzo(a)anthracene	ND	120	22.	U
50-32-8	Benzo(a)pyrene	ND	160	48.	U
205-99-2	Benzo(b)fluoranthene	ND	120	33.	U
207-08-9	Benzo(k)fluoranthene	ND	120	31.	U
218-01-9	Chrysene	ND	120	20.	U
208-96-8	Acenaphthylene	ND	160	30.	U
120-12-7	Anthracene	ND	120	38.	U
191-24-2	Benzo(ghi)perylene	ND	160	23.	U
86-73-7	Fluorene	ND	190	19.	U
85-01-8	Phenanthrene	33	120	24.	J
53-70-3	Dibenzo(a,h)anthracene	ND	120	22.	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	160	27.	U
129-00-0	Pyrene	25	120	19.	J
92-52-4	Biphenyl	ND	440	45.	U



**Results Summary**  
**Form 1**  
**Semivolatile Organics by GC/MS**

Client	: Langan Engineering & Environmental	Lab Number	: L2051957
Project Name	: 266-270 W. 96TH STREET	Project Number	: 170432001
Lab ID	: L2051957-02	Date Collected	: 11/20/20 10:30
Client ID	: SB23_5-6	Date Received	: 11/20/20
Sample Location	: NEW YORK, NY	Date Analyzed	: 12/03/20 10:20
Sample Matrix	: SOIL	Date Extracted	: 12/02/20
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: 51957-02	Analyst	: EK
Sample Amount	: 30.69 g	Instrument ID	: BUFFY
Extraction Method	: EPA 3546	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: 84
GPC Cleanup	: N	Injection Volume	: 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
106-47-8	4-Chloroaniline	ND	190	35.	U
88-74-4	2-Nitroaniline	ND	190	38.	U
99-09-2	3-Nitroaniline	ND	190	37.	U
100-01-6	4-Nitroaniline	ND	190	81.	U
132-64-9	Dibenzofuran	ND	190	18.	U
91-57-6	2-Methylnaphthalene	ND	230	24.	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	190	20.	U
98-86-2	Acetophenone	ND	190	24.	U
88-06-2	2,4,6-Trichlorophenol	ND	120	37.	U
59-50-7	p-Chloro-m-cresol	ND	190	29.	U
95-57-8	2-Chlorophenol	ND	190	23.	U
120-83-2	2,4-Dichlorophenol	ND	180	31.	U
105-67-9	2,4-Dimethylphenol	ND	190	64.	U
88-75-5	2-Nitrophenol	ND	420	73.	U
100-02-7	4-Nitrophenol	ND	270	80.	U
51-28-5	2,4-Dinitrophenol	ND	940	91.	U
534-52-1	4,6-Dinitro-o-cresol	ND	510	94.	U
87-86-5	Pentachlorophenol	ND	160	43.	U
108-95-2	Phenol	ND	190	29.	U
95-48-7	2-Methylphenol	ND	190	30.	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	280	30.	U
95-95-4	2,4,5-Trichlorophenol	ND	190	37.	U



**Results Summary**  
**Form 1**  
**Semivolatile Organics by GC/MS**

<b>Client</b> : Langan Engineering & Environmental <b>Project Name</b> : 266-270 W. 96TH STREET <b>Lab ID</b> : L2051957-02 <b>Client ID</b> : SB23_5-6 <b>Sample Location</b> : NEW YORK, NY <b>Sample Matrix</b> : SOIL <b>Analytical Method</b> : 1,8270D <b>Lab File ID</b> : 51957-02 <b>Sample Amount</b> : 30.69 g <b>Extraction Method</b> : EPA 3546 <b>Extract Volume</b> : 1000 uL <b>GPC Cleanup</b> : N	<b>Lab Number</b> : L2051957 <b>Project Number</b> : 170432001 <b>Date Collected</b> : 11/20/20 10:30 <b>Date Received</b> : 11/20/20 <b>Date Analyzed</b> : 12/03/20 10:20 <b>Date Extracted</b> : 12/02/20 <b>Dilution Factor</b> : 1 <b>Analyst</b> : EK <b>Instrument ID</b> : BUFFY <b>GC Column</b> : RTX5-MS <b>%Solids</b> : 84 <b>Injection Volume</b> : 1 uL
---	---

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
65-85-0	Benzoic Acid	ND	630	200	U
100-51-6	Benzyl Alcohol	ND	190	60.	U
86-74-8	Carbazole	ND	190	19.	U
123-91-1	1,4-Dioxane	ND	29	9.0	U



**Results Summary**  
**Form 1**  
**Semivolatile Organics by GC/MS**

Client : Langan Engineering & Environmental	Lab Number : L2051957
Project Name : 266-270 W. 96TH STREET	Project Number : 170432001
Lab ID : WG1440317-1	Date Collected : NA
Client ID : WG1440317-1BLANK	Date Received : NA
Sample Location :	Date Analyzed : 12/03/20 09:11
Sample Matrix : SOIL	Date Extracted : 12/02/20
Analytical Method : 1,8270D	Dilution Factor : 1
Lab File ID : 440317-1	Analyst : JG
Sample Amount : 30.27 g	Instrument ID : BUFFY
Extraction Method : EPA 3546	GC Column : RTX5-MS
Extract Volume : 1000 uL	%Solids : NA
GPC Cleanup : N	Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
83-32-9	Acenaphthene	ND	130	17.	U
120-82-1	1,2,4-Trichlorobenzene	ND	160	19.	U
118-74-1	Hexachlorobenzene	ND	99	18.	U
111-44-4	Bis(2-chloroethyl)ether	ND	150	22.	U
91-58-7	2-Chloronaphthalene	ND	160	16.	U
95-50-1	1,2-Dichlorobenzene	ND	160	30.	U
541-73-1	1,3-Dichlorobenzene	ND	160	28.	U
106-46-7	1,4-Dichlorobenzene	ND	160	29.	U
91-94-1	3,3'-Dichlorobenzidine	ND	160	44.	U
121-14-2	2,4-Dinitrotoluene	ND	160	33.	U
606-20-2	2,6-Dinitrotoluene	ND	160	28.	U
206-44-0	Fluoranthene	ND	99	19.	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	160	18.	U
101-55-3	4-Bromophenyl phenyl ether	ND	160	25.	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	200	28.	U
111-91-1	Bis(2-chloroethoxy)methane	ND	180	16.	U
87-68-3	Hexachlorobutadiene	ND	160	24.	U
77-47-4	Hexachlorocyclopentadiene	ND	470	150	U
67-72-1	Hexachloroethane	ND	130	27.	U
78-59-1	Isophorone	ND	150	21.	U
91-20-3	Naphthalene	ND	160	20.	U
98-95-3	Nitrobenzene	ND	150	24.	U



**Results Summary**  
**Form 1**  
**Semivolatile Organics by GC/MS**

Client : Langan Engineering & Environmental	Lab Number : L2051957
Project Name : 266-270 W. 96TH STREET	Project Number : 170432001
Lab ID : WG1440317-1	Date Collected : NA
Client ID : WG1440317-1BLANK	Date Received : NA
Sample Location :	Date Analyzed : 12/03/20 09:11
Sample Matrix : SOIL	Date Extracted : 12/02/20
Analytical Method : 1,8270D	Dilution Factor : 1
Lab File ID : 440317-1	Analyst : JG
Sample Amount : 30.27 g	Instrument ID : BUFFY
Extraction Method : EPA 3546	GC Column : RTX5-MS
Extract Volume : 1000 uL	%Solids : NA
GPC Cleanup : N	Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
86-30-6	NDPA/DPA	ND	130	19.	U
621-64-7	n-Nitrosodi-n-propylamine	ND	160	26.	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	160	57.	U
85-68-7	Butyl benzyl phthalate	ND	160	42.	U
84-74-2	Di-n-butylphthalate	ND	160	31.	U
117-84-0	Di-n-octylphthalate	ND	160	56.	U
84-66-2	Diethyl phthalate	ND	160	15.	U
131-11-3	Dimethyl phthalate	ND	160	35.	U
56-55-3	Benzo(a)anthracene	ND	99	18.	U
50-32-8	Benzo(a)pyrene	ND	130	40.	U
205-99-2	Benzo(b)fluoranthene	ND	99	28.	U
207-08-9	Benzo(k)fluoranthene	ND	99	26.	U
218-01-9	Chrysene	ND	99	17.	U
208-96-8	Acenaphthylene	ND	130	26.	U
120-12-7	Anthracene	ND	99	32.	U
191-24-2	Benzo(ghi)perylene	ND	130	19.	U
86-73-7	Fluorene	ND	160	16.	U
85-01-8	Phenanthrene	ND	99	20.	U
53-70-3	Dibenzo(a,h)anthracene	ND	99	19.	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	130	23.	U
129-00-0	Pyrene	ND	99	16.	U
92-52-4	Biphenyl	ND	380	38.	U



**Results Summary**  
**Form 1**  
**Semivolatile Organics by GC/MS**

Client : Langan Engineering & Environmental	Lab Number : L2051957
Project Name : 266-270 W. 96TH STREET	Project Number : 170432001
Lab ID : WG1440317-1	Date Collected : NA
Client ID : WG1440317-1BLANK	Date Received : NA
Sample Location :	Date Analyzed : 12/03/20 09:11
Sample Matrix : SOIL	Date Extracted : 12/02/20
Analytical Method : 1,8270D	Dilution Factor : 1
Lab File ID : 440317-1	Analyst : JG
Sample Amount : 30.27 g	Instrument ID : BUFFY
Extraction Method : EPA 3546	GC Column : RTX5-MS
Extract Volume : 1000 uL	%Solids : NA
GPC Cleanup : N	Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
106-47-8	4-Chloroaniline	ND	160	30.	U
88-74-4	2-Nitroaniline	ND	160	32.	U
99-09-2	3-Nitroaniline	ND	160	31.	U
100-01-6	4-Nitroaniline	ND	160	68.	U
132-64-9	Dibenzofuran	ND	160	16.	U
91-57-6	2-Methylnaphthalene	ND	200	20.	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	160	17.	U
98-86-2	Acetophenone	ND	160	20.	U
88-06-2	2,4,6-Trichlorophenol	ND	99	31.	U
59-50-7	p-Chloro-m-cresol	ND	160	25.	U
95-57-8	2-Chlorophenol	ND	160	20.	U
120-83-2	2,4-Dichlorophenol	ND	150	26.	U
105-67-9	2,4-Dimethylphenol	ND	160	54.	U
88-75-5	2-Nitrophenol	ND	360	62.	U
100-02-7	4-Nitrophenol	ND	230	67.	U
51-28-5	2,4-Dinitrophenol	ND	790	77.	U
534-52-1	4,6-Dinitro-o-cresol	ND	430	79.	U
87-86-5	Pentachlorophenol	ND	130	36.	U
108-95-2	Phenol	ND	160	25.	U
95-48-7	2-Methylphenol	ND	160	26.	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	240	26.	U
95-95-4	2,4,5-Trichlorophenol	ND	160	32.	U



**Results Summary**  
**Form 1**  
**Semivolatile Organics by GC/MS**

<b>Client</b> : Langan Engineering & Environmental <b>Project Name</b> : 266-270 W. 96TH STREET <b>Lab ID</b> : WG1440317-1 <b>Client ID</b> : WG1440317-1BLANK <b>Sample Location</b> : <b>Sample Matrix</b> : SOIL <b>Analytical Method</b> : 1,8270D <b>Lab File ID</b> : 440317-1 <b>Sample Amount</b> : 30.27 g <b>Extraction Method</b> : EPA 3546 <b>Extract Volume</b> : 1000 uL <b>GPC Cleanup</b> : N	<b>Lab Number</b> : L2051957 <b>Project Number</b> : 170432001 <b>Date Collected</b> : NA <b>Date Received</b> : NA <b>Date Analyzed</b> : 12/03/20 09:11 <b>Date Extracted</b> : 12/02/20 <b>Dilution Factor</b> : 1 <b>Analyst</b> : JG <b>Instrument ID</b> : BUFFY <b>GC Column</b> : RTX5-MS <b>%Solids</b> : NA <b>Injection Volume</b> : 1 uL
--	---

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
65-85-0	Benzoic Acid	ND	540	170	U
100-51-6	Benzyl Alcohol	ND	160	50.	U
86-74-8	Carbazole	ND	160	16.	U
123-91-1	1,4-Dioxane	ND	25	7.6	U





Quantitation Report (QT Reviewed)

Data Path : I:\8270\Buffy\201203\  
 Data File : 51957-02.D  
 Acq On : 3 Dec 2020 10:20 am  
 Operator : Buffy:ek  
 Sample : L2051957-02,32,,am  
 Misc : wgl440617,WG1440317,ical17377  
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 07 15:53:34 2020  
 Quant Method : I:\8270\Buffy\201203\FS201120buffy.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Thu Dec 03 12:48:08 2020  
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Buffy\201203\ABN1203a.D  
 : 2 - I:\8270\Buffy\201203\ADP1203.D  
 : 3 - I:\8270\Buffy\201203\AP91203.D  
 Sub List : 8270TCL\_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	3.960	152	201541	40.000	ug/ml	0.00
Standard Area 1 = 197138			Recovery =	102.23%		
27) IS2_1,4-Dichlorobenzen...	3.960	152	201541	40.000	ug/ml	0.00
Standard Area 3 = 207397			Recovery =	97.18%		
32) IS3_1,4-Dichlorobenzen...	3.960	152	201541	40.000	ug/ml	0.00
Standard Area 2 = 195628			Recovery =	103.02%		
35) IS1_Naphthalene-d8	5.030	136	799671M2	40.000	ug/ml	0.00
Standard Area 1 = 800181			Recovery =	99.94%		
55) IS2_Naphthalene-d8	5.030	136	799671M2	40.000	ug/ml	0.00
Standard Area 3 = 813715			Recovery =	98.27%		
63) IS1_Acenaphthene-d10	6.540	164	478826	40.000	ug/ml	0.00
Standard Area 1 = 485357			Recovery =	98.65%		
83) IS2_Acenaphthene-d10	6.540	164	478826	40.000	ug/ml	0.00
Standard Area 3 = 484202			Recovery =	98.89%		
86) IS3_Acenaphthene-d10	6.540	164	478826	40.000	ug/ml	0.00
Standard Area 2 = 456868			Recovery =	104.81%		
88) IS1_Phenanthrene-d10	7.809	188	1031841	40.000	ug/ml	0.00
Standard Area 1 = 1010214			Recovery =	102.14%		
100) IS3_Phenanthrene-d10	7.809	188	1031841	40.000	ug/ml	0.00
Standard Area 2 = 941073			Recovery =	109.65%		
104) IS1_Chrysene-d12	10.365	240	1107941	40.000	ug/ml	0.00
Standard Area 1 = 1092403			Recovery =	101.42%		
113) IS1_Perylene-d12	12.445	264	1214951	40.000	ug/ml	0.00
Standard Area 1 = 1203634			Recovery =	100.94%		
System Monitoring Compounds						
4) 2-Fluorophenol	2.903	112	197668	34.555	ug/ml	0.00
Spiked Amount 50.000			Range 15 - 110	Recovery =	69.11%	
7) Phenol-d6	3.690	99	252502	36.815	ug/ml	0.00
Spiked Amount 50.000			Range 15 - 110	Recovery =	73.63%	
19) Nitrobenzene-d5	4.430	82	113426	17.956	ug/ml	0.00
Spiked Amount 25.000			Range 30 - 130	Recovery =	71.82%	
46) 2-Fluorobiphenyl	5.970	172	288993	16.796	ug/ml	0.00
Spiked Amount 25.000			Range 30 - 130	Recovery =	67.18%	
79) 2,4,6-Tribromophenol	7.221	330	111946	35.360	ug/ml	0.00
Spiked Amount 50.000			Range 15 - 110	Recovery =	70.72%	

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Buffy\201203\  
 Data File : 51957-02.D  
 Acq On : 3 Dec 2020 10:20 am  
 Operator : Buffy:ek  
 Sample : L2051957-02,32,,am  
 Misc : wgl440617,WG1440317,ical17377  
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 07 15:53:34 2020  
 Quant Method : I:\8270\Buffy\201203\FS201120buffy.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Thu Dec 03 12:48:08 2020  
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Buffy\201203\ABN1203a.D  
 : 2 - I:\8270\Buffy\201203\ADP1203.D  
 : 3 - I:\8270\Buffy\201203\AP91203.D  
 Sub List : 8270TCL\_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 4-Terphenyl-d14	9.225	244	406535	15.450	ug/ml	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	61.80%
Target Compounds						Qvalue
6) 2-Chlorophenol	0.000		0			N.D.
8) Phenol	0.000		0			N.D.
9) Bis(2-chloroethyl)ether	0.000		0			N.D.
10) 1,3-Dichlorobenzene	0.000		0			N.D.
11) 1,4-Dichlorobenzene	0.000		0			N.D.
12) 1,2-Dichlorobenzene	0.000		0			N.D.
13) Benzyl alcohol	0.000		0			N.D.
14) Bis(2-chloroisopropyl)...	0.000		0			N.D.
15) 2-Methylphenol	0.000		0			N.D.
16) Hexachloroethane	0.000		0			N.D.
17) n-Nitrosodi-n-propylamine	0.000		0			N.D.
18) 3-Methylphenol/4-Methy...	0.000		0			N.D.
20) Nitrobenzene	0.000		0			N.D. d
21) Isophorone	0.000		0			N.D.
22) 2-Nitrophenol	0.000		0			N.D.
23) 2,4-Dimethylphenol	0.000		0			N.D.
24) Bis(2-chloroethoxy)met...	0.000		0			N.D.
25) 2,4-Dichlorophenol	0.000		0			N.D.
26) 1,2,4-Trichlorobenzene	0.000		0			N.D.
29) Acetophenone	0.000		0			N.D.
33) 1,4-Dioxane	0.000		0			N.D.
36) Naphthalene	0.000		0			N.D. d
37) Benzoic Acid	0.000		0			N.D. d
38) 4-Chloroaniline	0.000		0			N.D.
39) Hexachlorobutadiene	0.000		0			N.D.
40) p-Chloro-m-cresol	0.000		0			N.D.
41) 2-Methylnaphthalene	0.000		0			N.D. d
43) Hexachlorocyclopentadiene	0.000		0			N.D.
44) 2,4,6-Trichlorophenol	0.000		0			N.D.
45) 2,4,5-Trichlorophenol	0.000		0			N.D.
47) 2-Chloronaphthalene	0.000		0			N.D.
48) 2-Nitroaniline	0.000		0			N.D.
51) Dimethyl phthalate	0.000		0			N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Buffy\201203\  
 Data File : 51957-02.D  
 Acq On : 3 Dec 2020 10:20 am  
 Operator : Buffy:ek  
 Sample : L2051957-02,32,,am  
 Misc : wgl440617,WG1440317,ical17377  
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 07 15:53:34 2020  
 Quant Method : I:\8270\Buffy\201203\FS201120buffy.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Thu Dec 03 12:48:08 2020  
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Buffy\201203\ABN1203a.D  
 : 2 - I:\8270\Buffy\201203\ADP1203.D  
 : 3 - I:\8270\Buffy\201203\AP91203.D  
 Sub List : 8270TCL\_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
52) Acenaphthylene	0.000		0		N.D.	
53) 2,6-Dinitrotoluene	0.000		0		N.D.	
61) 1,2,4,5-Tetrachloroben...	0.000		0		N.D.	
62) Biphenyl	0.000		0		N.D.	d
64) 3-Nitroaniline	0.000		0		N.D.	
65) Acenaphthene	0.000		0		N.D.	d
66) 2,4-Dinitrophenol	0.000		0		N.D.	
67) Dibenzofuran	0.000		0		N.D.	d
68) 2,4-Dinitrotoluene	0.000		0		N.D.	
69) 4-Nitrophenol	0.000		0		N.D.	
72) Diethyl phthalate	0.000		0		N.D.	
73) Fluorene	0.000		0		N.D.	d
74) 4-Chlorophenyl phenyl ...	0.000		0		N.D.	
75) 4-Nitroaniline	0.000		0		N.D.	
76) 4,6-Dinitro-o-cresol	0.000		0		N.D.	
77) NDPA/DPA	0.000		0		N.D.	d
80) 4-Bromophenyl phenyl e...	0.000		0		N.D.	
81) Hexachlorobenzene	0.000		0		N.D.	
82) Pentachlorophenol	0.000		0		N.D.	
89) Phenanthrene	7.832	178	23830	0.850	ug/ml	99
90) Anthracene	7.874	178	6228	0.213	ug/ml	95
91) Carbazole	0.000		0		N.D.	d
92) Di-n-butylphthalate	0.000		0		N.D.	d
93) Fluoranthene	8.855	202	17523	0.517	ug/ml#	88
95) Pyrene	9.049	202	22559	0.632	ug/ml	95
97) Butyl benzyl phthalate	0.000		0		N.D.	
105) Benzo(a)anthracene	10.353	228	12507	0.352	ug/ml#	88
106) 3,3'-Dichlorobenzidine	0.000		0		N.D.	
107) Chrysene	10.394	228	8463	0.255	ug/ml	96
108) Bis(2-ethylhexyl)phtha...	0.000		0		N.D.	d
109) Di-n-octylphthalate	0.000		0		N.D.	d
110) Benzo(b)fluoranthene	11.857	252	10054	0.279	ug/ml#	88
111) Benzo(k)fluoranthene	0.000		0		N.D.	d
112) Benzo(a)pyrene	12.339	252	8835	0.289	ug/ml	97
114) Indeno(1,2,3-cd)pyrene	0.000		0		N.D.	d
115) Dibenzo(a,h)anthracene	0.000		0		N.D.	d
116) Benzo(ghi)perylene	0.000		0		N.D.	d

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Buffy\201203\  
Data File : 51957-02.D  
Acq On : 3 Dec 2020 10:20 am  
Operator : Buffy:ek  
Sample : L2051957-02,32,,am  
Misc : wgl440617,WG1440317,ical17377  
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 07 15:53:34 2020  
Quant Method : I:\8270\Buffy\201203\FS201120buffy.m  
Quant Title : Semivolatiles by GC/MS by modified 8270  
QLast Update : Thu Dec 03 12:48:08 2020  
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Buffy\201203\ABN1203a.D  
              : 2 - I:\8270\Buffy\201203\ADP1203.D  
              : 3 - I:\8270\Buffy\201203\AP91203.D  
Sub List : 8270TCL\_REV2 - TCL/CT/MA

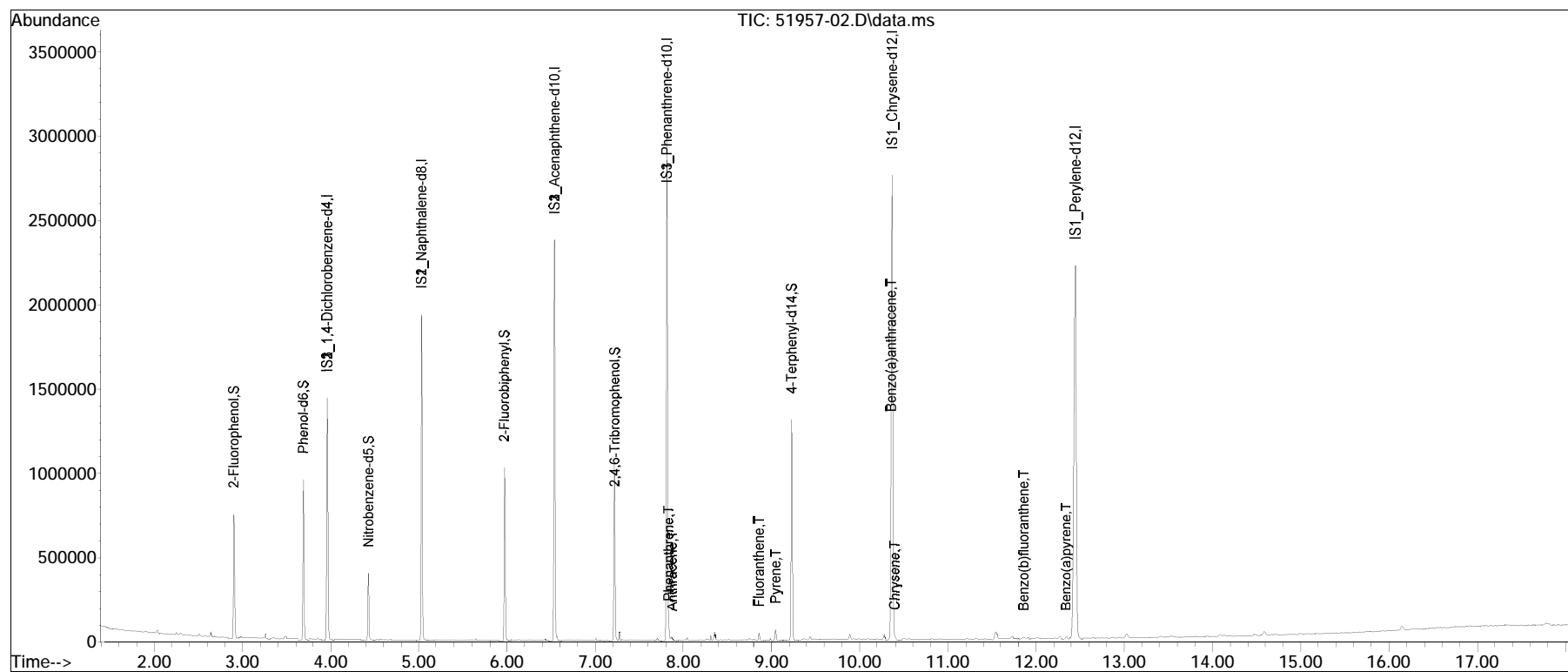
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----						
-----						
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

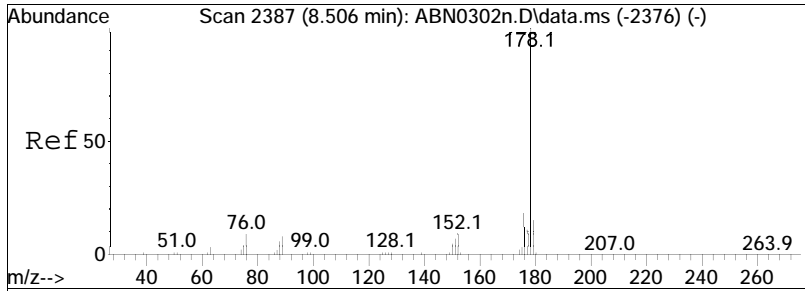
Quantitation Report (QT Reviewed)

Data Path : I:\8270\Buffy\201203\  
 Data File : 51957-02.D  
 Acq On : 3 Dec 2020 10:20 am  
 Operator : Buffy:ek  
 Sample : L2051957-02,32,,am  
 Misc : wg1440617,WG1440317,ical17377  
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 07 15:53:34 2020  
 Quant Method : I:\8270\Buffy\201203\FS201120buffy.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Thu Dec 03 12:48:08 2020  
 Response via : Initial Calibration

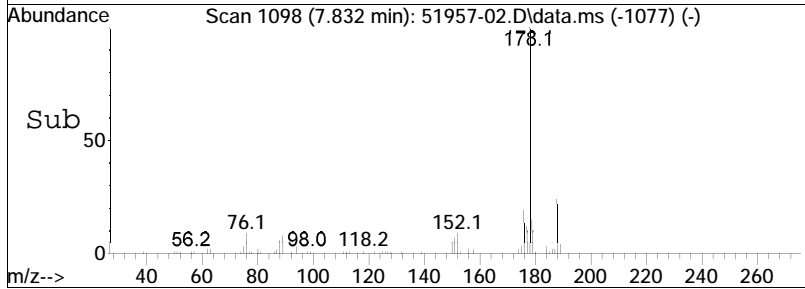
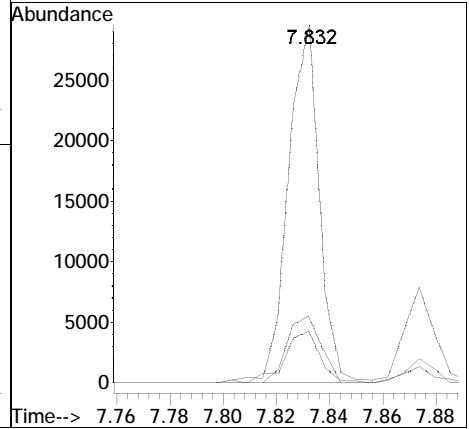
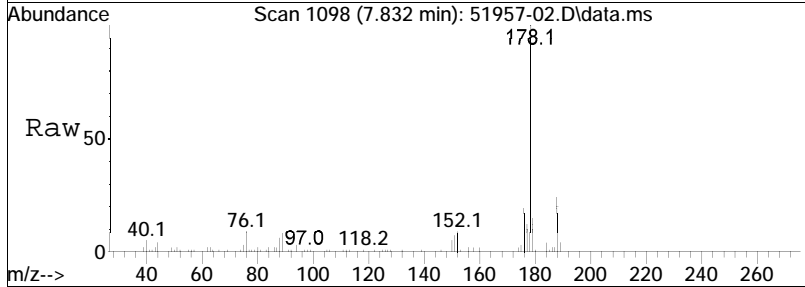
Sub List : 8270TCL\_REV2 - TCL/CT/MA\AP91203.D••

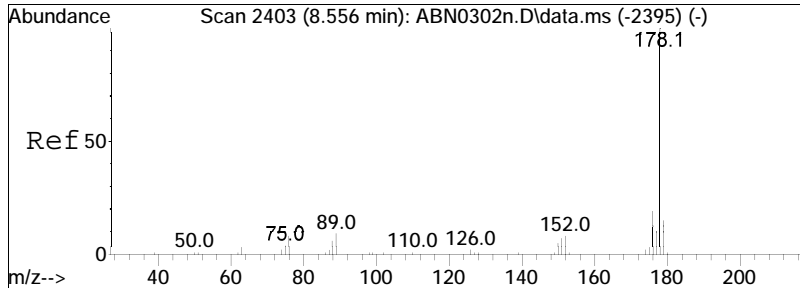




#89  
 Phenanthrene  
 Concen: 0.85 ug/ml  
 RT: 7.832 min Scan# 1098  
 Delta R.T. -0.000 min  
 Lab File: 51957-02.D  
 Acq: 3 Dec 2020 10:20 am

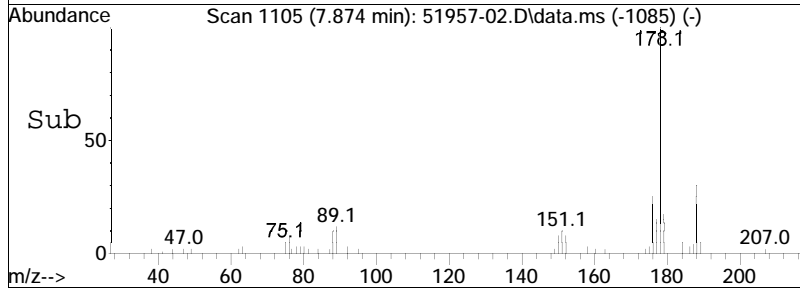
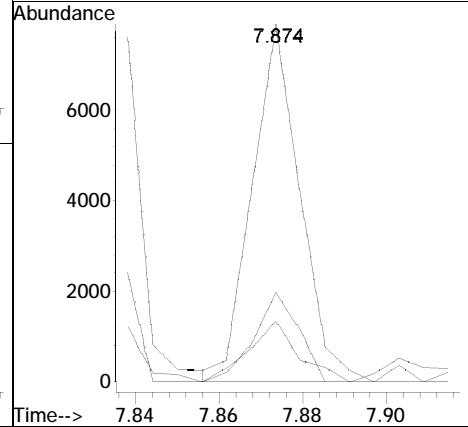
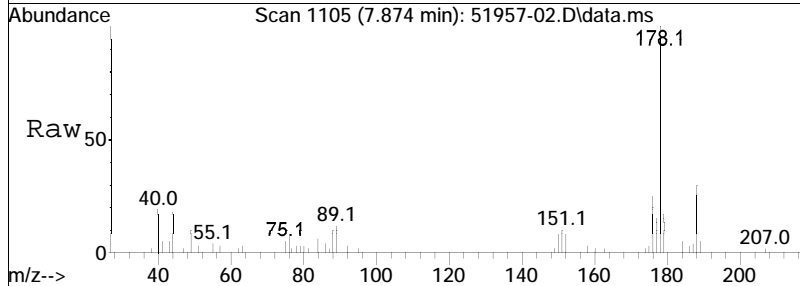
Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.8	12.9	19.3
176	20.5	16.7	25.1

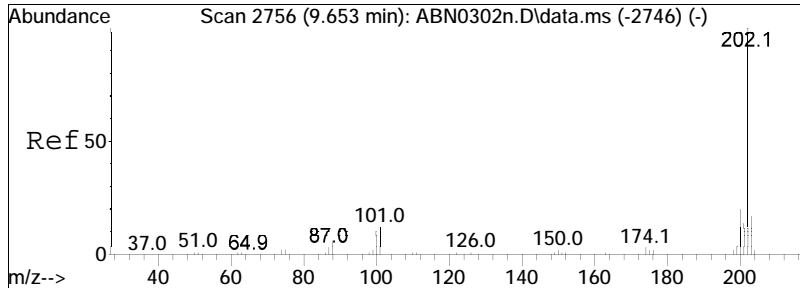




#90  
 Anthracene  
 Concen: 0.21 ug/ml  
 RT: 7.874 min Scan# 1105  
 Delta R.T. -0.006 min  
 Lab File: 51957-02.D  
 Acq: 3 Dec 2020 10:20 am

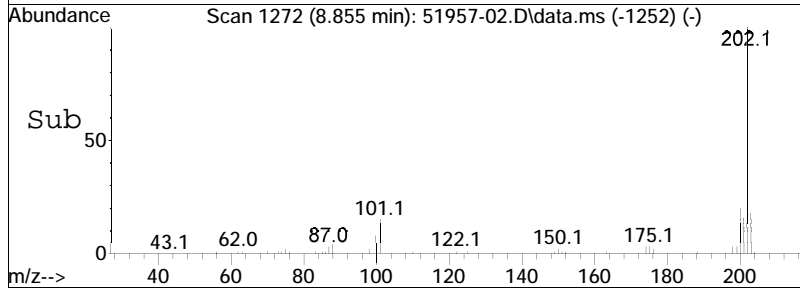
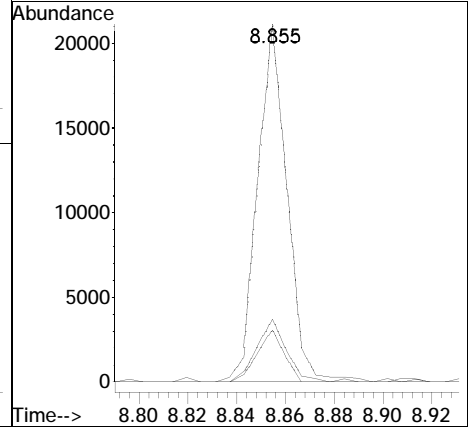
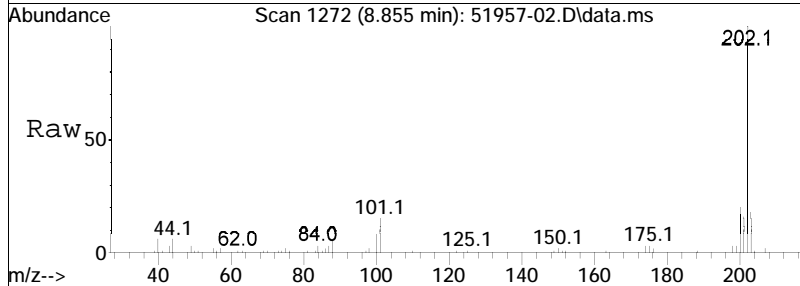
Tgt Ion	Resp	Lower	Upper
178	100		
179	17.9	12.7	19.1
176	23.4	16.6	24.8



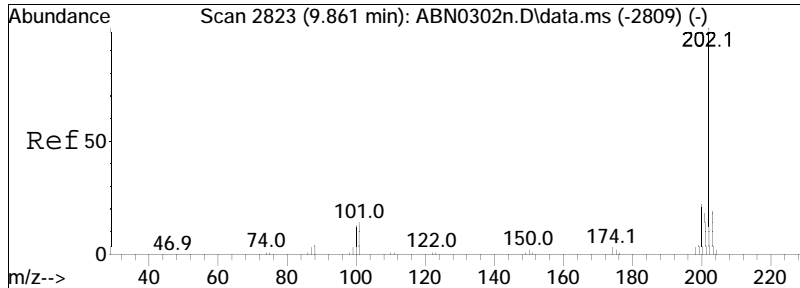


#93  
 Fluoranthene  
 Concen: 0.52 ug/ml  
 RT: 8.855 min Scan# 1272  
 Delta R.T. -0.006 min  
 Lab File: 51957-02.D  
 Acq: 3 Dec 2020 10:20 am

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.4	18.6	28.0#
203	17.7	14.2	21.2

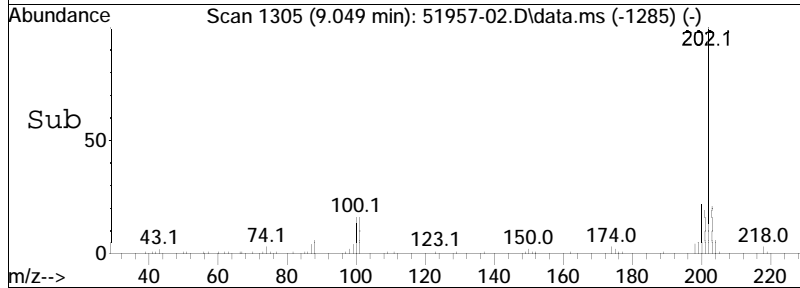
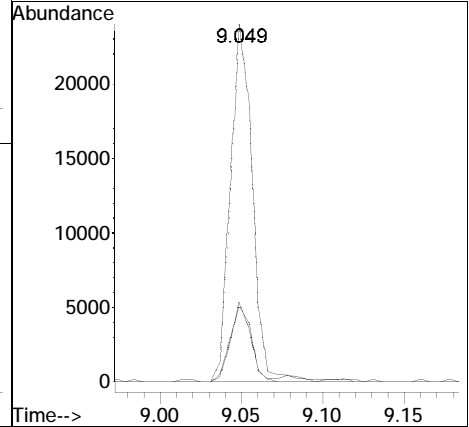
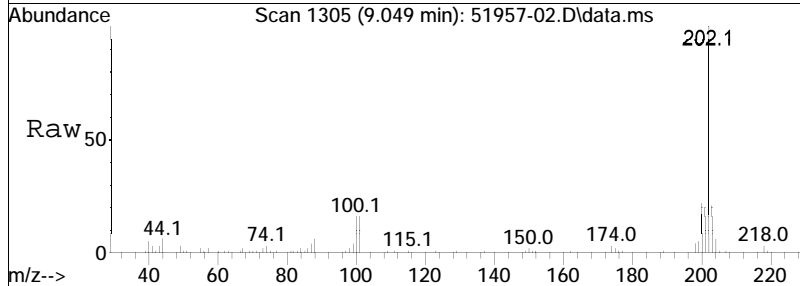


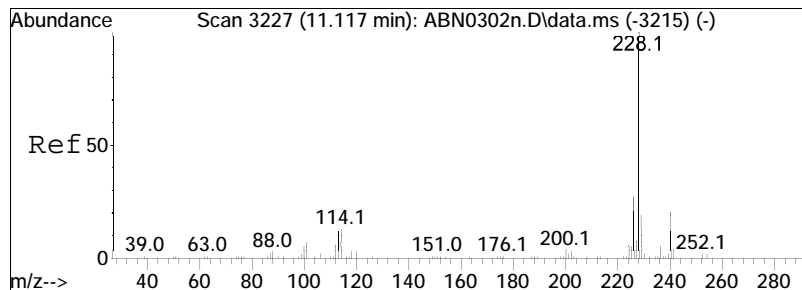




#95  
 Pyrene  
 Concen: 0.63 ug/ml  
 RT: 9.049 min Scan# 1305  
 Delta R.T. -0.006 min  
 Lab File: 51957-02.D  
 Acq: 3 Dec 2020 10:20 am

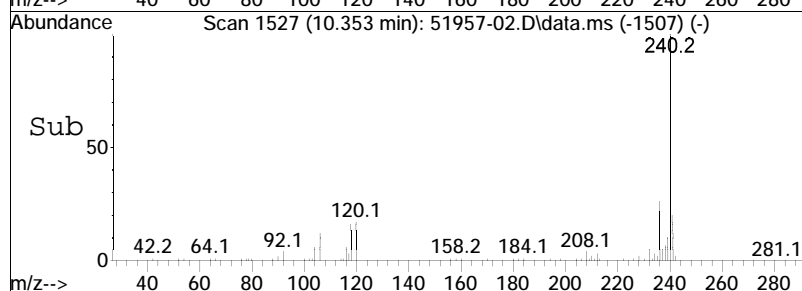
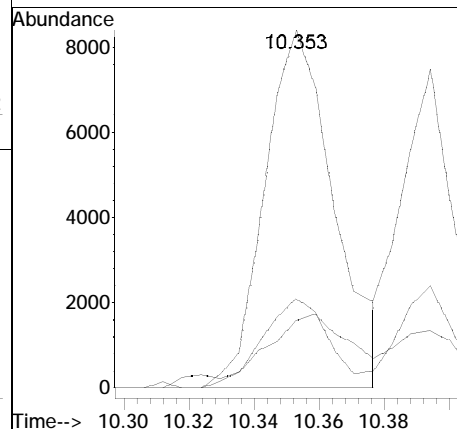
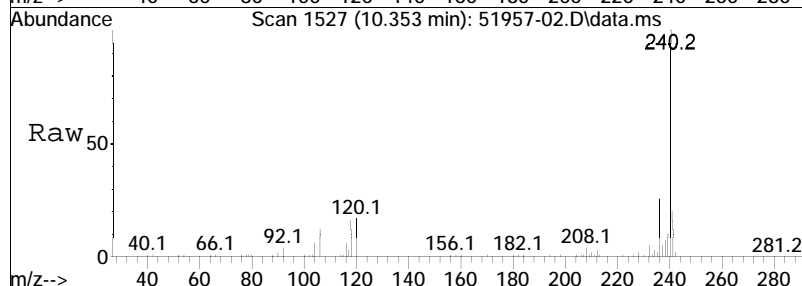
Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.1	17.8	26.8
203	21.2	14.7	22.1

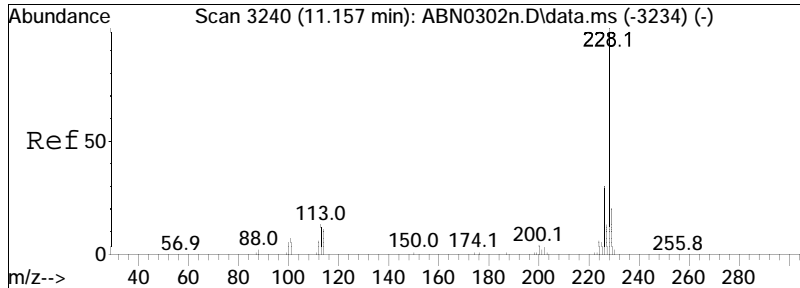




#105  
 Benzo(a)anthracene  
 Concen: 0.35 ug/ml  
 RT: 10.353 min Scan# 1527  
 Delta R.T. -0.006 min  
 Lab File: 51957-02.D  
 Acq: 3 Dec 2020 10:20 am

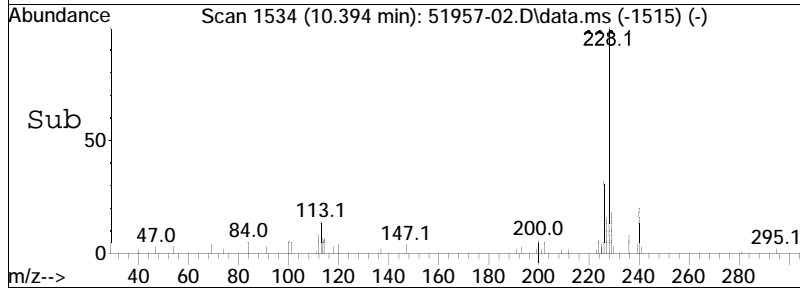
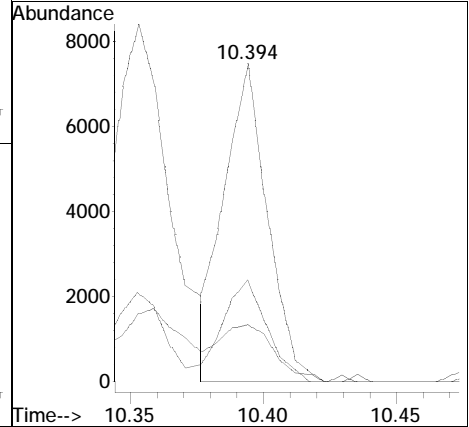
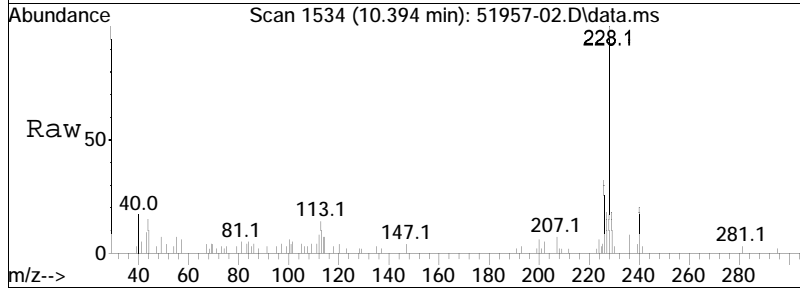
Tgt Ion	Ratio	Lower	Upper
228	100		
226	23.4	23.7	35.5#
229	26.5	16.2	24.4#

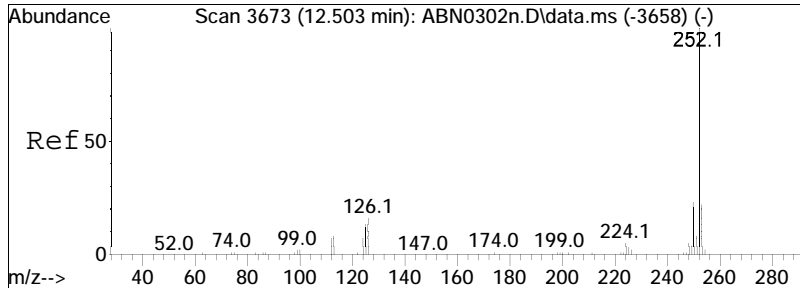




#107  
 Chrysene  
 Concen: 0.26 ug/ml  
 RT: 10.394 min Scan# 1534  
 Delta R.T. -0.012 min  
 Lab File: 51957-02.D  
 Acq: 3 Dec 2020 10:20 am

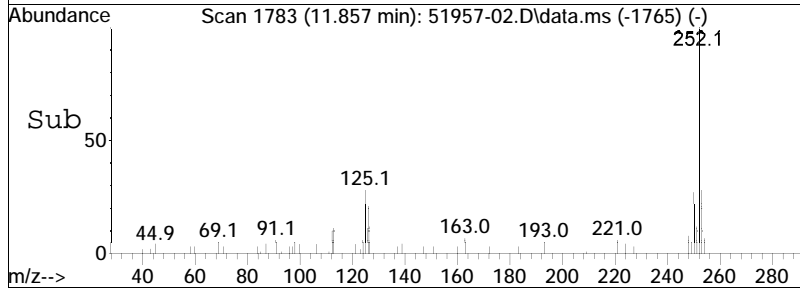
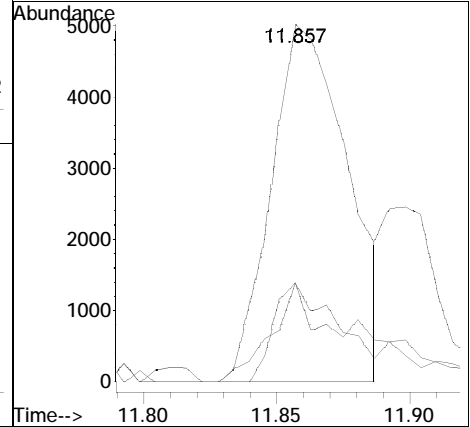
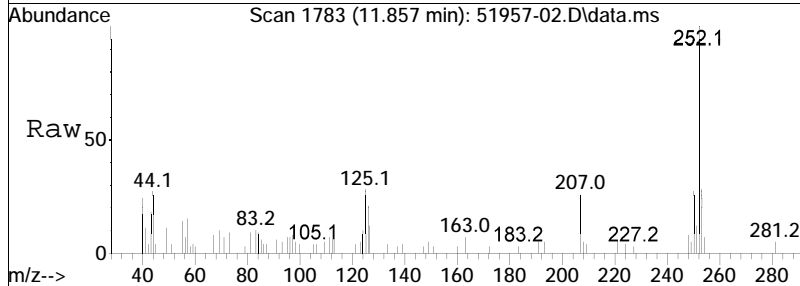
Tgt Ion	Resp	Lower	Upper
228	100		
226	33.9	25.9	38.9
229	23.1	16.2	24.4

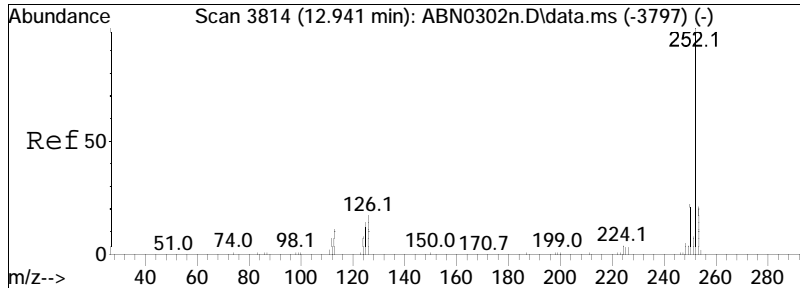




#110  
 Benzo(b)fluoranthene  
 Concen: 0.28 ug/ml  
 RT: 11.857 min Scan# 1783  
 Delta R.T. -0.018 min  
 Lab File: 51957-02.D  
 Acq: 3 Dec 2020 10:20 am

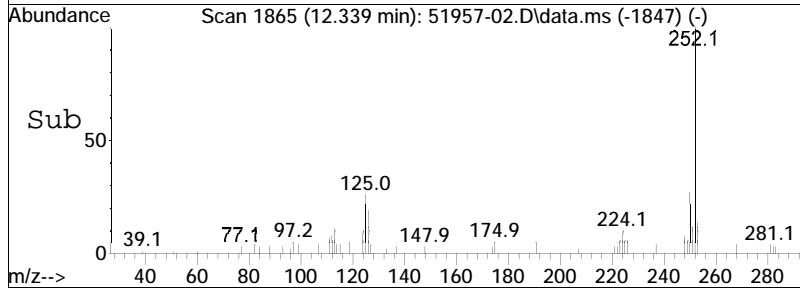
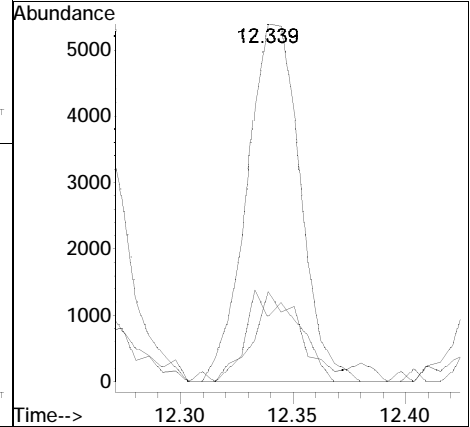
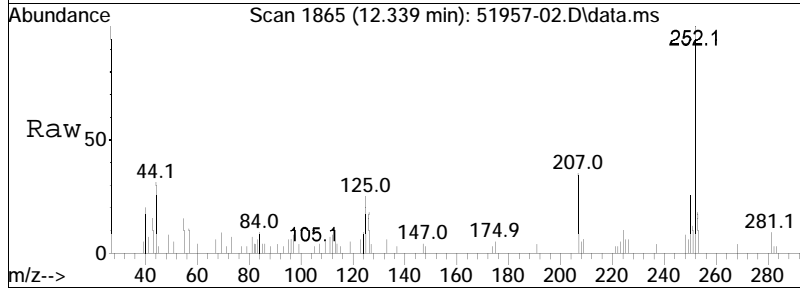
Tgt Ion	Ratio	Lower	Upper
252	100		
125	31.1	16.9	25.3#
253	23.3	17.7	26.5





#112  
 Benzo(a)pyrene  
 Concen: 0.29 ug/ml  
 RT: 12.339 min Scan# 1865  
 Delta R.T. -0.018 min  
 Lab File: 51957-02.D  
 Acq: 3 Dec 2020 10:20 am

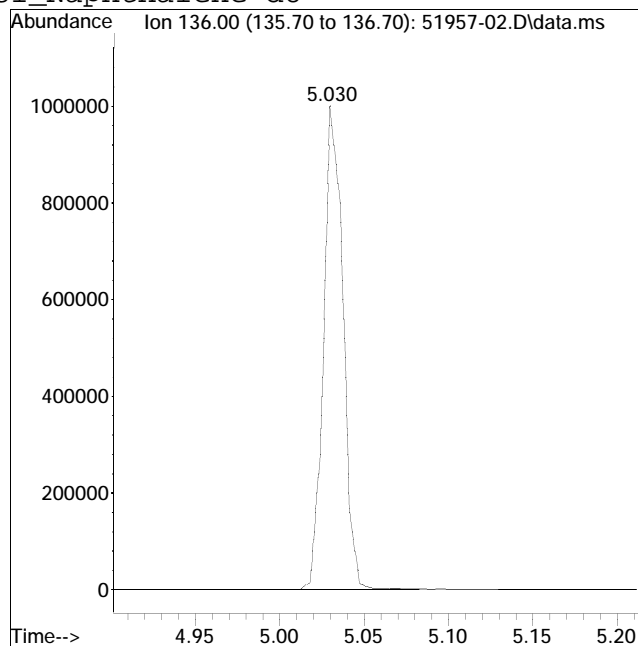
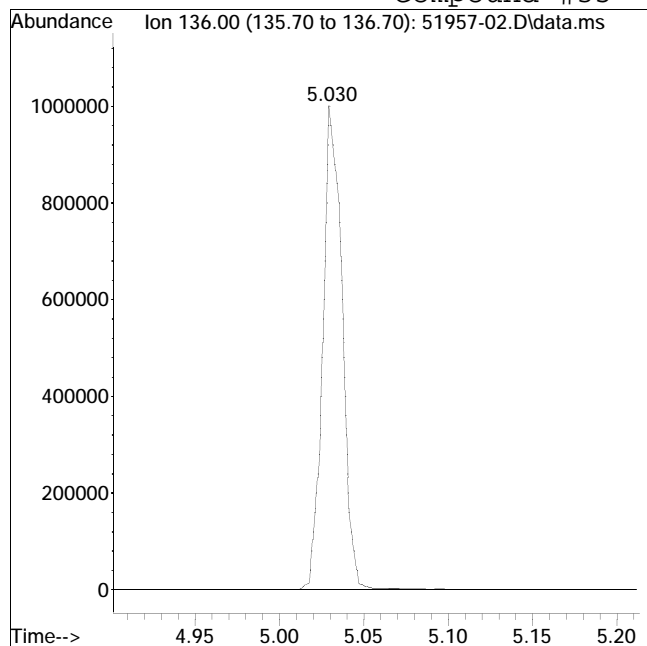
Tgt Ion	Ratio	Lower	Upper
252	100		
125	24.1	18.3	27.5
253	24.1	17.6	26.4



Manual Integration Report

Data Path : I:\8270\Buffy\201203\ QMethod : FS201120buffy.m  
Data File : 51957-02.D Operator : Buffy:ek  
Date Inj'd : 12/3/2020 10:20 am Instrument : Buffy  
Sample : L2051957-02,32,,am Quant Date : 12/3/2020 12:49 pm

Compound #35: IS1\_Naphthalene-d8



Original Peak Response = 802554

Manual Peak Response = 799671 M2

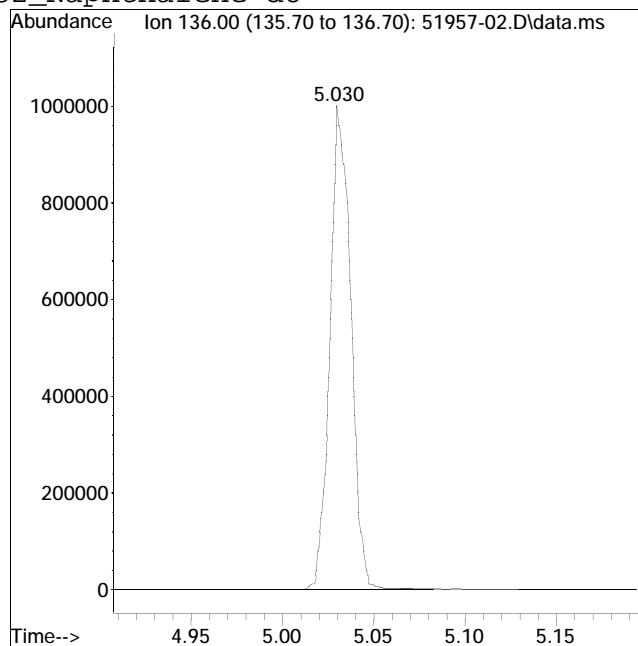
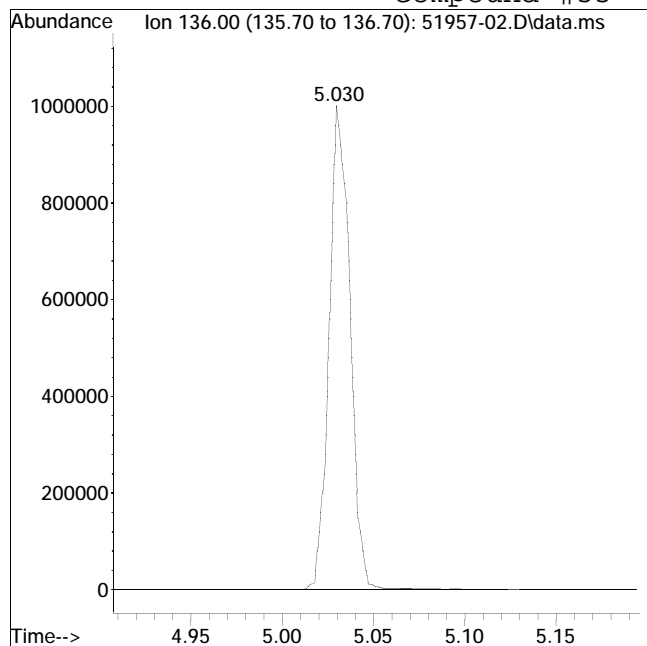
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\Buffy\201203\  
Data File : 51957-02.D  
Date Inj'd : 12/3/2020 10:20 am  
Sample : L2051957-02,32,,am

QMethod : FS201120buffy.m  
Operator : Buffy:ek  
Instrument : Buffy  
Quant Date : 12/3/2020 12:49 pm

Compound #55: IS2\_Naphthalene-d8



Original Peak Response = 802145

Manual Peak Response = 799671 M2

M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Buffy\201203\  
 Data File : 51957-01.D  
 Acq On : 3 Dec 2020 6:17 pm  
 Operator : Buffy:ek  
 Sample : L2051957-01,32,,AM,  
 Misc : WG1440617,WG1440317,ICAL17377  
 ALS Vial : 25 Sample Multiplier: 1

Quant Time: Dec 07 15:48:52 2020  
 Quant Method : i:\8270\BUFFY\201203\FS201120buffy.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Thu Dec 03 18:35:48 2020  
 Response via : Initial Calibration

CCAL FILE(s) : 1 - i:\8270\BUFFY\201203\ABN1203a.D  
 : 2 - i:\8270\BUFFY\201203\ADP1203.D  
 : 3 - i:\8270\BUFFY\201203\AP91203.D  
 Sub List : 8270TCL\_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
<b>Internal Standards</b>						
1) IS1_1,4-Dichlorobenzen...	3.966	152	210010	40.000	ug/ml	0.00
Standard Area 1 = 197138			Recovery =	106.53%		
27) IS2_1,4-Dichlorobenzen...	3.966	152	210010	40.000	ug/ml	0.00
Standard Area 3 = 207397			Recovery =	101.26%		
32) IS3_1,4-Dichlorobenzen...	3.966	152	210010	40.000	ug/ml	0.00
Standard Area 2 = 195628			Recovery =	107.35%		
35) IS1_Naphthalene-d8	5.036	136	834847	40.000	ug/ml	0.00
Standard Area 1 = 800181			Recovery =	104.33%		
55) IS2_Naphthalene-d8	5.036	136	834847	40.000	ug/ml	0.00
Standard Area 3 = 813715			Recovery =	102.60%		
63) IS1_Acenaphthene-d10	6.540	164	490410	40.000	ug/ml	0.00
Standard Area 1 = 485357			Recovery =	101.04%		
83) IS2_Acenaphthene-d10	6.540	164	490410	40.000	ug/ml	0.00
Standard Area 3 = 484202			Recovery =	101.28%		
86) IS3_Acenaphthene-d10	6.540	164	490410	40.000	ug/ml	0.00
Standard Area 2 = 456868			Recovery =	107.34%		
88) IS1_Phenanthrene-d10	7.815	188	1008771	40.000	ug/ml	0.00
Standard Area 1 = 1010214			Recovery =	99.86%		
100) IS3_Phenanthrene-d10	7.815	188	1008771	40.000	ug/ml	0.00
Standard Area 2 = 941073			Recovery =	107.19%		
104) IS1_Chrysene-d12	10.377	240	1039253	40.000	ug/ml	0.00
Standard Area 1 = 1092403			Recovery =	95.13%		
113) IS1_Perylene-d12	12.457	264	1087417	40.000	ug/ml	0.00
Standard Area 1 = 1203634			Recovery =	90.34%		
<b>System Monitoring Compounds</b>						
4) 2-Fluorophenol	2.909	112	93505	15.687	ug/ml	0.00
Spiked Amount 50.000			Range 15 - 110	Recovery =	31.37%	
7) Phenol-d6	3.690	99	239649	33.532	ug/ml	0.00
Spiked Amount 50.000			Range 15 - 110	Recovery =	67.06%	
19) Nitrobenzene-d5	4.431	82	117682	17.879	ug/ml	0.00
Spiked Amount 25.000			Range 30 - 130	Recovery =	71.52%	
46) 2-Fluorobiphenyl	5.976	172	301061	16.761	ug/ml	0.00
Spiked Amount 25.000			Range 30 - 130	Recovery =	67.04%	
79) 2,4,6-Tribromophenol	7.221	330	30340	9.357	ug/ml	0.00
Spiked Amount 50.000			Range 15 - 110	Recovery =	18.71%	



Quantitation Report (QT Reviewed)

Data Path : I:\8270\Buffy\201203\  
 Data File : 51957-01.D  
 Acq On : 3 Dec 2020 6:17 pm  
 Operator : Buffy:ek  
 Sample : L2051957-01,32,,AM,  
 Misc : WG1440617,WG1440317,ICAL17377  
 ALS Vial : 25 Sample Multiplier: 1

Quant Time: Dec 07 15:48:52 2020  
 Quant Method : i:\8270\BUFFY\201203\FS201120buffy.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Thu Dec 03 18:35:48 2020  
 Response via : Initial Calibration

CCAL FILE(s) : 1 - i:\8270\BUFFY\201203\ABN1203a.D  
 : 2 - i:\8270\BUFFY\201203\ADP1203.D  
 : 3 - i:\8270\BUFFY\201203\AP91203.D  
 Sub List : 8270TCL\_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 4-Terphenyl-d14	9.231	244	395598	15.378	ug/ml	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	61.51%
Target Compounds						Qvalue
6) 2-Chlorophenol	0.000		0	N.D.		
8) Phenol	3.702	94	9107	1.120	ug/ml#	29
9) Bis(2-chloroethyl)ether	0.000		0	N.D.		
10) 1,3-Dichlorobenzene	0.000		0	N.D.		
11) 1,4-Dichlorobenzene	0.000		0	N.D.		
12) 1,2-Dichlorobenzene	0.000		0	N.D.		
13) Benzyl alcohol	0.000		0	N.D.		
14) Bis(2-chloroisopropyl)...	0.000		0	N.D.		
15) 2-Methylphenol	4.201	108	1433	0.244	ug/ml#	87
16) Hexachloroethane	0.000		0	N.D.	d	
17) n-Nitrosodi-n-propylamine	0.000		0	N.D.		
18) 3-Methylphenol/4-Methy...	4.337	108	25377	4.120	ug/ml#	80
20) Nitrobenzene	0.000		0	N.D.	d	
21) Isophorone	0.000		0	N.D.		
22) 2-Nitrophenol	0.000		0	N.D.		
23) 2,4-Dimethylphenol	0.000		0	N.D.	d	
24) Bis(2-chloroethoxy)met...	0.000		0	N.D.		
25) 2,4-Dichlorophenol	0.000		0	N.D.		
26) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
29) Acetophenone	0.000		0	N.D.	d	
33) 1,4-Dioxane	0.000		0	N.D.		
36) Naphthalene	5.053	128	1662894	75.559	ug/ml	99
37) Benzoic Acid	0.000		0	N.D.	d	
38) 4-Chloroaniline	0.000		0	N.D.	d	
39) Hexachlorobutadiene	0.000		0	N.D.		
40) p-Chloro-m-cresol	0.000		0	N.D.		
41) 2-Methylnaphthalene	5.647	142	461949	30.144	ug/ml	93
43) Hexachlorocyclopentadiene	0.000		0	N.D.		
44) 2,4,6-Trichlorophenol	0.000		0	N.D.		
45) 2,4,5-Trichlorophenol	0.000		0	N.D.		
47) 2-Chloronaphthalene	0.000		0	N.D.	d	
48) 2-Nitroaniline	0.000		0	N.D.	d	
51) Dimethyl phthalate	0.000		0	N.D.	d	

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Buffy\201203\  
 Data File : 51957-01.D  
 Acq On : 3 Dec 2020 6:17 pm  
 Operator : Buffy:ek  
 Sample : L2051957-01,32,,AM,  
 Misc : WG1440617,WG1440317,ICAL17377  
 ALS Vial : 25 Sample Multiplier: 1

Quant Time: Dec 07 15:48:52 2020  
 Quant Method : i:\8270\BUFFY\201203\FS201120buffy.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Thu Dec 03 18:35:48 2020  
 Response via : Initial Calibration

CCAL FILE(s) : 1 - i:\8270\BUFFY\201203\ABN1203a.D  
 : 2 - i:\8270\BUFFY\201203\ADP1203.D  
 : 3 - i:\8270\BUFFY\201203\AP91203.D  
 Sub List : 8270TCL\_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
52) Acenaphthylene	6.416	152	41727	1.626	ug/ml#	80
53) 2,6-Dinitrotoluene	0.000		0	N.D.	d	
61) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
62) Biphenyl	6.052	154	132498	7.411	ug/ml	100
64) 3-Nitroaniline	0.000		0	N.D.	d	
65) Acenaphthene	6.569	154	440894M3	29.090	ug/ml	
66) 2,4-Dinitrophenol	0.000		0	N.D.		
67) Dibenzofuran	6.716	168	253082	11.405	ug/ml	92
68) 2,4-Dinitrotoluene	0.000		0	N.D.	d	
69) 4-Nitrophenol	0.000		0	N.D.	d	
72) Diethyl phthalate	0.000		0	N.D.	d	
73) Fluorene	7.010	166	508613M3	27.897	ug/ml	
74) 4-Chlorophenyl phenyl ...	0.000		0	N.D.		
75) 4-Nitroaniline	0.000		0	N.D.	d	
76) 4,6-Dinitro-o-cresol	0.000		0	N.D.		
77) NDPA/DPA	0.000		0	N.D.	d	
80) 4-Bromophenyl phenyl e...	0.000		0	N.D.		
81) Hexachlorobenzene	0.000		0	N.D.		
82) Pentachlorophenol	0.000		0	N.D.		
89) Phenanthrene	7.844	178	6298485	229.733	ug/ml	94
90) Anthracene	7.880	178	1705176	59.548	ug/ml	98
91) Carbazole	8.026	167	489168	18.539	ug/ml	98
92) Di-n-butylphthalate	0.000		0	N.D.	d	
93) Fluoranthene	8.867	202	4711125	142.258	ug/ml#	87
95) Pyrene	9.066	202	5824212	166.926	ug/ml#	92
97) Butyl benzyl phthalate	0.000		0	N.D.	d	
105) Benzo(a)anthracene	10.365	228	2203552	66.101	ug/ml#	96
106) 3,3'-Dichlorobenzidine	0.000		0	N.D.	d	
107) Chrysene	10.412	228	2026459M3	65.134	ug/ml	
108) Bis(2-ethylhexyl)phtha...	0.000		0	N.D.	d	
109) Di-n-octylphthalate	0.000		0	N.D.	d	
110) Benzo(b)fluoranthene	11.887	252	2184230	64.702	ug/ml	98
111) Benzo(k)fluoranthene	11.916	252	526909M3	16.647	ug/ml	
112) Benzo(a)pyrene	12.368	252	1870774	65.323	ug/ml#	91
114) Indeno(1,2,3-cd)pyrene	14.113	276	1077271	36.066	ug/mL#	90
115) Dibenzo(a,h)anthracene	14.160	278	235704	7.715	ug/ml#	91
116) Benzo(ghi)perylene	14.507	276	1224750	38.335	ug/ml#	75

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Buffy\201203\  
Data File : 51957-01.D  
Acq On : 3 Dec 2020 6:17 pm  
Operator : Buffy:ek  
Sample : L2051957-01,32,,AM,  
Misc : WG1440617,WG1440317,ICAL17377  
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Dec 07 15:48:52 2020  
Quant Method : i:\8270\BUFFY\201203\FS201120buffy.m  
Quant Title : Semivolatiles by GC/MS by modified 8270  
QLast Update : Thu Dec 03 18:35:48 2020  
Response via : Initial Calibration

CCAL FILE(s) : 1 - i:\8270\BUFFY\201203\ABN1203a.D  
              : 2 - i:\8270\BUFFY\201203\ADP1203.D  
              : 3 - i:\8270\BUFFY\201203\AP91203.D  
Sub List : 8270TCL\_REV2 - TCL/CT/MA

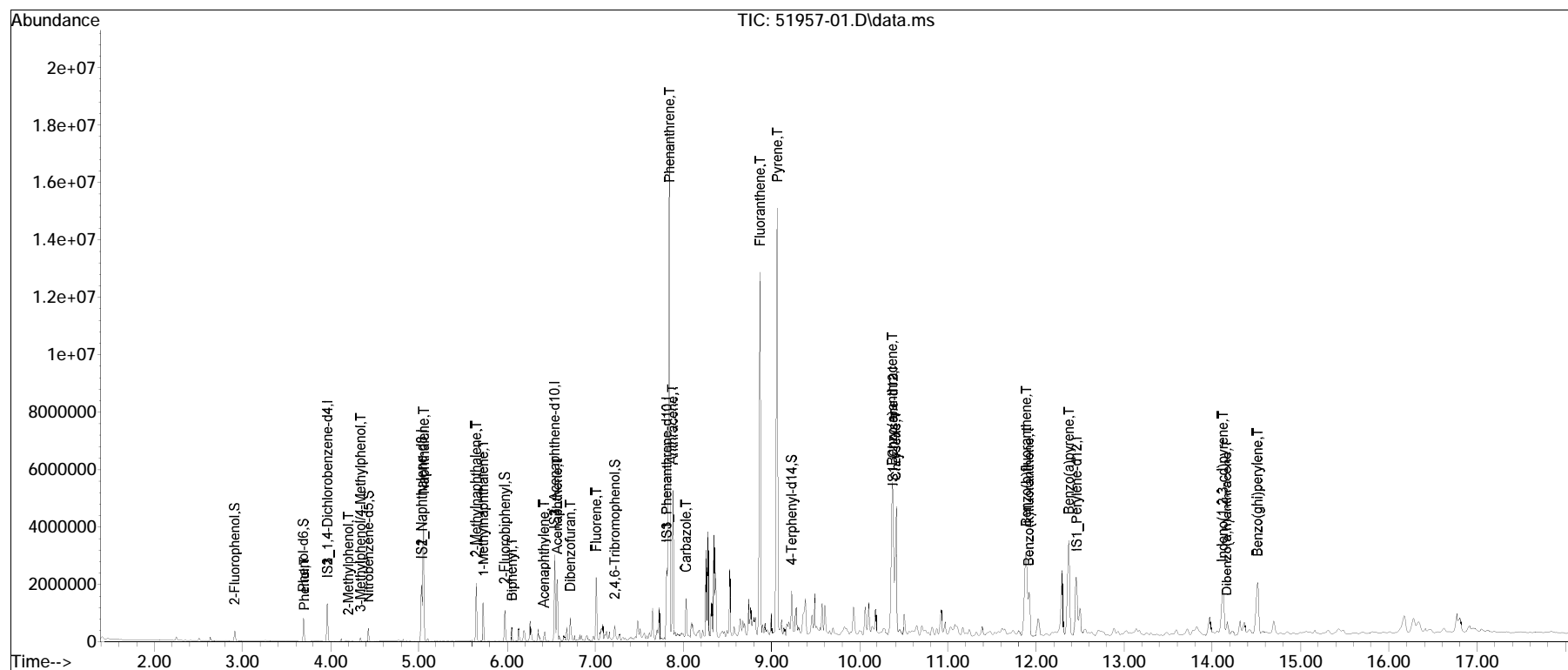
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----						
-----						
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

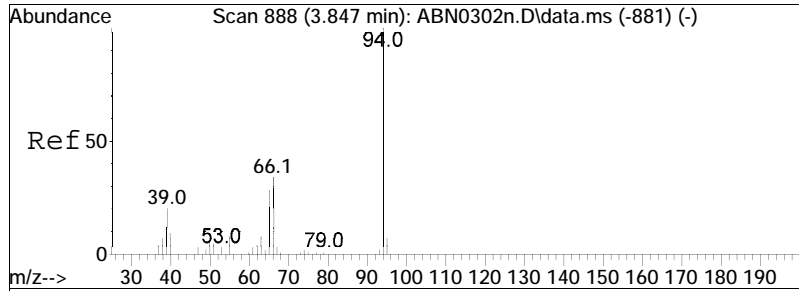
Quantitation Report (QT Reviewed)

Data Path : I:\8270\Buffy\201203\  
 Data File : 51957-01.D  
 Acq On : 3 Dec 2020 6:17 pm  
 Operator : Buffy:ek  
 Sample : L2051957-01,32,,AM,  
 Misc : WG1440617,WG1440317,ICAL17377  
 ALS Vial : 25 Sample Multiplier: 1

Quant Time: Dec 07 15:48:52 2020  
 Quant Method : i:\8270\BUFFY\201203\FS201120buffy.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Thu Dec 03 18:35:48 2020  
 Response via : Initial Calibration

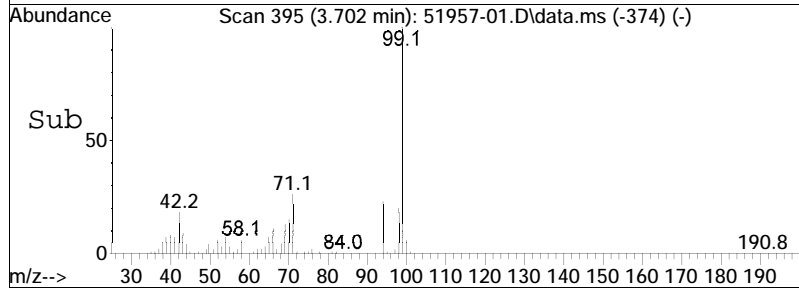
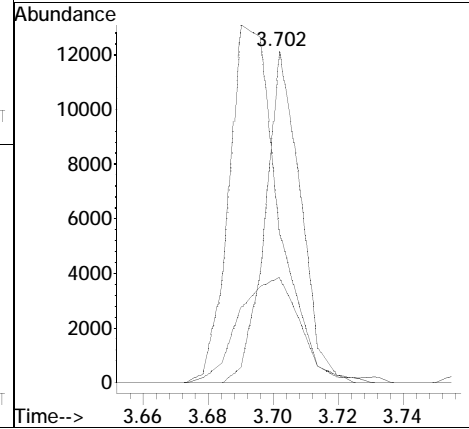
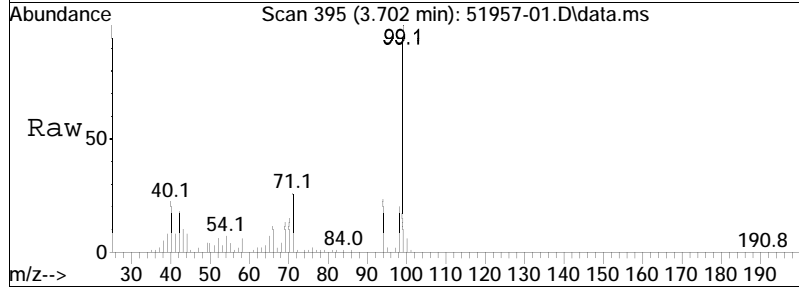
Sub List : 8270TCL\_REV2 - TCL/CT/MA\AP91203.D••

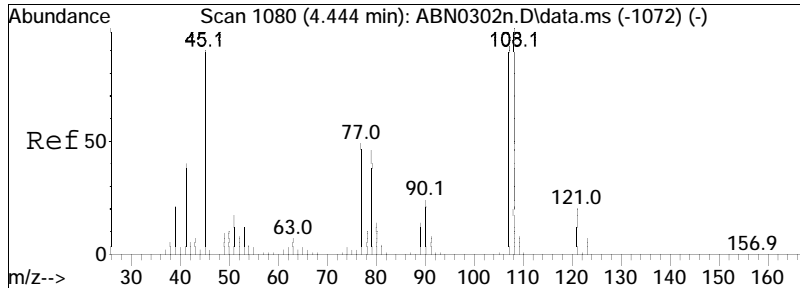




#8  
 Phenol  
 Concen: 1.12 ug/ml  
 RT: 3.702 min Scan# 395  
 Delta R.T. 0.000 min  
 Lab File: 51957-01.D  
 Acq: 3 Dec 2020 6:17 pm

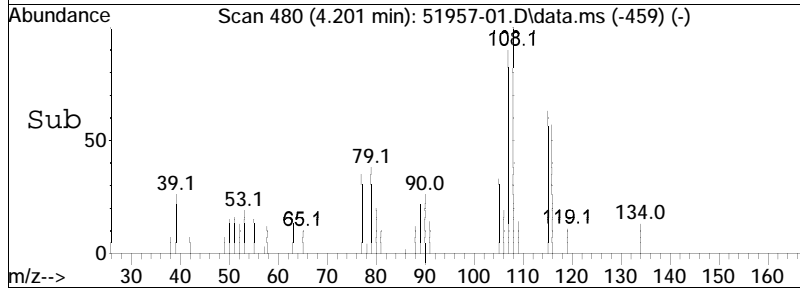
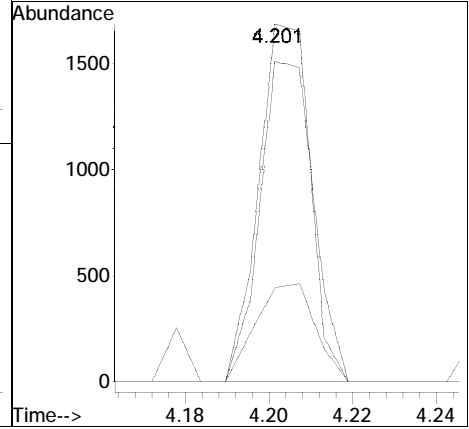
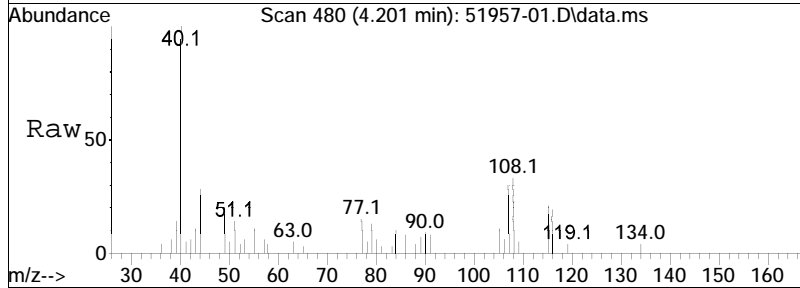
Tgt Ion	94	65	66	Resp	9107	Lower	Upper
Ion Ratio	100	56.7	150.7			34.2	51.4#
						54.4	81.6#

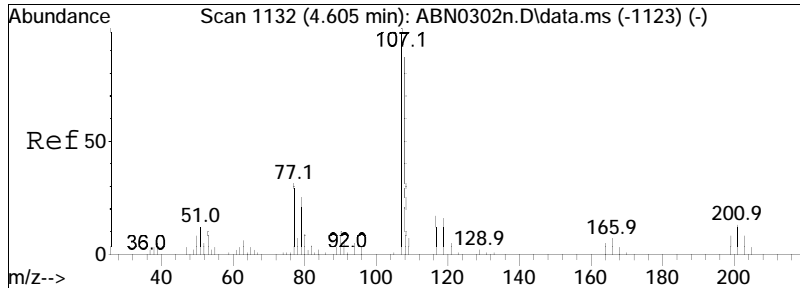




#15  
 2-Methylphenol  
 Concen: 0.24 ug/ml  
 RT: 4.201 min Scan# 480  
 Delta R.T. 0.000 min  
 Lab File: 51957-01.D  
 Acq: 3 Dec 2020 6:17 pm

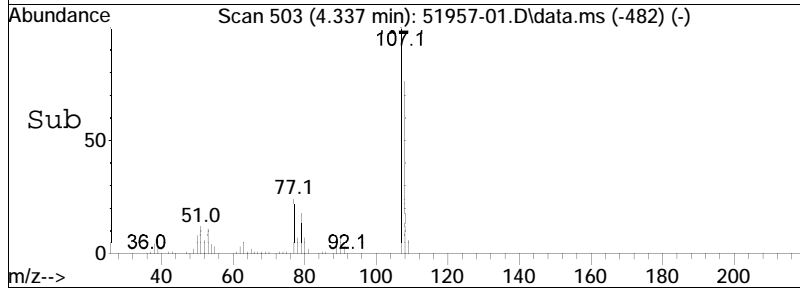
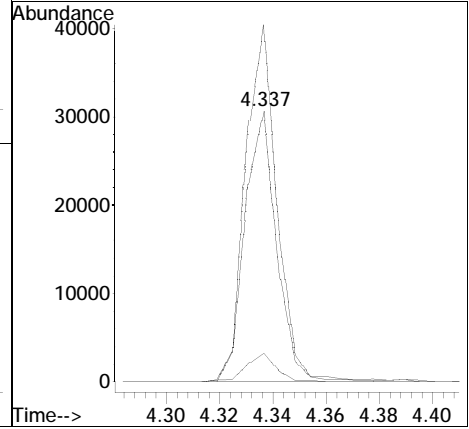
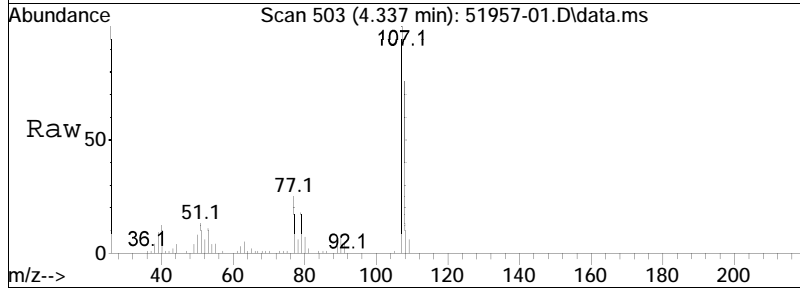
Tgt Ion	Ratio	Lower	Upper
108	100		
107	93.5	71.6	107.4
90	0.0	18.8	28.2#

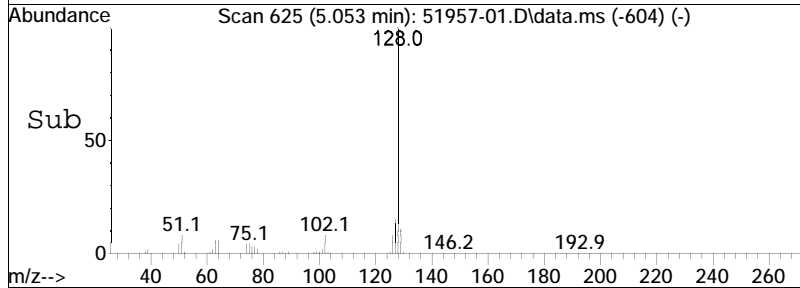
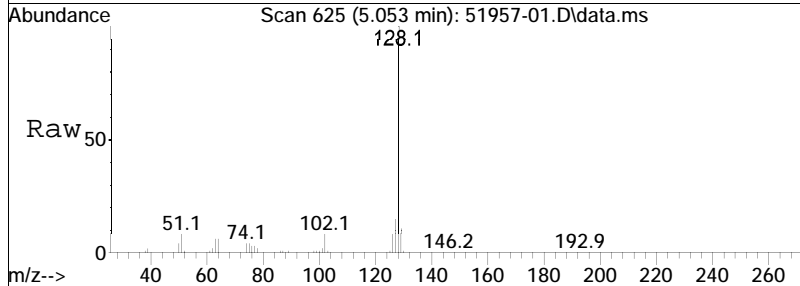
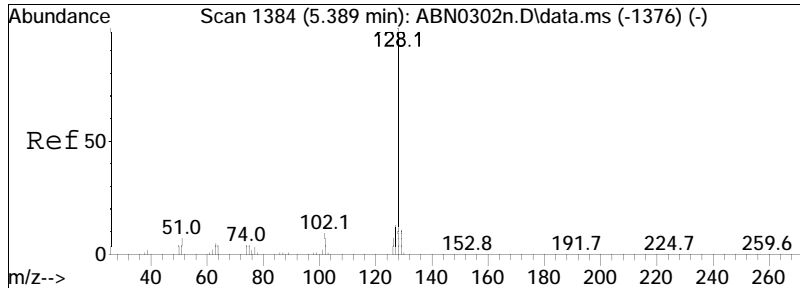




#18  
 3-Methylphenol/4-Methylphenol  
 Concen: 4.12 ug/ml  
 RT: 4.337 min Scan# 503  
 Delta R.T. 0.000 min  
 Lab File: 51957-01.D  
 Acq: 3 Dec 2020 6:17 pm

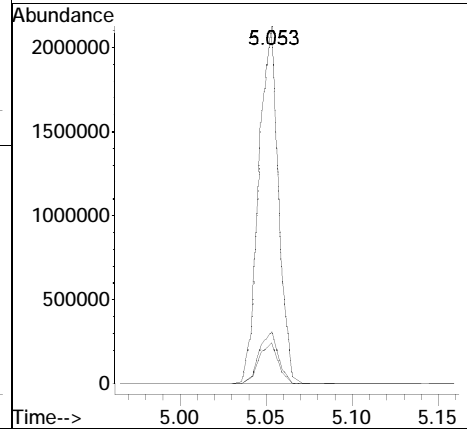
Tgt Ion	Ratio	Lower	Upper
108	100		
107	131.7	87.0	130.6#
90	10.3	8.4	12.6



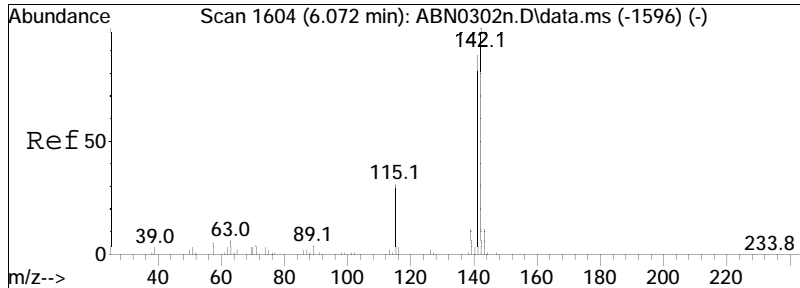


#36  
 Naphthalene  
 Concen: 75.56 ug/ml  
 RT: 5.053 min Scan# 625  
 Delta R.T. 0.000 min  
 Lab File: 51957-01.D  
 Acq: 3 Dec 2020 6:17 pm

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.5	9.0	13.6
127	14.5	11.3	16.9

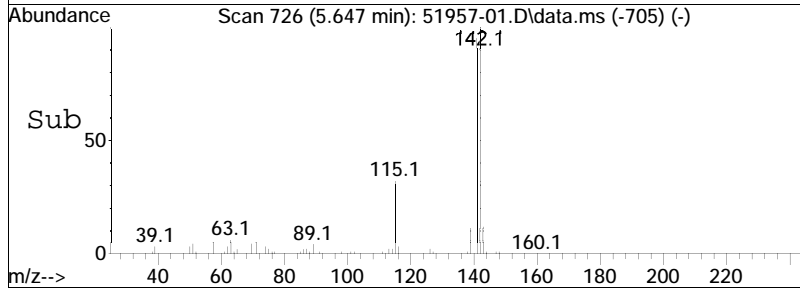
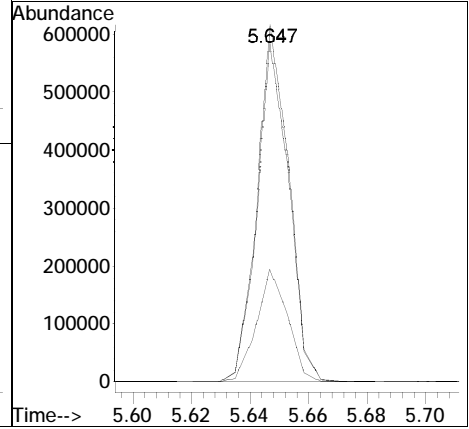
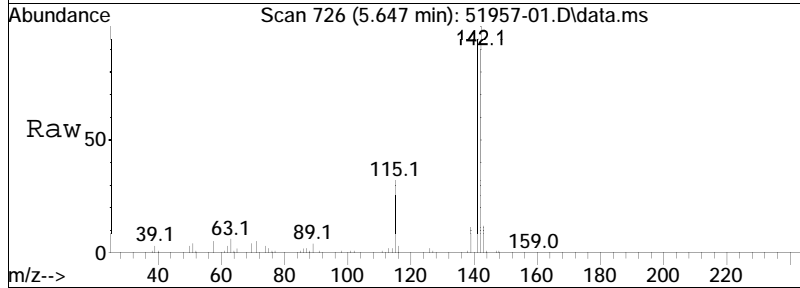


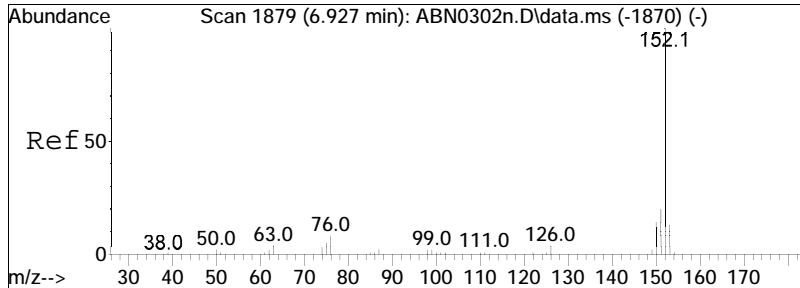




#41  
 2-Methylnaphthalene  
 Concen: 30.14 ug/ml  
 RT: 5.647 min Scan# 726  
 Delta R.T. 0.000 min  
 Lab File: 51957-01.D  
 Acq: 3 Dec 2020 6:17 pm

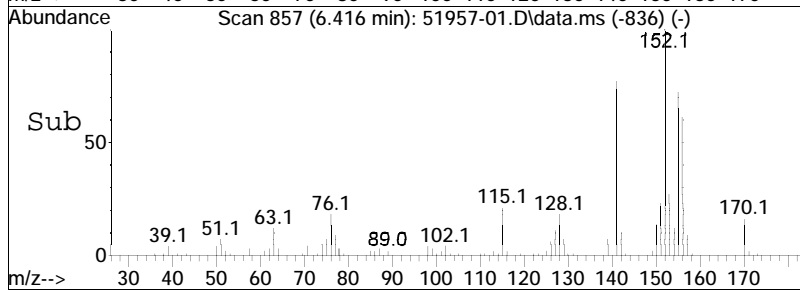
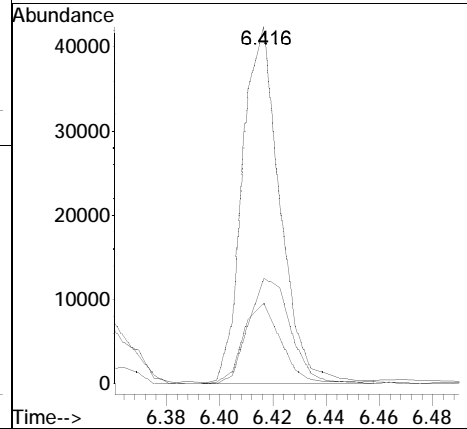
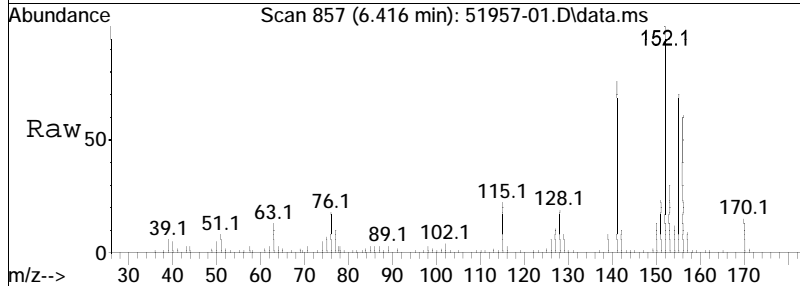
Tgt Ion	Ratio	Lower	Upper
142	100		
141	94.7	71.0	106.6
115	31.3	29.8	44.6

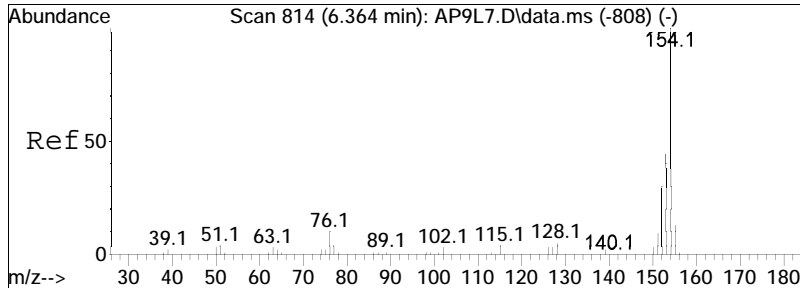




#52  
 Acenaphthylene  
 Concen: 1.63 ug/ml  
 RT: 6.416 min Scan# 857  
 Delta R.T. 0.000 min  
 Lab File: 51957-01.D  
 Acq: 3 Dec 2020 6:17 pm

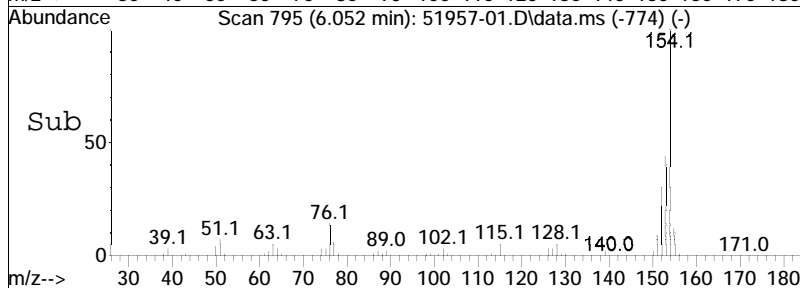
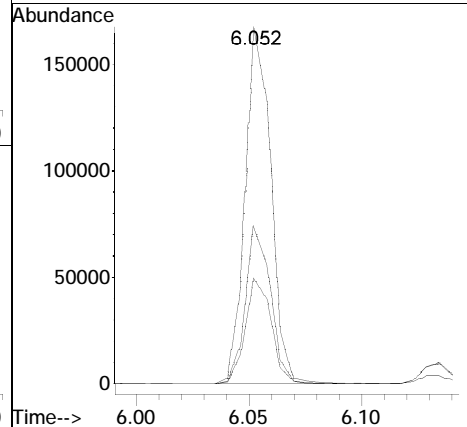
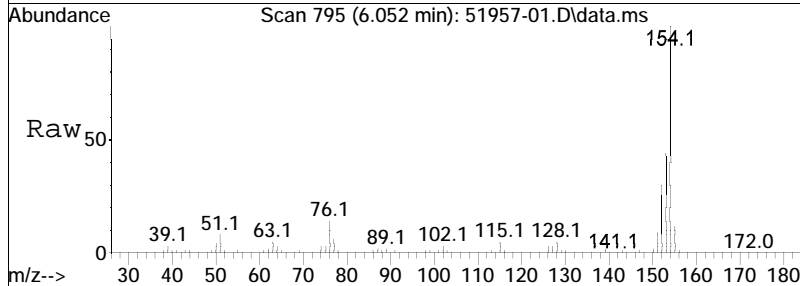
Tgt Ion	Resp	Lower	Upper
152	100		
151	23.5	17.7	26.5
153	33.0	10.6	15.8#

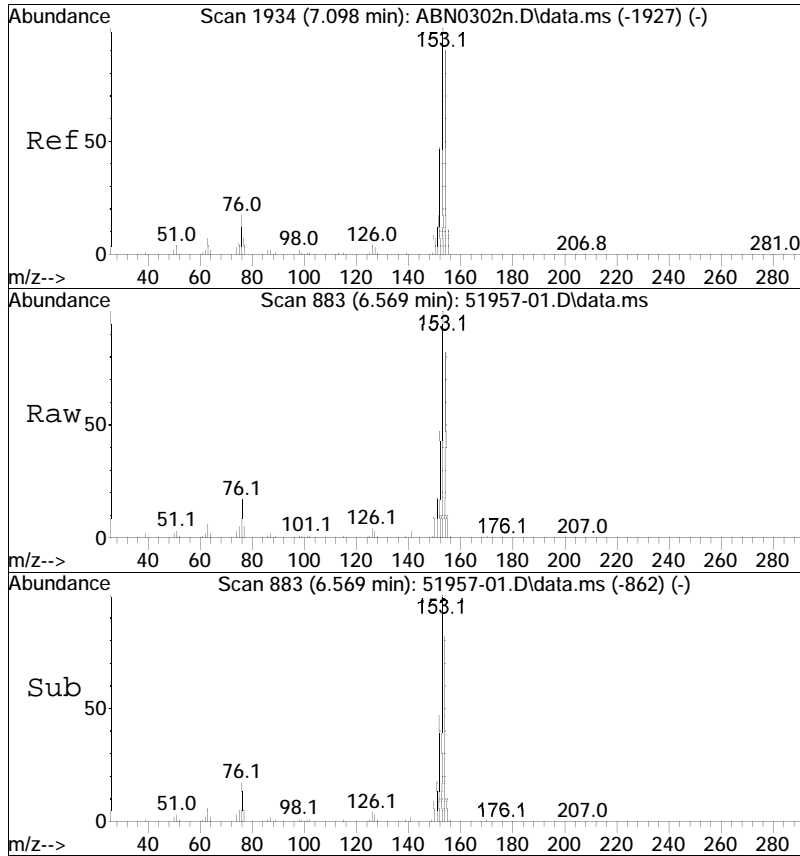




#62  
 Biphenyl  
 Concen: 7.41 ug/ml  
 RT: 6.052 min Scan# 795  
 Delta R.T. -0.000 min  
 Lab File: 51957-01.D  
 Acq: 3 Dec 2020 6:17 pm

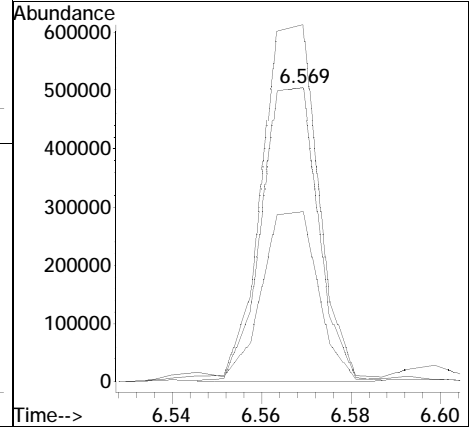
Tgt Ion	Resp	Lower	Upper
154	132498		
153	43.6	35.1	52.7
152	30.0	24.0	36.0

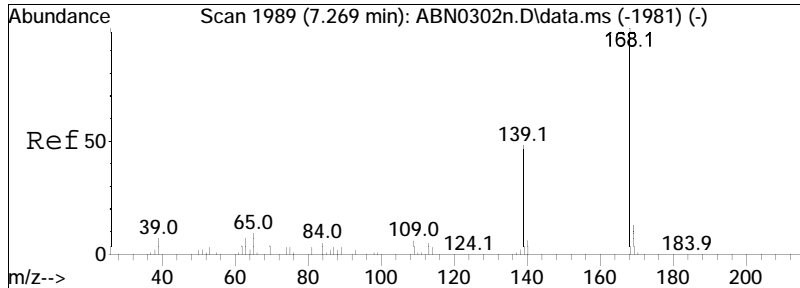




#65  
 Acenaphthene  
 Concen: 29.09 ug/ml M3  
 RT: 6.569 min Scan# 883  
 Delta R.T. 0.000 min  
 Lab File: 51957-01.D  
 Acq: 3 Dec 2020 6:17 pm

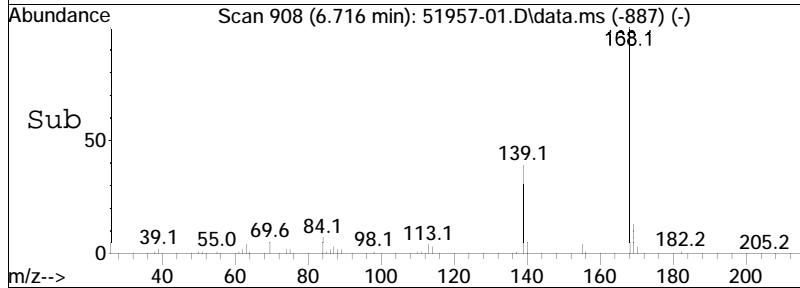
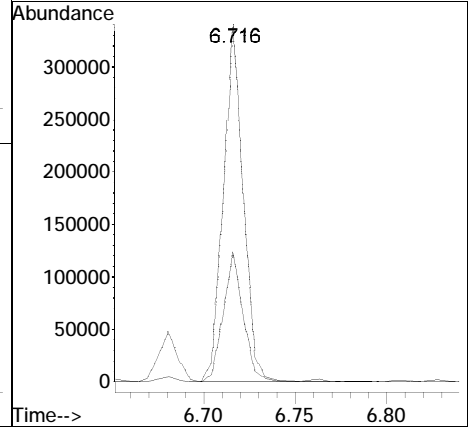
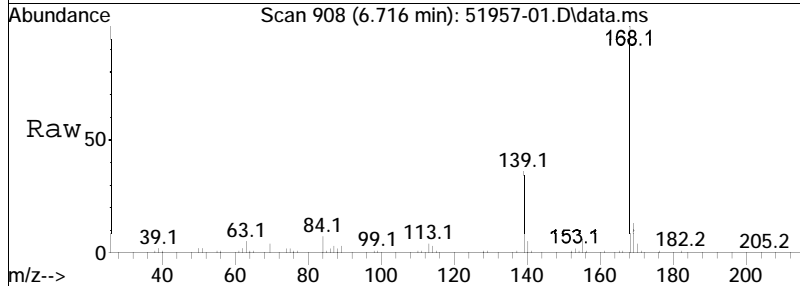
Tgt Ion	Ratio	Lower	Upper
154	100		
153	124.6	89.2	133.8
152	61.2	44.2	66.2

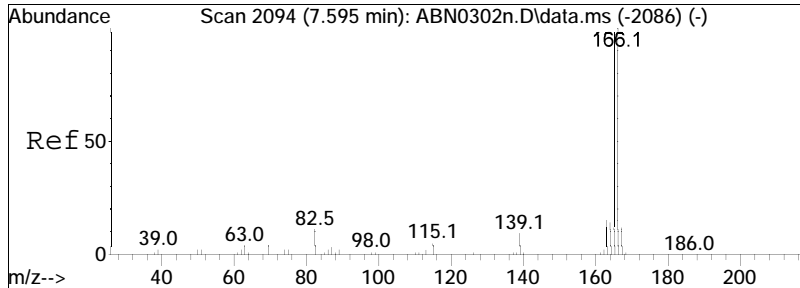




#67  
 Dibenzofuran  
 Concen: 11.40 ug/ml  
 RT: 6.716 min Scan# 908  
 Delta R.T. 0.000 min  
 Lab File: 51957-01.D  
 Acq: 3 Dec 2020 6:17 pm

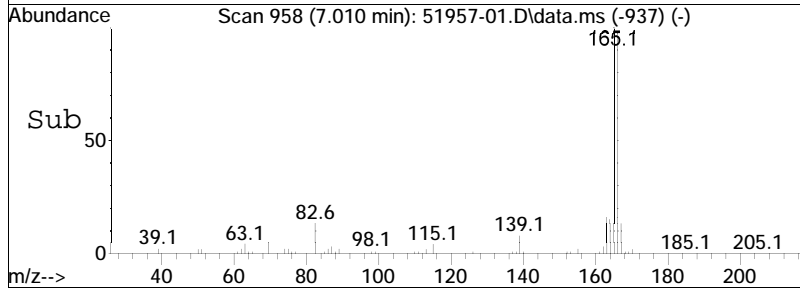
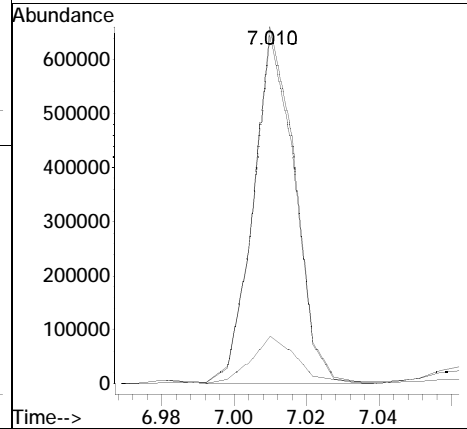
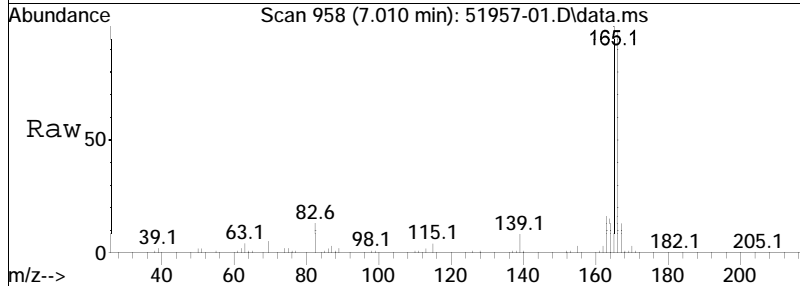
Tgt Ion	168	139	Resp	253082
Ion Ratio	100	36.6	Lower	Upper
			33.3	49.9

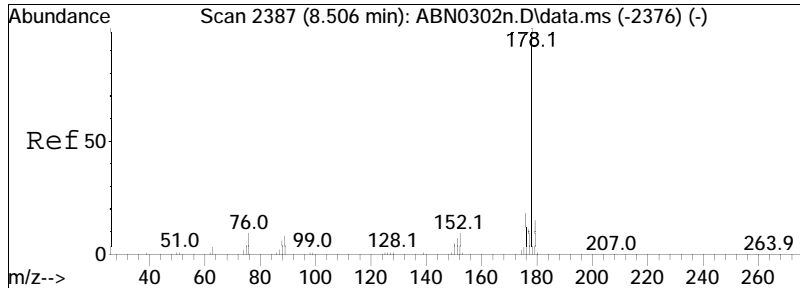




#73  
 Fluorene  
 Concen: 27.90 ug/ml M3  
 RT: 7.010 min Scan# 958  
 Delta R.T. 0.000 min  
 Lab File: 51957-01.D  
 Acq: 3 Dec 2020 6:17 pm

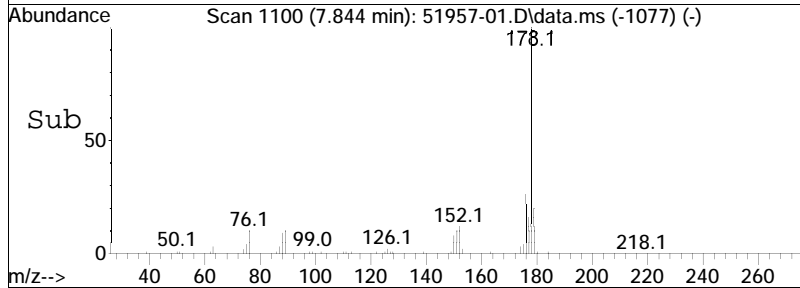
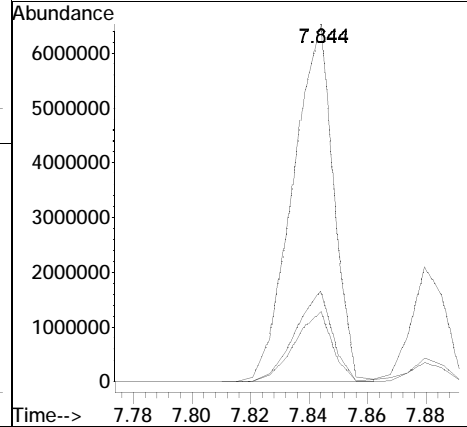
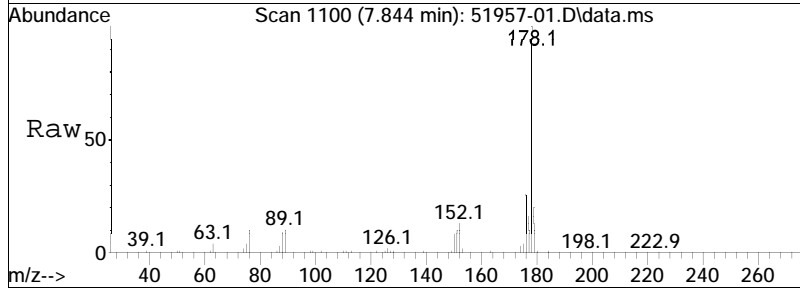
Tgt Ion	Ratio	Lower	Upper
166	100		
165	105.6	76.7	115.1
167	14.7	11.0	16.4

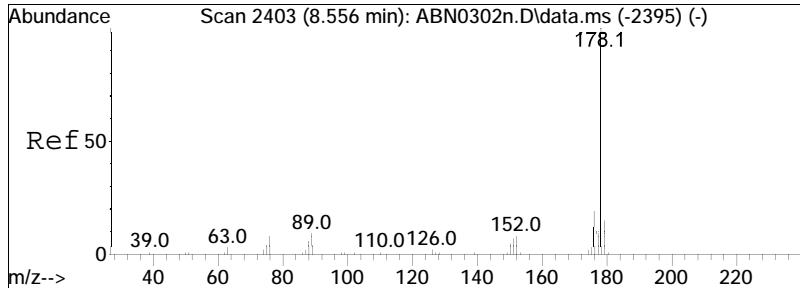




#89  
 Phenanthrene  
 Concen: 229.73 ug/ml  
 RT: 7.844 min Scan# 1100  
 Delta R.T. 0.012 min  
 Lab File: 51957-01.D  
 Acq: 3 Dec 2020 6:17 pm

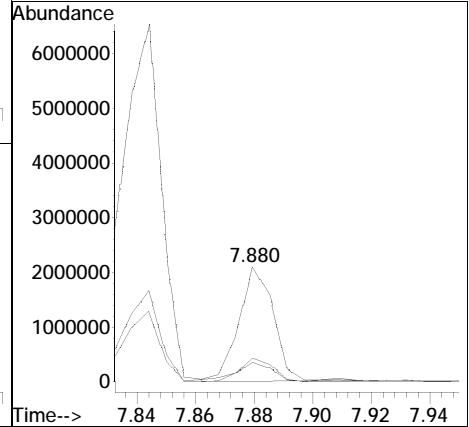
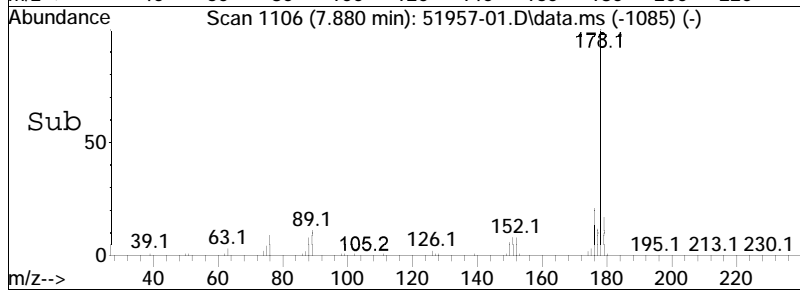
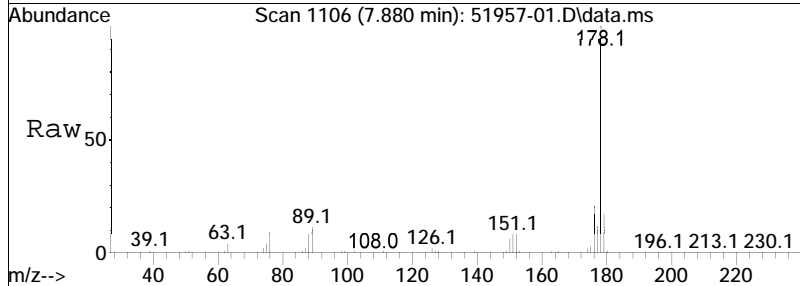
Tgt Ion	Ratio	Lower	Upper
178	100		
179	18.6	12.9	19.3
176	23.4	16.7	25.1



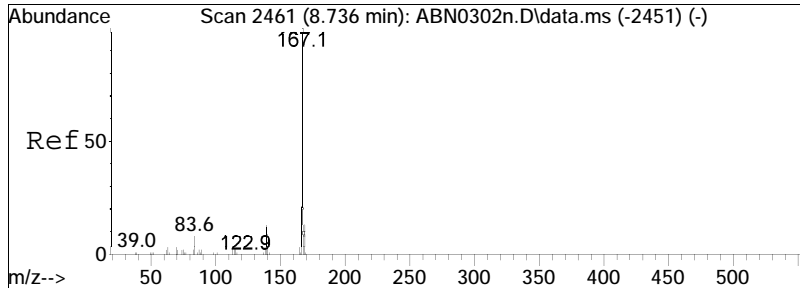


#90  
 Anthracene  
 Concen: 59.55 ug/ml  
 RT: 7.880 min Scan# 1106  
 Delta R.T. 0.000 min  
 Lab File: 51957-01.D  
 Acq: 3 Dec 2020 6:17 pm

Tgt Ion	Resp	Lower	Upper
178	100		
179	17.7	12.7	19.1
176	20.2	16.6	24.8

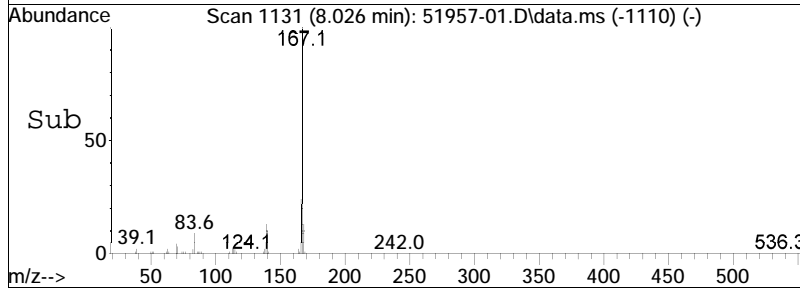
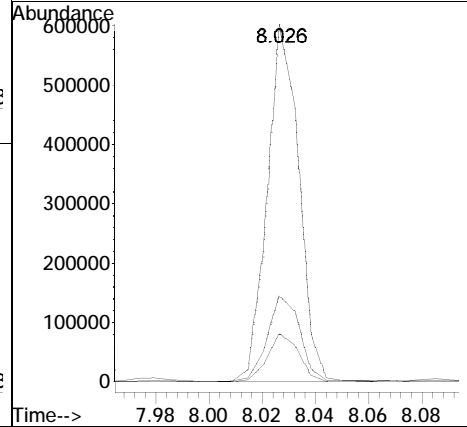
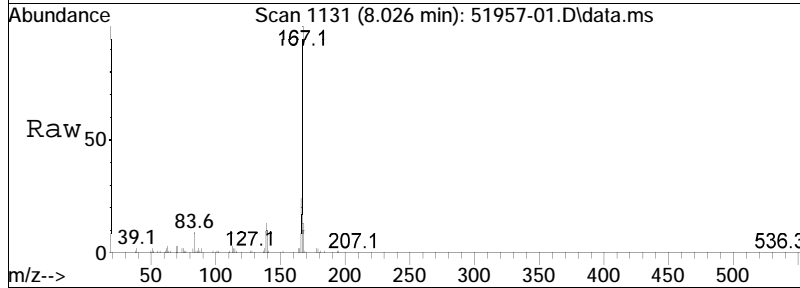


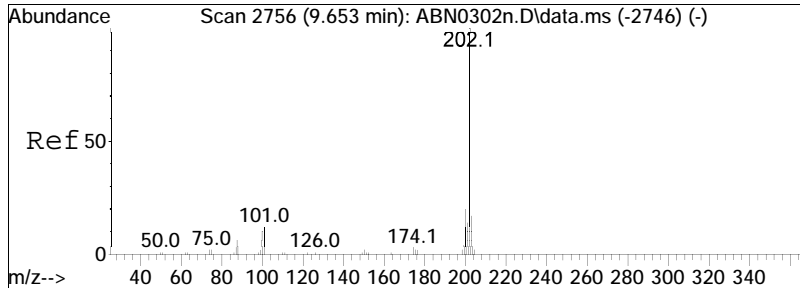




#91  
 Carbazole  
 Concen: 18.54 ug/ml  
 RT: 8.026 min Scan# 1131  
 Delta R.T. 0.000 min  
 Lab File: 51957-01.D  
 Acq: 3 Dec 2020 6:17 pm

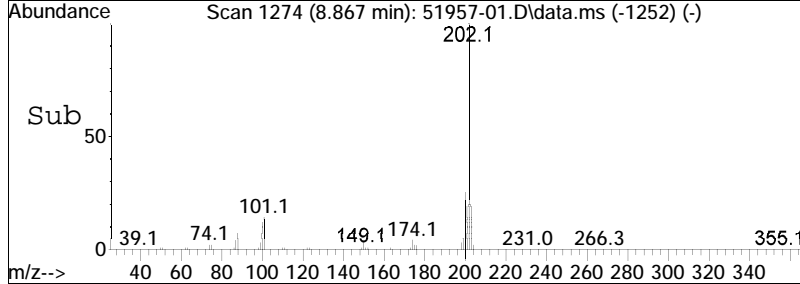
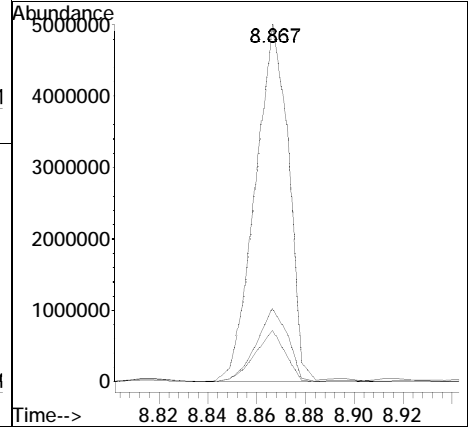
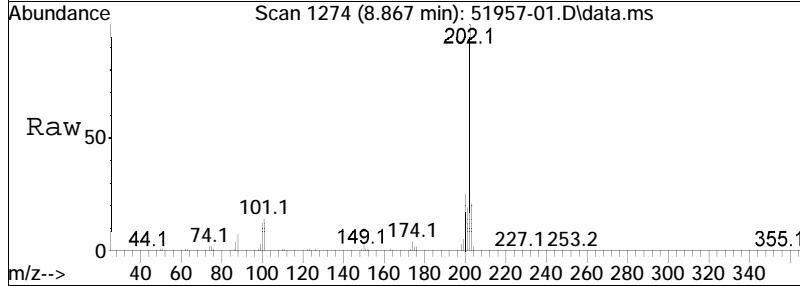
Tgt Ion	Resp	Lower	Upper
167	100		
168	13.6	11.3	16.9
166	25.0	18.9	28.3

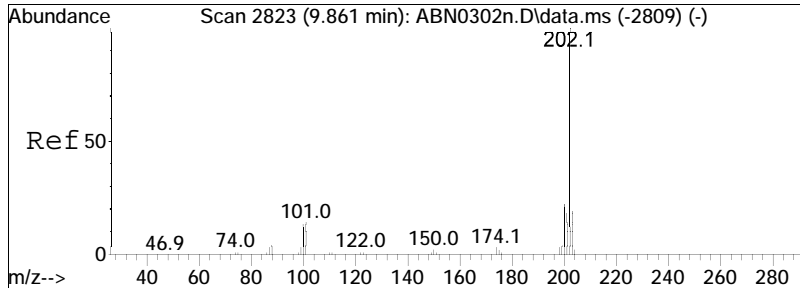




#93  
 Fluoranthene  
 Concen: 142.26 ug/ml  
 RT: 8.867 min Scan# 1274  
 Delta R.T. 0.006 min  
 Lab File: 51957-01.D  
 Acq: 3 Dec 2020 6:17 pm

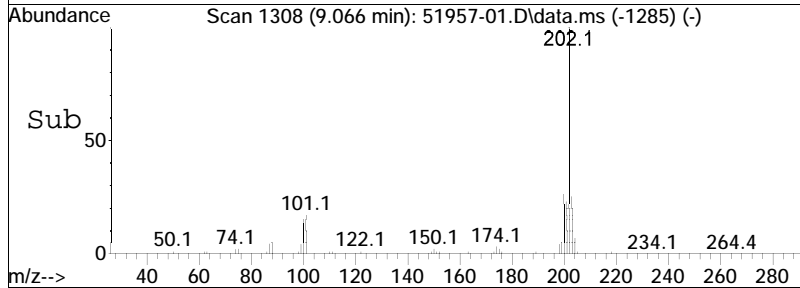
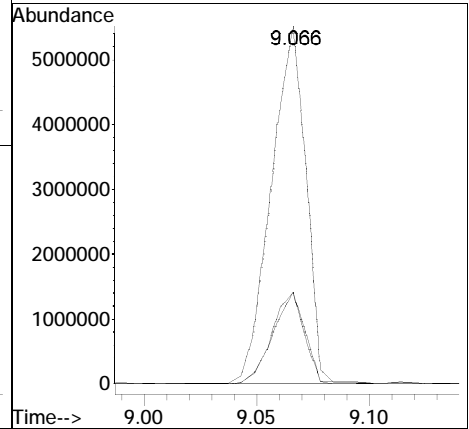
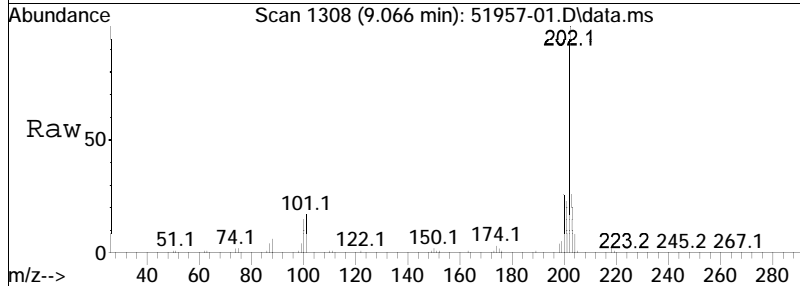
Tgt Ion	Resp	Lower	Upper
202	4711125		
101	13.3	18.6	28.0#
203	19.5	14.2	21.2

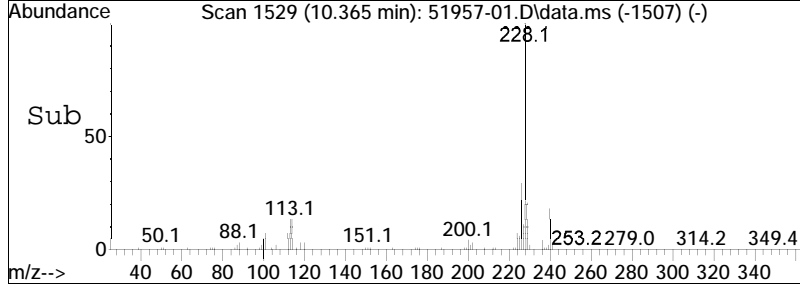
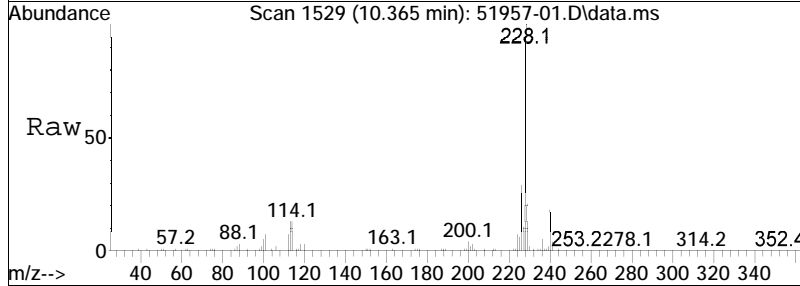
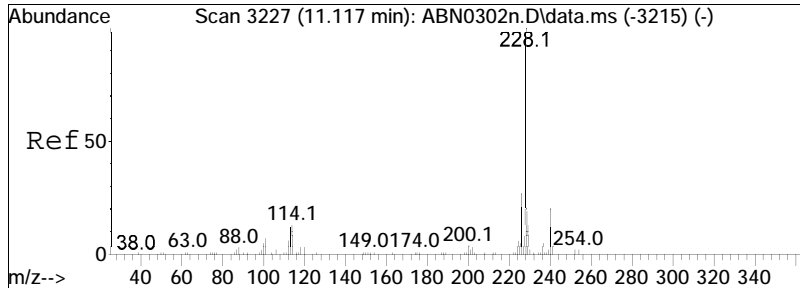




#95  
 Pyrene  
 Concen: 166.93 ug/ml  
 RT: 9.066 min Scan# 1308  
 Delta R.T. 0.012 min  
 Lab File: 51957-01.D  
 Acq: 3 Dec 2020 6:17 pm

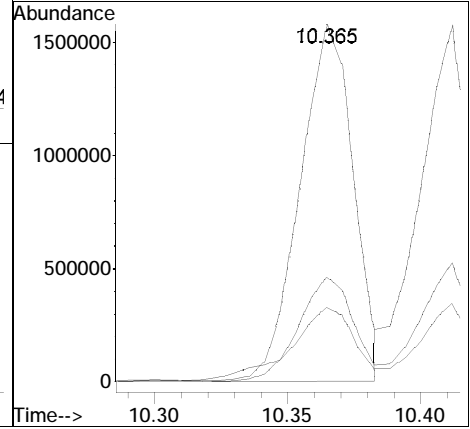
Tgt Ion	Ratio	Lower	Upper
202	100		
200	24.1	17.8	26.8
203	24.7	14.7	22.1#

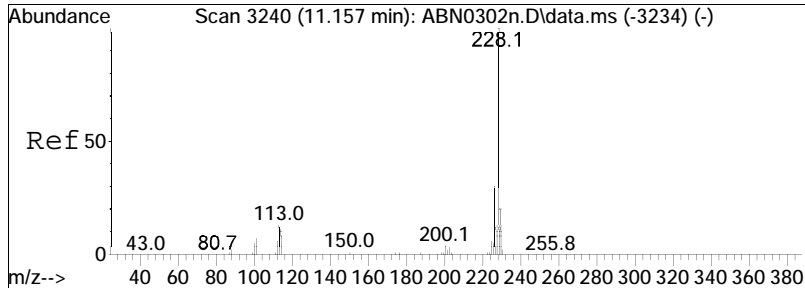




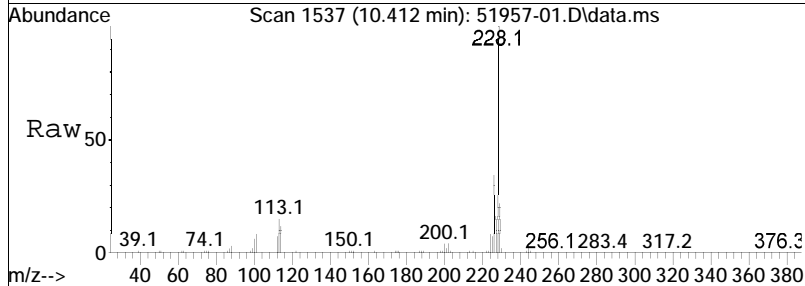
#105  
 Benzo(a)anthracene  
 Concen: 66.10 ug/ml  
 RT: 10.365 min Scan# 1529  
 Delta R.T. 0.006 min  
 Lab File: 51957-01.D  
 Acq: 3 Dec 2020 6:17 pm

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.7	23.7	35.5
229	25.0	16.2	24.4#

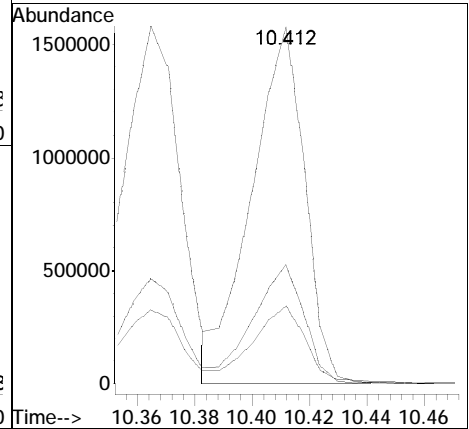
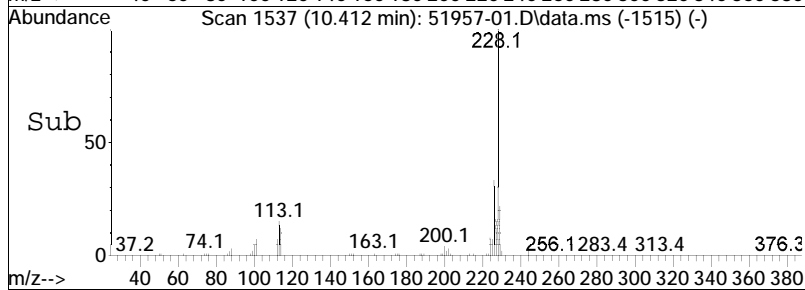


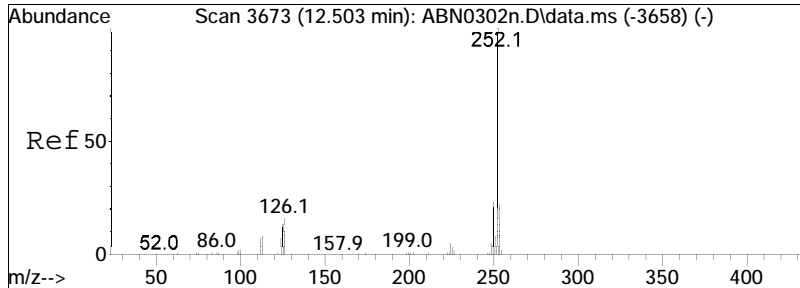


#107  
 Chrysene  
 Concen: 65.13 ug/ml M3  
 RT: 10.412 min Scan# 1537  
 Delta R.T. 0.006 min  
 Lab File: 51957-01.D  
 Acq: 3 Dec 2020 6:17 pm

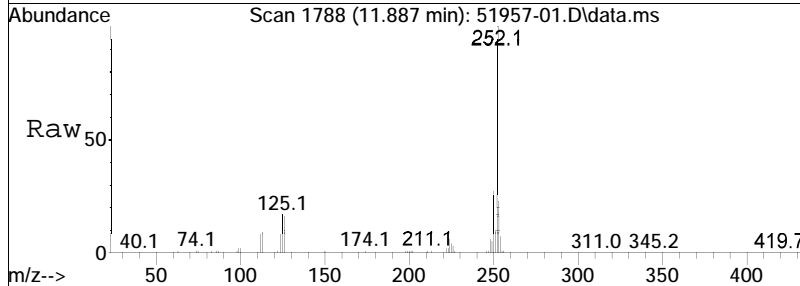


Tgt Ion	Resp	Lower	Upper
228	100		
226	32.0	25.9	38.9
229	20.8	16.2	24.4

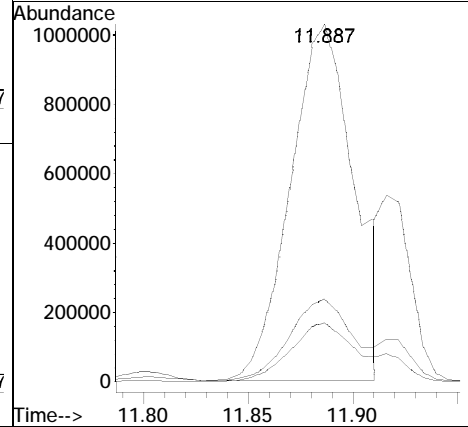
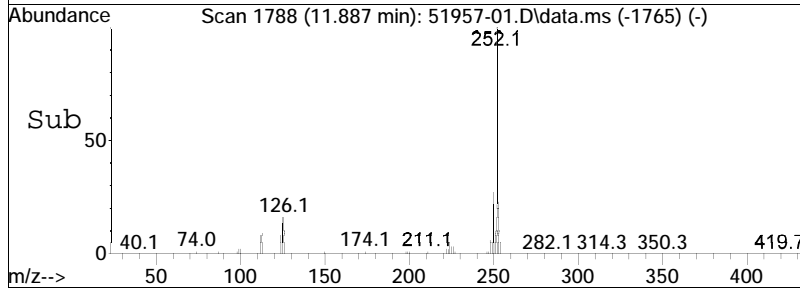


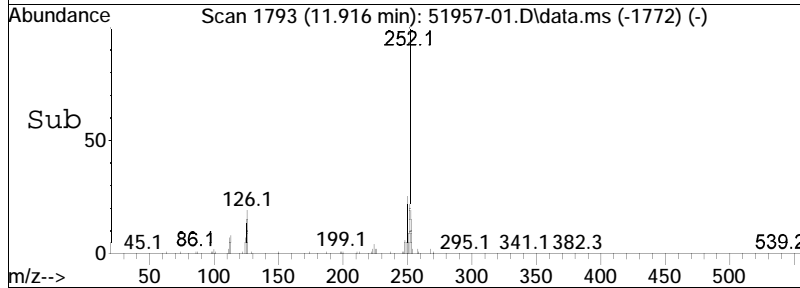
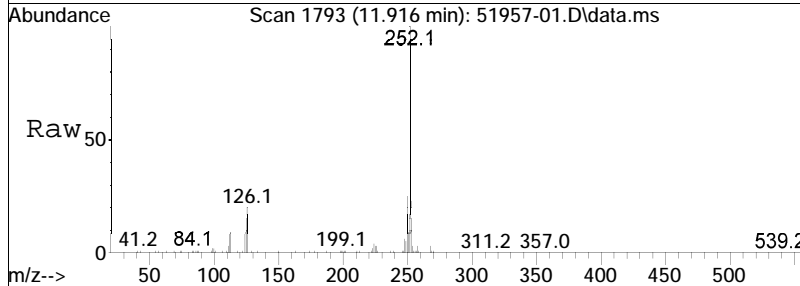
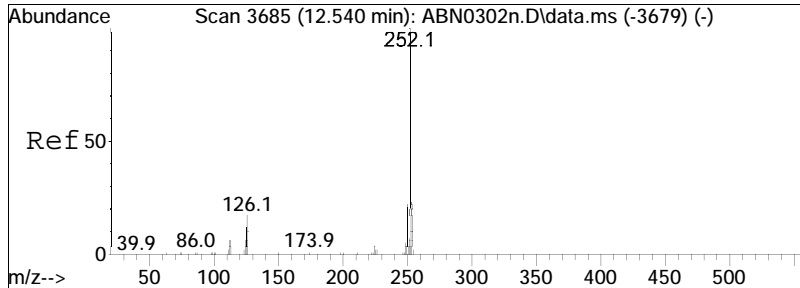


#110  
 Benzo(b)fluoranthene  
 Concen: 64.70 ug/ml  
 RT: 11.887 min Scan# 1788  
 Delta R.T. 0.012 min  
 Lab File: 51957-01.D  
 Acq: 3 Dec 2020 6:17 pm



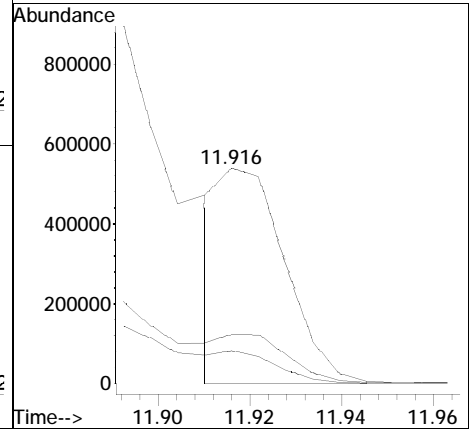
Tgt Ion	Resp	Lower	Upper
252	100		
125	19.7	16.9	25.3
253	22.8	17.7	26.5

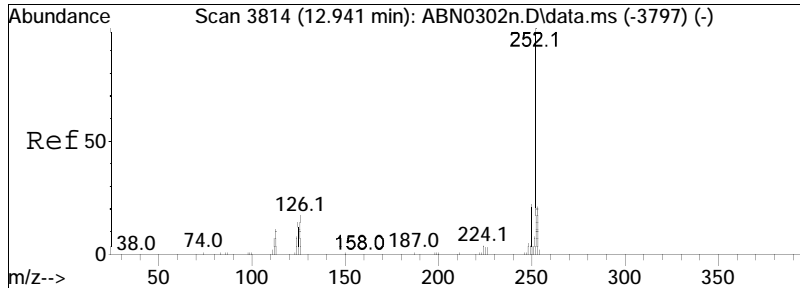




#111  
 Benzo(k)fluoranthene  
 Concen: 16.65 ug/ml M3  
 RT: 11.916 min Scan# 1793  
 Delta R.T. 0.000 min  
 Lab File: 51957-01.D  
 Acq: 3 Dec 2020 6:17 pm

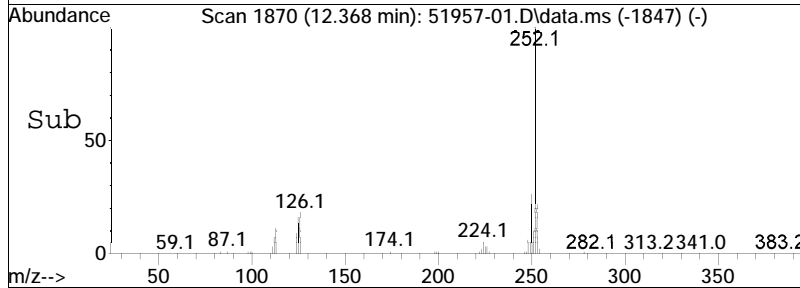
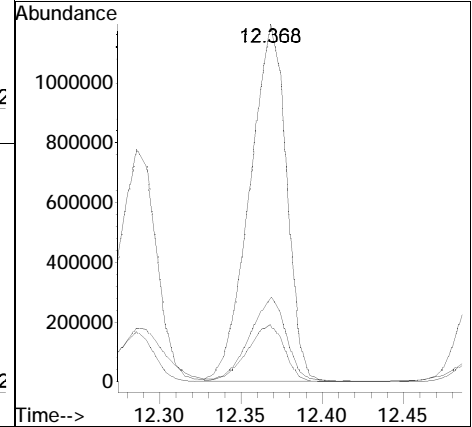
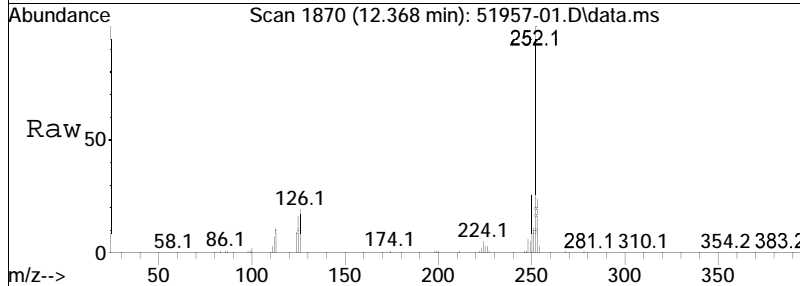
Tgt Ion	Resp	Lower	Upper
252	100		
125	81.6	16.6	25.0#
253	94.7	17.7	26.5#



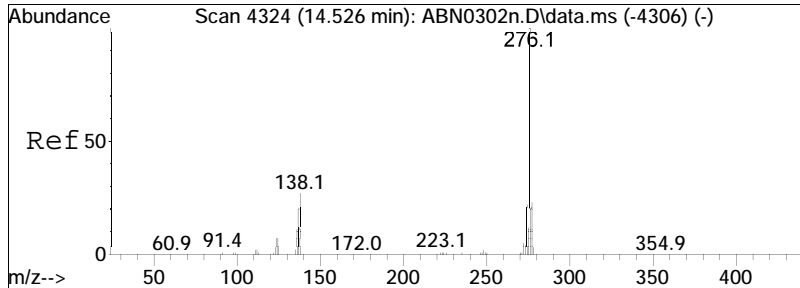


#112  
 Benzo(a)pyrene  
 Concen: 65.32 ug/ml  
 RT: 12.368 min Scan# 1870  
 Delta R.T. 0.012 min  
 Lab File: 51957-01.D  
 Acq: 3 Dec 2020 6:17 pm

Tgt Ion	Resp	Lower	Upper
252	100		
125	16.0	18.3	27.5#
253	23.6	17.6	26.4

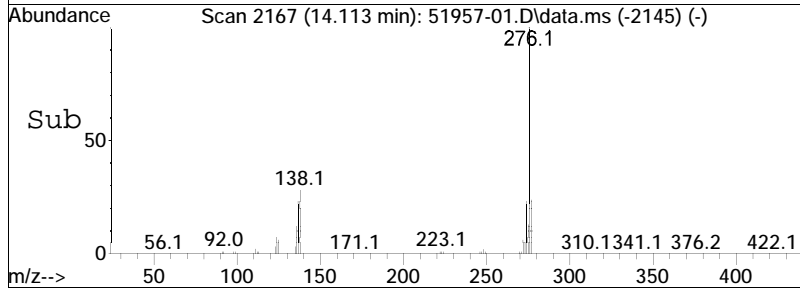
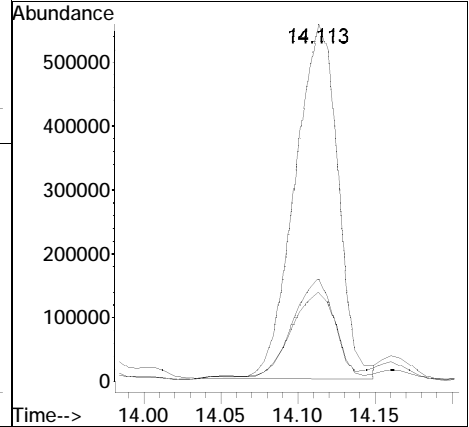
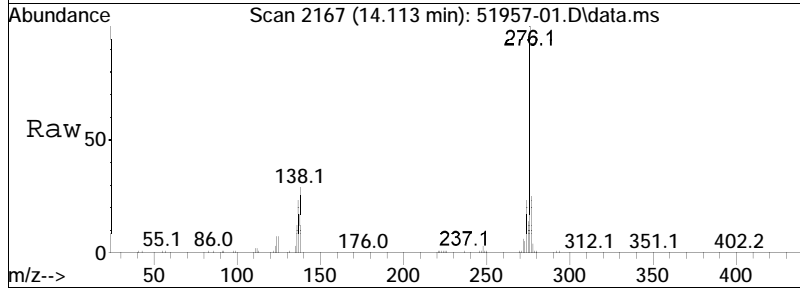


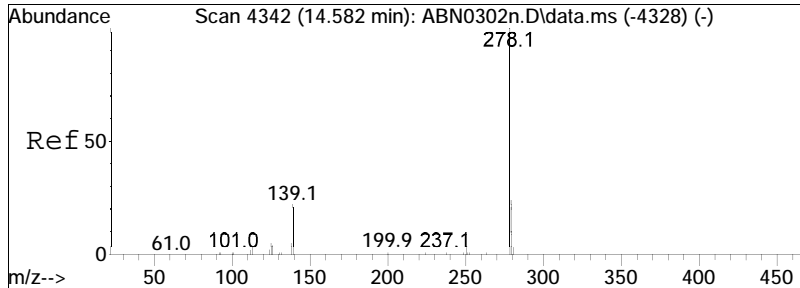




#114  
 Indeno(1,2,3-cd)pyrene  
 Concen: 36.07 ug/mL  
 RT: 14.113 min Scan# 2167  
 Delta R.T. 0.006 min  
 Lab File: 51957-01.D  
 Acq: 3 Dec 2020 6:17 pm

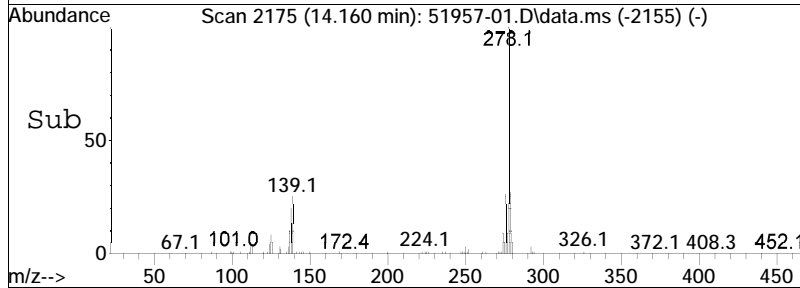
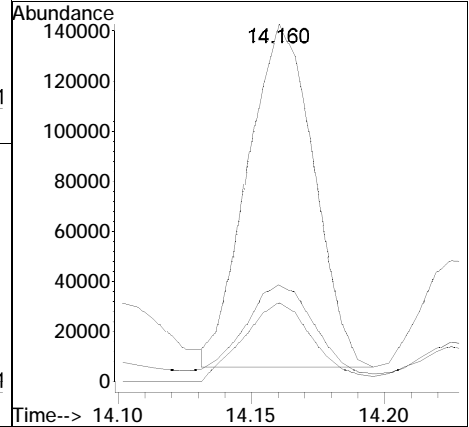
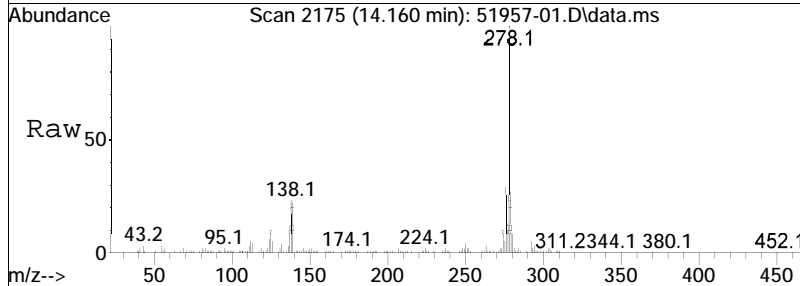
Tgt Ion	Resp	Lower	Upper
276	100		
138	29.0	29.6	44.4#
277	25.8	19.1	28.7

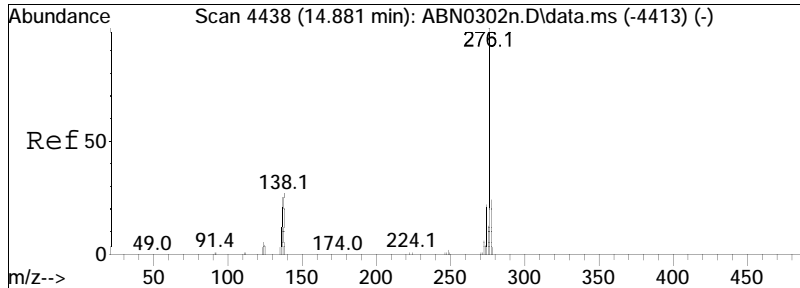




#115  
 Dibenzo(a,h)anthracene  
 Concen: 7.72 ug/ml  
 RT: 14.160 min Scan# 2175  
 Delta R.T. -0.006 min  
 Lab File: 51957-01.D  
 Acq: 3 Dec 2020 6:17 pm

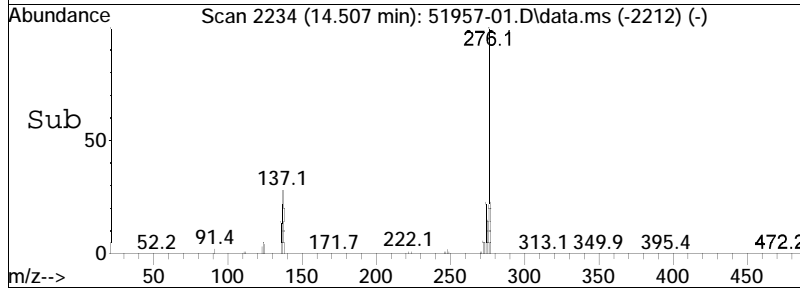
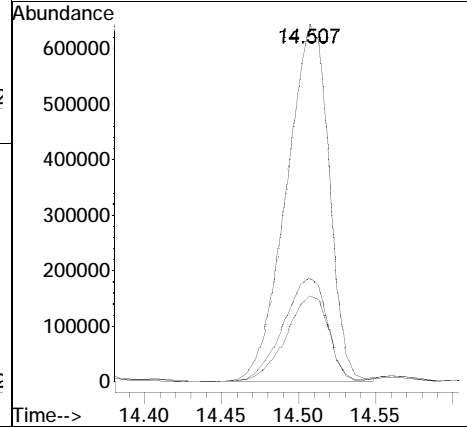
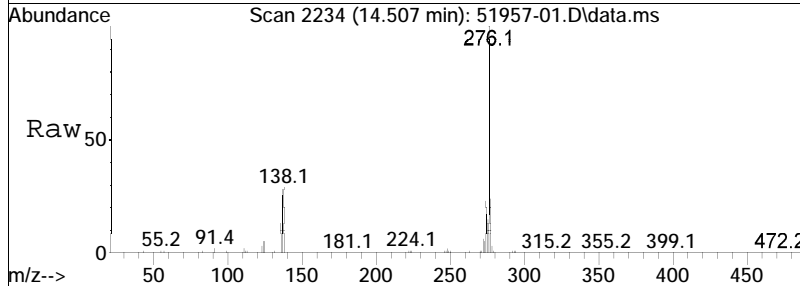
Tgt Ion	Ratio	Lower	Upper
278	100		
139	24.5	24.7	37.1#
279	27.3	19.6	29.4





#116  
 Benzo(ghi)perylene  
 Concen: 38.34 ug/ml  
 RT: 14.507 min Scan# 2234  
 Delta R.T. 0.006 min  
 Lab File: 51957-01.D  
 Acq: 3 Dec 2020 6:17 pm

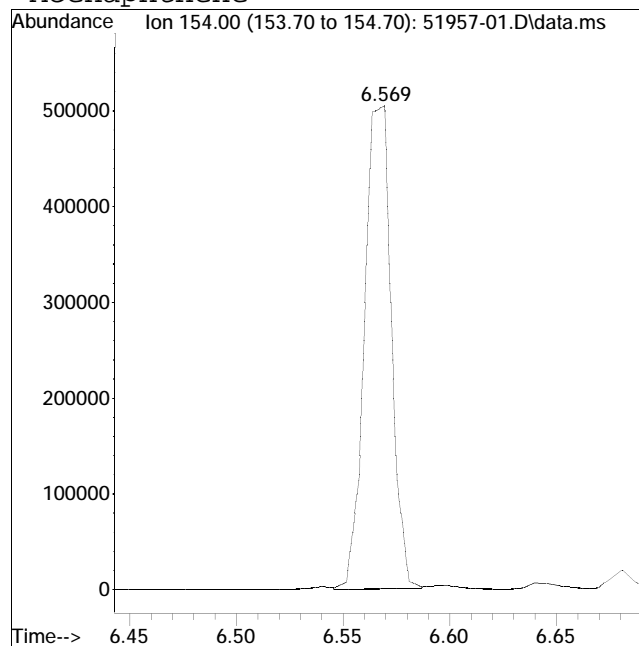
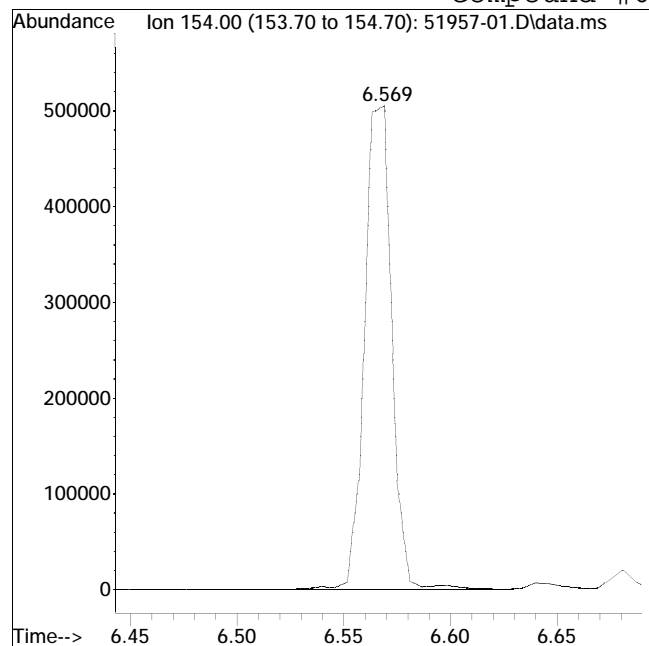
Tgt Ion	Resp	Lower	Upper
276	100		
138	29.6	43.5	65.3#
277	24.1	22.6	33.8



# Manual Integration Report

Data Path : I:\8270\Buffy\201203\  
Data File : 51957-01.D  
Date Inj'd : 12/3/2020 6:17 pm  
Sample : L2051957-01,32,,AM,  
QMethod : FS201120buffy.m  
Operator : Buffy:ek  
Instrument : Buffy  
Quant Date : 12/3/2020 6:35 pm

## Compound #65: Acenaphthene



Original Peak Response = 451379

Manual Peak Response = 440894 M3

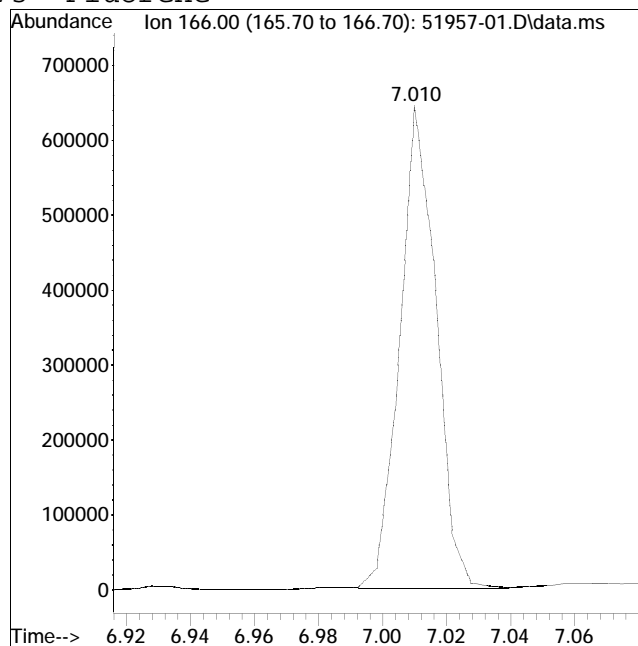
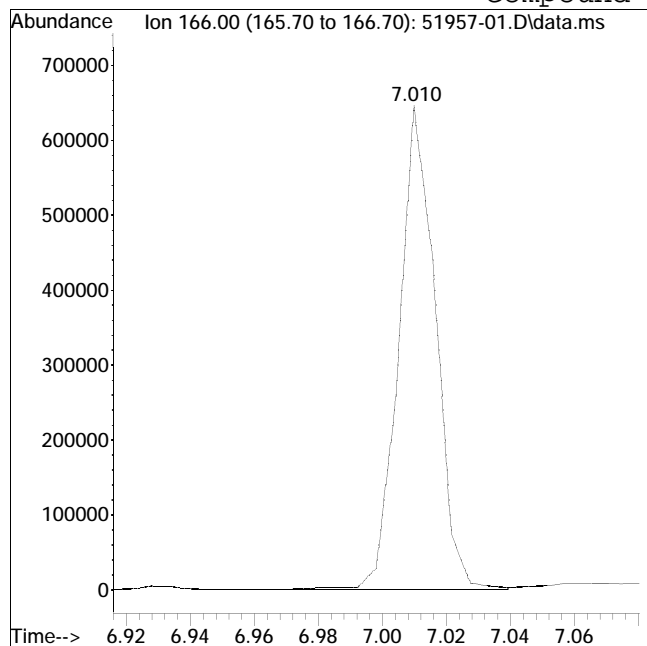
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

# Manual Integration Report

Data Path : I:\8270\Buffy\201203\  
Data File : 51957-01.D  
Date Inj'd : 12/3/2020 6:17 pm  
Sample : L2051957-01,32,,AM,

QMethod : FS201120buffy.m  
Operator : Buffy:ek  
Instrument : Buffy  
Quant Date : 12/3/2020 6:35 pm

## Compound #73: Fluorene



Original Peak Response = 516244

Manual Peak Response = 508613 M3

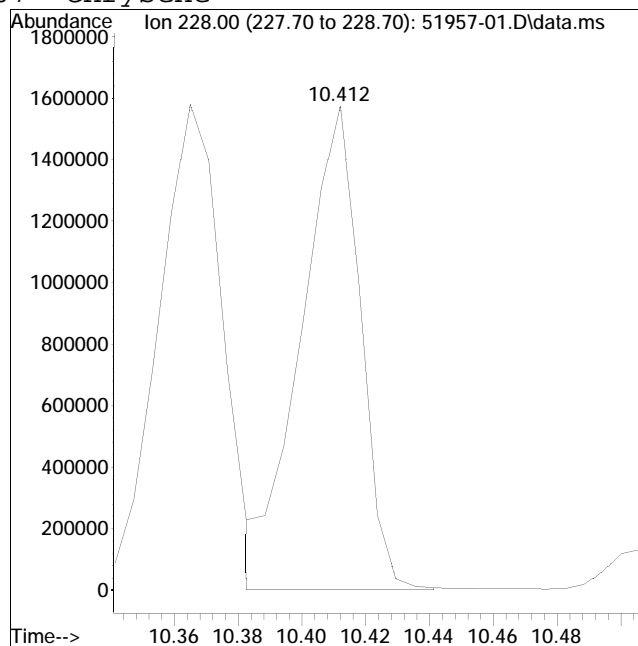
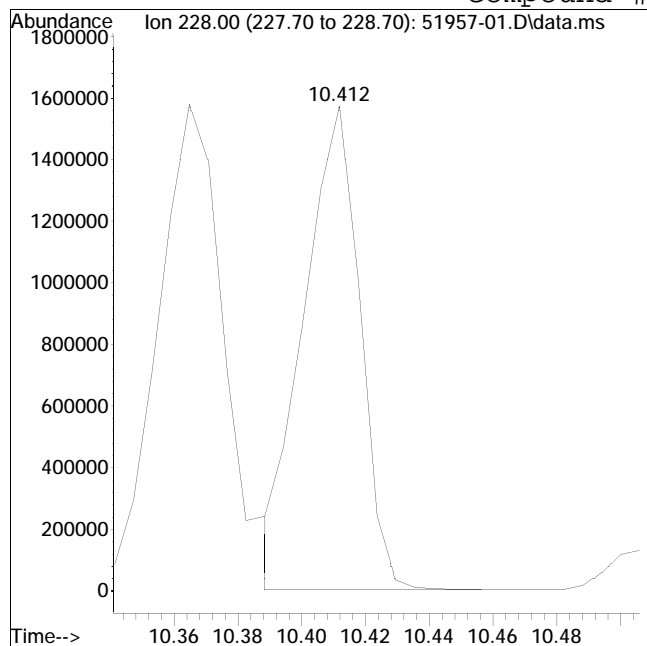
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

# Manual Integration Report

Data Path : I:\8270\Buffy\201203\  
Data File : 51957-01.D  
Date Inj'd : 12/3/2020 6:17 pm  
Sample : L2051957-01,32,,AM,

QMethod : FS201120buffy.m  
Operator : Buffy:ek  
Instrument : Buffy  
Quant Date : 12/3/2020 6:35 pm

## Compound #107: Chrysene



Original Peak Response = 1931530

Manual Peak Response = 2026459 M3

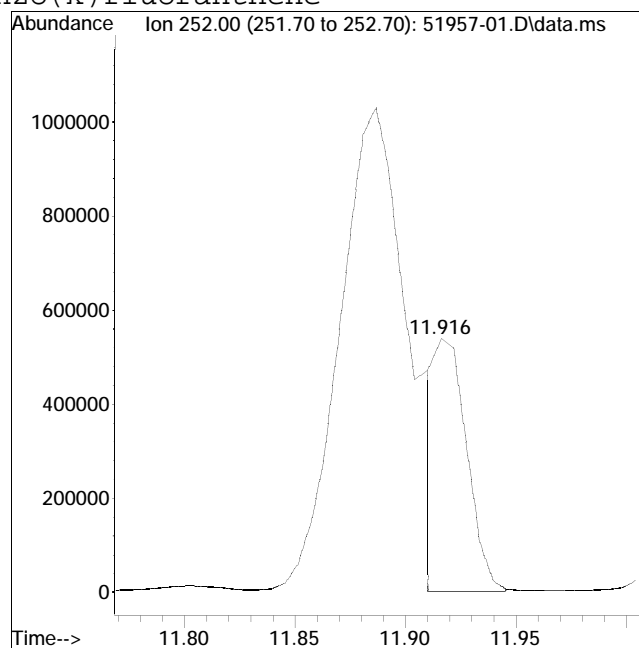
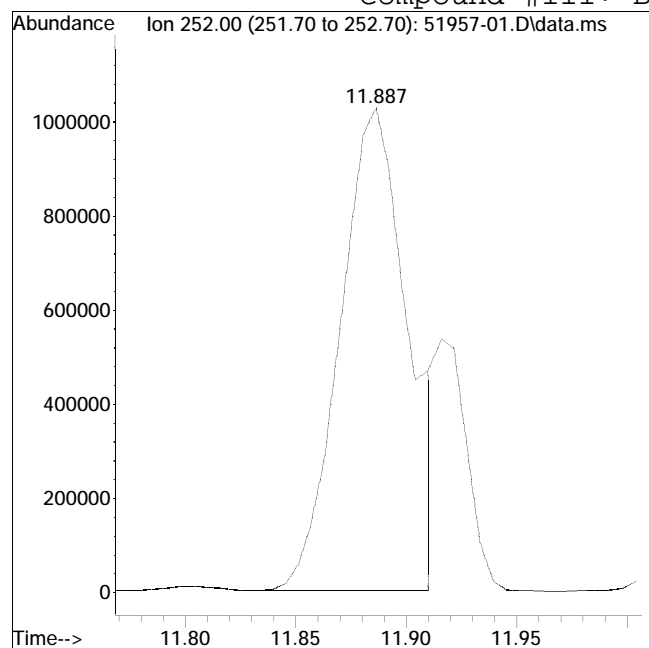
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

# Manual Integration Report

Data Path : I:\8270\Buffy\201203\  
Data File : 51957-01.D  
Date Inj'd : 12/3/2020 6:17 pm  
Sample : L2051957-01,32,,AM,

QMethod : FS201120buffy.m  
Operator : Buffy:ek  
Instrument : Buffy  
Quant Date : 12/3/2020 6:35 pm

## Compound #111: Benzo(k)fluoranthene



Original Peak Response = 2184230

Manual Peak Response = 526909 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\GCMS5\201207\  
 Data File : 51957-01.d  
 Acq On : 7 Dec 2020 7:20 pm  
 Operator : GCMS5:sz  
 Sample : L2051957-01D,32,2,NY,RV,ASK,  
 Misc : WG1441843,WG1440317,ICAL16639  
 ALS Vial : 26 Sample Multiplier: 1

Quant Time: Dec 08 09:28:08 2020  
 Quant Method : i:\8270\GCMS5\201207\FS200401gcms5.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Mon Dec 07 19:36:54 2020  
 Response via : Initial Calibration

CCAL FILE(s) : 1 - i:\8270\GCMS5\201207\ABN1207.d  
 : 2 - i:\8270\GCMS5\201207\ADP1207.d  
 : 3 - i:\8270\GCMS5\201207\AP91207.d  
 Sub List : PAH\_REV1 - PAHTCL\_only

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
<b>Internal Standards</b>						
1) IS1_1,4-Dichlorobenzen...	3.676	152	121897	40.000	ug/ml	0.00
Standard Area 1 = 99719			Recovery =	122.24%		
35) IS1_Naphthalene-d8	4.782	136	471737	40.000	ug/ml	0.00
Standard Area 1 = 368220			Recovery =	128.11%		
63) IS1_Acenaphthene-d10	6.225	164	296863	40.000	ug/ml	0.00
Standard Area 1 = 233757			Recovery =	127.00%		
88) IS1_Phenanthrene-d10	7.421	188	594352	40.000	ug/ml	0.00
Standard Area 1 = 487166			Recovery =	122.00%		
104) IS1_Chrysene-d12	9.777	240	584392	40.000	ug/ml	0.00
Standard Area 1 = 560435			Recovery =	104.27%		
113) IS1_Perylene-d12	11.027	264	623176	40.000	ug/ml	0.01
Standard Area 1 = 641641			Recovery =	97.12%		
<b>System Monitoring Compounds</b>						
19) Nitrobenzene-d5	4.173	82	21705	5.766	ug/ml	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	23.06%#		
46) 2-Fluorobiphenyl	5.701	172	87633	9.368	ug/ml	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	37.47%		
96) 4-Terphenyl-d14	8.842	244	116255	9.331	ug/ml	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	37.32%		
<b>Target Compounds</b>						
						Qvalue
36) Naphthalene	4.798	128	471671	39.151	ug/ml	99
41) 2-Methylnaphthalene	5.380	142	133050	15.533	ug/ml	94
47) 2-Chloronaphthalene	0.000		0	N.D.	d	
52) Acenaphthylene	6.107	152	14677	1.106	ug/ml#	72
65) Acenaphthene	6.246	154	127575	15.111	ug/ml	91
73) Fluorene	6.668	166	151137	14.621	ug/ml#	89
89) Phenanthrene	7.443	178	1934044	122.378	ug/ml	96
90) Anthracene	7.480	178	504233	32.208	ug/ml	97
93) Fluoranthene	8.468	202	1377311	72.049	ug/ml	97
95) Pyrene	8.661	202	1714578	86.668	ug/ml	94
105) Benzo(a)anthracene	9.772	228	673013	36.579	ug/ml	98
107) Chrysene	9.804	228	550822	31.194	ug/ml	94
110) Benzo(b)fluoranthene	10.723	252	598694M6	30.394	ug/ml	
111) Benzo(k)fluoranthene	10.733	252	172961M3	10.066	ug/ml	



Quantitation Report (QT Reviewed)

Data Path : I:\8270\GCMS5\201207\  
 Data File : 51957-01.d  
 Acq On : 7 Dec 2020 7:20 pm  
 Operator : GCMS5:sz  
 Sample : L2051957-01D,32,2,NY,RV,ASK,  
 Misc : WG1441843,WG1440317,ICAL16639  
 ALS Vial : 26 Sample Multiplier: 1

Quant Time: Dec 08 09:28:08 2020  
 Quant Method : i:\8270\GCMS5\201207\FS200401gcms5.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Mon Dec 07 19:36:54 2020  
 Response via : Initial Calibration

CCAL FILE(s) : 1 - i:\8270\GCMS5\201207\ABN1207.d  
 : 2 - i:\8270\GCMS5\201207\ADP1207.d  
 : 3 - i:\8270\GCMS5\201207\AP91207.d  
 Sub List : PAH\_REV1 - PAHTCL\_only

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
112) Benzo(a)pyrene	10.979	252	530605	30.314	ug/ml	99
114) Indeno(1,2,3-cd)pyrene	11.818	276	273252	14.764	ug/mL	96
115) Dibenzo(a,h)anthracene	11.834	278	60648	3.711	ug/ml	98
116) Benzo(ghi)perylene	11.994	276	300822	16.592	ug/ml	97

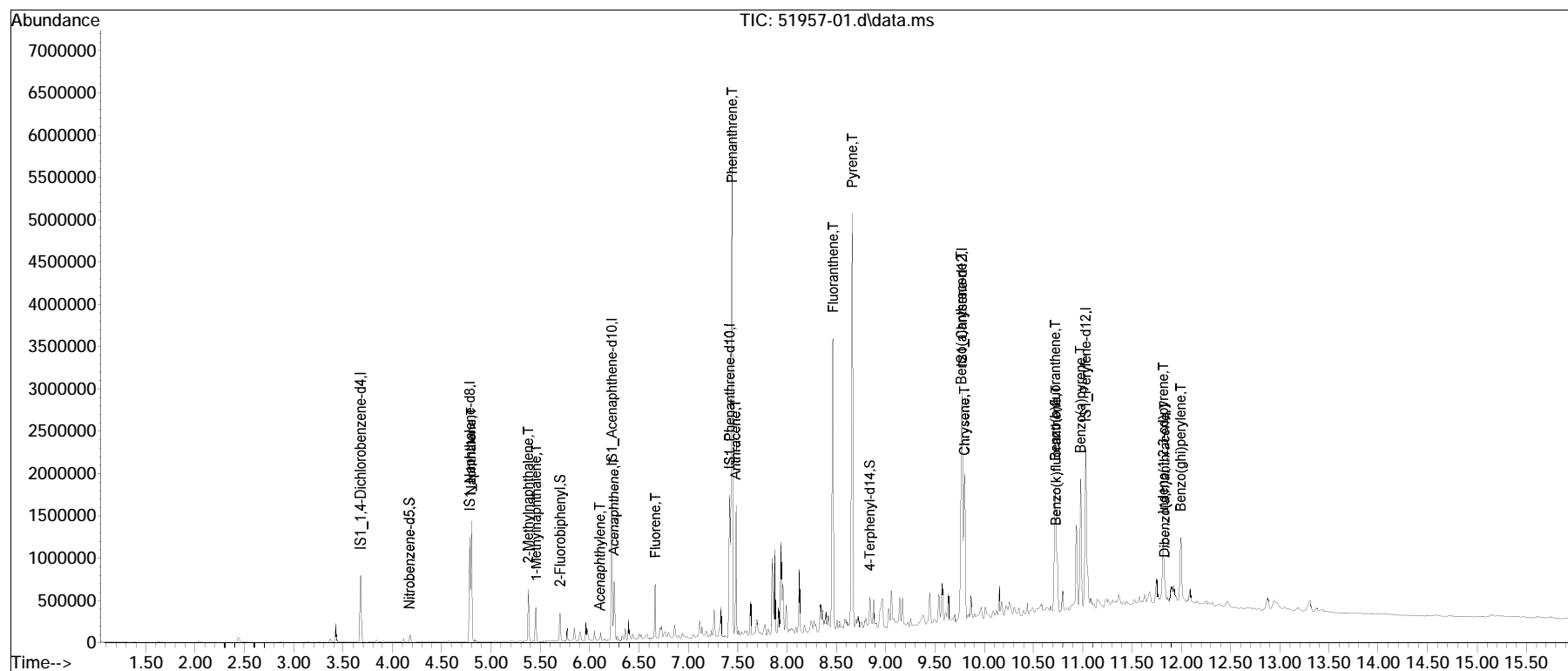
(#) = qualifier out of range (m) = manual integration (+) = signals summed

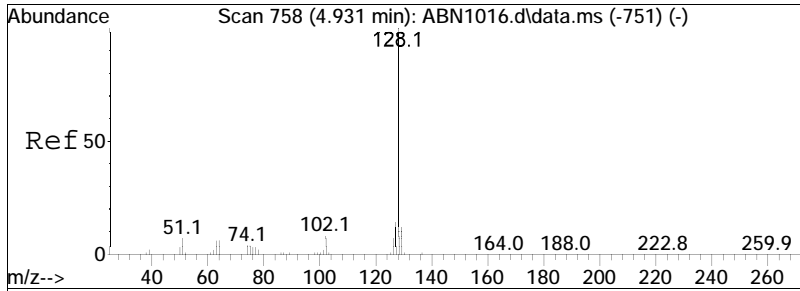
Quantitation Report (QT Reviewed)

Data Path : I:\8270\GCMS5\201207\  
 Data File : 51957-01.d  
 Acq On : 7 Dec 2020 7:20 pm  
 Operator : GCMS5:sz  
 Sample : L2051957-01D,32,2,NY,RV,ASK,  
 Misc : WG1441843,WG1440317,ICAL16639  
 ALS Vial : 26 Sample Multiplier: 1

Quant Time: Dec 08 09:28:08 2020  
 Quant Method : i:\8270\GCMS5\201207\FS200401gcms5.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Mon Dec 07 19:36:54 2020  
 Response via : Initial Calibration

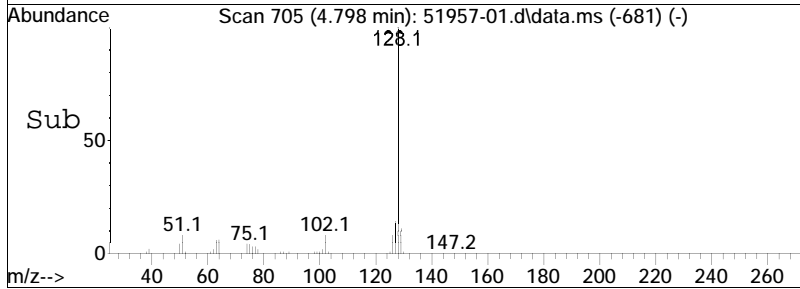
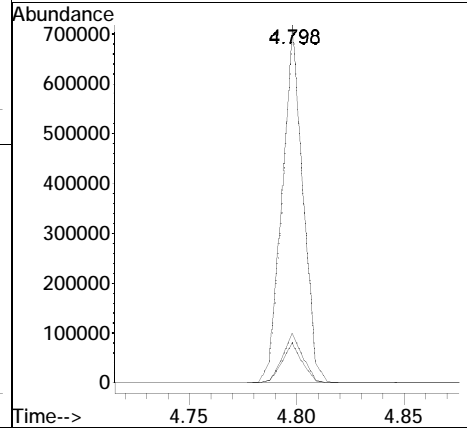
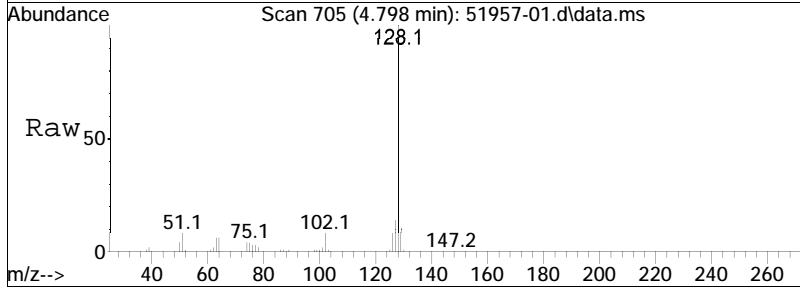
Sub List : PAH\_REV1 - PAHTCL\_only07\AP91207.d•

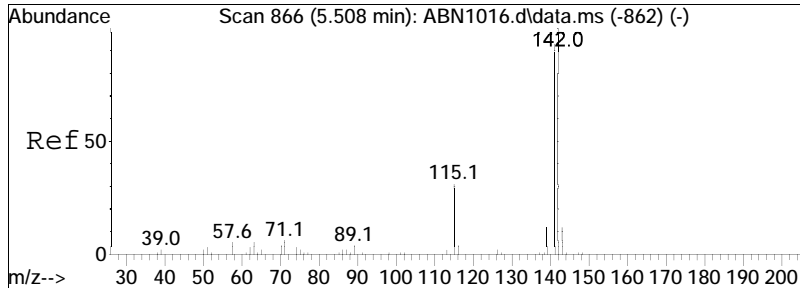




#36  
 Naphthalene  
 Concen: 39.15 ug/ml  
 RT: 4.798 min Scan# 705  
 Delta R.T. 0.005 min  
 Lab File: 51957-01.d  
 Acq: 7 Dec 2020 7:20 pm

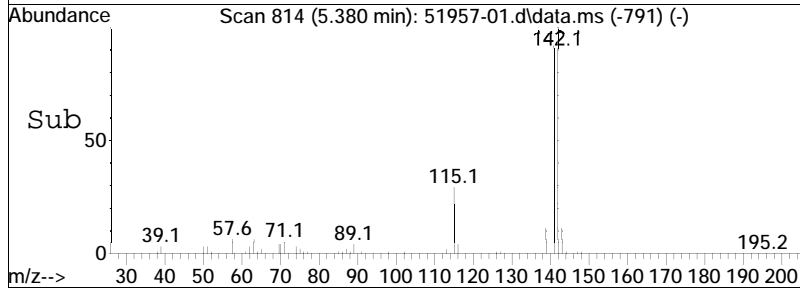
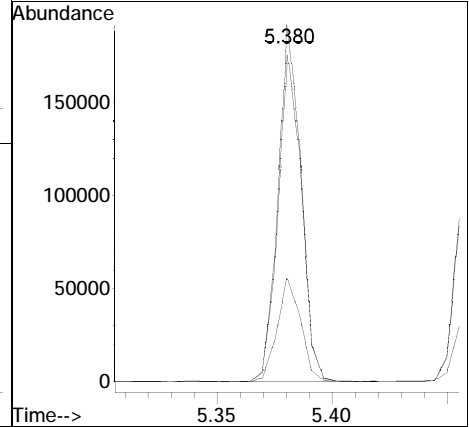
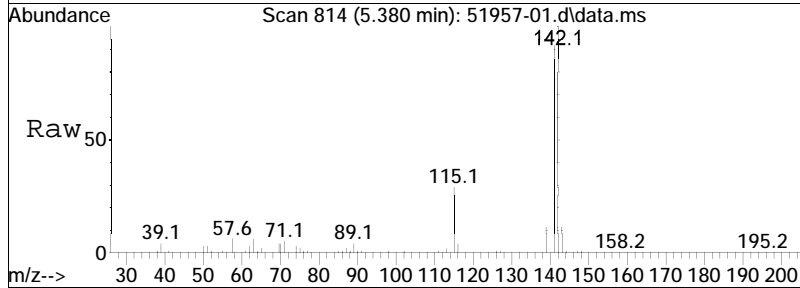
Tgt Ion	Ratio	Resp	Lower	Upper
128	100	471671		
129	11.1		9.0	13.6
127	13.8		11.3	16.9

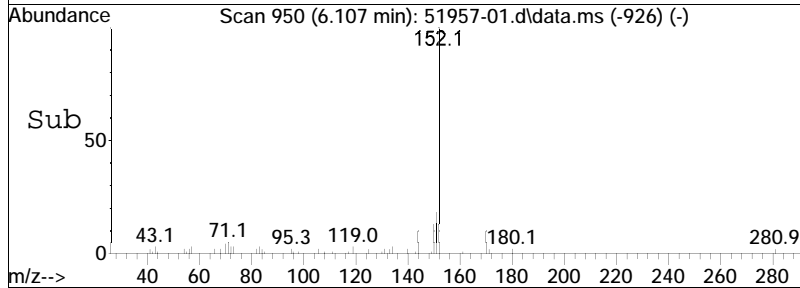
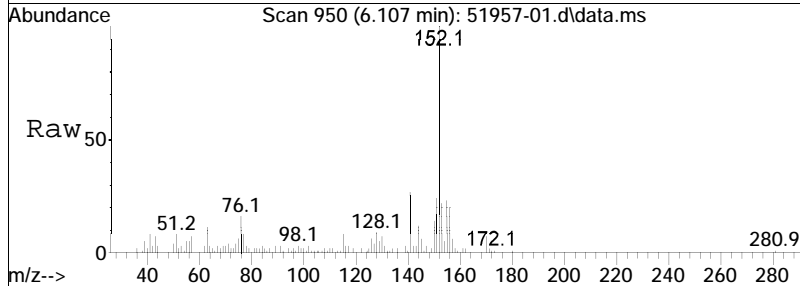
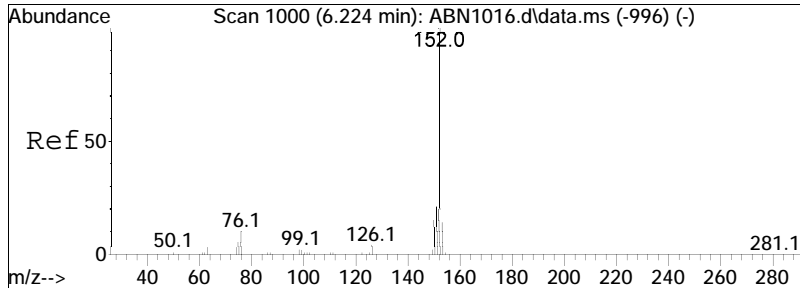




#41  
 2-Methylnaphthalene  
 Concen: 15.53 ug/ml  
 RT: 5.380 min Scan# 814  
 Delta R.T. -0.000 min  
 Lab File: 51957-01.d  
 Acq: 7 Dec 2020 7:20 pm

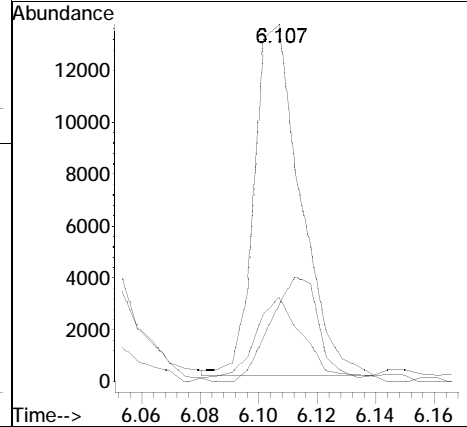
Tgt Ion	Ratio	Lower	Upper
142	100		
141	93.5	69.5	104.3
115	29.4	25.4	38.2

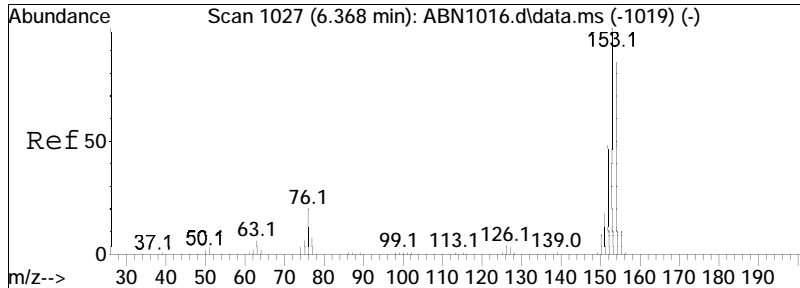




#52  
 Acenaphthylene  
 Concen: 1.11 ug/ml  
 RT: 6.107 min Scan# 950  
 Delta R.T. 0.005 min  
 Lab File: 51957-01.d  
 Acq: 7 Dec 2020 7:20 pm

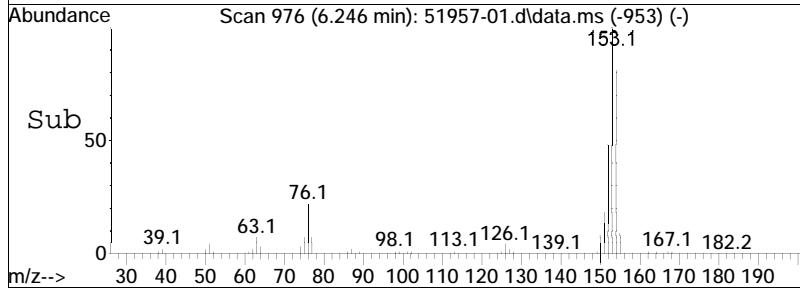
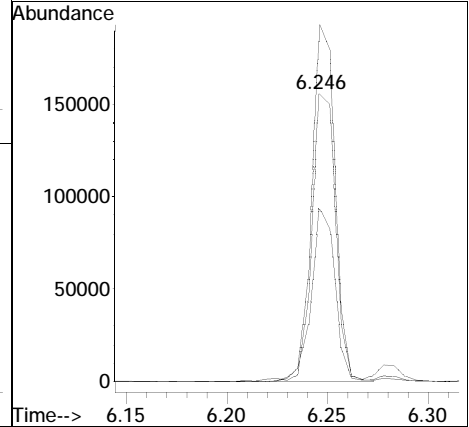
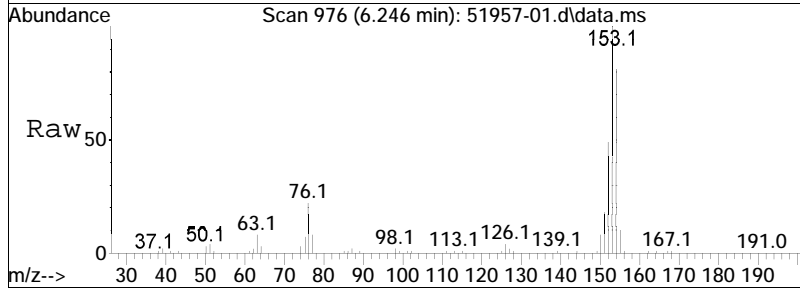
Tgt Ion	Resp	Lower	Upper
152	14677		
151	28.5	16.7	25.1#
153	32.3	11.1	16.7#

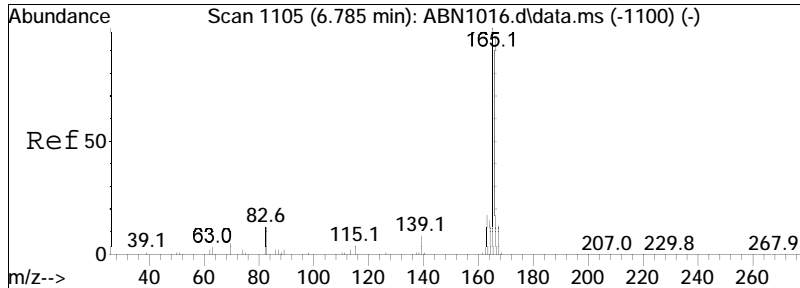




#65  
 Acenaphthene  
 Concen: 15.11 ug/ml  
 RT: 6.246 min Scan# 976  
 Delta R.T. -0.000 min  
 Lab File: 51957-01.d  
 Acq: 7 Dec 2020 7:20 pm

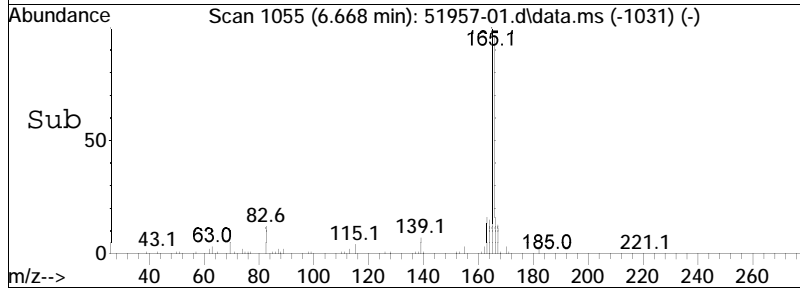
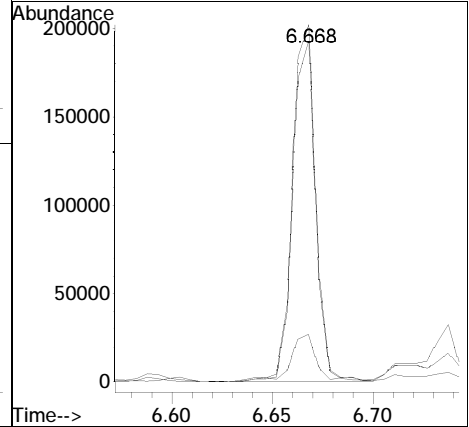
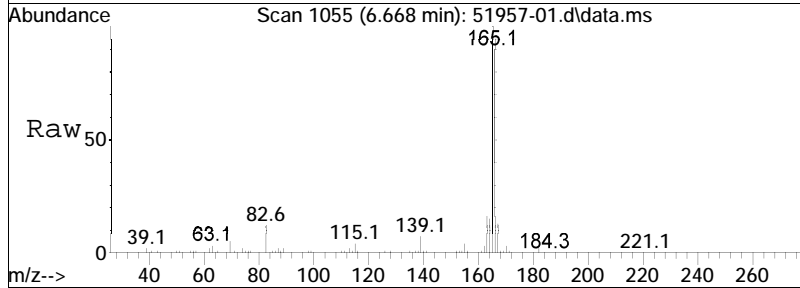
Tgt Ion	Resp	Lower	Upper
154	127575		
153	100	89.4	134.0
152	59.8	42.2	63.2

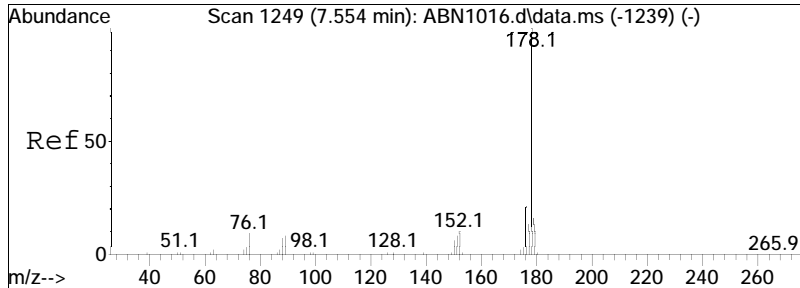




#73  
 Fluorene  
 Concen: 14.62 ug/ml  
 RT: 6.668 min Scan# 1055  
 Delta R.T. 0.005 min  
 Lab File: 51957-01.d  
 Acq: 7 Dec 2020 7:20 pm

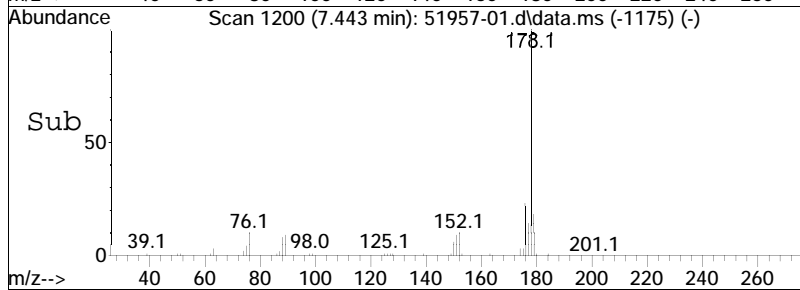
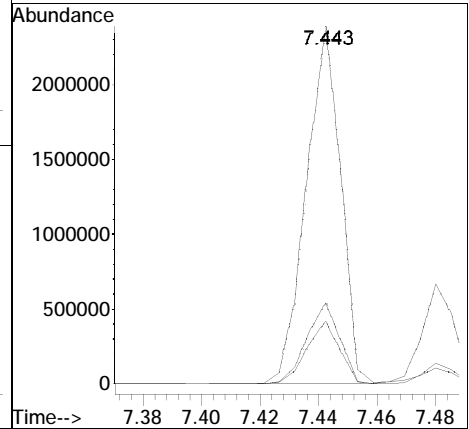
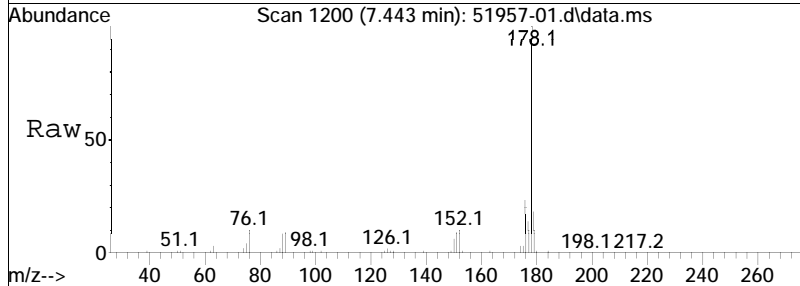
Tgt Ion	Resp	Lower	Upper
166	151137		
165	107.3	77.2	115.8
167	16.3	10.9	16.3#



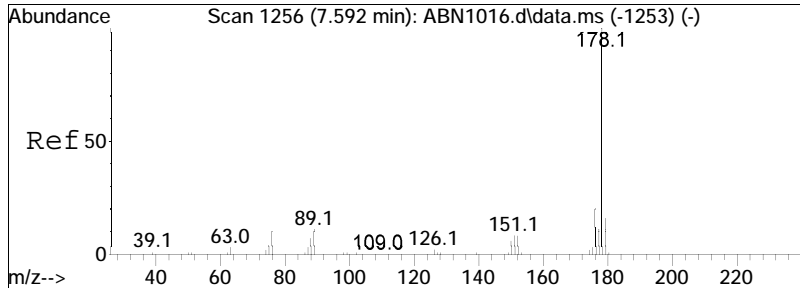


#89  
 Phenanthrene  
 Concen: 122.38 ug/ml  
 RT: 7.443 min Scan# 1200  
 Delta R.T. 0.011 min  
 Lab File: 51957-01.d  
 Acq: 7 Dec 2020 7:20 pm

Tgt Ion	Resp	Lower	Upper
178	100		
179	16.8	12.7	19.1
176	22.0	15.8	23.6

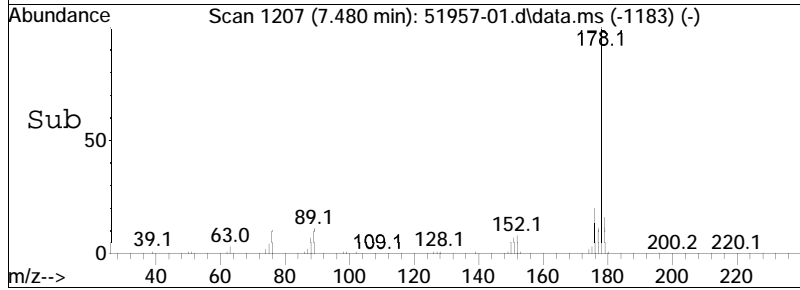
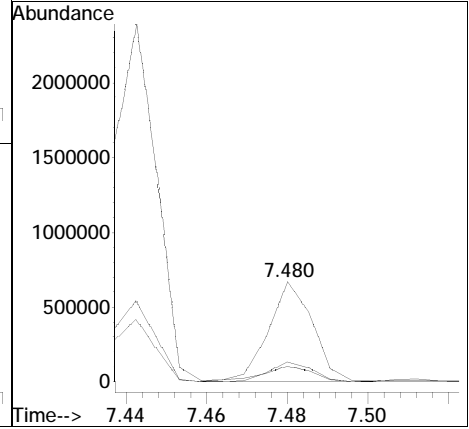
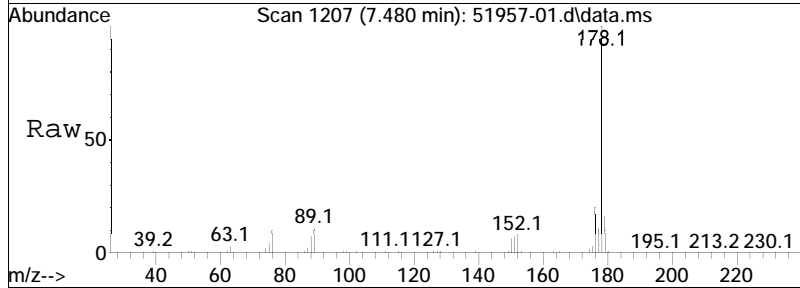


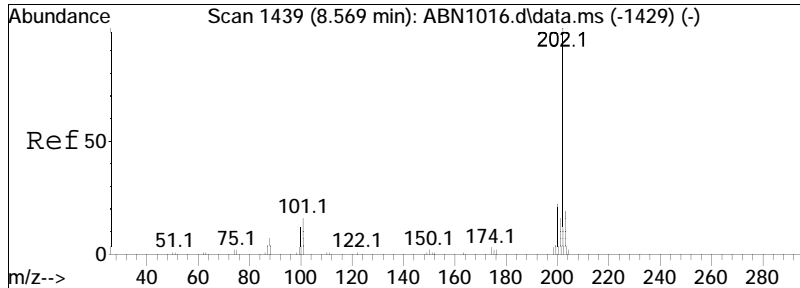




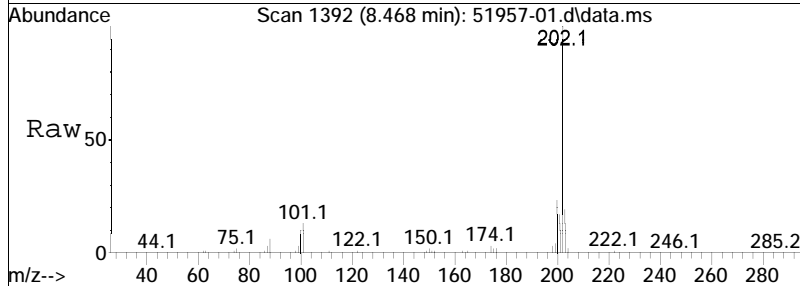
#90  
 Anthracene  
 Concen: 32.21 ug/ml  
 RT: 7.480 min Scan# 1207  
 Delta R.T. 0.005 min  
 Lab File: 51957-01.d  
 Acq: 7 Dec 2020 7:20 pm

Tgt Ion	Resp	Lower	Upper
178	504233		
179	17.3	12.5	18.7
176	20.3	15.4	23.0

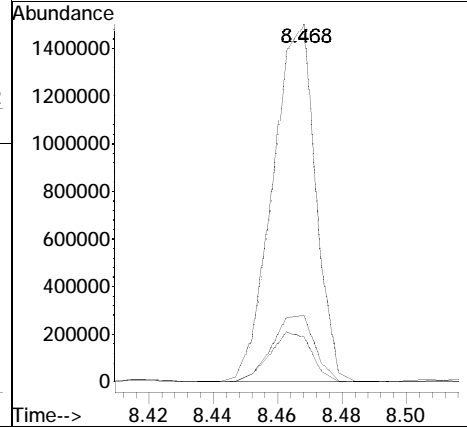
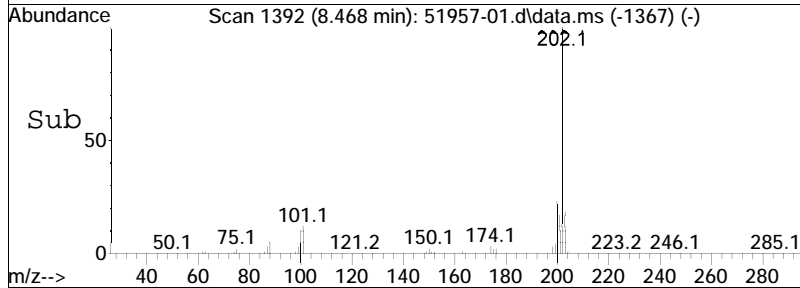


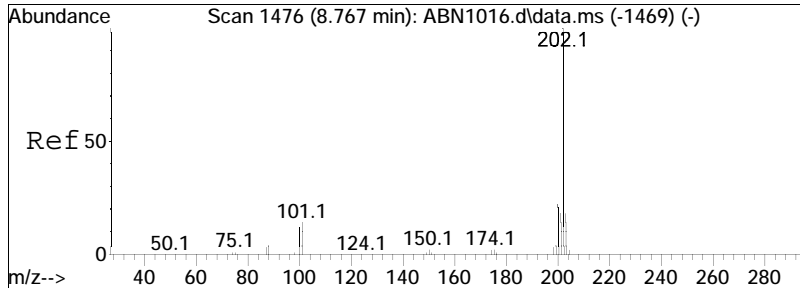


#93  
 Fluoranthene  
 Concen: 72.05 ug/ml  
 RT: 8.468 min Scan# 1392  
 Delta R.T. 0.011 min  
 Lab File: 51957-01.d  
 Acq: 7 Dec 2020 7:20 pm



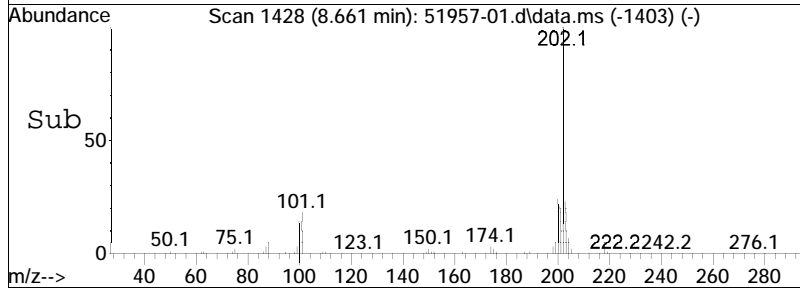
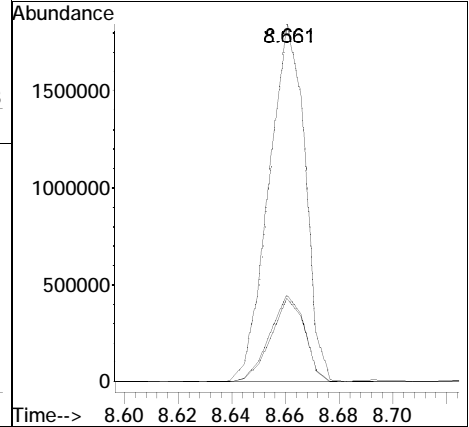
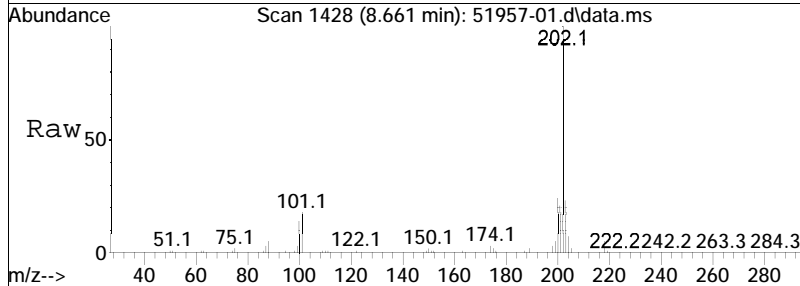
Tgt Ion	202	Resp	1377311
Ion Ratio	Lower	Upper	
202	100		
101	13.9	12.6	19.0
203	18.6	14.4	21.6

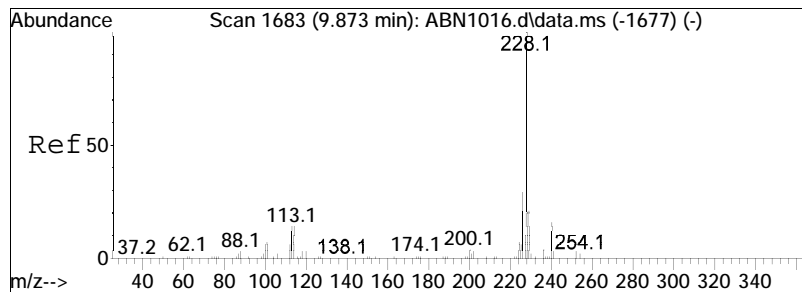




#95  
 Pyrene  
 Concen: 86.67 ug/ml  
 RT: 8.661 min Scan# 1428  
 Delta R.T. 0.011 min  
 Lab File: 51957-01.d  
 Acq: 7 Dec 2020 7:20 pm

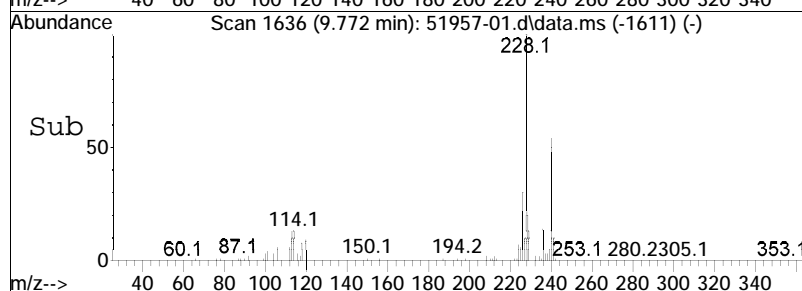
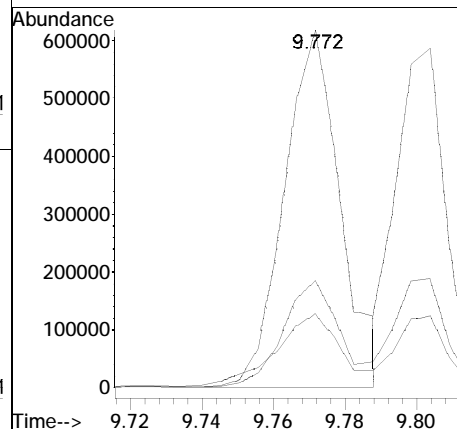
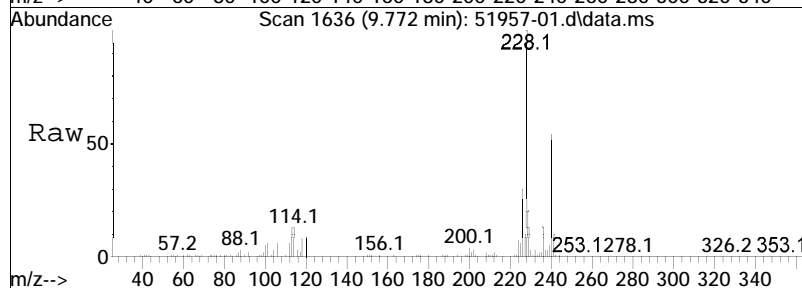
Tgt Ion	Ratio	Lower	Upper
202	100		
200	23.6	17.2	25.8
203	22.1	15.0	22.6

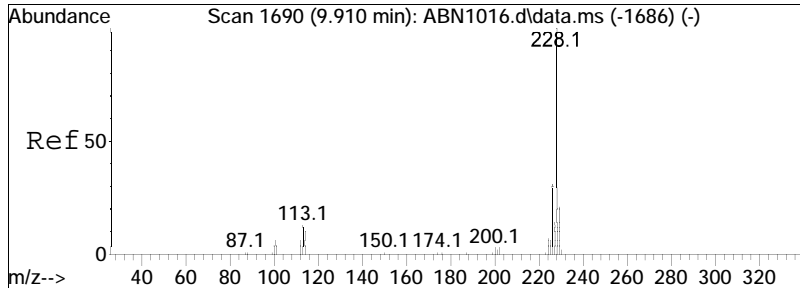




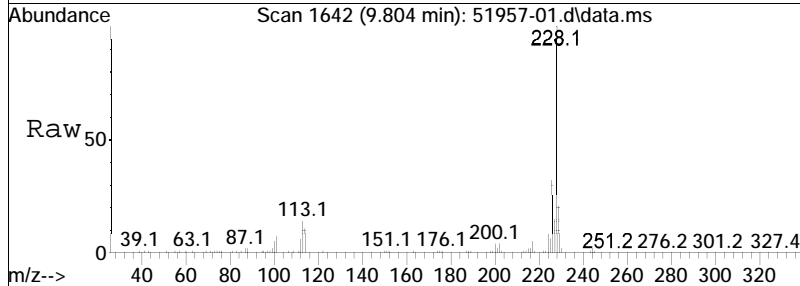
#105  
 Benzo(a)anthracene  
 Concen: 36.58 ug/ml  
 RT: 9.772 min Scan# 1636  
 Delta R.T. 0.011 min  
 Lab File: 51957-01.d  
 Acq: 7 Dec 2020 7:20 pm

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.7	22.9	34.3
229	22.4	16.1	24.1

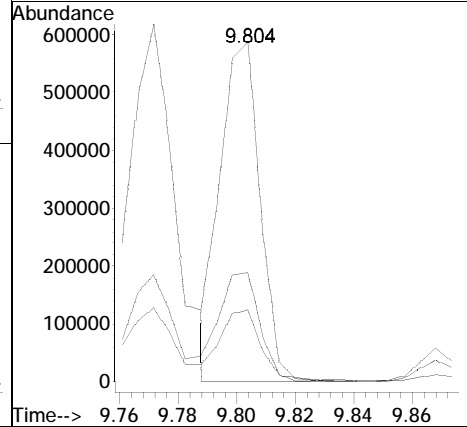
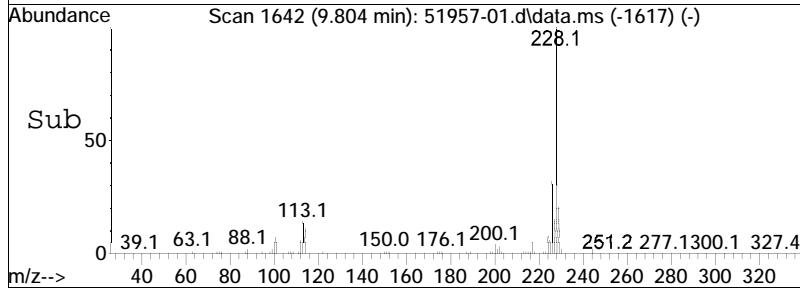


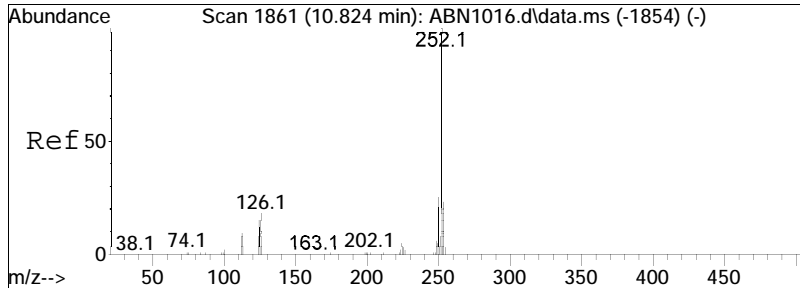


#107  
 Chrysene  
 Concen: 31.19 ug/ml  
 RT: 9.804 min Scan# 1642  
 Delta R.T. 0.011 min  
 Lab File: 51957-01.d  
 Acq: 7 Dec 2020 7:20 pm



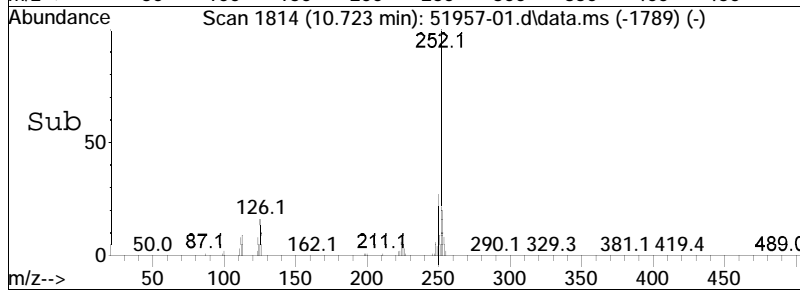
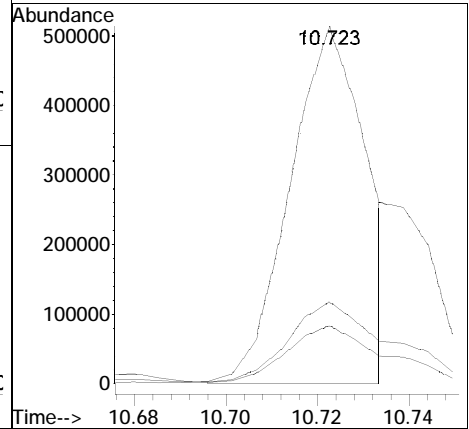
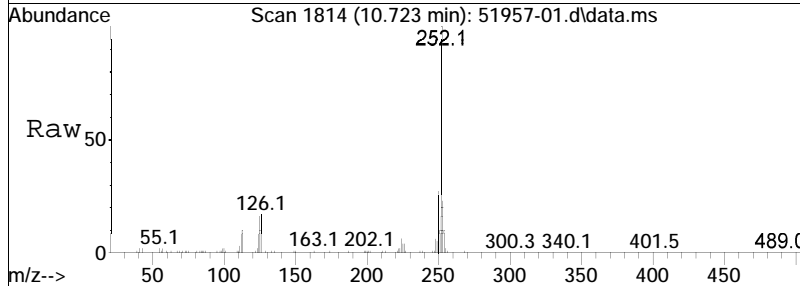
Tgt Ion	Ratio	Lower	Upper
228	100		
226	34.8	24.9	37.3
229	22.7	16.6	24.8

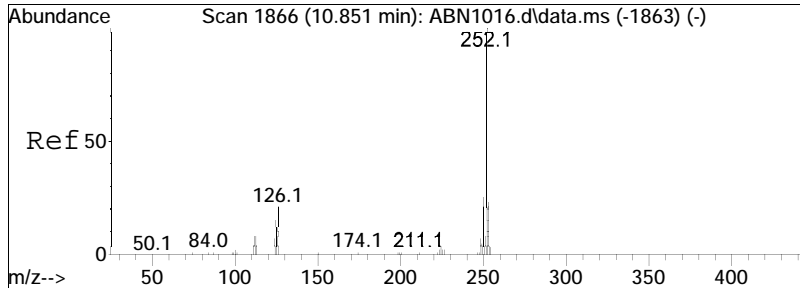




#110  
 Benzo(b)fluoranthene  
 Concen: 30.39 ug/ml M6  
 RT: 10.723 min Scan# 1814  
 Delta R.T. 0.011 min  
 Lab File: 51957-01.d  
 Acq: 7 Dec 2020 7:20 pm

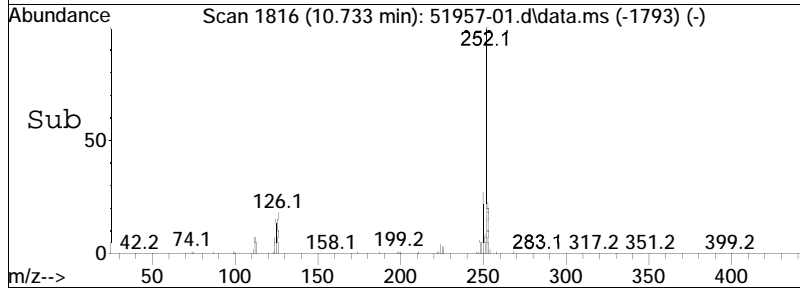
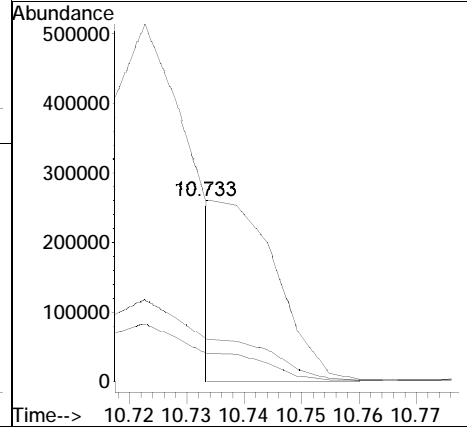
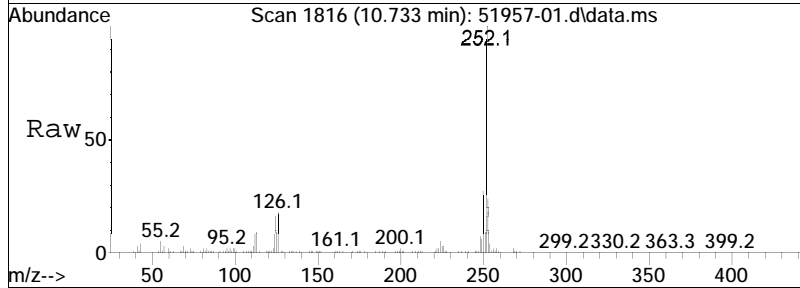
Tgt Ion	Ratio	Lower	Upper
252	100		
125	20.1	12.6	18.8#
253	29.0	18.2	27.2#

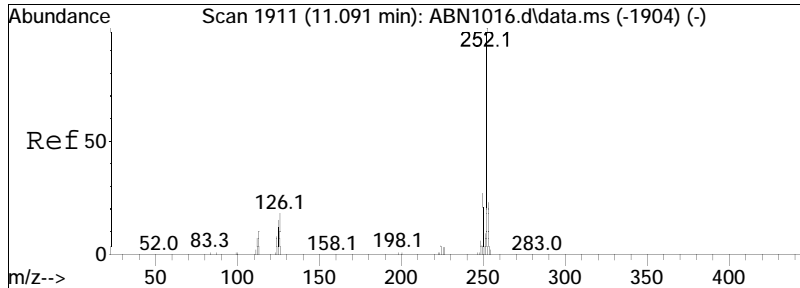




#111  
 Benzo(k)fluoranthene  
 Concen: 10.07 ug/ml M3  
 RT: 10.733 min Scan# 1816  
 Delta R.T. -0.000 min  
 Lab File: 51957-01.d  
 Acq: 7 Dec 2020 7:20 pm

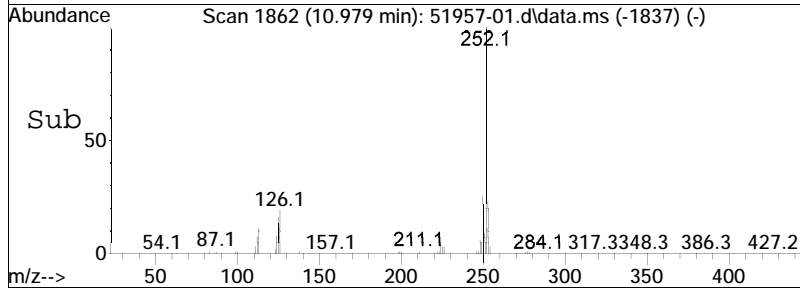
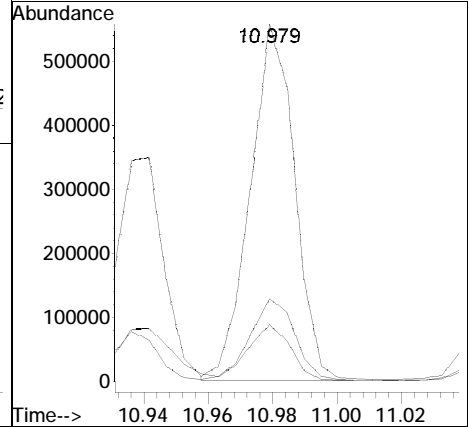
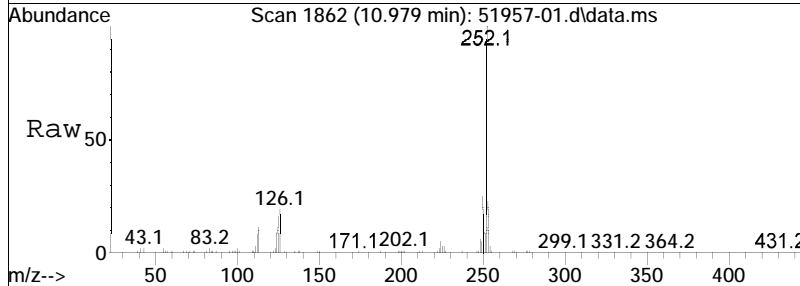
Tgt Ion	Resp	Lower	Upper
252	100		
125	69.6	12.1	18.1#
253	102.3	18.1	27.1#



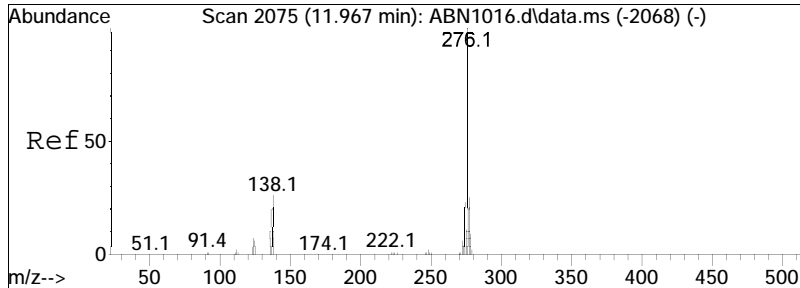


#112  
 Benzo(a)pyrene  
 Concen: 30.31 ug/ml  
 RT: 10.979 min Scan# 1862  
 Delta R.T. 0.011 min  
 Lab File: 51957-01.d  
 Acq: 7 Dec 2020 7:20 pm

Tgt Ion	Resp	Lower	Upper
252	100		
125	15.5	13.3	19.9
253	23.0	18.2	27.4

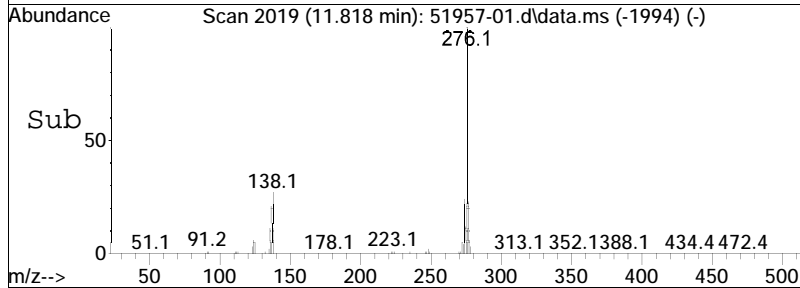
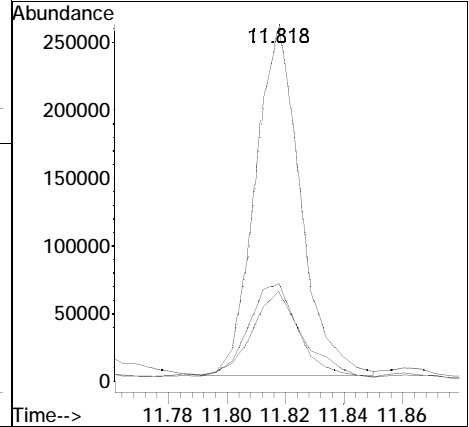
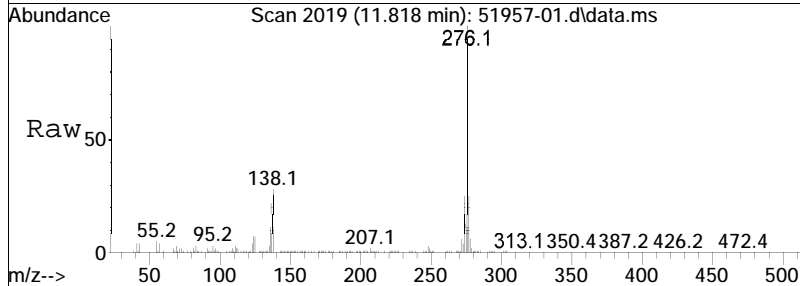


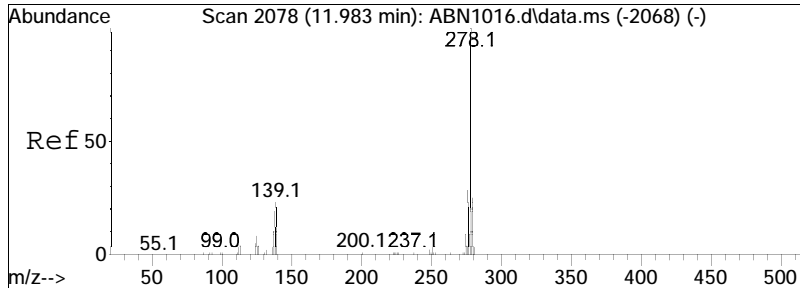




#114  
 Indeno(1,2,3-cd)pyrene  
 Concen: 14.76 ug/mL  
 RT: 11.818 min Scan# 2019  
 Delta R.T. 0.011 min  
 Lab File: 51957-01.d  
 Acq: 7 Dec 2020 7:20 pm

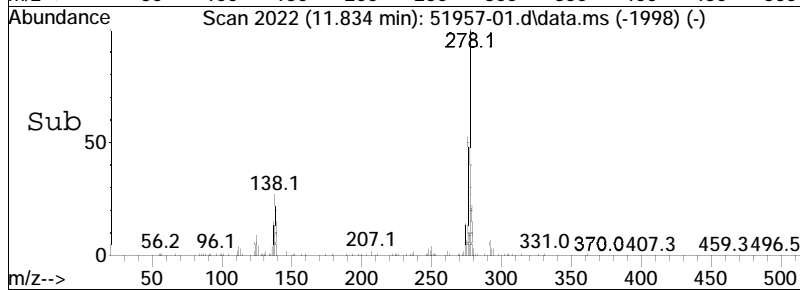
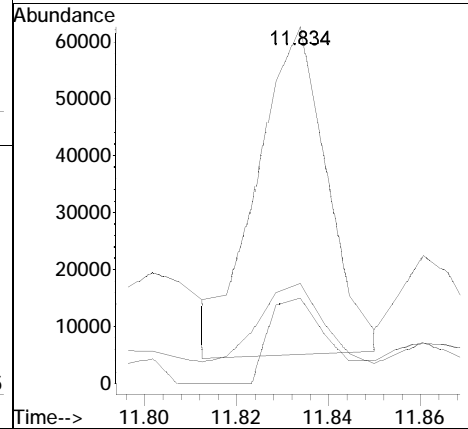
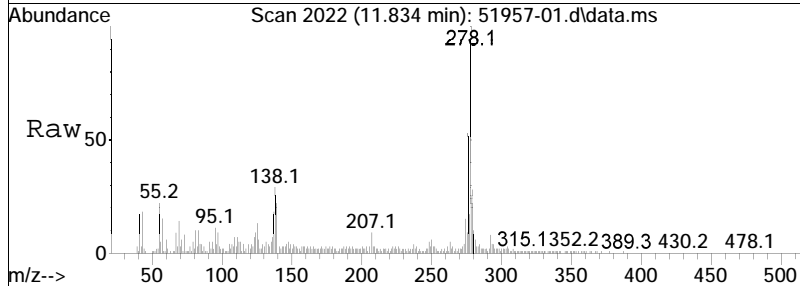
Tgt Ion	Ratio	Lower	Upper
276	100		
138	30.6	26.7	40.1
277	26.9	20.4	30.6

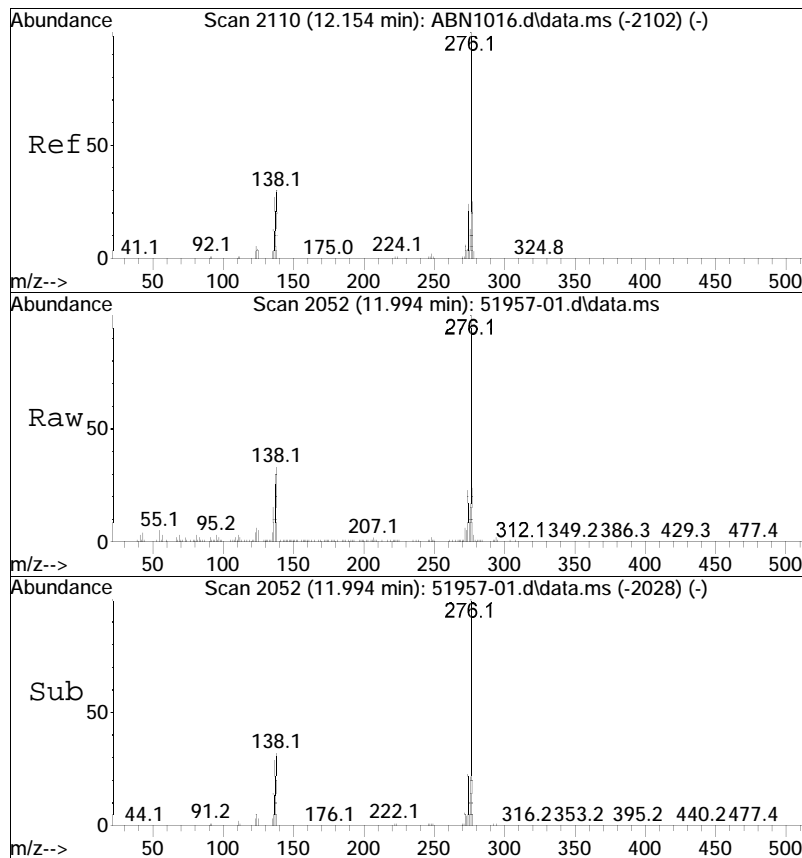




#115  
 Dibenzo(a,h)anthracene  
 Concen: 3.71 ug/ml  
 RT: 11.834 min Scan# 2022  
 Delta R.T. 0.005 min  
 Lab File: 51957-01.d  
 Acq: 7 Dec 2020 7:20 pm

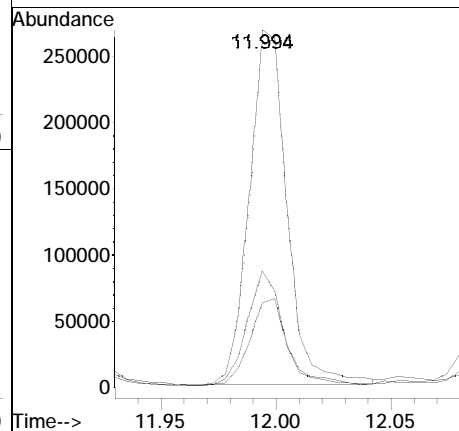
Tgt Ion	Resp	Lower	Upper
278	100		
139	24.0	18.2	27.4
279	22.9	19.3	28.9





#116  
 Benzo(ghi)perylene  
 Concen: 16.59 ug/ml  
 RT: 11.994 min Scan# 2052  
 Delta R.T. 0.005 min  
 Lab File: 51957-01.d  
 Acq: 7 Dec 2020 7:20 pm

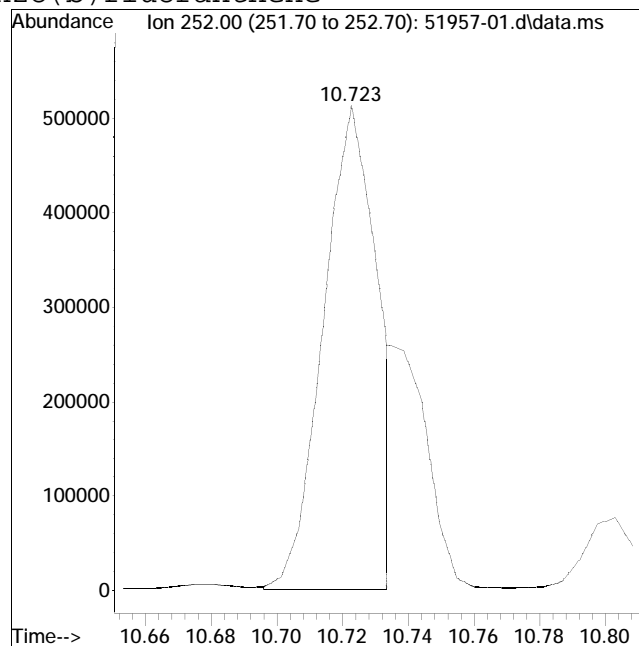
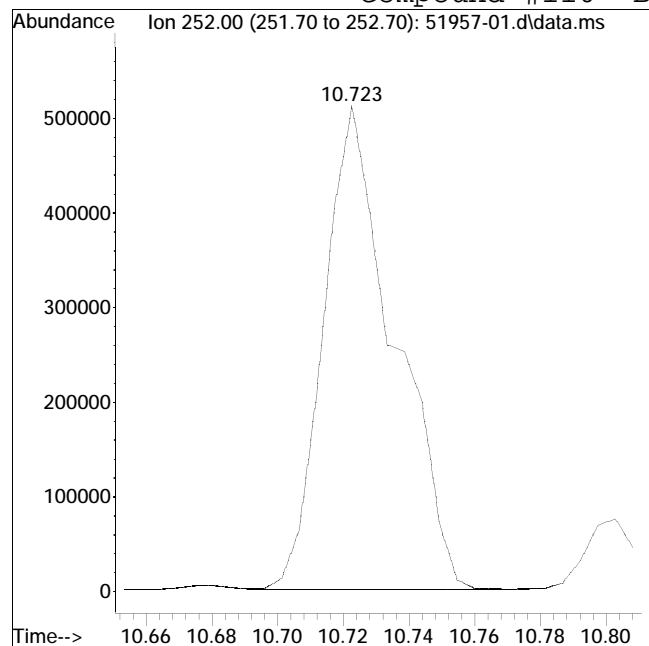
Tgt Ion	Resp	Lower	Upper
276	300822		
138	100	26.1	39.1
277	25.6	19.4	29.0



# Manual Integration Report

Data Path : I:\8270\GCMS5\201207\ QMethod : FS200401gcms5.m  
Data File : 51957-01.d Operator : GCMS5:sz  
Date Inj'd : 12/7/2020 7:20 pm Instrument : GCMS5  
Sample : L2051957-01D,32,2,NY,RV,ASQuant Date : 12/7/2020 7:37 pm

## Compound #110: Benzo(b)fluoranthene



Original Peak Response = 765244

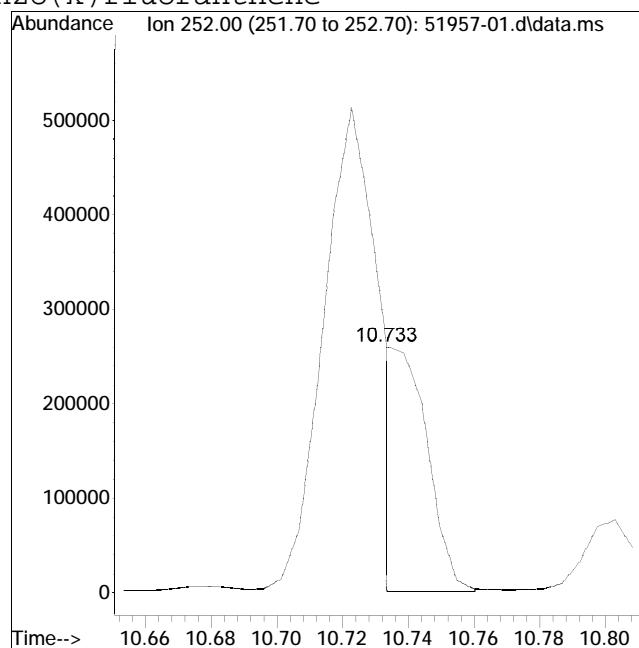
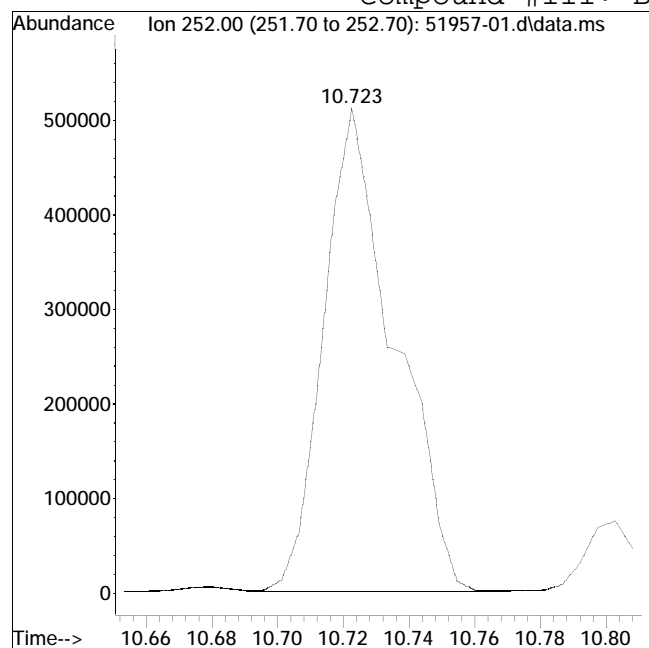
Manual Peak Response = 598694 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

# Manual Integration Report

Data Path : I:\8270\GCMS5\201207\ QMethod : FS200401gcms5.m  
Data File : 51957-01.d Operator : GCMS5:sz  
Date Inj'd : 12/7/2020 7:20 pm Instrument : GCMS5  
Sample : L2051957-01D,32,2,NY,RV,ASQuant Date : 12/7/2020 7:37 pm

## Compound #111: Benzo(k)fluoranthene



Original Peak Response = 768230

Manual Peak Response = 172961 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

# **Semivolatiles Standards Data**

# **Initial Calibration**

# Initial Calibration Summary

## Form 6

### Semivolatiles

**Client** : Langan Engineering & Environmental      **Lab Number** : L2051957  
**Project Name** : 266-270 W. 96TH STREET      **Project Number** : 170432001  
**Instrument ID** : GCMS5      **Ical Ref** : ICAL16639  
**Calibration dates** : 04/01/20 22:40      04/02/20 10:43

Calibration Files

1.0 =AP9L1.d    2.0 =ABNL2.d    3.0 =AP9L3.d    5.0 =AP9L4.d    10 =AP9L5.d    20 =AP9L6.d    50 =AP9L6.d  
 100 =AP9L8.d    150 =AP9L9.d    200 =AP9L10.d

Compound	1.0	2.0	3.0	5.0	10	20	50	100	150	200	Avg	
1) I IS1_1,4-Dichlorobenzene-d4	-----ISTD-----											
2) t n-Nitrosodimet	0.581	0.560	0.711	0.700	0.714	0.736	0.723	0.743	0.760	0.826	0.705	11.28
3) t Pyridine	1.065	1.022	1.281	1.166	1.193	1.309	1.316	1.295	1.314	1.429	1.239	10.14
4) S 2-Fluorophenol	0.903	1.026	0.994	1.111	1.086	1.133	1.161	1.186	1.221	1.196	1.102	9.18
5) T Aniline	1.669	1.673	1.736	1.818	1.790	1.857	1.806	1.864	1.843	1.814	1.787	3.98
6) t 2-Chlorophenol	1.223	1.105	1.331	1.278	1.277	1.332	1.311	1.323	1.326	1.310	1.282	5.52
7) S Phenol-d6	1.286	1.313	1.349	1.330	1.346	1.388	1.369	1.430	1.433	1.415	1.366	3.68
8) T Phenol	1.506	1.643	1.542	1.650	1.609	1.673	1.665	1.711	1.708	1.682	1.639	4.15
9) T Bis(2-chloroet	1.030	1.107	1.049	1.057	1.063	1.072	1.053	1.044	1.050	1.021	1.055	2.25
10) T 1,3-Dichlorobe	1.334	1.521	1.555	1.456	1.526	1.523	1.514	1.538	1.522	1.495	1.498	4.25
11) T 1,4-Dichlorobe	1.627	1.516	1.568	1.534	1.505	1.593	1.547	1.545	1.547	1.518	1.550	2.41
12) T 1,2-Dichlorobe		1.519	1.471	1.505	1.512	1.562	1.475	1.485	1.474	1.426	1.492	2.56
13) t Benzyl alcohol	0.810	0.869	0.915	0.910	0.917	0.949	0.964	0.995	0.980	0.972	0.928	6.12
14) T Bis(2-chlorois	1.986	1.855	2.168	2.021	1.964	2.055	1.944	1.979	1.931	1.871	1.977	4.59
15) T 2-Methylphenol	1.027	1.048	1.064	1.026	1.080	1.161	1.122	1.149	1.132	1.147	1.095	4.79
16) T Hexachloroethane	0.650	0.622	0.566	0.599	0.611	0.618	0.587	0.588	0.592	0.594	0.603	3.87
17) T n-Nitrosodi-n-	0.700	0.752	0.792	0.845	0.796	0.896	0.841	0.861	0.861	0.850	0.819	7.21
18) T 3-Methylphenol	1.169	1.105	1.180	1.133	1.168	1.235	1.181	1.198	1.211	1.193	1.177	3.16
19) S Nitrobenzene-d5	1.210	1.153	1.183	1.161	1.231	1.299	1.263	1.304	1.279	1.269	1.235	4.53
20) T Nitrobenzene	1.283	1.225	1.159	1.177	1.249	1.329	1.256	1.274	1.256	1.256	1.247	3.97
21) T Isophorone	2.051	2.052	2.035	2.087	2.141	2.325	2.253	2.204	2.240	2.236	2.162	4.75
22) T 2-Nitrophenol				0.671	0.674	0.731	0.725	0.716	0.748	0.734	0.714	4.18
23) T 2,4-Dimethylph	0.952	1.131	1.095	1.249	1.158	1.209	1.155	1.154	1.204	1.184	1.149	7.12
24) T Bis(2-chloroet	1.353	1.477	1.411	1.433	1.445	1.501	1.371	1.378	1.396	1.385	1.415	3.41
25) T 2,4-Dichloroph	1.140	1.131	1.127	1.214	1.236	1.296	1.224	1.222	1.266	1.244	1.210	4.83
26) T 1,2,4-Trichlor	1.560	1.459	1.389	1.426	1.411	1.499	1.361	1.366	1.404	1.376	1.425	4.48
27) I IS2_1,4-Dichlorobenzene-d4	-----ISTD-----											
28) T Benzaldehyde	0.953	1.062	1.068	1.065	1.044	1.045	1.060	1.030	1.026	1.039		3.43
29) T Acetophenone	1.690	1.592	1.740	1.787	1.758	1.767	1.763	1.699	1.679	1.720		3.55
30) T m-Toluidine	1.672	1.728	1.802	1.863	1.795	1.834	1.824	1.738	1.717	1.775		3.57
31) T 2-Chloroaniline	1.502	1.683	1.700	1.711	1.673	1.655	1.643	1.577	1.571	1.635		4.30
32) I IS3_1,4-Dichlorobenzene-d4	-----ISTD-----											
33) T 1,4-Dioxane	0.439	0.496	0.496	0.491	0.460	0.508	0.477	0.492	0.459	0.471	0.479	4.49
34) T n-Decane	1.264	1.219	1.219	1.347	1.357	1.472	1.395	1.263	1.181	1.328	1.305	6.98
35) I IS1_Naphthalene-d8	-----ISTD-----											
36) T Naphthalene	1.035	1.054	1.017	1.051	1.036	1.031	1.025	0.985	0.961	1.022		2.99





# Initial Calibration Summary

## Form 6

### Semivolatiles

**Client** : Langan Engineering & Environmental      **Lab Number** : L2051957  
**Project Name** : 266-270 W. 96TH STREET      **Project Number** : 170432001  
**Instrument ID** : GCMS5      **Ical Ref** : ICAL16639  
**Calibration dates** : 04/01/20 22:40      04/02/20 10:43

Calibration Files

1.0 =AP9L1.d    2.0 =ABNL2.d    3.0 =AP9L3.d    5.0 =AP9L4.d    10 =AP9L5.d    20 =AP9L6.d    50 =AP9L6.d  
 100 =AP9L8.d    150 =AP9L9.d    200 =AP9L10.d

Compound	1.0	2.0	3.0	5.0	10	20	50	100	150	200	Avg		
37) T Benzoic Acid					0.129	0.177	0.255	0.280	0.293	0.286	*L	0.99	
91)													
38) T 4-Chloroaniline	0.120	0.123	0.132	0.120	0.128	0.125	0.129	0.130	0.131	0.127	0.126	3.36	
39) T Hexachlorobuta	0.206	0.206	0.216	0.199	0.225	0.221	0.224	0.228	0.229	0.222	0.218	4.77	
40) T p-Chloro-m-cresol	0.245	0.271	0.263	0.281	0.313	0.288	0.314	0.325	0.319	0.320	0.294	9.59	
41) T 2-Methylnaphth	0.697	0.709	0.726	0.728	0.746	0.727	0.734	0.754	0.728	0.715	0.726	2.30	
42) T 1-Methylnaphth	0.246	0.192	0.238	0.220	0.237	0.229	0.233	0.239	0.238	0.239	0.231	6.59	
43) T Hexachlorocycl				0.270	0.296	0.290	0.306	0.321	0.322	0.319	0.304	6.41	
44) T 2,4,6-Trichlor		0.222	0.233	0.233	0.270	0.260	0.270	0.275	0.272	0.280	0.257	8.47	
45) T 2,4,5-Trichlor		0.292	0.247	0.262	0.282	0.275	0.292	0.299	0.297	0.291	0.282	6.25	
46) S 2-Fluorobiphenyl	0.773	0.803	0.795	0.792	0.815	0.788	0.805	0.805	0.781	0.776	0.793	1.75	
47) T 2-Chloronaphth	0.728	0.747	0.736	0.735	0.766	0.737	0.747	0.752	0.727	0.733	0.741	1.64	
48) T 2-Nitroaniline				0.223	0.243	0.228	0.254	0.263	0.260	0.264	0.248	6.81	
49) T 1,4-Dinitroben				0.093	0.099	0.097	0.112	0.113	0.116	0.116	0.107	9.10	
50) T 1,3-Dinitroben				0.105	0.116	0.112	0.121	0.126	0.128	0.128	0.120	7.44	
51) T Dimethyl phtha		0.854	0.861	0.845	0.861	0.852	0.865	0.870	0.852	0.853	0.857	0.91	
52) T Acenaphthylene	1.108	1.084	1.117	1.124	1.190	1.127	1.156	1.127	1.114	1.106	1.125	2.60	
53) T 2,6-Dinitrotol	0.153	0.171	0.173	0.187	0.189	0.194	0.196	0.196	0.201	0.184		8.57	
54) T 1,2-Dinitroben				0.074	0.072	0.073	0.074	0.073	0.074	0.075	0.074	1.24	
55) I IS2_Naphthalene-d8	-----ISTD-----												
56) T a-Terpineol	0.323	0.301	0.321	0.307	0.315	0.331	0.320	0.320	0.309	0.304	0.315	3.18	
57) T 3-Chloroaniline	0.138	0.134	0.154	0.149	0.150	0.150	0.145	0.144	0.144	0.144	0.145	4.27	
58) T 2,6-Dichlorophenol	0.256	0.287	0.307	0.304	0.312	0.321	0.322	0.315	0.319	0.305		6.98	
59) T 1-chloro-2-nitrobenzene	0.146	0.134	0.129	0.141	0.146	0.146	0.143	0.142	0.146	0.141		4.34	
60) T Caprolactam				0.155	0.176	0.185	0.195	0.194	0.192	0.191	0.184	7.83	
61) T 1,2,4,5-Tetrachloroben...		0.346	0.333	0.374	0.360	0.351	0.365	0.363	0.361	0.367	0.358	3.47	
62) T Biphenyl		0.789	0.777	0.865	0.847	0.835	0.845	0.806	0.783	0.780	0.814	4.18	
63) I IS1_Acenaphthene-d10	-----ISTD-----												
64) T 3-Nitroaniline				0.342	0.337	0.369	0.361	0.378	0.379	0.372	0.377	0.364	4.54
65) T Acenaphthene	1.128	1.083	1.210	1.162	1.194	1.110	1.128	1.141	1.109	1.110	1.138	3.53	
66) T 2,4-Dinitrophenol				0.095	0.170	0.196	0.232	0.244	0.239	0.249	*L	0.99	
95)													
67) T Dibenzofuran		1.744	1.794	1.786	1.844	1.780	1.779	1.796	1.693	1.684	1.766	2.90	
68) T 2,4-Dinitrotol		0.321	0.388	0.413	0.450	0.422	0.450	0.460	0.453	0.458	0.424	10.78	
69) T 4-Nitrophenol			0.231	0.246	0.271	0.265	0.280	0.285	0.273	0.280	0.266	7.01	
70) T 2,3,5,6-Tetrac		0.357	0.387	0.377	0.437	0.438	0.458	0.469	0.454	0.464	0.427	9.82	



# Initial Calibration Summary

## Form 6

### Semivolatiles

**Client** : Langan Engineering & Environmental      **Lab Number** : L2051957  
**Project Name** : 266-270 W. 96TH STREET      **Project Number** : 170432001  
**Instrument ID** : GCMS5      **Ical Ref** : ICAL16639  
**Calibration dates** : 04/01/20 22:40    04/02/20 10:43

Calibration Files

1.0 =AP9L1.d    2.0 =ABNL2.d    3.0 =AP9L3.d    5.0 =AP9L4.d    10 =AP9L5.d    20 =AP9L6.d    50 =AP9L6.d  
 100 =AP9L8.d    150 =AP9L9.d    200 =AP9L10.d

Compound	1.0	2.0	3.0	5.0	10	20	50	100	150	200	Avg	
71) T 2,3,4,6-Tetrachlorophenol		0.395	0.388	0.407	0.441	0.436	0.461	0.467	0.452	0.455	0.433	6.80
72) T Diethyl phthalate	1.341	1.319	1.378	1.417	1.492	1.460	1.489	1.500	1.442	1.459	1.430	4.50
73) T Fluorene	1.289	1.353	1.413	1.356	1.447	1.389	1.427	1.462	1.386	1.406	1.393	3.65
74) T 4-Chlorophenyl	0.584	0.682	0.673	0.658	0.695	0.658	0.678	0.693	0.673	0.679	0.667	4.78
75) T 4-Nitroaniline			0.311	0.347	0.384	0.389	0.396	0.406	0.393	0.378	0.376	8.36
76) T 4,6-Dinitro-o-				0.194	0.220	0.247	0.286	0.300	0.296	0.309	0.265	16.88
77) T NDPA/DPA	1.136	1.093	1.087	1.114	1.210	1.178	1.187	1.198	1.142	1.164	1.151	3.76
78) T Azobenzene	1.173	1.259	1.207	1.257	1.351	1.278	1.294	1.311	1.233	1.234	1.260	4.11
79) S 2,4,6-Tribromo		0.190	0.212	0.223	0.239	0.231	0.265	0.277	0.270	0.281	0.243	13.09
80) T 4-Bromophenyl	0.354	0.428	0.395	0.413	0.445	0.437	0.443	0.456	0.454	0.463	0.429	7.78
81) T Hexachlorobenzene	0.505	0.474	0.459	0.459	0.477	0.502	0.515	0.543	0.537	0.542	0.501	6.56
82) T Pentachlorophenol			0.211	0.238	0.307	0.306	0.359	0.381	0.381	0.394	*L	0.99
88)												
83) I IS2_Acenaphthene-d10												
84) T Dichloran				0.145	0.153	0.173	0.209	0.207	0.213	0.228	0.190	17.19
85) T Pentachloronitrobenzene				0.159	0.173	0.185	0.190	0.198	0.194	0.212	0.187	9.21
86) I IS3_Acenaphthene-d10												
87) T Atrazine			0.277	0.290	0.303	0.331	0.338	0.349	0.326	0.361	0.322	9.09
88) I IS1_Phenanthrene-d10												
89) T Phenanthrene	1.103	1.085	1.054	1.063	1.097	1.076	1.078	1.055	1.029	0.996	1.064	3.04
90) T Anthracene	1.038	1.024	1.018	1.022	1.101	1.075	1.105	1.093	1.046	1.014	1.054	3.46
91) T Carbazole	0.930	1.004	0.970	0.988	1.046	1.022	1.039	1.022	0.984	0.967	0.997	3.64
92) T Di-n-butylphth		1.101	1.056	1.083	1.203	1.219	1.240	1.233	1.205	1.148	1.165	6.01
93) T Fluoranthene	1.210	1.260	1.240	1.274	1.355	1.332	1.344	1.325	1.293	1.232	1.287	3.97
94) T Benzidine			0.708	0.732	0.820	0.868	0.903	0.887	0.894	0.868	0.835	9.03
95) T Pyrene	1.293	1.347	1.307	1.338	1.398	1.384	1.354	1.320	1.304	1.269	1.331	3.06
96) S 4-Terphenyl-d14	0.746	0.802	0.800	0.806	0.833	0.858	0.899	0.884	0.883	0.873	0.838	5.85
97) T Butyl benzyl p				0.478	0.535	0.559	0.599	0.606	0.608	0.588	0.568	8.41
98) I IS2_Phenanthrene-d10												
99) T Diphenamid				0.444	0.448	0.468	0.501	0.505	0.503	0.506	0.482	5.85
100) I IS3_Phenanthrene-d10												
101) T n-Octadecane		0.389	0.390	0.412	0.442	0.467	0.444	0.462	0.407	0.432	0.427	6.82
102) T Parathion				0.077	0.085	0.104	0.132	0.138	0.146	0.149	*L	0.99
77)												
103) T 3,3'-Dimethylb				0.576	0.584	0.663	0.811	0.741	0.816	0.814	0.715	15.00
104) I IS1_Chrysene-d12												



# Initial Calibration Summary

## Form 6

### Semivolatiles

<b>Client</b> : Langan Engineering & Environmental	<b>Lab Number</b> : L2051957
<b>Project Name</b> : 266-270 W. 96TH STREET	<b>Project Number</b> : 170432001
<b>Instrument ID</b> : GCMS5	<b>Ical Ref</b> : ICAL16639
<b>Calibration dates</b> : 04/01/20 22:40 04/02/20 10:43	

Calibration Files

1.0 =AP9L1.d 2.0 =ABNL2.d 3.0 =AP9L3.d 5.0 =AP9L4.d 10 =AP9L5.d 20 =AP9L6.d 50 =AP9L6.d  
 100 =AP9L8.d 150 =AP9L9.d 200 =AP9L10.d

Compound	1.0	2.0	3.0	5.0	10	20	50	100	150	200	Avg	
105) T Benzo(a) anthra	1.332	1.252	1.234	1.239	1.289	1.237	1.288	1.257	1.259	1.206	1.259	2.82
106) T 3,3'-Dichlorob		0.393	0.408	0.432	0.473	0.482	0.515	0.533	0.532	0.519	0.477	11.34
107) T Chrysene	1.267	1.202	1.216	1.209	1.265	1.246	1.216	1.201	1.141	1.123	1.209	3.90
108) T Bis(2-ethylhex		0.639	0.667	0.715	0.802	0.812	0.824	0.810	0.795	0.762	0.759	9.03
109) T Di-n-octylphth				1.163	1.345	1.404	1.473	1.475	1.433	1.368	1.380	7.81
110) T Benzo(b) fluora	1.249	1.227	1.287	1.270	1.289	1.398	1.503	1.488	1.375	1.397	1.348	7.29
111) T Benzo(k) fluora	1.190	1.163	1.178	1.205	1.244	1.173	1.160	1.133	1.193	1.123	1.176	2.99
112) T Benzo(a) pyrene		1.098	1.127	1.132	1.221	1.239	1.269	1.237	1.239	1.221	1.198	5.14
113) I IS1_Perylene-d12	-----ISTD-----											
114) T Indeno(1,2,3-c		1.044	1.003	1.109	1.163	1.181	1.257	1.296	1.356	1.284	1.188	10.11
115) T Dibenzo(a,h) an	0.879	0.981	0.970	0.976	1.044	1.109	1.138	1.139	1.143	1.111	1.049	8.83
116) T Benzo(ghi) pery	1.113	1.084	1.111	1.109	1.146	1.194	1.226	1.222	1.232	1.201	1.164	4.90



# Initial Calibration Summary

## Form 6

### Semivolatiles

**Client** : Langan Engineering & Environmental      **Lab Number** : L2051957  
**Project Name** : 266-270 W. 96TH STREET      **Project Number** : 170432001  
**Instrument ID** : BUFFY      **Ical Ref** : ICAL17377  
**Calibration dates** : 11/20/20 17:33      11/21/20 05:45

Calibration Files

1.0 =AP9L1.D    2.0 =AP9L2.D    3.0 =AP9L3.D    5.0 =AP9L4.D    10 =AP9L5.D    20 =AP9L6.D    50 =AP9L7.D  
 100 =AP9L8.D    150 =AP9L9.D    200 =AP9L10.D

Compound	1.0	2.0	3.0	5.0	10	20	50	100	150	200	Avg	%RSD
1) I IS1_1,4-Dichlorobenzene-d4	-----ISTD-----											
2) t N-Nitrosodimethylamine	0.907	0.715	0.692	0.694	0.707	0.675	0.666	0.655	0.645	0.627	0.698	11.21
3) t Pyridine	1.747	1.339	1.159	1.273	1.296	1.247	1.223	1.206	1.188	1.177	1.285	13.35
4) S 2-Fluorophenol	1.407	1.165	1.076	1.137	1.130	1.110	1.118	1.090	1.083	1.038	1.135	8.98
5) T Aniline	2.193	2.033	1.760	1.854	1.789	1.794	1.745	1.736	1.689	1.582	1.818	9.65
6) t 2-Chlorophenol	1.521	1.361	1.226	1.366	1.311	1.296	1.282	1.266	1.248	1.196	1.307	7.06
7) S Phenol-d6	1.550	1.437	1.306	1.371	1.388	1.343	1.334	1.331	1.312	1.240	1.361	6.20
8) T Phenol	1.825	1.678	1.527	1.513	1.561	1.520	1.513	1.494	1.470	1.380	1.548	7.91
9) T bis(2-Chloroethyl)ether	1.264	1.197	1.040	1.100	1.059	1.037	1.002	0.990	0.970	0.925	1.058	9.84
10) T 1,3-Dichlorobenzene	1.931	1.747	1.578	1.633	1.572	1.496	1.470	1.436	1.412	1.341	1.562	11.22
11) T 1,4-Dichlorobenzene	2.045	1.684	1.536	1.583	1.569	1.518	1.467	1.450	1.417	1.368	1.564	12.27
12) T 1,2-Dichlorobenzene	1.947	1.740	1.544	1.537	1.492	1.483	1.431	1.393	1.359	1.287	1.521	12.74
13) t Benzyl alcohol	1.044	0.996	0.897	0.942	0.953	0.945	0.945	0.967	0.950	0.903	0.954	4.45
14) T bis(2-chloroisopropyl)ether	2.244	1.911	1.694	1.742	1.743	1.687	1.672	1.624	1.579	1.433	1.733	12.55
15) T 2-Methylphenol	1.297	1.198	1.044	1.107	1.158	1.093	1.084	1.090	1.079	1.033	1.118	7.12
16) T Hexachloroethane	0.786	0.659	0.573	0.595	0.581	0.579	0.556	0.552	0.548	0.524	0.595	12.79
17) T n-Nitrosodi-n-propylamine	1.081	0.867	0.838	0.796	0.821	0.797	0.794	0.806	0.812	0.751	0.836	10.91
18) T 3-Methylphenol/4-Methylphenol	1.301	1.237	1.141	1.146	1.187	1.149	1.154	1.170	1.150	1.097	1.173	4.90
19) S Nitrobenzene-d5	1.491	1.392	1.174	1.249	1.248	1.193	1.202	1.221	1.208	1.160	1.254	8.42
20) T Nitrobenzene	1.422	1.307	1.174	1.188	1.200	1.178	1.162	1.162	1.146	1.097	1.203	7.76
21) T Isophorone	2.645	2.369	2.222	2.277	2.329	2.186	2.176	2.205	2.203	2.103	2.271	6.70
22) T 2-Nitrophenol			0.579	0.626	0.665	0.648	0.658	0.692	0.696	0.667	0.654	5.79
23) T 2,4-Dimethylphenol	1.444	1.285	1.140	1.223	1.278	1.205	1.223	1.254	1.250	1.206	1.251	6.37
24) T bis(2-Chloroethoxy)methane	1.867	1.607	1.436	1.490	1.491	1.405	1.366	1.405	1.386	1.299	1.475	10.93
25) T 2,4-Dichlorophenol	1.242	1.207	1.092	1.151	1.192	1.130	1.140	1.164	1.159	1.124	1.160	3.76
26) T 1,2,4-Trichlorobenzene	1.701	1.416	1.340	1.350	1.301	1.274	1.261	1.263	1.251	1.218	1.337	10.48
27) I IS2_1,4-Dichlorobenzene-d4	-----ISTD-----											
28) T Benzaldehyde				1.068	1.043	1.025	0.999	0.977	0.957	1.032	1.014	3.85
29) T Acetophenone			1.726	1.735	1.763	1.723	1.648	1.627	1.578	1.690	1.686	3.74
30) T m-Toluidine		1.729	1.644	1.687	1.717	1.747	1.666	1.658	1.606	1.729	1.687	2.78
31) T 2-Chloroaniline		1.578	1.531	1.602	1.615	1.600	1.538	1.530	1.480	1.589	1.563	2.87
32) I IS3_1,4-Dichlorobenzene-d4	-----ISTD-----											
33) T 1,4-Dioxane	0.682	0.554	0.488	0.438	0.401	0.388	0.380	0.449	0.424	0.414	*L	0.9975
34) T n-Decane	1.514	1.250	1.200	1.190	1.137	1.084	1.019	1.193	1.115	1.072	1.177	11.67
35) I IS1_Naphthalene-d8	-----ISTD-----											
36) T Naphthalene	1.363	1.214	1.102	1.063	1.079	1.032	0.987	0.945	0.913	0.847	1.054	14.25



# Initial Calibration Summary

## Form 6

### Semivolatiles

**Client** : Langan Engineering & Environmental      **Lab Number** : L2051957  
**Project Name** : 266-270 W. 96TH STREET      **Project Number** : 170432001  
**Instrument ID** : BUFFY      **Ical Ref** : ICAL17377  
**Calibration dates** : 11/20/20 17:33      11/21/20 05:45

Calibration Files

1.0 =AP9L1.D    2.0 =AP9L2.D    3.0 =AP9L3.D    5.0 =AP9L4.D    10 =AP9L5.D    20 =AP9L6.D    50 =AP9L7.D  
 100 =AP9L8.D    150 =AP9L9.D    200 =AP9L10.D

Compound	1.0	2.0	3.0	5.0	10	20	50	100	150	200	Avg	%RSD
37) T Benzoic Acid					0.217	0.228	0.253	0.273	0.276	0.265	0.252	9.69
38) T 4-Chloroaniline	0.138	0.122	0.114	0.114	0.119	0.118	0.113	0.113	0.111	0.106	0.117	7.33
39) T Hexachlorobutadiene	0.270	0.236	0.220	0.208	0.210	0.198	0.195	0.192	0.192	0.190	0.211	12.04
40) T p-Chloro-m-cresol	0.315	0.294	0.281	0.274	0.295	0.294	0.286	0.288	0.286	0.273	0.289	4.24
41) T 2-Methylnaphthalene	0.910	0.812	0.769	0.733	0.751	0.710	0.685	0.682	0.666	0.627	0.734	11.15
42) T 1-Methylnaphthalene	0.284	0.254	0.231	0.231	0.232	0.223	0.215	0.215	0.214	0.205	0.230	10.13
43) T Hexachlorocyclopentadiene			0.248	0.257	0.264	0.261	0.259	0.273	0.273	0.268	0.263	3.21
44) T 2,4,6-Trichlorophenol		0.222	0.209	0.230	0.238	0.230	0.232	0.246	0.240	0.230	0.231	4.65
45) T 2,4,5-Trichlorophenol		0.258	0.255	0.247	0.273	0.260	0.254	0.250	0.258	0.252	0.256	2.89
46) S 2-Fluorobiphenyl	1.131	0.969	0.881	0.870	0.868	0.824	0.791	0.781	0.768	0.722	0.861	13.73
47) T 2-Chloronaphthalene	0.882	0.789	0.719	0.717	0.724	0.694	0.666	0.656	0.642	0.607	0.710	11.16
48) T 2-Nitroaniline				0.217	0.235	0.230	0.236	0.237	0.239	0.226	0.232	3.40
49) T 1,4-Dinitrobenzene				0.090	0.103	0.102	0.102	0.106	0.108	0.103	0.102	5.44
50) T 1,3-Dinitrobenzene		0.101	0.092	0.112	0.122	0.116	0.116	0.118	0.121	0.116	0.113	8.88
51) T Dimethyl phthalate	1.143	0.968	0.874	0.872	0.912	0.838	0.811	0.793	0.794	0.728	0.873	13.34
52) T Acenaphthylene	1.532	1.369	1.256	1.245	1.281	1.211	1.172	1.124	1.099	1.009	1.230	11.97
53) T 2,6-Dinitrotoluene		0.171	0.175	0.168	0.183	0.178	0.179	0.177	0.180	0.170	0.176	2.91
54) T 1,2-Dinitrobenzene				0.070	0.072	0.071	0.071	0.071	0.071	0.069	0.071	1.17
55) I IS2_Naphthalene-d8	-----ISTD-----											
56) T a-Terpineol		0.250	0.249	0.246	0.247	0.250	0.244	0.234	0.226	0.237	0.243	3.47
57) T 3-Chloroaniline		0.133	0.121	0.127	0.118	0.127	0.121	0.118	0.116	0.125	0.123	4.41
58) T 2,6-Dichlorophenol		0.254	0.255	0.270	0.280	0.288	0.286	0.279	0.275	0.295	0.276	5.14
59) T 1-chloro-2-nitrobenzene		0.130	0.140	0.130	0.134	0.136	0.132	0.127	0.126	0.137	0.132	3.47
60) T Caprolactam			0.119	0.125	0.136	0.142	0.145	0.145	0.143	0.155	0.139	8.32
61) T 1,2,4,5-Tetrachlorobenzene		0.369	0.375	0.371	0.366	0.361	0.351	0.338	0.334	0.353	0.358	4.10
62) T Biphenyl		0.944	0.895	0.878	0.905	0.876	0.835	0.800	0.765	0.809	0.857	6.73
63) I IS1_Acenaphthene-d10	-----ISTD-----											
64) T 3-Nitroaniline				0.347	0.366	0.363	0.363	0.354	0.351	0.337	0.354	2.99
65) T Acenaphthene	1.549	1.412	1.307	1.279	1.268	1.191	1.141	1.106	1.079	1.030	1.236	12.98
66) T 2,4-Dinitrophenol				0.143	0.164	0.177	0.192	0.200	0.205	0.199	0.183	12.56
67) T Dibenzofuran		2.106	1.957	1.898	1.930	1.839	1.775	1.671	1.602	1.512	1.810	10.42
68) T 2,4-Dinitrotoluene		0.418	0.358	0.396	0.431	0.416	0.427	0.418	0.406	0.392	0.407	5.51
69) T 4-Nitrophenol			0.215	0.220	0.241	0.242	0.246	0.242	0.239	0.232	0.235	4.83
70) T 2,3,5,6-Tetrachlorophenol		0.385	0.346	0.370	0.391	0.389	0.385	0.391	0.387	0.377	0.380	3.87
71) T 2,3,4,6-Tetrachlorophenol		0.412	0.362	0.390	0.401	0.386	0.385	0.381	0.377	0.368	0.385	4.03
72) T Diethyl phthalate	1.997	1.756	1.574	1.607	1.652	1.564	1.501	1.456	1.414	1.308	1.583	12.17



# Initial Calibration Summary

## Form 6

### Semivolatiles

**Client** : Langan Engineering & Environmental      **Lab Number** : L2051957  
**Project Name** : 266-270 W. 96TH STREET      **Project Number** : 170432001  
**Instrument ID** : BUFFY      **Ical Ref** : ICAL17377  
**Calibration dates** : 11/20/20 17:33      11/21/20 05:45

Calibration Files

1.0 =AP9L1.D    2.0 =AP9L2.D    3.0 =AP9L3.D    5.0 =AP9L4.D    10 =AP9L5.D    20 =AP9L6.D    50 =AP9L7.D  
 100 =AP9L8.D    150 =AP9L9.D    200 =AP9L10.D

Compound	1.0	2.0	3.0	5.0	10	20	50	100	150	200	Avg	%RSD
73) T Fluorene	1.835	1.635	1.499	1.502	1.552	1.486	1.413	1.373	1.333	1.243	1.487	11.18
74) T 4-Chlorophenyl-phenylether	0.951	0.772	0.755	0.735	0.730	0.689	0.663	0.649	0.642	0.607	0.719	13.58
75) T 4-Nitroaniline			0.342	0.363	0.377	0.387	0.380	0.349	0.347	0.328	0.359	5.80
76) T 4,6-Dinitro-o-cresol				0.183	0.223	0.223	0.240	0.236	0.240	0.231	0.225	8.85
77) T NDPA/DPA	1.542	1.415	1.279	1.298	1.337	1.285	1.233	1.181	1.141	1.083	1.279	10.46
78) T Azobenzene	1.575	1.348	1.251	1.267	1.297	1.240	1.185	1.130	1.090	1.017	1.240	12.48
79) S 2,4,6-Tribromophenol	0.296	0.254	0.234	0.260	0.263	0.263	0.266	0.269	0.273	0.267	0.264	5.80
80) T 4-Bromophenyl-phenylether	0.602	0.500	0.449	0.459	0.474	0.443	0.420	0.425	0.422	0.406	0.460	12.42
81) T Hexachlorobenzene	0.711	0.611	0.566	0.555	0.557	0.535	0.517	0.511	0.505	0.497	0.557	11.56
82) T Pentachlorophenol			0.243	0.270	0.307	0.313	0.331	0.329	0.333	0.323	0.306	10.64
83) I IS2_Acenaphthene-d10	-----ISTD-----											
84) T Dichloran				0.153	0.168	0.181	0.196	0.195	0.189	0.214	0.185	10.82
85) T Pentachloronitrobenzene			0.162	0.180	0.183	0.186	0.186	0.185	0.178	0.200	0.182	5.80
86) I IS3_Acenaphthene-d10	-----ISTD-----											
87) T Atrazine			0.312	0.304	0.310	0.322	0.320	0.400	0.402	0.392	0.345	12.76
88) I IS1_Phenanthrene-d10	-----ISTD-----											
89) T Phenanthrene		1.332	1.151	1.163	1.154	1.096	1.045	0.982	0.957	0.905	1.087	12.06
90) T Anthracene	1.492	1.263	1.107	1.169	1.175	1.124	1.080	1.031	0.987	0.926	1.135	13.98
91) T Carbazole	1.284	1.114	1.037	1.079	1.087	1.051	1.024	0.964	0.930	0.892	1.046	10.48
92) T Di-n-butylphthalate	1.503	1.291	1.178	1.260	1.315	1.281	1.262	1.195	1.164	1.062	1.251	9.31
93) T Fluoranthene	1.698	1.452	1.287	1.329	1.353	1.279	1.279	1.189	1.171	1.094	1.313	12.85
94) T Benzidine		0.746	0.715	0.786	0.845	0.890	0.927	0.870	0.868	0.819	0.830	8.39
95) T Pyrene	1.839	1.508	1.402	1.421	1.417	1.357	1.332	1.228	1.210	1.120	1.384	14.33
96) S 4-Terphenyl-d14	1.294	1.112	1.017	1.033	1.024	1.002	0.991	0.931	0.919	0.879	1.020	11.46
97) T Butyl benzyl phthalate			0.503	0.550	0.582	0.603	0.580	0.580	0.590	0.552	0.566	5.96
98) I IS2_Phenanthrene-d10	-----ISTD-----											
99) T Diphenamid			0.470	0.476	0.483	0.505	0.503	0.484	0.464	0.488	0.484	3.00
100) I IS3_Phenanthrene-d10	-----ISTD-----											
101) T n-Octadecane	0.378	0.352	0.338	0.329	0.343	0.334	0.319	0.374	0.363	0.340	0.347	5.61
102) T Parathion				0.072	0.081	0.089	0.097	0.135	0.132	0.130	*L	0.9925
103) T 3,3'-Dimethylbenzidine			0.474	0.477	0.567	0.610	0.636	0.854	0.826	0.804	*L	0.9935
104) I IS1_Chrysene-d12	-----ISTD-----											
105) T Benzo[a]anthracene	1.737	1.365	1.272	1.296	1.292	1.255	1.203	1.165	1.148	1.096	1.283	13.94
106) T 3,3'-Dichlorobenzidine	0.485	0.444	0.422	0.468	0.492	0.506	0.508	0.497	0.495	0.473	0.479	5.85
107) T Chrysene		1.468	1.297	1.285	1.247	1.205	1.157	1.074	1.048	0.996	1.197	12.28
108) T bis(2-Ethylhexyl)phthalate		0.701	0.692	0.766	0.827	0.840	0.815	0.814	0.804	0.751	0.779	6.99



# Initial Calibration Summary

## Form 6

### Semivolatiles

<b>Client</b> : Langan Engineering & Environmental	<b>Lab Number</b> : L2051957
<b>Project Name</b> : 266-270 W. 96TH STREET	<b>Project Number</b> : 170432001
<b>Instrument ID</b> : BUFFY	<b>Ical Ref</b> : ICAL17377
<b>Calibration dates</b> : 11/20/20 17:33 11/21/20 05:45	

Calibration Files

1.0 =AP9L1.D 2.0 =AP9L2.D 3.0 =AP9L3.D 5.0 =AP9L4.D 10 =AP9L5.D 20 =AP9L6.D 50 =AP9L7.D  
 100 =AP9L8.D 150 =AP9L9.D 200 =AP9L10.D

Compound	1.0	2.0	3.0	5.0	10	20	50	100	150	200	Avg	%RSD
109) T Di-n-octylphthalate				1.115	1.291	1.374	1.445	1.406	1.406	1.299	1.334	8.40
110) T Benzo(b)fluoranthene	1.529	1.328	1.238	1.252	1.346	1.299	1.321	1.228	1.284	1.170	1.299	7.44
111) T Benzo(k)fluoranthene	1.484	1.370	1.175	1.250	1.217	1.265	1.245	1.101	1.060	1.017	1.218	11.57
112) T Benzo(a)pyrene	1.216	1.143	1.021	1.069	1.112	1.150	1.177	1.061	1.072	1.002	1.102	6.26
113) I IS1_Perylene-d12	-----ISTD-----											
114) T Indeno(1,2,3-cd)pyrene	1.125	1.046	0.975	1.046	1.099	1.117	1.153	1.148	1.159	1.119	1.099	5.36
115) T Dibenzo[a,h]anthracene	1.215	1.137	1.043	1.098	1.138	1.151	1.159	1.110	1.116	1.071	1.124	4.30
116) T Benzo(g,h,i)perylene	1.330	1.183	1.107	1.152	1.182	1.187	1.209	1.159	1.143	1.101	1.175	5.47



Response Factor Report GCMS5

Method Path : i:\8270\gcms5\200401nical\  
 Method File : FS200401gcms5.m  
 Title : Semivolatiles by GC/MS by modified 8270  
 Last Update : Thu Apr 02 12:31:18 2020  
 Response Via : Initial Calibration

Calibration Files

1.0 =AP9L1.d 2.0 =ABNL2.d 3.0 =AP9L3.d 5.0 =AP9L4.d 10 =AP9L5.d 20 =AP9L6.d 50 =AP9L6.d  
 100 =AP9L8.d 150 =AP9L9.d 200 =AP9L10.d

Compound		1.0	2.0	3.0	5.0	10	20	50	100	150	200	Avg	
-----													
1) I	IS1_1,4-Dichlorobenzene-d4	-----ISTD-----											
2) t	n-Nitrosodimet...	0.581	0.560	0.711	0.700	0.714	0.736	0.723	0.743	0.760	0.826	0.705	11.28
3) t	Pyridine	1.065	1.022	1.281	1.166	1.193	1.309	1.316	1.295	1.314	1.429	1.239	10.14
4) S	2-Fluorophenol	0.903	1.026	0.994	1.111	1.086	1.133	1.161	1.186	1.221	1.196	1.102	9.18
5) T	Aniline	1.669	1.673	1.736	1.818	1.790	1.857	1.806	1.864	1.843	1.814	1.787	3.98
6) t	2-Chlorophenol	1.223	1.105	1.331	1.278	1.277	1.332	1.311	1.323	1.326	1.310	1.282	5.52
7) S	Phenol-d6	1.286	1.313	1.349	1.330	1.346	1.388	1.369	1.430	1.433	1.415	1.366	3.68
8) T	Phenol	1.506	1.643	1.542	1.650	1.609	1.673	1.665	1.711	1.708	1.682	1.639	4.15
9) T	Bis(2-chloroet...	1.030	1.107	1.049	1.057	1.063	1.072	1.053	1.044	1.050	1.021	1.055	2.25
10) T	1,3-Dichlorobe...	1.334	1.521	1.555	1.456	1.526	1.523	1.514	1.538	1.522	1.495	1.498	4.25
11) T	1,4-Dichlorobe...	1.627	1.516	1.568	1.534	1.505	1.593	1.547	1.545	1.547	1.518	1.550	2.41
12) T	1,2-Dichlorobe...	1.519	1.471	1.505	1.512	1.562	1.475	1.485	1.474	1.426	1.492	2.56	
13) t	Benzyl alcohol	0.810	0.869	0.915	0.910	0.917	0.949	0.964	0.995	0.980	0.972	0.928	6.12
14) T	Bis(2-chlorois...	1.986	1.855	2.168	2.021	1.964	2.055	1.944	1.979	1.931	1.871	1.977	4.59
15) T	2-Methylphenol	1.027	1.048	1.064	1.026	1.080	1.161	1.122	1.149	1.132	1.147	1.095	4.79



Response Factor Report GCMS5

Method Path : i:\8270\gcms5\200401nical\  
 Method File : FS200401gcms5.m  
 Title : Semivolatiles by GC/MS by modified 8270  
 Last Update : Thu Apr 02 12:31:18 2020  
 Response Via : Initial Calibration

Calibration Files

1.0 =AP9L1.d 2.0 =ABNL2.d 3.0 =AP9L3.d 5.0 =AP9L4.d 10 =AP9L5.d 20 =AP9L6.d 50 =AP9L6.d  
 100 =AP9L8.d 150 =AP9L9.d 200 =AP9L10.d

Compound		1.0	2.0	3.0	5.0	10	20	50	100	150	200	Avg	
%RSD		-----											
16) T	Hexachloroethane	0.650	0.622	0.566	0.599	0.611	0.618	0.587	0.588	0.592	0.594	0.603	3.87
17) T	n-Nitrosodi-n-...	0.700	0.752	0.792	0.845	0.796	0.896	0.841	0.861	0.861	0.850	0.819	7.21
18) T	3-Methylphenol...	1.169	1.105	1.180	1.133	1.168	1.235	1.181	1.198	1.211	1.193	1.177	3.16
19) S	Nitrobenzene-d5	1.210	1.153	1.183	1.161	1.231	1.299	1.263	1.304	1.279	1.269	1.235	4.53
20) T	Nitrobenzene	1.283	1.225	1.159	1.177	1.249	1.329	1.256	1.274	1.256	1.256	1.247	3.97
21) T	Isophorone	2.051	2.052	2.035	2.087	2.141	2.325	2.253	2.204	2.240	2.236	2.162	4.75
22) T	2-Nitrophenol				0.671	0.674	0.731	0.725	0.716	0.748	0.734	0.714	4.18
23) T	2,4-Dimethylph...	0.952	1.131	1.095	1.249	1.158	1.209	1.155	1.154	1.204	1.184	1.149	7.12
24) T	Bis(2-chloroet...	1.353	1.477	1.411	1.433	1.445	1.501	1.371	1.378	1.396	1.385	1.415	3.41
25) T	2,4-Dichloroph...	1.140	1.131	1.127	1.214	1.236	1.296	1.224	1.222	1.266	1.244	1.210	4.83
26) T	1,2,4-Trichlor...	1.560	1.459	1.389	1.426	1.411	1.499	1.361	1.366	1.404	1.376	1.425	4.48
27) I	IS2_1,4-Dichlorobenzene-d4	-----ISTD-----											
28) T	Benzaldehyde	0.953	1.062	1.068	1.065	1.044	1.045	1.060	1.030	1.026	1.039		3.43
29) T	Acetophenone	1.690	1.592	1.740	1.787	1.758	1.767	1.763	1.699	1.679	1.720		3.55
30) T	m-Toluidine	1.672	1.728	1.802	1.863	1.795	1.834	1.824	1.738	1.717	1.775		3.57

Response Factor Report GCMS5

Method Path : i:\8270\gcms5\200401nical\  
 Method File : FS200401gcms5.m  
 Title : Semivolatiles by GC/MS by modified 8270  
 Last Update : Thu Apr 02 12:31:18 2020  
 Response Via : Initial Calibration

Calibration Files

1.0 =AP9L1.d 2.0 =ABNL2.d 3.0 =AP9L3.d 5.0 =AP9L4.d 10 =AP9L5.d 20 =AP9L6.d 50 =AP9L6.d  
 100 =AP9L8.d 150 =AP9L9.d 200 =AP9L10.d

Compound		1.0	2.0	3.0	5.0	10	20	50	100	150	200	Avg		
31) T	2-Chloroaniline	1.502	1.683	1.700	1.711	1.673	1.655	1.643	1.577	1.571	1.635	4.30		
32) I	IS3_1,4-Dichlorobenzene-d4	-----ISTD-----												
33) T	1,4-Dioxane	0.439	0.496	0.496	0.491	0.460	0.508	0.477	0.492	0.459	0.471	0.479	4.49	
34) T	n-Decane	1.264	1.219	1.219	1.347	1.357	1.472	1.395	1.263	1.181	1.328	1.305	6.98	
35) I	IS1_Naphthalene-d8	-----ISTD-----												
36) T	Naphthalene	1.035	1.054	1.017	1.051	1.036	1.031	1.025	0.985	0.961	1.022	2.99		
37) T	Benzoic Acid				0.129	0.177	0.255	0.280	0.293	0.286	*L	0.99		
91	38) T	4-Chloroaniline	0.120	0.123	0.132	0.120	0.128	0.125	0.129	0.130	0.131	0.127	0.126	3.36
39) T	Hexachlorobuta...	0.206	0.206	0.216	0.199	0.225	0.221	0.224	0.228	0.229	0.222	0.218	4.77	
40) T	p-Chloro-m-cresol	0.245	0.271	0.263	0.281	0.313	0.288	0.314	0.325	0.319	0.320	0.294	9.59	
41) T	2-Methylnaphth...	0.697	0.709	0.726	0.728	0.746	0.727	0.734	0.754	0.728	0.715	0.726	2.30	
42) T	1-Methylnaphth...	0.246	0.192	0.238	0.220	0.237	0.229	0.233	0.239	0.238	0.239	0.231	6.59	
43) T	Hexachlorocycl...			0.270	0.296	0.290	0.306	0.321	0.322	0.319	0.304	6.41		
44) T	2,4,6-Trichlor...	0.222	0.233	0.233	0.270	0.260	0.270	0.275	0.272	0.280	0.257	8.47		
45) T	2,4,5-Trichlor...	0.292	0.247	0.262	0.282	0.275	0.292	0.299	0.297	0.291	0.282	6.25		

Response Factor Report GCMS5

Method Path : i:\8270\gcms5\200401nical\  
 Method File : FS200401gcms5.m  
 Title : Semivolatiles by GC/MS by modified 8270  
 Last Update : Thu Apr 02 12:31:18 2020  
 Response Via : Initial Calibration

Calibration Files

1.0 =AP9L1.d 2.0 =ABNL2.d 3.0 =AP9L3.d 5.0 =AP9L4.d 10 =AP9L5.d 20 =AP9L6.d 50 =AP9L6.d  
 100 =AP9L8.d 150 =AP9L9.d 200 =AP9L10.d

Compound		1.0	2.0	3.0	5.0	10	20	50	100	150	200	Avg	
%RSD		-----											
46) S	2-Fluorobiphenyl	0.773	0.803	0.795	0.792	0.815	0.788	0.805	0.805	0.781	0.776	0.793	1.75
47) T	2-Chloronaphth...	0.728	0.747	0.736	0.735	0.766	0.737	0.747	0.752	0.727	0.733	0.741	1.64
48) T	2-Nitroaniline			0.223	0.243	0.228	0.254	0.263	0.260	0.264	0.248		6.81
49) T	1,4-Dinitroben...			0.093	0.099	0.097	0.112	0.113	0.116	0.116	0.107		9.10
50) T	1,3-Dinitroben...			0.105	0.116	0.112	0.121	0.126	0.128	0.128	0.120		7.44
51) T	Dimethyl phtha...	0.854	0.861	0.845	0.861	0.852	0.865	0.870	0.852	0.853	0.857		0.91
52) T	Acenaphthylene	1.108	1.084	1.117	1.124	1.190	1.127	1.156	1.127	1.114	1.106	1.125	2.60
53) T	2,6-Dinitrotol...	0.153	0.171	0.173	0.187	0.189	0.194	0.196	0.196	0.201	0.184		8.57
54) T	1,2-Dinitroben...			0.074	0.072	0.073	0.074	0.073	0.074	0.075	0.074		1.24
55) I	IS2_Naphthalene-d8	-----ISTD-----											
56) T	a-Terpineol	0.323	0.301	0.321	0.307	0.315	0.331	0.320	0.309	0.304	0.315		3.18
57) T	3-Chloroaniline	0.138	0.134	0.154	0.149	0.150	0.150	0.145	0.144	0.144	0.145		4.27
58) T	2,6-Dichloroph...	0.256	0.287	0.307	0.304	0.312	0.321	0.322	0.315	0.319	0.305		6.98
59) T	1-chloro-2-nit...	0.146	0.134	0.129	0.141	0.146	0.146	0.143	0.142	0.146	0.141		4.34
60) T	Caprolactam			0.155	0.176	0.185	0.195	0.194	0.192	0.191	0.184		7.83

Response Factor Report GCMS5

Method Path : i:\8270\gcms5\200401nical\  
 Method File : FS200401gcms5.m  
 Title : Semivolatiles by GC/MS by modified 8270  
 Last Update : Thu Apr 02 12:31:18 2020  
 Response Via : Initial Calibration

Calibration Files

1.0 =AP9L1.d 2.0 =ABNL2.d 3.0 =AP9L3.d 5.0 =AP9L4.d 10 =AP9L5.d 20 =AP9L6.d 50 =AP9L6.d  
 100 =AP9L8.d 150 =AP9L9.d 200 =AP9L10.d

Compound		1.0	2.0	3.0	5.0	10	20	50	100	150	200	Avg	
-----													
61) T	1,2,4,5-Tetrac...	0.346	0.333	0.374	0.360	0.351	0.365	0.363	0.361	0.367	0.358	3.47	
62) T	Biphenyl	0.789	0.777	0.865	0.847	0.835	0.845	0.806	0.783	0.780	0.814	4.18	
63) I	IS1_Acenaphthene-d10	-----ISTD-----											
64) T	3-Nitroaniline		0.342	0.337	0.369	0.361	0.378	0.379	0.372	0.377	0.364	4.54	
65) T	Acenaphthene	1.128	1.083	1.210	1.162	1.194	1.110	1.128	1.141	1.109	1.110	1.138	3.53
66) T	2,4-Dinitrophenol			0.095	0.170	0.196	0.232	0.244	0.239	0.249	*L	0.99	
95													
67) T	Dibenzofuran	1.744	1.794	1.786	1.844	1.780	1.779	1.796	1.693	1.684	1.766	2.90	
68) T	2,4-Dinitrotol...	0.321	0.388	0.413	0.450	0.422	0.450	0.460	0.453	0.458	0.424	10.78	
69) T	4-Nitrophenol		0.231	0.246	0.271	0.265	0.280	0.285	0.273	0.280	0.266	7.01	
70) T	2,3,5,6-Tetrac...	0.357	0.387	0.377	0.437	0.438	0.458	0.469	0.454	0.464	0.427	9.82	
71) T	2,3,4,6-Tetrac...	0.395	0.388	0.407	0.441	0.436	0.461	0.467	0.452	0.455	0.433	6.80	
72) T	Diethyl phthalate	1.341	1.319	1.378	1.417	1.492	1.460	1.489	1.500	1.442	1.459	1.430	4.50
73) T	Fluorene	1.289	1.353	1.413	1.356	1.447	1.389	1.427	1.462	1.386	1.406	1.393	3.65
74) T	4-Chlorophenyl...	0.584	0.682	0.673	0.658	0.695	0.658	0.678	0.693	0.673	0.679	0.667	4.78
75) T	4-Nitroaniline		0.311	0.347	0.384	0.389	0.396	0.406	0.393	0.378	0.376	8.36	

Response Factor Report GCMS5

Method Path : i:\8270\gcms5\200401nical\  
 Method File : FS200401gcms5.m  
 Title : Semivolatiles by GC/MS by modified 8270  
 Last Update : Thu Apr 02 12:31:18 2020  
 Response Via : Initial Calibration

Calibration Files

1.0 =AP9L1.d 2.0 =ABNL2.d 3.0 =AP9L3.d 5.0 =AP9L4.d 10 =AP9L5.d 20 =AP9L6.d 50 =AP9L6.d  
 100 =AP9L8.d 150 =AP9L9.d 200 =AP9L10.d

Compound		1.0	2.0	3.0	5.0	10	20	50	100	150	200	Avg	
%RSD		-----											
76) T	4,6-Dinitro-o-...			0.194	0.220	0.247	0.286	0.300	0.296	0.309	0.265	16.88	
77) T	NDPA/DPA	1.136	1.093	1.087	1.114	1.210	1.178	1.187	1.198	1.142	1.164	1.151	3.76
78) T	Azobenzene	1.173	1.259	1.207	1.257	1.351	1.278	1.294	1.311	1.233	1.234	1.260	4.11
79) S	2,4,6-Tribromo...	0.190	0.212	0.223	0.239	0.231	0.265	0.277	0.270	0.281	0.243	13.09	
80) T	4-Bromophenyl ...	0.354	0.428	0.395	0.413	0.445	0.437	0.443	0.456	0.454	0.463	0.429	7.78
81) T	Hexachlorobenzene	0.505	0.474	0.459	0.459	0.477	0.502	0.515	0.543	0.537	0.542	0.501	6.56
82) T	Pentachlorophenol		0.211	0.238	0.307	0.306	0.359	0.381	0.381	0.394	*L	0.99	
88													
83) I	IS2_Acenaphthene-d10	-----ISTD-----											
84) T	Dichloran			0.145	0.153	0.173	0.209	0.207	0.213	0.228	0.190	17.19	
85) T	Pentachloronit...			0.159	0.173	0.185	0.190	0.198	0.194	0.212	0.187	9.21	
86) I	IS3_Acenaphthene-d10	-----ISTD-----											
87) T	Atrazine		0.277	0.290	0.303	0.331	0.338	0.349	0.326	0.361	0.322	9.09	
88) I	IS1_Phenanthrene-d10	-----ISTD-----											
89) T	Phenanthrene	1.103	1.085	1.054	1.063	1.097	1.076	1.078	1.055	1.029	0.996	1.064	3.04
90) T	Anthracene	1.038	1.024	1.018	1.022	1.101	1.075	1.105	1.093	1.046	1.014	1.054	3.46

Response Factor Report GCMS5

Method Path : i:\8270\gcms5\200401nical\  
 Method File : FS200401gcms5.m  
 Title : Semivolatiles by GC/MS by modified 8270  
 Last Update : Thu Apr 02 12:31:18 2020  
 Response Via : Initial Calibration

Calibration Files

1.0 =AP9L1.d 2.0 =ABNL2.d 3.0 =AP9L3.d 5.0 =AP9L4.d 10 =AP9L5.d 20 =AP9L6.d 50 =AP9L6.d  
 100 =AP9L8.d 150 =AP9L9.d 200 =AP9L10.d

Compound		1.0	2.0	3.0	5.0	10	20	50	100	150	200	Avg	
-----													
91) T	Carbazole	0.930	1.004	0.970	0.988	1.046	1.022	1.039	1.022	0.984	0.967	0.997	3.64
92) T	Di-n-butylphth...	1.101	1.056	1.083	1.203	1.219	1.240	1.233	1.205	1.148	1.165	6.01	
93) T	Fluoranthene	1.210	1.260	1.240	1.274	1.355	1.332	1.344	1.325	1.293	1.232	1.287	3.97
94) T	Benzidine		0.708	0.732	0.820	0.868	0.903	0.887	0.894	0.868	0.835	9.03	
95) T	Pyrene	1.293	1.347	1.307	1.338	1.398	1.384	1.354	1.320	1.304	1.269	1.331	3.06
96) S	4-Terphenyl-d14	0.746	0.802	0.800	0.806	0.833	0.858	0.899	0.884	0.883	0.873	0.838	5.85
97) T	Butyl benzyl p...			0.478	0.535	0.559	0.599	0.606	0.608	0.588	0.568	8.41	
98) I	IS2_Phenanthrene-d10	-----ISTD-----											
99) T	Diphenamid			0.444	0.448	0.468	0.501	0.505	0.503	0.506	0.482	5.85	
100) I	IS3_Phenanthrene-d10	-----ISTD-----											
101) T	n-Octadecane	0.389	0.390	0.412	0.442	0.467	0.444	0.462	0.407	0.432	0.427	6.82	
102) T	Parathion			0.077	0.085	0.104	0.132	0.138	0.146	0.149	*L	0.99	
77													
103) T	3,3'-Dimethylb...			0.576	0.584	0.663	0.811	0.741	0.816	0.814	0.715	15.00	
104) I	IS1_Chrysene-d12	-----ISTD-----											
105) T	Benzo(a)antra...	1.332	1.252	1.234	1.239	1.289	1.237	1.288	1.257	1.259	1.206	1.259	2.82

Response Factor Report GCMS5

Method Path : i:\8270\gcms5\200401nical\  
 Method File : FS200401gcms5.m  
 Title : Semivolatiles by GC/MS by modified 8270  
 Last Update : Thu Apr 02 12:31:18 2020  
 Response Via : Initial Calibration

Calibration Files

1.0 =AP9L1.d 2.0 =ABNL2.d 3.0 =AP9L3.d 5.0 =AP9L4.d 10 =AP9L5.d 20 =AP9L6.d 50 =AP9L6.d  
 100 =AP9L8.d 150 =AP9L9.d 200 =AP9L10.d

Compound		1.0	2.0	3.0	5.0	10	20	50	100	150	200	Avg	
-----													
106)	T 3,3'-Dichlorob...	0.393	0.408	0.432	0.473	0.482	0.515	0.533	0.532	0.519	0.477	11.34	
107)	T Chrysene	1.267	1.202	1.216	1.209	1.265	1.246	1.216	1.201	1.141	1.123	1.209	3.90
108)	T Bis(2-ethylhex...	0.639	0.667	0.715	0.802	0.812	0.824	0.810	0.795	0.762	0.759	9.03	
109)	T Di-n-octylphth...			1.163	1.345	1.404	1.473	1.475	1.433	1.368	1.380	7.81	
110)	T Benzo(b)fluora...	1.249	1.227	1.287	1.270	1.289	1.398	1.503	1.488	1.375	1.397	1.348	7.29
111)	T Benzo(k)fluora...	1.190	1.163	1.178	1.205	1.244	1.173	1.160	1.133	1.193	1.123	1.176	2.99
112)	T Benzo(a)pyrene	1.098	1.127	1.132	1.221	1.239	1.269	1.237	1.239	1.221	1.198	5.14	
113)	I IS1_Perylene-d12	-----ISTD-----											
114)	T Indeno(1,2,3-c...	1.044	1.003	1.109	1.163	1.181	1.257	1.296	1.356	1.284	1.188	10.11	
115)	T Dibenzo(a,h)an...	0.879	0.981	0.970	0.976	1.044	1.109	1.138	1.139	1.143	1.111	1.049	8.83
116)	T Benzo(ghi)pery...	1.113	1.084	1.111	1.109	1.146	1.194	1.226	1.222	1.232	1.201	1.164	4.90

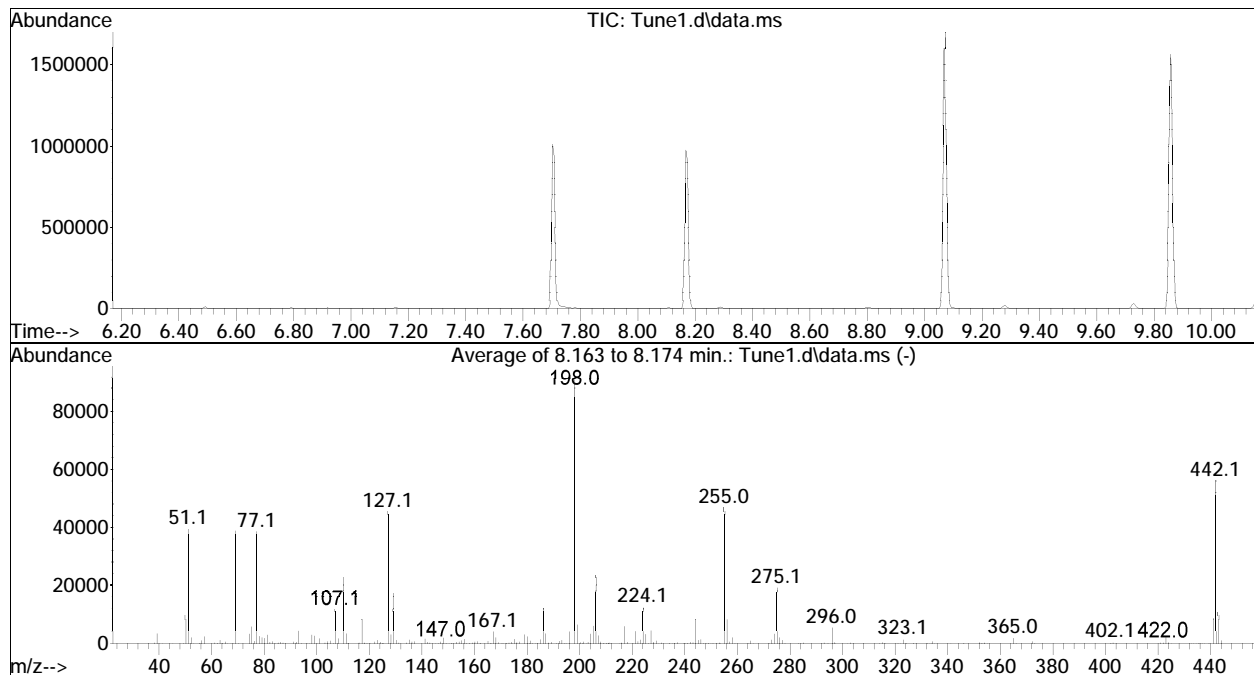
(#) = Out of Range

DFTPP

Data Path : I:\8270\GCMS5\200401nical\  
 Data File : Tune1.d  
 Acq On : 1 Apr 2020 10:18 pm  
 Operator : gcms5:  
 Sample : Tune 1  
 Misc : wgl357700,,  
 ALS Vial : 100 Sample Multiplier: 1

Integration File: rteint.p

Method : i:\8270\gcms5\200401nical\FS200401gcms5.m  
 Title : Semivolatiles by GC/MS by modified 8270  
 Last Update : Thu Apr 02 12:31:18 2020



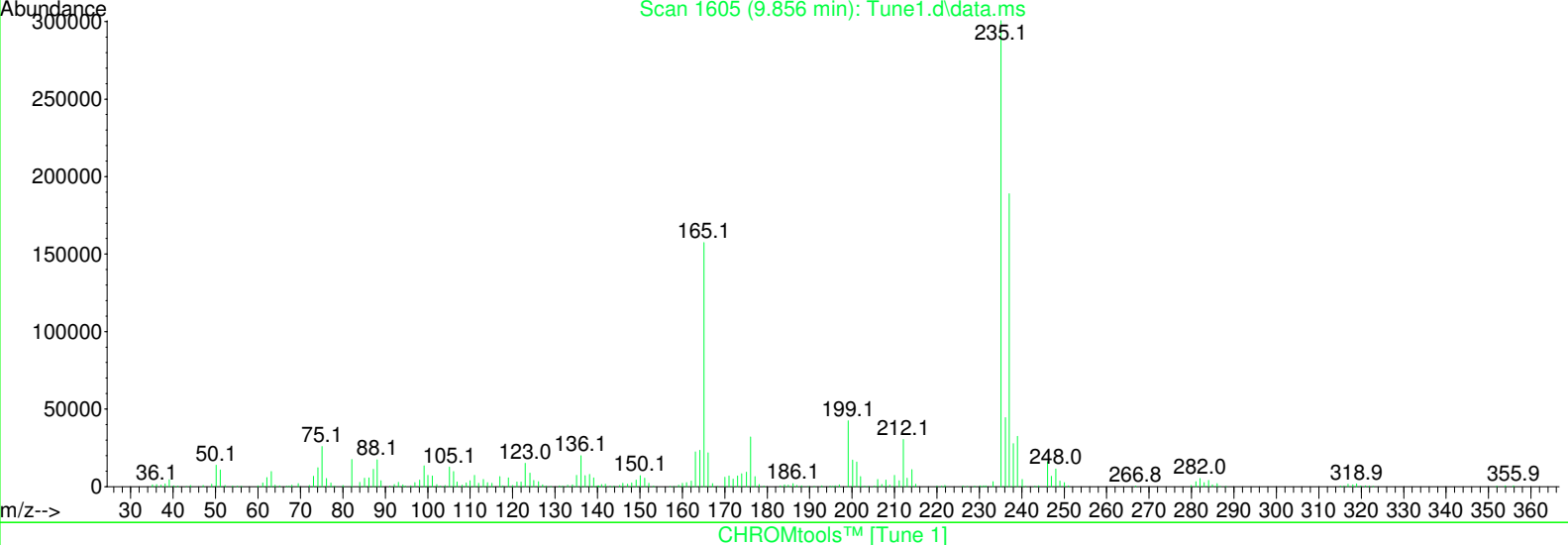
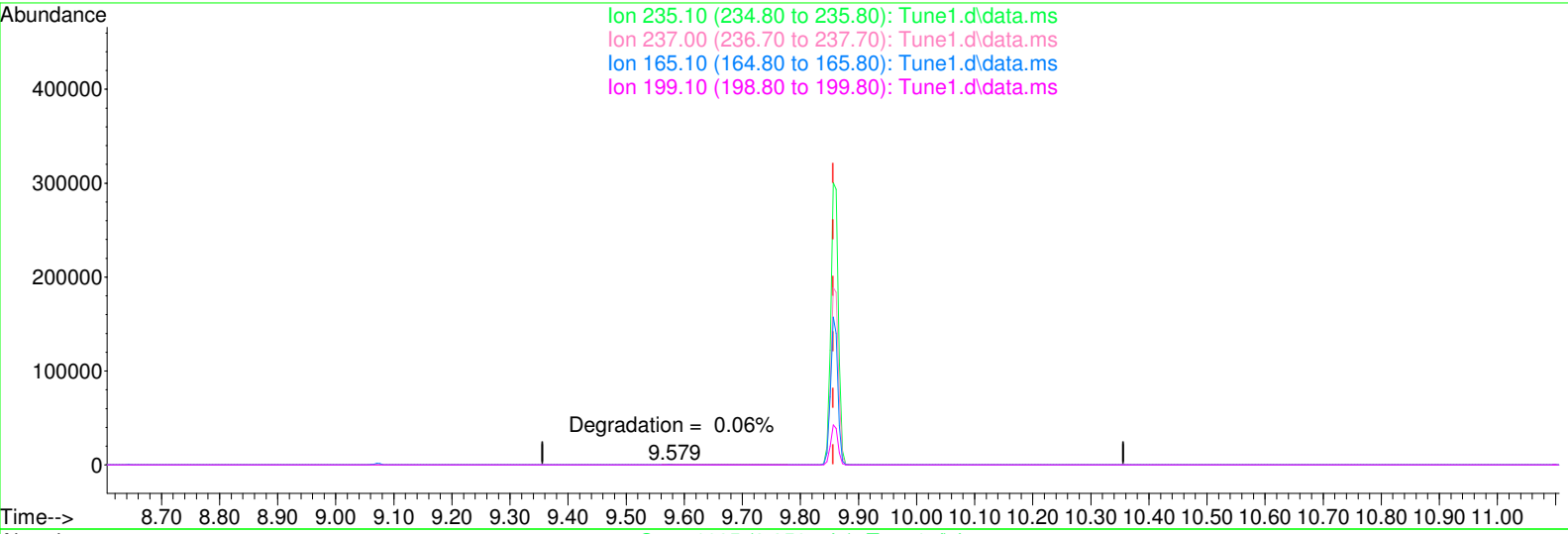
Spectrum Information: Average of 8.163 to 8.174 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	43.2	39243	PASS
68	69	0.00	2	0.3	122	PASS
69	69	100	100	100.0	38741	PASS
70	69	0.00	2	0.2	92	PASS
127	198	10	80	50.1	45525	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	90917	PASS
199	198	5	9	6.8	6188	PASS
275	198	10	60	21.1	19181	PASS
365	198	1	100	2.0	1842	PASS
441	442	0.01	24	15.4	8675	PASS
442	198	50	100	61.8	56196	PASS
443	442	15	24	18.8	10561	PASS



Data Path : I:\8270\GCMS5\200401nical\  
 Data File : Tune1.d  
 Acq On : 1 Apr 2020 10:18 pm  
 Operator : gcms5:  
 Sample : Tune 1  
 Misc : wg1357700,,  
 ALS Vial : 100 Sample Multiplier: 1

Quant Time: Apr 01 22:48:08 2020  
 Quant Method : I:\8270\GCMS5\200401nical\dftppgcms5.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Wed Apr 01 22:48:02 2020  
 Response via : Initial Calibration



(6) ddt (T)

9.856min (+ 0.000) 45.45

response 277069

Ion	Exp%	Act%
235.10	100.00	100.00
237.00	64.70	63.33
165.10	42.10	49.79
199.10	13.20	13.86

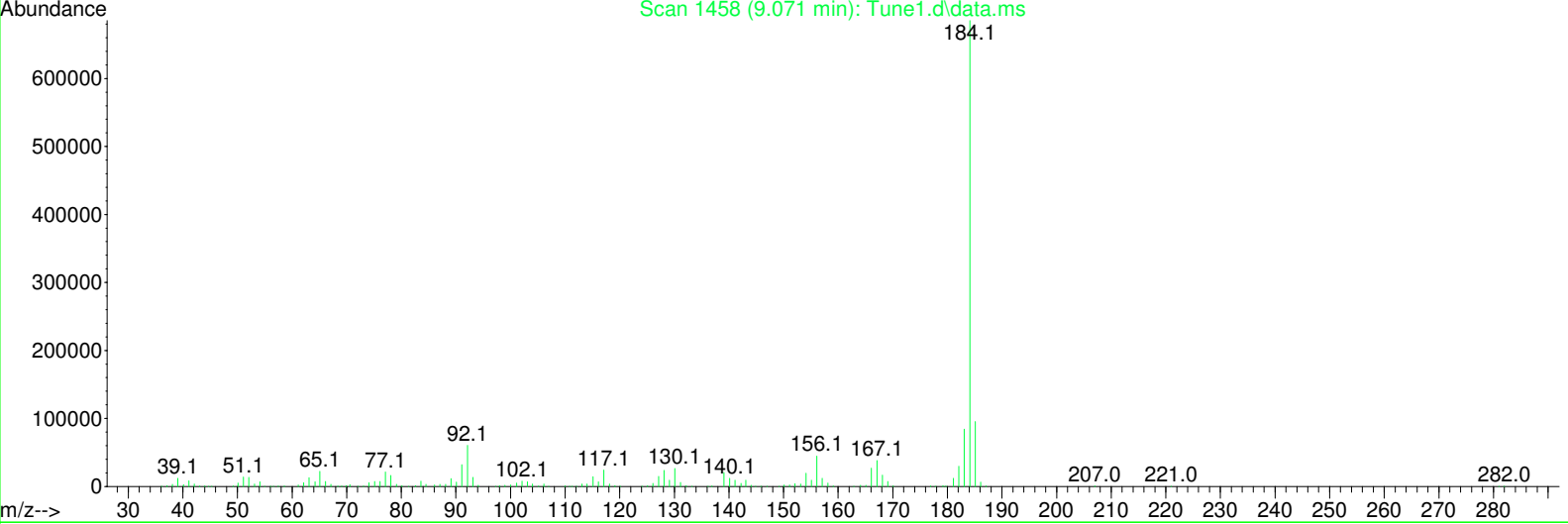
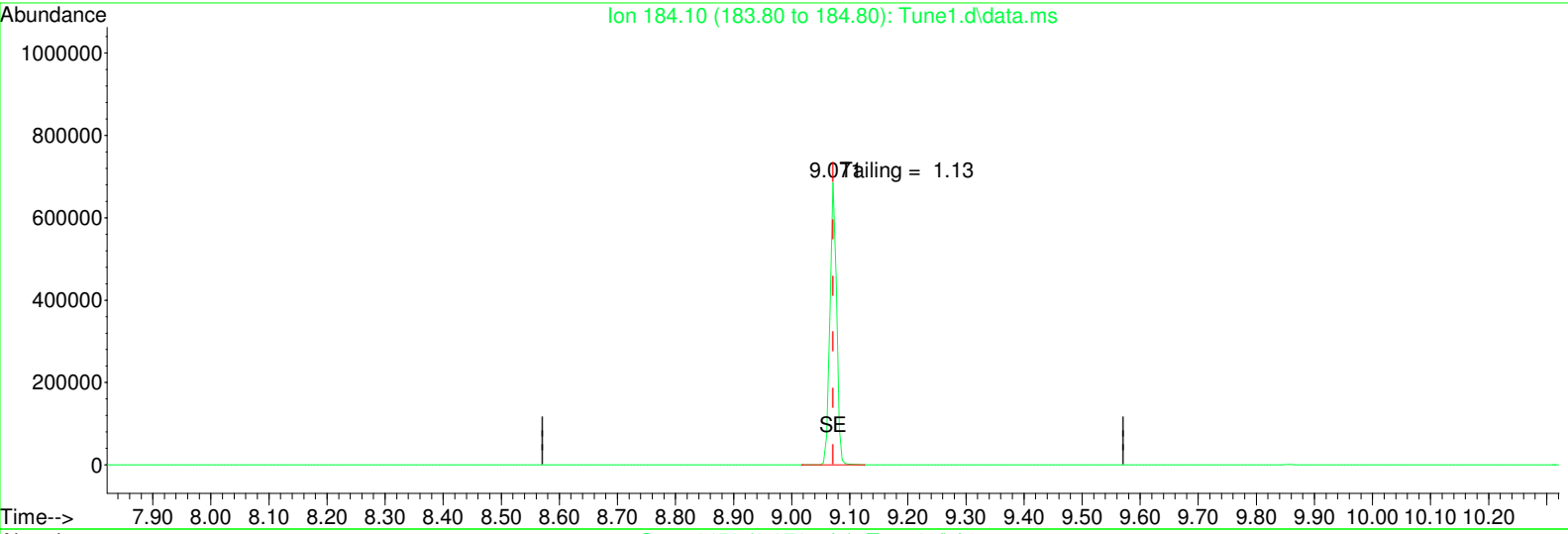
Duplicate Retention Times

(5) DDD 235.00

CHROMtools™ [Tune 1]

Data Path : I:\8270\GCMS5\200401nical\  
 Data File : Tune1.d  
 Acq On : 1 Apr 2020 10:18 pm  
 Operator : gcms5:  
 Sample : Tune 1  
 Misc : wg1357700,,  
 ALS Vial : 100 Sample Multiplier: 1

Quant Time: Apr 01 22:48:08 2020  
 Quant Method : I:\8270\GCMS5\200401nical\dftppgcms5.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Wed Apr 01 22:48:02 2020  
 Response via : Initial Calibration



CHROMtools™ [Tune 1]

(3) benzidine (T)

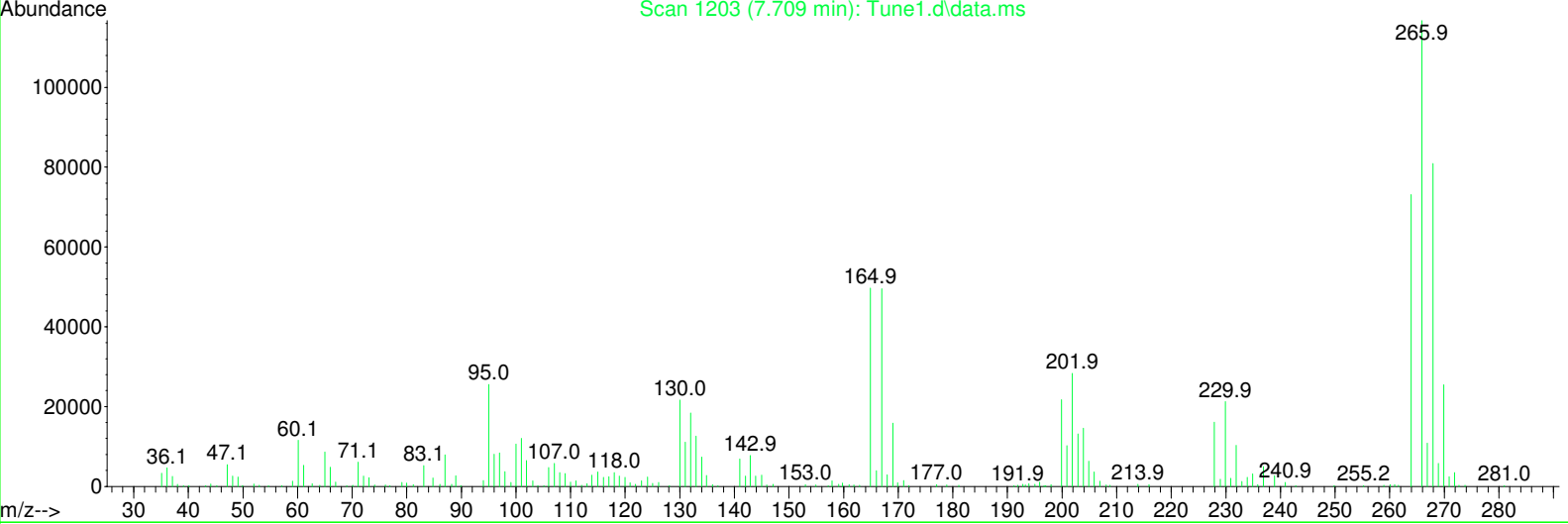
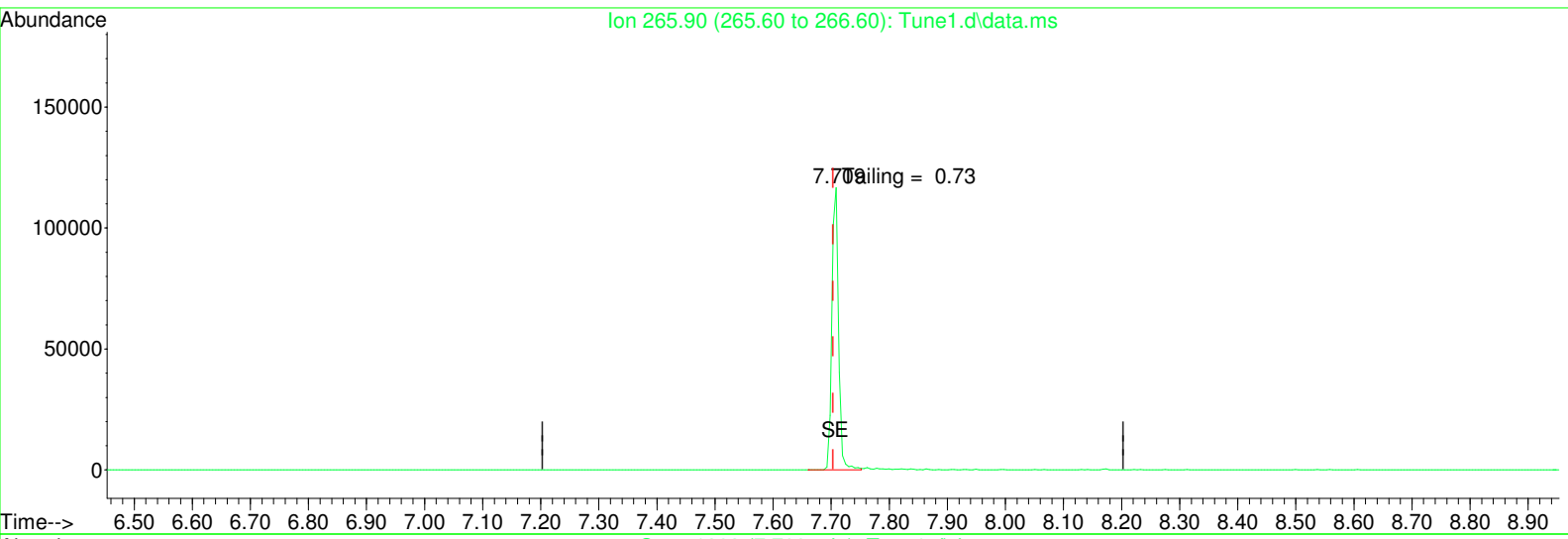
9.071min ( 0.000) 52.94

response 538956

Ion	Exp%	Act%
184.10	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : I:\8270\GCMS5\200401nical\  
 Data File : Tune1.d  
 Acq On : 1 Apr 2020 10:18 pm  
 Operator : gcms5:  
 Sample : Tune 1  
 Misc : wg1357700,,  
 ALS Vial : 100 Sample Multiplier: 1

Quant Time: Apr 01 22:48:08 2020  
 Quant Method : I:\8270\GCMS5\200401nical\dftppgcms5.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Wed Apr 01 22:48:02 2020  
 Response via : Initial Calibration



CHROMtools™ [Tune 1]

(1) pentachlorophenol (T)

7.709min (+ 0.006) 45.28

response 95101

Ion	Exp%	Act%
265.90	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : I:\8270\GCMS5\200401nical\  
 Data File : ABNL10.d  
 Acq On : 1 Apr 2020 10:40 pm  
 Operator : gcms5:ek  
 Sample : IL1,32,,ABNL200 Lot# 8656  
 Misc : wgl357700,,  
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 02 10:33:00 2020  
 Quant Method : i:\8270\gcms5\200401nical\FS200401gcms5.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Thu Apr 02 10:32:46 2020  
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\GCMS5\200401nical\ABNL7.d  
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
<b>Internal Standards</b>						
1) IS1_1,4-Dichlorobenzen...	4.092	152	114649	40.000	ug/ml	# 0.00
Standard Area 1 = 126049			Recovery =	90.96%		
35) IS1_Naphthalene-d8	5.187	136	415773	40.000	ug/ml	0.00
Standard Area 1 = 445038			Recovery =	93.42%		
63) IS1_Acenaphthene-d10	6.635	164	250083	40.000	ug/ml	0.00
Standard Area 1 = 262232			Recovery =	95.37%		
88) IS1_Phenanthrene-d10	7.858	188	534285	40.000	ug/ml	0.00
Standard Area 1 = 543330			Recovery =	98.34%		
104) IS1_Chrysene-d12	10.273	240	572842	40.000	ug/ml	0.00
Standard Area 1 = 576405			Recovery =	99.38%		
113) IS1_Perylene-d12	11.534	264	645258	40.000	ug/ml	0.00
Standard Area 1 = 649115			Recovery =	99.41%		
<b>System Monitoring Compounds</b>						
4) 2-Fluorophenol	2.895	112	685834	231.899	ug/ml	0.00
Spiked Amount 50.000	Range 15 - 110		Recovery =	463.80%#		
7) Phenol-d6	3.803	99	810860	213.114	ug/ml	0.00
Spiked Amount 50.000	Range 15 - 110		Recovery =	426.23%#		
19) Nitrobenzene-d5	4.583	82	727692	205.270	ug/ml	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	821.08%#		
46) 2-Fluorobiphenyl	6.101	172	1613328	196.692	ug/ml	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	786.77%#		
79) 2,4,6-Tribromophenol	7.281	330	351684	212.620	ug/ml	0.00
Spiked Amount 50.000	Range 15 - 110		Recovery =	425.24%#		
96) 4-Terphenyl-d14	9.311	244	2333139	212.400	ug/ml	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	849.60%#		
<b>Target Compounds</b>						
2) n-Nitrosodimethylamine	1.624	74	473232	253.209	ug/ml#	92
3) Pyridine	1.650	79	819283	240.035	ug/ml	84
5) Aniline	3.803	93	1039998	208.807	ug/ml	93
6) 2-Chlorophenol	3.910	128	751206	206.851	ug/ml	98
8) Phenol	3.819	94	963932	212.078	ug/ml	97
9) Bis(2-chloroethyl)ether	3.878	93	585225	196.016	ug/ml#	85
10) 1,3-Dichlorobenzene	4.038	146	856902	209.962	ug/ml	99
11) 1,4-Dichlorobenzene	4.108	146	870393	191.354	ug/ml	99
12) 1,2-Dichlorobenzene	4.241	146	817266	193.375	ug/ml	99
13) Benzyl alcohol	4.236	79	557343	219.254	ug/ml	99
14) Bis(2-chloroisopropyl)...	4.364	45	1072334	190.379	ug/ml#	92

Quantitation Report (QT Reviewed)

Data Path : I:\8270\GCMS5\200401nical\  
 Data File : ABNL10.d  
 Acq On : 1 Apr 2020 10:40 pm  
 Operator : gcms5:ek  
 Sample : IL1,32,,ABNL200 Lot# 8656  
 Misc : wgl357700,,  
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 02 10:33:00 2020  
 Quant Method : i:\8270\gcms5\200401nical\FS200401gcms5.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Thu Apr 02 10:32:46 2020  
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\GCMS5\200401nical\ABNL7.d  
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
15) 2-Methylphenol	4.348	108	657532	213.511	ug/ml	99
16) Hexachloroethane	4.530	117	340256	191.892	ug/ml	85
17) n-Nitrosodi-n-propylamine	4.482	70	487428	220.736	ug/ml#	91
18) 3-Methylphenol/4-Methy...	4.492	108	683796	202.984	ug/ml	98
20) Nitrobenzene	4.599	77	720222	197.953	ug/ml	98
21) Isophorone	4.818	82	1281828	207.818	ug/ml	96
22) 2-Nitrophenol	4.872	139	420690	202.444	ug/ml	95
23) 2,4-Dimethylphenol	4.941	107	678541	224.768	ug/ml	98
24) Bis(2-chloroethoxy)met...	5.021	93	794122	203.446	ug/ml#	97
25) 2,4-Dichlorophenol	5.085	162	713172	210.473	ug/ml	99
26) 1,2,4-Trichlorobenzene	5.150	180	788722	188.433	ug/ml	98
36) Naphthalene	5.208	128	1997137	186.360	ug/ml	98
37) Benzoic Acid	5.096	105	595197	224.659	ug/ml#	1
38) 4-Chloroaniline	5.267	65	263265	203.712	ug/ml	93
39) Hexachlorobutadiene	5.331	225	460699	206.061	ug/ml	99
40) p-Chloro-m-cresol	5.689	107	664459	228.528	ug/ml	98
41) 2-Methylnaphthalene	5.785	142	1485558	199.805	ug/ml	95
42) 1-Methylnaphthalene	5.865	115	496899	199.755	ug/ml	95
43) Hexachlorocyclopentadiene	5.930	237	663760	208.356	ug/ml	98
44) 2,4,6-Trichlorophenol	6.031	196	582107	207.230	ug/ml	100
45) 2,4,5-Trichlorophenol	6.052	196	605502	199.429	ug/ml	98
47) 2-Chloronaphthalene	6.186	162	1524174	198.823	ug/ml	98
48) 2-Nitroaniline	6.277	138	548642	207.819	ug/ml	96
49) 1,4-Dinitrobenzene	6.389	168	240980	207.395	ug/ml	92
50) 1,3-Dinitrobenzene	6.458	168	265828	211.572	ug/ml	99
51) Dimethyl phthalate	6.453	163	1774186	197.363	ug/ml#	98
52) Acenaphthylene	6.517	152	2298624	195.344	ug/ml	97
53) 2,6-Dinitrotoluene	6.485	165	417632	206.577	ug/ml	98
54) 1,2-Dinitrobenzene	6.528	168	155356	201.917	ug/ml	97
64) 3-Nitroaniline	6.619	138	471996	199.568	ug/ml	97
65) Acenaphthene	6.667	154	1388155	196.831	ug/ml	94
66) 2,4-Dinitrophenol	6.699	184	311266	214.342	ug/ml	99
67) Dibenzofuran	6.806	168	2105876	189.310	ug/ml	97
68) 2,4-Dinitrotoluene	6.811	165	572982	203.490	ug/ml	94
69) 4-Nitrophenol	6.774	65	350026	199.844	ug/ml	93
70) 2,3,5,6-Tetrachlorophenol	6.880	232	579836	202.331	ug/ml	98
71) 2,3,4,6-Tetrachlorophenol	6.913	232	569055	197.474	ug/ml	98
72) Diethyl phthalate	7.030	149	1824517	206.277	ug/ml	98
73) Fluorene	7.083	166	1757753	207.034	ug/ml	95
74) 4-Chlorophenyl phenyl ...	7.094	204	849477	215.341	ug/ml	98

Quantitation Report (QT Reviewed)

Data Path : I:\8270\GCMS5\200401nical\  
 Data File : ABNL10.d  
 Acq On : 1 Apr 2020 10:40 pm  
 Operator : gcms5:ek  
 Sample : IL1,32,,ABNL200 Lot# 8656  
 Misc : wgl357700,,  
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 02 10:33:00 2020  
 Quant Method : i:\8270\gcms5\200401nical\FS200401gcms5.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Thu Apr 02 10:32:46 2020  
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\GCMS5\200401nical\ABNL7.d  
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
75) 4-Nitroaniline	7.121	138	472888	190.990	ug/ml#	84
76) 4,6-Dinitro-o-cresol	7.148	198	385847	215.759	ug/ml#	91
77) NDPA/DPA	7.201	169	1455196	200.381	ug/ml	94
78) Azobenzene	7.228	77	1542583	200.018	ug/ml#	94
80) 4-Bromophenyl phenyl e...	7.500	248	578848	232.188	ug/ml	97
81) Hexachlorobenzene	7.543	284	677663	212.496	ug/ml#	93
82) Pentachlorophenol	7.709	266	492224	219.287	ug/ml	99
89) Phenanthrene	7.879	178	2660496	182.634	ug/ml	96
90) Anthracene	7.928	178	2708509	189.256	ug/ml	96
91) Carbazole	8.072	167	2583757	196.458	ug/ml	96
92) Di-n-butylphthalate	8.419	149	3066585	185.104	ug/ml	98
93) Fluoranthene	8.937	202	3291063	192.889	ug/ml#	95
94) Benzidine	9.081	184	2319808	192.343	ug/ml	97
95) Pyrene	9.140	202	3389564	191.775	ug/ml	96
97) Butyl benzyl phthalate	9.797	149	1571724	196.595	ug/ml	96
105) Benzo(a)anthracene	10.262	228	3454841	184.202	ug/ml	96
106) 3,3'-Dichlorobenzidine	10.267	252	1487778	201.692	ug/ml#	98
107) Chrysene	10.300	228	3217796	180.992	ug/ml	96
108) Bis(2-ethylhexyl)phtha...	10.369	149	2182567	185.021	ug/ml#	93
109) Di-n-octylphthalate	10.957	149	3917138	185.631	ug/ml	100
110) Benzo(b)fluoranthene	11.229	252	4000749	202.953	ug/ml	97
111) Benzo(k)fluoranthene	11.256	252	3216082	191.164	ug/ml	96
112) Benzo(a)pyrene	11.496	252	3497265	192.447	ug/ml	97
114) Indeno(1,2,3-cd)pyrene	12.388	276	4141163M6	204.282	ug/mL	
115) Dibenzo(a,h)anthracene	12.415	278	3584244	220.379	ug/ml	97
116) Benzo(ghi)perylene	12.623	276	3874761	205.382	ug/ml	94

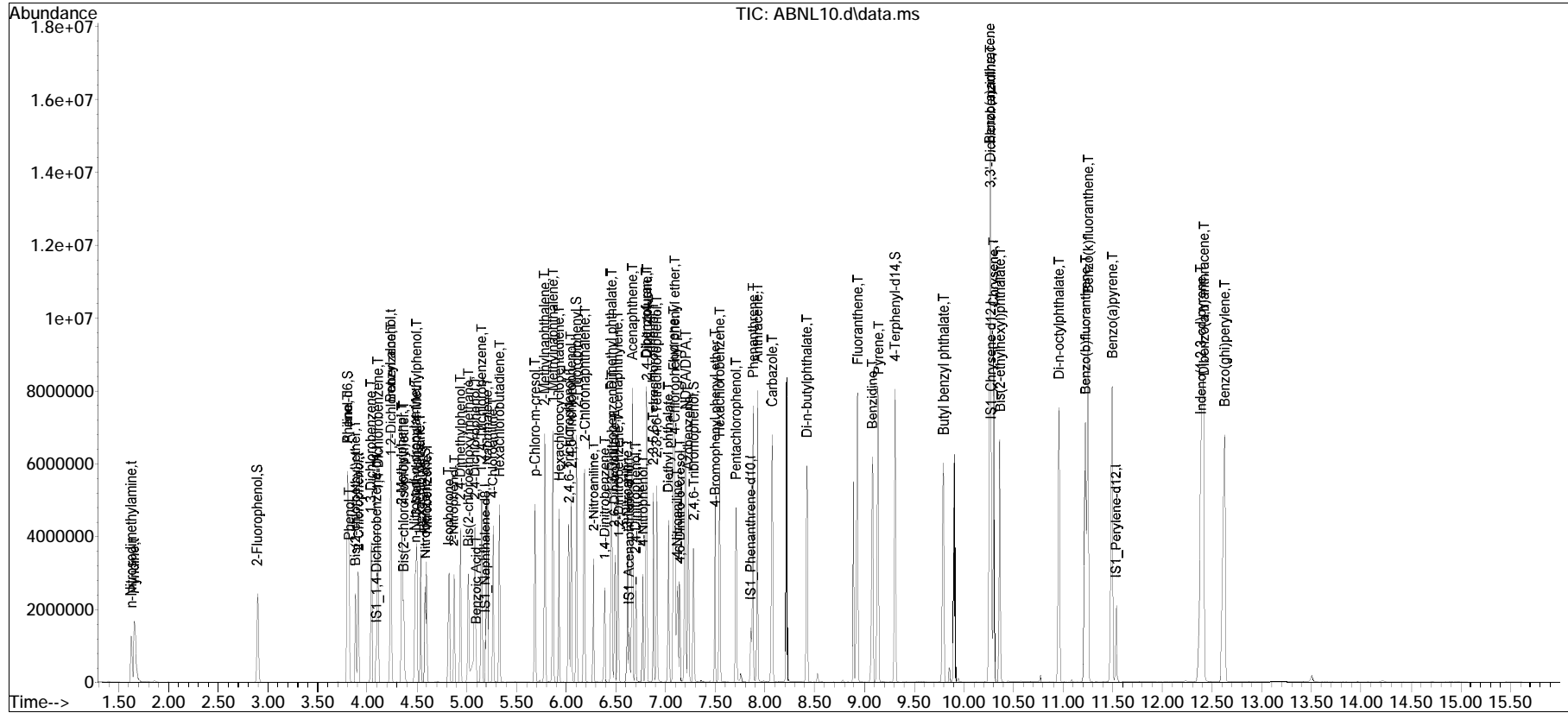
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\GCMS5\200401nical\  
 Data File : ABNL10.d  
 Acq On : 1 Apr 2020 10:40 pm  
 Operator : gcms5:ek  
 Sample : IL1,32,,ABNL200 Lot# 8656  
 Misc : wg1357700,,  
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 02 10:33:00 2020  
 Quant Method : i:\8270\gcms5\200401nical\FS200401gcms5.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Thu Apr 02 10:32:46 2020  
 Response via : Initial Calibration

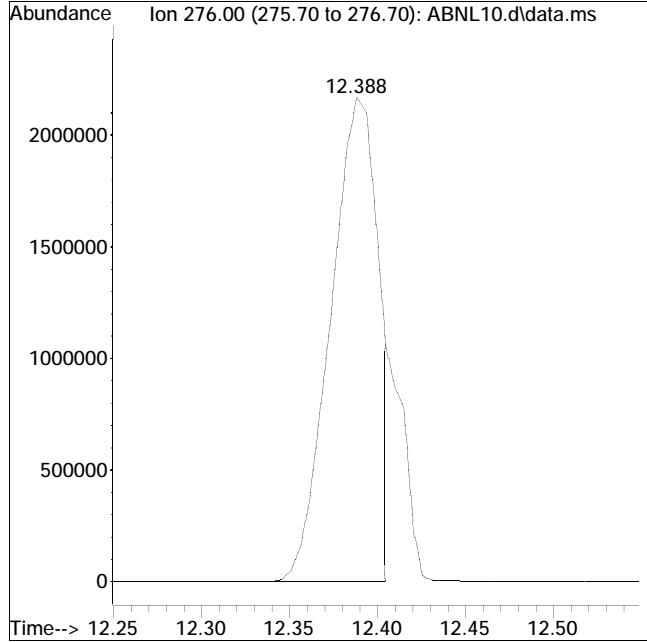
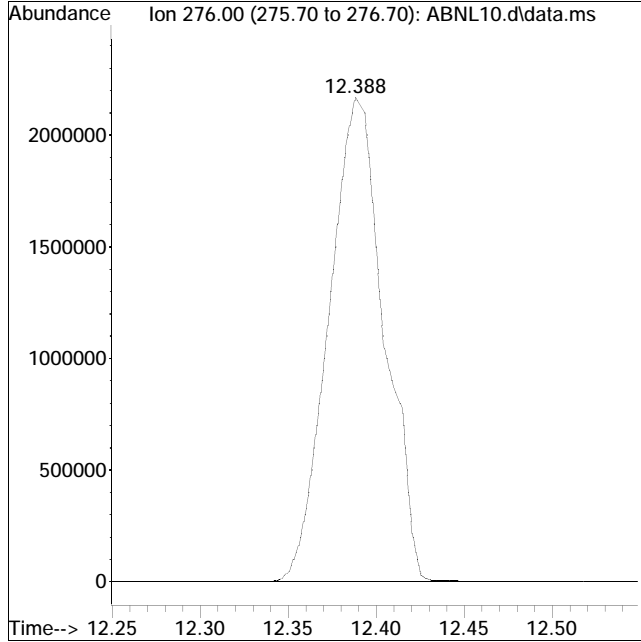
Sub List : ABNical - ABN ical sublistcal\ABNL7.d•



Manual Integration Report

Data Path : I:\8270\GCMS5\200401nical\QMethod : FS200401gcms5.m  
Data File : ABNL10.d Operator : gcms5:ek  
Date Inj'd : 4/1/2020 10:40 pm Instrument : GCMS5  
Sample : IL1,32,,ABNL200 Lot# 8656 Quant Date : 4/2/2020 10:32 am

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 4764307

Manual Peak Response = 4141163 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).



Quantitation Report (QT Reviewed)

Data Path : I:\8270\GCMS5\200401nical\  
 Data File : ABNL9.d  
 Acq On : 1 Apr 2020 11:03 pm  
 Operator : gcms5:ek  
 Sample : IL2,32,,ABNL150 Lot# 8665  
 Misc : wgl357700,,  
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 02 10:37:44 2020  
 Quant Method : i:\8270\gcms5\200401nical\FS200401gcms5.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Thu Apr 02 10:37:29 2020  
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\GCMS5\200401nical\ABNL7.d  
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----						
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.092	152	120268	40.000	ug/ml	# 0.00
Standard Area 1 = 126049			Recovery =	95.41%		
35) IS1_Naphthalene-d8	5.187	136	437473	40.000	ug/ml	0.00
Standard Area 1 = 445038			Recovery =	98.30%		
63) IS1_Acenaphthene-d10	6.635	164	263230	40.000	ug/ml	0.00
Standard Area 1 = 262232			Recovery =	100.38%		
88) IS1_Phenanthrene-d10	7.858	188	545766	40.000	ug/ml	0.00
Standard Area 1 = 543330			Recovery =	100.45%		
104) IS1_Chrysene-d12	10.268	240	580948	40.000	ug/ml	0.00
Standard Area 1 = 576405			Recovery =	100.79%		
113) IS1_Perylene-d12	11.528	264	626659	40.000	ug/ml	0.00
Standard Area 1 = 649115			Recovery =	96.54%		
System Monitoring Compounds						
4) 2-Fluorophenol	2.895	112	550594	168.244	ug/ml	0.00
Spiked Amount 50.000	Range 15 - 110		Recovery =	336.49%#		
7) Phenol-d6	3.803	99	646177	158.224	ug/ml	0.00
Spiked Amount 50.000	Range 15 - 110		Recovery =	316.45%#		
19) Nitrobenzene-d5	4.578	82	576652	155.875	ug/ml	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	623.50%#		
46) 2-Fluorobiphenyl	6.101	172	1280572	147.353	ug/ml	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	589.41%#		
79) 2,4,6-Tribromophenol	7.281	330	266899	169.083	ug/ml	0.00
Spiked Amount 50.000	Range 15 - 110		Recovery =	338.17%#		
96) 4-Terphenyl-d14	9.311	244	1807842	158.969	ug/ml	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	635.88%#		
Target Compounds						
						Qvalue
2) n-Nitrosodimethylamine	1.624	74	342785	163.013	ug/ml#	90
3) Pyridine	1.656	79	592636	160.138	ug/ml	84
5) Aniline	3.803	93	831076	155.219	ug/ml	94
6) 2-Chlorophenol	3.905	128	598077	155.818	ug/ml	98
8) Phenol	3.814	94	770361	157.065	ug/ml	97
9) Bis(2-chloroethyl)ether	3.878	93	473698	149.294	ug/ml#	86
10) 1,3-Dichlorobenzene	4.039	146	686642	152.679	ug/ml	99
11) 1,4-Dichlorobenzene	4.108	146	697781	149.686	ug/ml	99
12) 1,2-Dichlorobenzene	4.242	146	664903	147.997	ug/ml	100
13) Benzyl alcohol	4.236	79	441997	159.400	ug/ml	99
14) Bis(2-chloroisopropyl)...	4.364	45	870726	146.069	ug/ml#	91

Quantitation Report (QT Reviewed)

Data Path : I:\8270\GCMS5\200401nical\  
 Data File : ABNL9.d  
 Acq On : 1 Apr 2020 11:03 pm  
 Operator : gcms5:ek  
 Sample : IL2,32,,ABNL150 Lot# 8665  
 Misc : wgl357700,,  
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 02 10:37:44 2020  
 Quant Method : i:\8270\gcms5\200401nical\FS200401gcms5.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Thu Apr 02 10:37:29 2020  
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\GCMS5\200401nical\ABNL7.d  
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
15) 2-Methylphenol	4.348	108	510394	155.528	ug/ml	98
16) Hexachloroethane	4.530	117	266960	147.038	ug/ml#	82
17) n-Nitrosodi-n-propylamine	4.477	70	388203	158.439	ug/ml#	91
18) 3-Methylphenol/4-Methy...	4.493	108	546390	154.845	ug/ml	99
20) Nitrobenzene	4.599	77	566675	151.320	ug/ml	99
21) Isophorone	4.813	82	1010292	156.005	ug/ml	97
22) 2-Nitrophenol	4.872	139	337150	158.254	ug/ml#	94
23) 2,4-Dimethylphenol	4.941	107	543152	158.040	ug/ml	98
24) Bis(2-chloroethoxy)met...	5.016	93	629509	147.757	ug/ml#	97
25) 2,4-Dichlorophenol	5.080	162	570852	157.713	ug/ml	100
26) 1,2,4-Trichlorobenzene	5.150	180	633062	147.503	ug/ml	98
36) Naphthalene	5.203	128	1615681	143.968	ug/ml	99
37) Benzoic Acid	5.080	105	480852	155.239	ug/ml#	1
38) 4-Chloroaniline	5.262	65	214100	155.383	ug/ml	88
39) Hexachlorobutadiene	5.331	225	375631	158.653	ug/ml	100
40) p-Chloro-m-cresol	5.689	107	522768	164.287	ug/ml	98
41) 2-Methylnaphthalene	5.785	142	1194968	150.477	ug/ml	95
42) 1-Methylnaphthalene	5.866	115	390329	154.893	ug/ml	95
43) Hexachlorocyclopentadiene	5.930	237	528385	160.808	ug/ml	97
44) 2,4,6-Trichlorophenol	6.026	196	446095	159.709	ug/ml	98
45) 2,4,5-Trichlorophenol	6.053	196	488037	159.306	ug/ml	98
47) 2-Chloronaphthalene	6.181	162	1193356	147.004	ug/ml	99
48) 2-Nitroaniline	6.277	138	426895	158.716	ug/ml	96
49) 1,4-Dinitrobenzene	6.389	168	190164	152.113	ug/ml	95
50) 1,3-Dinitrobenzene	6.453	168	210142	151.901	ug/ml	99
51) Dimethyl phthalate	6.448	163	1397205	148.959	ug/ml#	98
52) Acenaphthylene	6.517	152	1827367	148.326	ug/ml	98
53) 2,6-Dinitrotoluene	6.485	165	322124	148.469	ug/ml	98
54) 1,2-Dinitrobenzene	6.523	168	121972	151.565	ug/ml	99
64) 3-Nitroaniline	6.613	138	367145	153.526	ug/ml	98
65) Acenaphthene	6.662	154	1094600	145.810	ug/ml	93
66) 2,4-Dinitrophenol	6.699	184	235556	145.443	ug/ml	99
67) Dibenzofuran	6.806	168	1670771	142.976	ug/ml	97
68) 2,4-Dinitrotoluene	6.811	165	447642	148.758	ug/ml	94
69) 4-Nitrophenol	6.768	65	269310	154.162	ug/ml	94
70) 2,3,5,6-Tetrachlorophenol	6.875	232	448175	160.878	ug/ml	99
71) 2,3,4,6-Tetrachlorophenol	6.913	232	445841	157.116	ug/ml	98
72) Diethyl phthalate	7.025	149	1423622	151.463	ug/ml	99
73) Fluorene	7.084	166	1368626	149.246	ug/ml	94
74) 4-Chlorophenyl phenyl ...	7.094	204	664757	151.492	ug/ml	98

Quantitation Report (QT Reviewed)

Data Path : I:\8270\GCMS5\200401nical\  
 Data File : ABNL9.d  
 Acq On : 1 Apr 2020 11:03 pm  
 Operator : gcms5:ek  
 Sample : IL2,32,,ABNL150 Lot# 8665  
 Misc : wgl357700,,  
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 02 10:37:44 2020  
 Quant Method : i:\8270\gcms5\200401nical\FS200401gcms5.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Thu Apr 02 10:37:29 2020  
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\GCMS5\200401nical\ABNL7.d  
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
75) 4-Nitroaniline	7.116	138	387971	158.040	ug/ml	92
76) 4,6-Dinitro-o-cresol	7.142	198	292579	146.684	ug/ml	93
77) NDPA/DPA	7.196	169	1126999	148.674	ug/ml	93
78) Azobenzene	7.223	77	1217535	146.541	ug/ml#	93
80) 4-Bromophenyl phenyl e...	7.495	248	447672	159.684	ug/ml	97
81) Hexachlorobenzene	7.543	284	529759	161.831	ug/ml	94
82) Pentachlorophenol	7.709	266	375735	148.619	ug/ml	99
89) Phenanthrene	7.880	178	2106113	144.608	ug/ml	98
90) Anthracene	7.922	178	2141642	148.866	ug/ml	96
91) Carbazole	8.072	167	2014839	147.837	ug/ml	96
92) Di-n-butylphthalate	8.419	149	2466617	155.793	ug/ml	99
93) Fluoranthene	8.932	202	2646506	150.852	ug/ml#	95
94) Benzidine	9.076	184	1829625	162.206	ug/ml	97
95) Pyrene	9.135	202	2668905	146.582	ug/ml	96
97) Butyl benzyl phthalate	9.792	149	1244004	162.581	ug/ml	96
105) Benzo(a)anthracene	10.262	228	2743123	149.973	ug/ml	97
106) 3,3'-Dichlorobenzidine	10.262	252	1159520	170.023	ug/ml#	98
107) Chrysene	10.300	228	2486496	140.777	ug/ml	96
108) Bis(2-ethylhexyl)phtha...	10.364	149	1732500	151.552	ug/ml#	92
109) Di-n-octylphthalate	10.957	149	3121498	156.746	ug/ml	99
110) Benzo(b)fluoranthene	11.224	252	2995135	153.290	ug/ml	97
111) Benzo(k)fluoranthene	11.251	252	2599441	152.422	ug/ml	97
112) Benzo(a)pyrene	11.491	252	2699627	155.813	ug/ml	98
114) Indeno(1,2,3-cd)pyrene	12.383	276	3185653M6	174.244	ug/mL	
115) Dibenzo(a,h)anthracene	12.404	278	2685134	165.043	ug/ml	97
116) Benzo(ghi)perylene	12.613	276	2895097	159.833	ug/ml	95

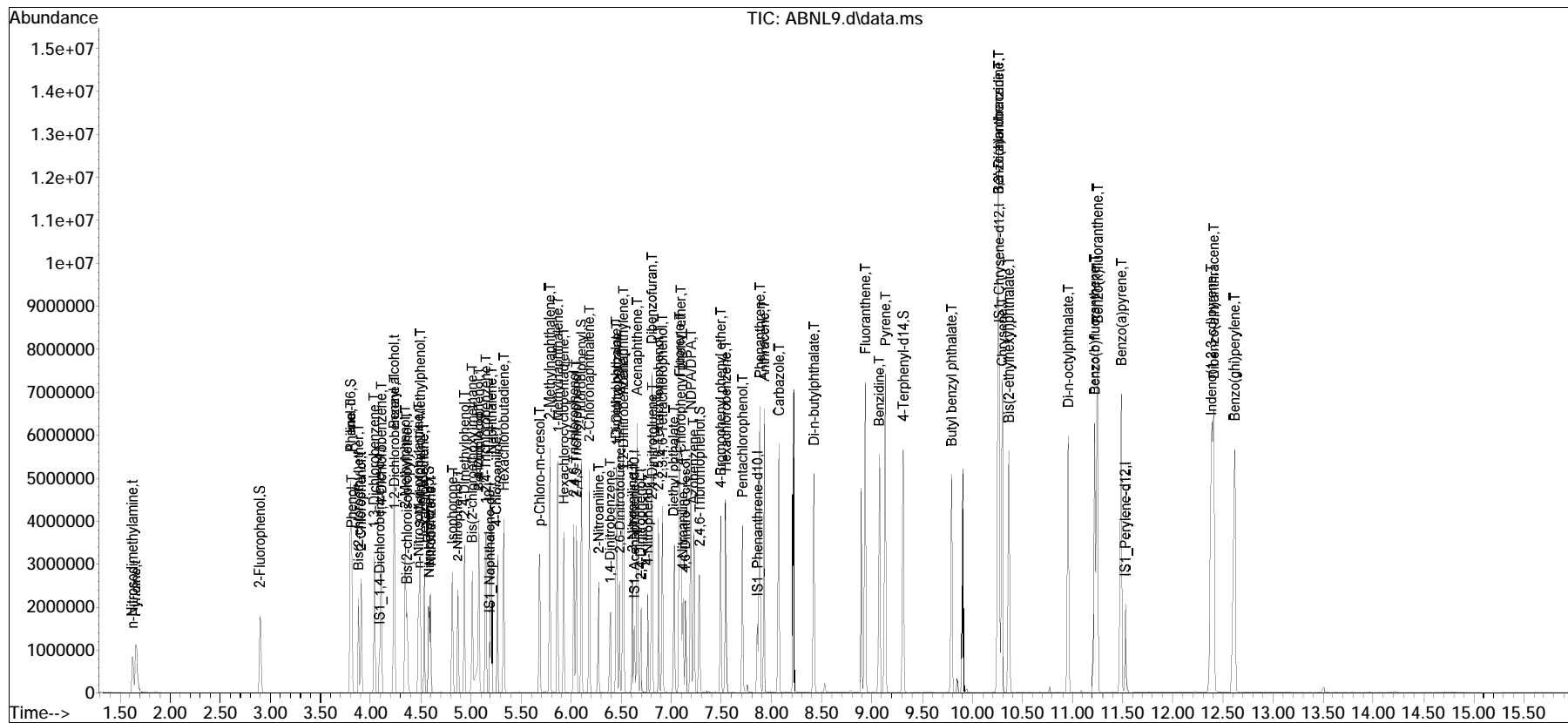
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\GCMS5\200401nical\  
 Data File : ABNL9.d  
 Acq On : 1 Apr 2020 11:03 pm  
 Operator : gcms5:ek  
 Sample : IL2,32,,ABNL150 Lot# 8665  
 Misc : wg1357700,,  
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 02 10:37:44 2020  
 Quant Method : i:\8270\gcms5\200401nical\FS200401gcms5.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Thu Apr 02 10:37:29 2020  
 Response via : Initial Calibration

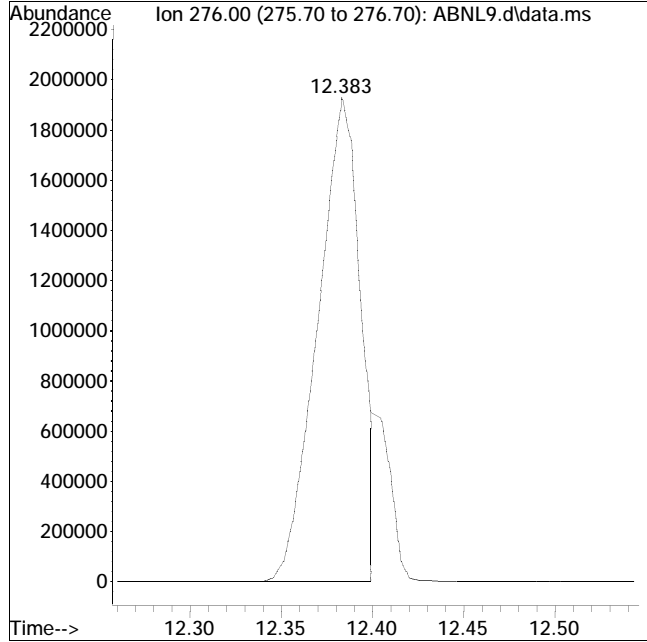
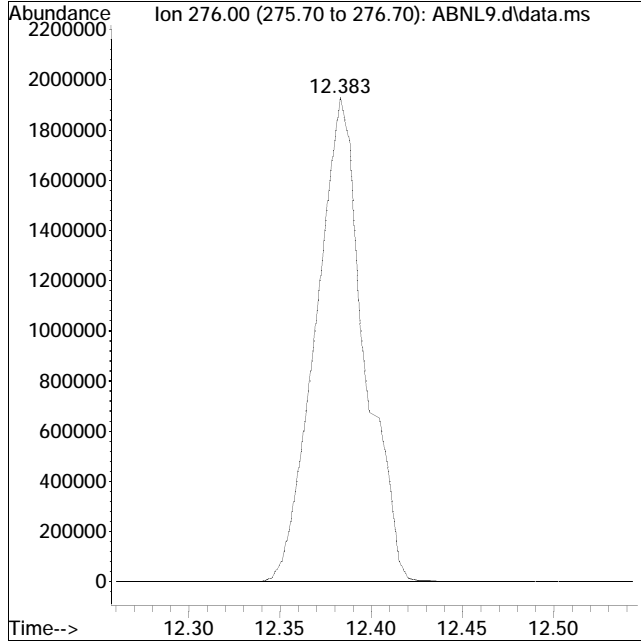
Sub List : ABNical - ABN ical sublistcal\ABNL7.d•



Manual Integration Report

Data Path : I:\8270\GCMS5\200401nical\QMethod : FS200401gcms5.m  
Data File : ABNL9.d Operator : gcms5:ek  
Date Inj'd : 4/1/2020 11:03 pm Instrument : GCMS5  
Sample : IL2,32,,ABNL150 Lot# 8665 Quant Date : 4/2/2020 10:37 am

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 3575617

Manual Peak Response = 3185653 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\GCMS5\200401nical\  
 Data File : ABNL8.d  
 Acq On : 1 Apr 2020 11:25 pm  
 Operator : gcms5:ek  
 Sample : IL3,32,,ABNL100 Lot# 8664  
 Misc : wgl357700,,  
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 02 10:37:03 2020  
 Quant Method : i:\8270\gcms5\200401nical\FS200401gcms5.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Thu Apr 02 10:36:50 2020  
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\GCMS5\200401nical\ABNL7.d  
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----						
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.092	152	130412	40.000	ug/ml	# 0.00
Standard Area 1 = 126049			Recovery = 103.46%			
35) IS1_Naphthalene-d8	5.187	136	452752	40.000	ug/ml	0.00
Standard Area 1 = 445038			Recovery = 101.73%			
63) IS1_Acenaphthene-d10	6.635	164	262390	40.000	ug/ml	0.00
Standard Area 1 = 262232			Recovery = 100.06%			
88) IS1_Phenanthrene-d10	7.858	188	552566	40.000	ug/ml	0.00
Standard Area 1 = 543330			Recovery = 101.70%			
104) IS1_Chrysene-d12	10.268	240	581537	40.000	ug/ml	0.00
Standard Area 1 = 576405			Recovery = 100.89%			
113) IS1_Perylene-d12	11.528	264	637624	40.000	ug/ml	0.00
Standard Area 1 = 649115			Recovery = 98.23%			
System Monitoring Compounds						
4) 2-Fluorophenol	2.895	112	386672	110.199	ug/ml	0.00
Spiked Amount 50.000	Range 15 - 110		Recovery = 220.40%#			
7) Phenol-d6	3.798	99	466347	106.012	ug/ml	0.00
Spiked Amount 50.000	Range 15 - 110		Recovery = 212.02%#			
19) Nitrobenzene-d5	4.578	82	424990	106.736	ug/ml	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 426.94%#			
46) 2-Fluorobiphenyl	6.101	172	911449	101.509	ug/ml	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 406.04%#			
79) 2,4,6-Tribromophenol	7.281	330	181930	118.263	ug/ml	0.00
Spiked Amount 50.000	Range 15 - 110		Recovery = 236.53%#			
96) 4-Terphenyl-d14	9.306	244	1220589	106.811	ug/ml	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 427.24%#			
Target Compounds						
						Qvalue
2) n-Nitrosodimethylamine	1.629	74	242390	107.148	ug/ml#	90
3) Pyridine	1.656	79	422141	105.883	ug/ml	86
5) Aniline	3.804	93	607637	105.274	ug/ml	95
6) 2-Chlorophenol	3.905	128	431422	104.132	ug/ml	97
8) Phenol	3.814	94	557894	105.544	ug/ml	97
9) Bis(2-chloroethyl)ether	3.878	93	340485	98.834	ug/ml#	85
10) 1,3-Dichlorobenzene	4.039	146	501517	103.208	ug/ml	99
11) 1,4-Dichlorobenzene	4.108	146	503778	99.621	ug/ml	98
12) 1,2-Dichlorobenzene	4.242	146	484082	99.279	ug/ml	99
13) Benzyl alcohol	4.231	79	324355	108.948	ug/ml	99
14) Bis(2-chloroisopropyl)...	4.364	45	645184	99.791	ug/ml#	90

Quantitation Report (QT Reviewed)

Data Path : I:\8270\GCMS5\200401nical\  
 Data File : ABNL8.d  
 Acq On : 1 Apr 2020 11:25 pm  
 Operator : gcms5:ek  
 Sample : IL3,32,,ABNL100 Lot# 8664  
 Misc : wgl357700,,  
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 02 10:37:03 2020  
 Quant Method : i:\8270\gcms5\200401nical\FS200401gcms5.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Thu Apr 02 10:36:50 2020  
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\GCMS5\200401nical\ABNL7.d  
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
15) 2-Methylphenol	4.348	108	374656	105.985	ug/ml	98
16) Hexachloroethane	4.530	117	191855	97.142	ug/ml#	83
17) n-Nitrosodi-n-propylamine	4.477	70	280741	106.421	ug/ml#	92
18) 3-Methylphenol/4-Methy...	4.487	108	390660	102.369	ug/ml	97
20) Nitrobenzene	4.594	77	415401	102.591	ug/ml	98
21) Isophorone	4.808	82	718717	102.650	ug/ml	95
22) 2-Nitrophenol	4.872	139	233523	101.306	ug/ml	94
23) 2,4-Dimethylphenol	4.936	107	376338	101.109	ug/ml	97
24) Bis(2-chloroethoxy)met...	5.016	93	449130	96.882	ug/ml#	98
25) 2,4-Dichlorophenol	5.080	162	398566	101.746	ug/ml	99
26) 1,2,4-Trichlorobenzene	5.150	180	445206	95.148	ug/ml	99
36) Naphthalene	5.203	128	1159929	99.851	ug/ml	100
37) Benzoic Acid	5.064	105	316405	101.430	ug/ml#	1
38) 4-Chloroaniline	5.262	65	147134	103.591	ug/ml	90
39) Hexachlorobutadiene	5.331	225	258575	106.261	ug/ml	99
40) p-Chloro-m-cresol	5.684	107	367788	113.337	ug/ml	98
41) 2-Methylnaphthalene	5.786	142	853494	104.352	ug/ml	96
42) 1-Methylnaphthalene	5.866	115	270711	104.296	ug/ml	95
43) Hexachlorocyclopentadiene	5.930	237	362917	108.176	ug/ml	99
44) 2,4,6-Trichlorophenol	6.026	196	311196	108.843	ug/ml	99
45) 2,4,5-Trichlorophenol	6.053	196	338030	107.634	ug/ml	97
47) 2-Chloronaphthalene	6.181	162	850625	101.406	ug/ml	100
48) 2-Nitroaniline	6.272	138	297885	108.536	ug/ml	95
49) 1,4-Dinitrobenzene	6.384	168	127574	98.767	ug/ml	87
50) 1,3-Dinitrobenzene	6.448	168	143081	100.450	ug/ml	98
51) Dimethyl phthalate	6.448	163	984998	101.682	ug/ml#	98
52) Acenaphthylene	6.517	152	1275556	100.047	ug/ml	98
53) 2,6-Dinitrotoluene	6.480	165	221416	98.353	ug/ml	98
54) 1,2-Dinitrobenzene	6.523	168	82995	99.582	ug/ml	97
64) 3-Nitroaniline	6.614	138	248471	104.975	ug/ml	97
65) Acenaphthene	6.662	154	748535	100.034	ug/ml	93
66) 2,4-Dinitrophenol	6.694	184	160260	100.457	ug/ml	98
67) Dibenzofuran	6.806	168	1178073	101.301	ug/ml	99
68) 2,4-Dinitrotoluene	6.806	165	301707	101.042	ug/ml	96
69) 4-Nitrophenol	6.763	65	186810	108.596	ug/ml	94
70) 2,3,5,6-Tetrachlorophenol	6.875	232	307672	112.532	ug/ml	99
71) 2,3,4,6-Tetrachlorophenol	6.913	232	306238	109.559	ug/ml	99
72) Diethyl phthalate	7.025	149	984121	105.704	ug/ml	98
73) Fluorene	7.084	166	958957	105.555	ug/ml	94
74) 4-Chlorophenyl phenyl ...	7.094	204	454632	104.453	ug/ml	97

Quantitation Report (QT Reviewed)

Data Path : I:\8270\GCMS5\200401nical\  
 Data File : ABNL8.d  
 Acq On : 1 Apr 2020 11:25 pm  
 Operator : gcms5:ek  
 Sample : IL3,32,,ABNL100 Lot# 8664  
 Misc : wgl357700,,  
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 02 10:37:03 2020  
 Quant Method : i:\8270\gcms5\200401nical\FS200401gcms5.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Thu Apr 02 10:36:50 2020  
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\GCMS5\200401nical\ABNL7.d  
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
75) 4-Nitroaniline	7.110	138	266163	110.381	ug/ml	90
76) 4,6-Dinitro-o-cresol	7.137	198	196695	99.639	ug/ml	93
77) NDPA/DPA	7.196	169	785911	104.534	ug/ml	92
78) Azobenzene	7.223	77	859954	104.334	ug/ml#	94
80) 4-Bromophenyl phenyl e...	7.495	248	299193	108.017	ug/ml	97
81) Hexachlorobenzene	7.543	284	356372	110.486	ug/ml#	91
82) Pentachlorophenol	7.709	266	250232	99.891	ug/ml	99
89) Phenanthrene	7.880	178	1457738	98.718	ug/ml	99
90) Anthracene	7.922	178	1510337	104.172	ug/ml	98
91) Carbazole	8.067	167	1412441	102.664	ug/ml	98
92) Di-n-butylphthalate	8.419	149	1702942	107.190	ug/ml	99
93) Fluoranthene	8.927	202	1830629	103.458	ug/ml#	96
94) Benzidine	9.071	184	1224954	108.577	ug/ml#	97
95) Pyrene	9.130	202	1823853	98.806	ug/ml	99
97) Butyl benzyl phthalate	9.792	149	836865	109.787	ug/ml	95
105) Benzo(a)anthracene	10.257	228	1828200	99.832	ug/ml	98
106) 3,3'-Dichlorobenzidine	10.257	252	775606	115.867	ug/ml#	97
107) Chrysene	10.294	228	1745459	98.565	ug/ml	98
108) Bis(2-ethylhexyl)phtha...	10.364	149	1177968	104.184	ug/ml#	92
109) Di-n-octylphthalate	10.957	149	2144254	109.217	ug/ml	99
110) Benzo(b)fluoranthene	11.219	252	2163142	112.082	ug/ml#	96
111) Benzo(k)fluoranthene	11.245	252	1646485	96.020	ug/ml	99
112) Benzo(a)pyrene	11.486	252	1797677	104.194	ug/ml	98
114) Indeno(1,2,3-cd)pyrene	12.378	276	2065989M6	112.842	ug/mL	
115) Dibenzo(a,h)anthracene	12.399	278	1815298	110.999	ug/ml	98
116) Benzo(ghi)perylene	12.608	276	1947462	106.421	ug/ml	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

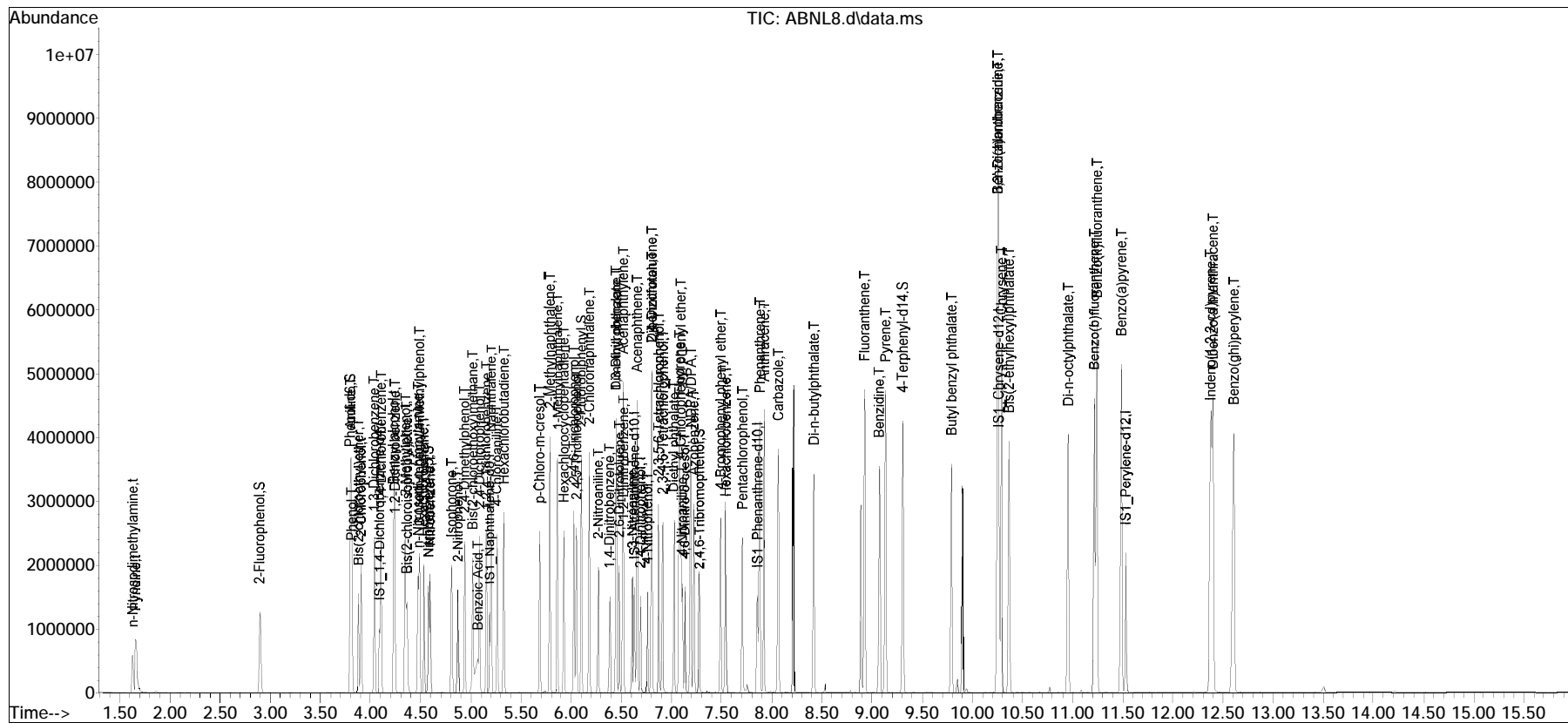


Quantitation Report (QT Reviewed)

Data Path : I:\8270\GCMS5\200401nical\  
 Data File : ABNL8.d  
 Acq On : 1 Apr 2020 11:25 pm  
 Operator : gcms5:ek  
 Sample : IL3,32,,ABNL100 Lot# 8664  
 Misc : wg1357700,,  
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 02 10:37:03 2020  
 Quant Method : i:\8270\gcms5\200401nical\FS200401gcms5.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Thu Apr 02 10:36:50 2020  
 Response via : Initial Calibration

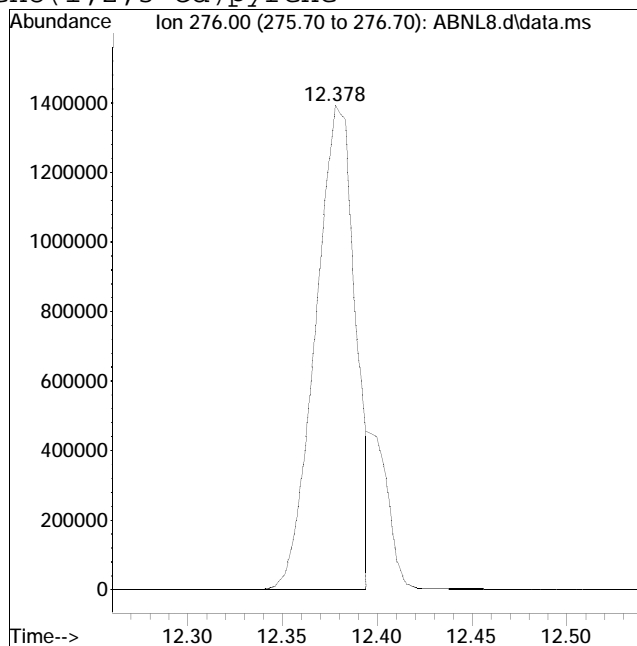
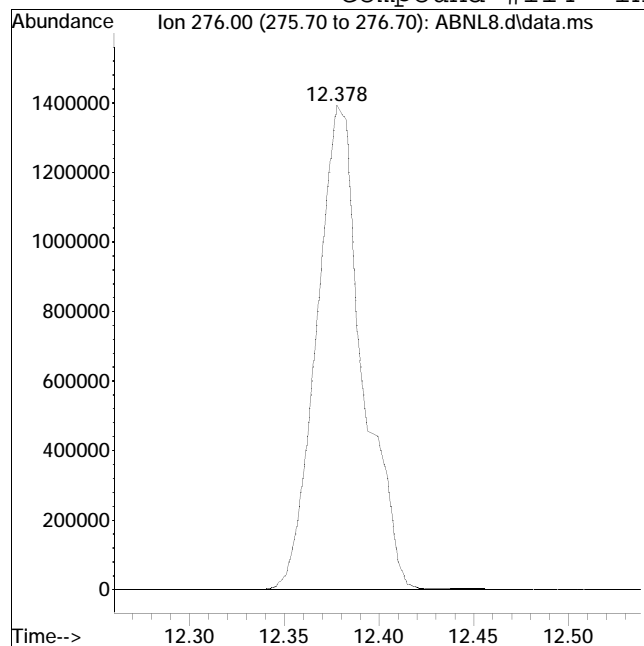
Sub List : ABNical - ABN ical sublistcal\ABNL7.d•



Manual Integration Report

Data Path : I:\8270\GCMS5\200401nical\QMethod : FS200401gcms5.m  
Data File : ABNL8.d Operator : gcms5:ek  
Date Inj'd : 4/1/2020 11:25 pm Instrument : GCMS5  
Sample : IL3,32,,ABNL100 Lot# 8664 Quant Date : 4/2/2020 10:36 am

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 2352388

Manual Peak Response = 2065989 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\GCMS5\200401nical\  
 Data File : ABNL7.d  
 Acq On : 1 Apr 2020 11:48 pm  
 Operator : gcms5:ek  
 Sample : IL4,32,,ABNL50 Lot# 8663  
 Misc : wgl357700,,  
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 02 10:36:31 2020  
 Quant Method : i:\8270\gcms5\200401nical\FS200401gcms5.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Thu Apr 02 10:36:16 2020  
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\GCMS5\200401nical\ABNL7.d  
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
-----							
Internal Standards							
1) IS1_1,4-Dichlorobenzen...	4.092	152	126049	40.000	ug/ml	0.00	
Standard Area 1 = 126049			Recovery = 100.00%				
35) IS1_Naphthalene-d8	5.182	136	445038	40.000	ug/ml	0.00	
Standard Area 1 = 445038			Recovery = 100.00%				
63) IS1_Acenaphthene-d10	6.635	164	262232	40.000	ug/ml	0.00	
Standard Area 1 = 262232			Recovery = 100.00%				
88) IS1_Phenanthrene-d10	7.853	188	543330	40.000	ug/ml	0.00	
Standard Area 1 = 543330			Recovery = 100.00%				
104) IS1_Chrysene-d12	10.262	240	576405	40.000	ug/ml	0.00	
Standard Area 1 = 576405			Recovery = 100.00%				
113) IS1_Perylene-d12	11.528	264	649115	40.000	ug/ml	0.00	
Standard Area 1 = 649115			Recovery = 100.00%				
System Monitoring Compounds							
4) 2-Fluorophenol	2.895	112	182891	53.927	ug/ml	0.00	
Spiked Amount 50.000	Range 15 - 110		Recovery = 107.85%				
7) Phenol-d6	3.798	99	215703	50.732	ug/ml	0.00	
Spiked Amount 50.000	Range 15 - 110		Recovery = 101.46%				
19) Nitrobenzene-d5	4.578	82	199058	51.724	ug/ml	0.00	
Spiked Amount 25.000	Range 30 - 130		Recovery = 206.90%#				
46) 2-Fluorobiphenyl	6.095	172	448069	50.767	ug/ml	0.00	
Spiked Amount 25.000	Range 30 - 130		Recovery = 203.07%#				
79) 2,4,6-Tribromophenol	7.276	330	86720	56.406	ug/ml	0.00	
Spiked Amount 50.000	Range 15 - 110		Recovery = 112.81%#				
96) 4-Terphenyl-d14	9.306	244	610243	54.309	ug/ml	0.00	
Spiked Amount 25.000	Range 30 - 130		Recovery = 217.24%#				
Target Compounds							
							Qvalue
2) n-Nitrosodimethylamine	1.624	74	113963	52.121	ug/ml#		92
3) Pyridine	1.656	79	207398	53.821	ug/ml		86
5) Aniline	3.798	93	284633	51.020	ug/ml		96
6) 2-Chlorophenol	3.905	128	206592	51.591	ug/ml		98
8) Phenol	3.809	94	262404	51.361	ug/ml		99
9) Bis(2-chloroethyl)ether	3.878	93	165905	49.825	ug/ml		88
10) 1,3-Dichlorobenzene	4.038	146	238591	50.799	ug/ml		99
11) 1,4-Dichlorobenzene	4.108	146	243749	49.869	ug/ml		100
12) 1,2-Dichlorobenzene	4.236	146	232328	49.297	ug/ml		100
13) Benzyl alcohol	4.231	79	151885	52.783	ug/ml		99
14) Bis(2-chloroisopropyl)...	4.359	45	306335	49.021	ug/ml#		90

Quantitation Report (QT Reviewed)

Data Path : I:\8270\GCMS5\200401nical\  
 Data File : ABNL7.d  
 Acq On : 1 Apr 2020 11:48 pm  
 Operator : gcms5:ek  
 Sample : IL4,32,,ABNL50 Lot# 8663  
 Misc : wgl357700,,  
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 02 10:36:31 2020  
 Quant Method : i:\8270\gcms5\200401nical\FS200401gcms5.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Thu Apr 02 10:36:16 2020  
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\GCMS5\200401nical\ABNL7.d  
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
15) 2-Methylphenol	4.343	108	176792	51.743	ug/ml	98
16) Hexachloroethane	4.530	117	92567	48.492	ug/ml	85
17) n-Nitrosodi-n-propylamine	4.471	70	132452	51.947	ug/ml#	91
18) 3-Methylphenol/4-Methy...	4.487	108	186126	50.461	ug/ml	98
20) Nitrobenzene	4.594	77	197842	50.552	ug/ml	98
21) Isophorone	4.808	82	354938	52.448	ug/ml	95
22) 2-Nitrophenol	4.872	139	114234	51.272	ug/ml	97
23) 2,4-Dimethylphenol	4.936	107	181971	50.582	ug/ml	98
24) Bis(2-chloroethoxy)met...	5.011	93	216001	48.206	ug/ml	99
25) 2,4-Dichlorophenol	5.075	162	192872	50.941	ug/ml	99
26) 1,2,4-Trichlorobenzene	5.144	180	214440	47.416	ug/ml	100
36) Naphthalene	5.203	128	573544	50.229	ug/ml	100
37) Benzoic Acid	5.032	105	141791	49.726	ug/ml#	1
38) 4-Chloroaniline	5.262	65	71584	51.273	ug/ml	93
39) Hexachlorobutadiene	5.331	225	124536	52.065	ug/ml	99
40) p-Chloro-m-cresol	5.684	107	174949	54.846	ug/ml	98
41) 2-Methylnaphthalene	5.785	142	408151	50.767	ug/ml	95
42) 1-Methylnaphthalene	5.860	115	129677	50.826	ug/ml	94
43) Hexachlorocyclopentadiene	5.930	237	170497	51.702	ug/ml	98
44) 2,4,6-Trichlorophenol	6.026	196	150335	53.492	ug/ml	99
45) 2,4,5-Trichlorophenol	6.047	196	162494	52.638	ug/ml	99
47) 2-Chloronaphthalene	6.181	162	415568	50.400	ug/ml	99
48) 2-Nitroaniline	6.272	138	141291	52.373	ug/ml	96
49) 1,4-Dinitrobenzene	6.384	168	62186	49.696	ug/ml	95
50) 1,3-Dinitrobenzene	6.448	168	67244	48.621	ug/ml	94
51) Dimethyl phthalate	6.442	163	481110	50.526	ug/ml#	98
52) Acenaphthylene	6.512	152	643189	51.322	ug/ml	99
53) 2,6-Dinitrotoluene	6.475	165	108199	49.170	ug/ml	98
54) 1,2-Dinitrobenzene	6.512	168	41178	50.264	ug/ml	97
64) 3-Nitroaniline	6.608	138	123999	52.419	ug/ml	99
65) Acenaphthene	6.662	154	369700	49.436	ug/ml	92
66) 2,4-Dinitrophenol	6.694	184	76137	49.512	ug/ml	98
67) Dibenzofuran	6.800	168	583218	50.180	ug/ml	99
68) 2,4-Dinitrotoluene	6.800	165	147628	49.748	ug/ml	96
69) 4-Nitrophenol	6.758	65	91829	53.414	ug/ml	92
70) 2,3,5,6-Tetrachlorophenol	6.875	232	150250	54.988	ug/ml	99
71) 2,3,4,6-Tetrachlorophenol	6.907	232	151083	54.083	ug/ml	99
72) Diethyl phthalate	7.019	149	487941	52.441	ug/ml	98
73) Fluorene	7.078	166	467846	51.528	ug/ml	94
74) 4-Chlorophenyl phenyl ...	7.094	204	222320	51.109	ug/ml	96

Quantitation Report (QT Reviewed)

Data Path : I:\8270\GCMS5\200401nical\  
 Data File : ABNL7.d  
 Acq On : 1 Apr 2020 11:48 pm  
 Operator : gcms5:ek  
 Sample : IL4,32,,ABNL50 Lot# 8663  
 Misc : wgl357700,,  
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 02 10:36:31 2020  
 Quant Method : i:\8270\gcms5\200401nical\FS200401gcms5.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Thu Apr 02 10:36:16 2020  
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\GCMS5\200401nical\ABNL7.d  
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
75) 4-Nitroaniline	7.100	138	129813	53.868	ug/ml	93
76) 4,6-Dinitro-o-cresol	7.132	198	93760	48.826	ug/ml	96
77) NDPA/DPA	7.190	169	388984	51.770	ug/ml	93
78) Azobenzene	7.217	77	424108	51.486	ug/ml#	94
80) 4-Bromophenyl phenyl e...	7.495	248	145254	52.473	ug/ml	97
81) Hexachlorobenzene	7.538	284	168946	52.410	ug/ml#	91
82) Pentachlorophenol	7.703	266	117685	48.006	ug/ml	99
89) Phenanthrene	7.874	178	732475	50.446	ug/ml	99
90) Anthracene	7.917	178	750296	52.630	ug/ml	100
91) Carbazole	8.067	167	705884	52.180	ug/ml	98
92) Di-n-butylphthalate	8.414	149	842366	53.923	ug/ml	99
93) Fluoranthene	8.927	202	913116	52.482	ug/ml#	95
94) Benzidine	9.071	184	613247	55.281	ug/ml#	96
95) Pyrene	9.130	202	919500	50.660	ug/ml	99
97) Butyl benzyl phthalate	9.792	149	406504	54.235	ug/ml	95
105) Benzo(a)anthracene	10.257	228	927880	51.120	ug/ml	99
106) 3,3'-Dichlorobenzidine	10.257	252	371118	55.935	ug/ml	98
107) Chrysene	10.289	228	876089	49.913	ug/ml	99
108) Bis(2-ethylhexyl)phtha...	10.364	149	593485	53.080	ug/ml#	91
109) Di-n-octylphthalate	10.951	149	1061651	54.557	ug/ml	100
110) Benzo(b)fluoranthene	11.213	252	1083272	56.629	ug/ml#	93
111) Benzo(k)fluoranthene	11.240	252	835678	49.169	ug/ml	96
112) Benzo(a)pyrene	11.480	252	914280	53.464	ug/ml	97
114) Indeno(1,2,3-cd)pyrene	12.372	276	1019648M6	54.706	ug/mL	
115) Dibenzo(a,h)anthracene	12.388	278	923032	55.441	ug/ml	98
116) Benzo(ghi)perylene	12.597	276	995113	53.416	ug/ml	96

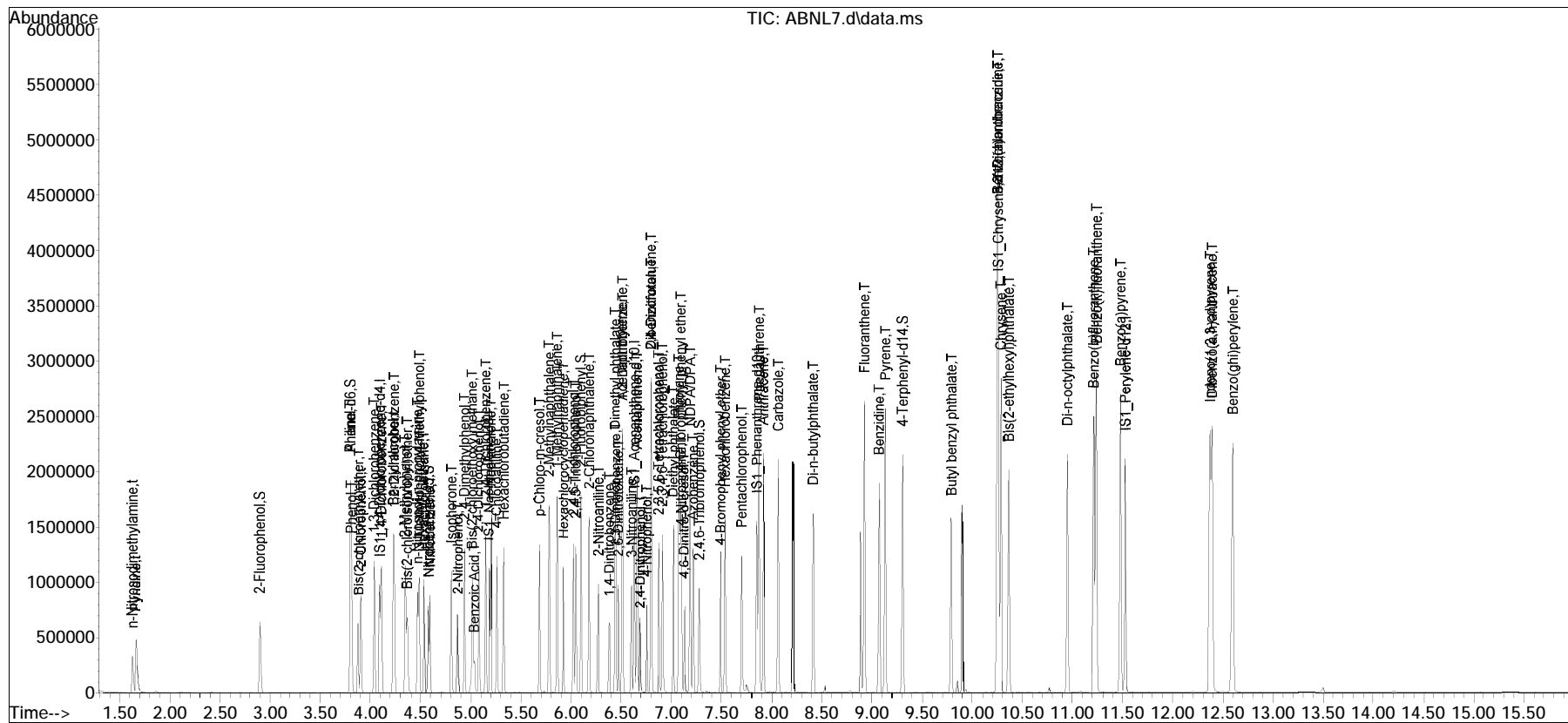
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\GCMS5\200401nical\  
 Data File : ABNL7.d  
 Acq On : 1 Apr 2020 11:48 pm  
 Operator : gcms5:ek  
 Sample : IL4,32,,ABNL50 Lot# 8663  
 Misc : wg1357700,,  
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 02 10:36:31 2020  
 Quant Method : i:\8270\gcms5\200401nical\FS200401gcms5.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Thu Apr 02 10:36:16 2020  
 Response via : Initial Calibration

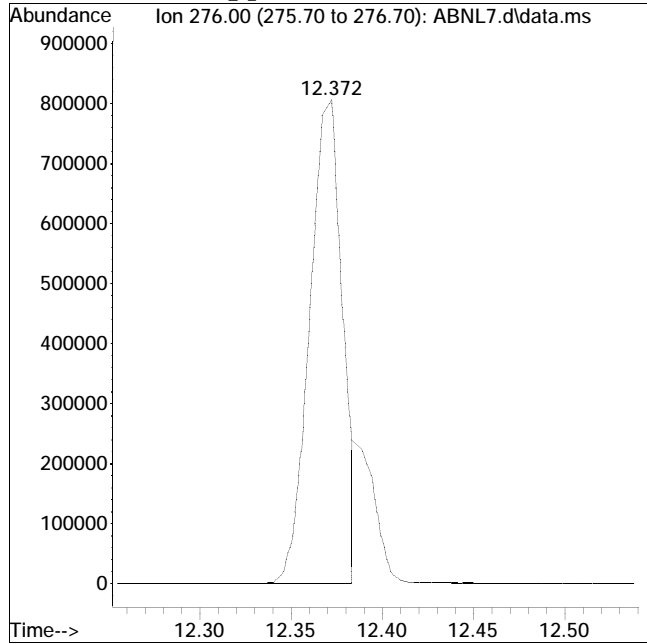
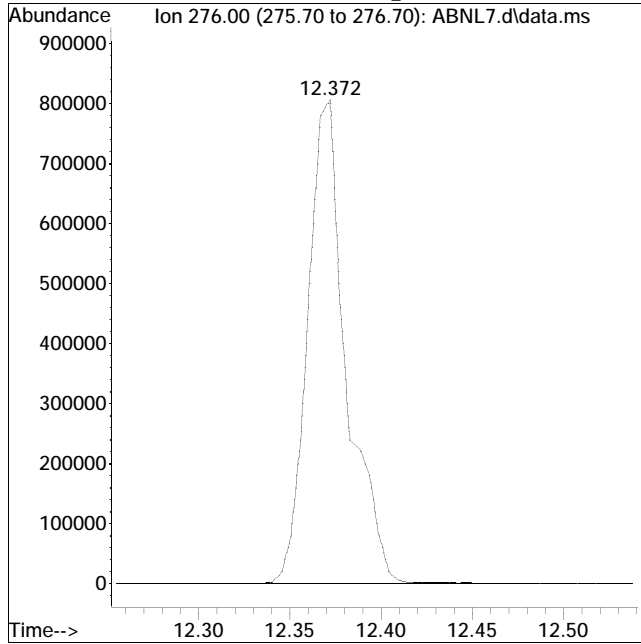
Sub List : ABNical - ABN ical sublistcal\ABNL7.d•



Manual Integration Report

Data Path : I:\8270\GCMS5\200401nical\QMethod : FS200401gcms5.m  
Data File : ABNL7.d Operator : gcms5:ek  
Date Inj'd : 4/1/2020 11:48 pm Instrument : GCMS5  
Sample : IL4,32,,ABNL50 Lot# 8663 Quant Date : 4/2/2020 10:36 am

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 1189444

Manual Peak Response = 1019648 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\GCMS5\200401nical\  
 Data File : ABNL6.d  
 Acq On : 2 Apr 2020 12:11 am  
 Operator : gcms5:ek  
 Sample : IL5,32,,ABNL20 Lot# 8662  
 Misc : wgl357700,,  
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 02 10:35:56 2020  
 Quant Method : i:\8270\gcms5\200401nical\FS200401gcms5.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Thu Apr 02 10:35:43 2020  
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\GCMS5\200401nical\ABNL7.d  
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----						
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.092	152	109778	40.000	ug/ml	0.00
Standard Area 1 = 126049			Recovery =	87.09%		
35) IS1_Naphthalene-d8	5.182	136	421759	40.000	ug/ml	0.00
Standard Area 1 = 445038			Recovery =	94.77%		
63) IS1_Acenaphthene-d10	6.629	164	242977	40.000	ug/ml	0.00
Standard Area 1 = 262232			Recovery =	92.66%		
88) IS1_Phenanthrene-d10	7.853	188	499515	40.000	ug/ml	0.00
Standard Area 1 = 543330			Recovery =	91.94%		
104) IS1_Chrysene-d12	10.262	240	528229	40.000	ug/ml	0.00
Standard Area 1 = 576405			Recovery =	91.64%		
113) IS1_Perylene-d12	11.523	264	592254	40.000	ug/ml	0.00
Standard Area 1 = 649115			Recovery =	91.24%		
System Monitoring Compounds						
4) 2-Fluorophenol	2.895	112	62197	21.218	ug/ml	0.00
Spiked Amount 50.000	Range 15 - 110		Recovery =	42.44%		
7) Phenol-d6	3.793	99	76162	20.651	ug/ml	0.00
Spiked Amount 50.000	Range 15 - 110		Recovery =	41.30%		
19) Nitrobenzene-d5	4.573	82	71297	21.467	ug/ml	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	85.87%		
46) 2-Fluorobiphenyl	6.095	172	166237	19.857	ug/ml	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	79.43%		
79) 2,4,6-Tribromophenol	7.276	330	28075	19.660	ug/ml	0.00
Spiked Amount 50.000	Range 15 - 110		Recovery =	39.32%		
96) 4-Terphenyl-d14	9.301	244	214353	20.861	ug/ml	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	83.44%		
Target Compounds						
						Qvalue
2) n-Nitrosodimethylamine	1.624	74	40397	21.399	ug/ml#	95
3) Pyridine	1.656	79	71861	21.631	ug/ml	87
5) Aniline	3.798	93	101938	21.128	ug/ml	97
6) 2-Chlorophenol	3.900	128	73091	21.102	ug/ml	99
8) Phenol	3.803	94	91840	20.735	ug/ml	98
9) Bis(2-chloroethyl)ether	3.873	93	58868	20.343	ug/ml	89
10) 1,3-Dichlorobenzene	4.038	146	83585	20.498	ug/ml	98
11) 1,4-Dichlorobenzene	4.108	146	87419	20.615	ug/ml	97
12) 1,2-Dichlorobenzene	4.236	146	85736	21.044	ug/ml	98
13) Benzyl alcohol	4.225	79	52075	20.895	ug/ml	99
14) Bis(2-chloroisopropyl)...	4.359	45	112790	20.832	ug/ml#	88



Quantitation Report (QT Reviewed)

Data Path : I:\8270\GCMS5\200401nical\  
 Data File : ABNL6.d  
 Acq On : 2 Apr 2020 12:11 am  
 Operator : gcms5:ek  
 Sample : IL5,32,,ABNL20 Lot# 8662  
 Misc : wgl357700,,  
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 02 10:35:56 2020  
 Quant Method : i:\8270\gcms5\200401nical\FS200401gcms5.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Thu Apr 02 10:35:43 2020  
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\GCMS5\200401nical\ABNL7.d  
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
15) 2-Methylphenol	4.343	108	63701	21.625	ug/ml	95
16) Hexachloroethane	4.530	117	33907	20.453	ug/ml	88
17) n-Nitrosodi-n-propylamine	4.471	70	49204	22.505	ug/ml#	91
18) 3-Methylphenol/4-Methy...	4.482	108	67777	21.265	ug/ml	99
20) Nitrobenzene	4.589	77	72957	21.622	ug/ml	97
21) Isophorone	4.802	82	127636	21.915	ug/ml	96
22) 2-Nitrophenol	4.867	139	40114	20.849	ug/ml	96
23) 2,4-Dimethylphenol	4.936	107	66360	21.360	ug/ml	99
24) Bis(2-chloroethoxy)met...	5.011	93	82364	21.274	ug/ml	98
25) 2,4-Dichlorophenol	5.075	162	71113	21.810	ug/ml	98
26) 1,2,4-Trichlorobenzene	5.144	180	82282	21.024	ug/ml	94
36) Naphthalene	5.198	128	218386	20.211	ug/ml	99
37) Benzoic Acid	5.005	105	37286M3	17.784	ug/ml	
38) 4-Chloroaniline	5.262	65	26369	19.919	ug/ml	91
39) Hexachlorobutadiene	5.331	225	46576	20.627	ug/ml	99
40) p-Chloro-m-cresol	5.684	107	60697	20.090	ug/ml	98
41) 2-Methylnaphthalene	5.780	142	153215	20.125	ug/ml	95
42) 1-Methylnaphthalene	5.860	115	48345	19.994	ug/ml	96
43) Hexachlorocyclopentadiene	5.930	237	61196	19.480	ug/ml	97
44) 2,4,6-Trichlorophenol	6.026	196	54921	20.728	ug/ml	100
45) 2,4,5-Trichlorophenol	6.047	196	57939	19.772	ug/ml	96
47) 2-Chloronaphthalene	6.175	162	155356	19.865	ug/ml	99
48) 2-Nitroaniline	6.272	138	48104	18.540	ug/ml	91
49) 1,4-Dinitrobenzene	6.378	168	20523	17.944	ug/ml	89
50) 1,3-Dinitrobenzene	6.442	168	23699	18.598	ug/ml	88
51) Dimethyl phthalate	6.437	163	179651	19.893	ug/ml#	97
52) Acenaphthylene	6.512	152	237682	20.014	ug/ml	99
53) 2,6-Dinitrotoluene	6.475	165	39852	19.396	ug/ml	97
54) 1,2-Dinitrobenzene	6.512	168	15415	19.819	ug/ml	97
64) 3-Nitroaniline	6.603	138	43865	20.015	ug/ml	95
65) Acenaphthene	6.656	154	134889	19.393	ug/ml	93
66) 2,4-Dinitrophenol	6.688	184	23756	18.711	ug/ml	99
67) Dibenzofuran	6.800	168	216223	20.091	ug/ml	100
68) 2,4-Dinitrotoluene	6.800	165	51290	18.908	ug/ml	100
69) 4-Nitrophenol	6.758	65	32184	20.245	ug/ml	95
70) 2,3,5,6-Tetrachlorophenol	6.875	232	53198	21.191	ug/ml	97
71) 2,3,4,6-Tetrachlorophenol	6.907	232	52979	20.548	ug/ml	97
72) Diethyl phthalate	7.014	149	177381	20.659	ug/ml	98
73) Fluorene	7.078	166	168729	20.064	ug/ml	93
74) 4-Chlorophenyl phenyl ...	7.089	204	79990	19.824	ug/ml	96

Quantitation Report (QT Reviewed)

Data Path : I:\8270\GCMS5\200401nical\  
 Data File : ABNL6.d  
 Acq On : 2 Apr 2020 12:11 am  
 Operator : gcms5:ek  
 Sample : IL5,32,,ABNL20 Lot# 8662  
 Misc : wgl357700,,  
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 02 10:35:56 2020  
 Quant Method : i:\8270\gcms5\200401nical\FS200401gcms5.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Thu Apr 02 10:35:43 2020  
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\GCMS5\200401nical\ABNL7.d  
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
75) 4-Nitroaniline	7.094	138	47268	21.419	ug/ml	91
76) 4,6-Dinitro-o-cresol	7.126	198	30009	18.246	ug/ml#	90
77) NDPA/DPA	7.185	169	143063	20.630	ug/ml	96
78) Azobenzene	7.217	77	155265	20.393	ug/ml#	93
80) 4-Bromophenyl phenyl e...	7.490	248	53038	20.779	ug/ml	94
81) Hexachlorobenzene	7.538	284	60955	20.467	ug/ml	92
82) Pentachlorophenol	7.703	266	37129	17.344	ug/ml	97
89) Phenanthrene	7.874	178	268689	20.146	ug/ml	99
90) Anthracene	7.917	178	268585	20.565	ug/ml	99
91) Carbazole	8.061	167	255141	20.590	ug/ml	98
92) Di-n-butylphthalate	8.414	149	304409	21.409	ug/ml	99
93) Fluoranthene	8.927	202	332577	20.910	ug/ml#	95
94) Benzidine	9.066	184	216793	21.527	ug/ml#	97
95) Pyrene	9.124	202	345777	20.829	ug/ml	99
97) Butyl benzyl phthalate	9.787	149	139727	20.348	ug/ml#	96
105) Benzo(a)anthracene	10.252	228	326676	19.588	ug/ml	99
106) 3,3'-Dichlorobenzidine	10.252	252	127413	21.123	ug/ml	99
107) Chrysene	10.284	228	329122	20.528	ug/ml	98
108) Bis(2-ethylhexyl)phtha...	10.364	149	214576	21.194	ug/ml#	91
109) Di-n-octylphthalate	10.951	149	370740	20.996	ug/ml	99
110) Benzo(b)fluoranthene	11.208	252	369179	21.220	ug/ml	97
111) Benzo(k)fluoranthene	11.234	252	309907	19.882	ug/ml	98
112) Benzo(a)pyrene	11.475	252	327334	21.043	ug/ml	97
114) Indeno(1,2,3-cd)pyrene	12.362	276	349751M6	20.664	ug/mL	
115) Dibenzo(a,h)anthracene	12.383	278	328378	21.870	ug/ml	99
116) Benzo(ghi)perylene	12.586	276	353522	20.918	ug/ml	98

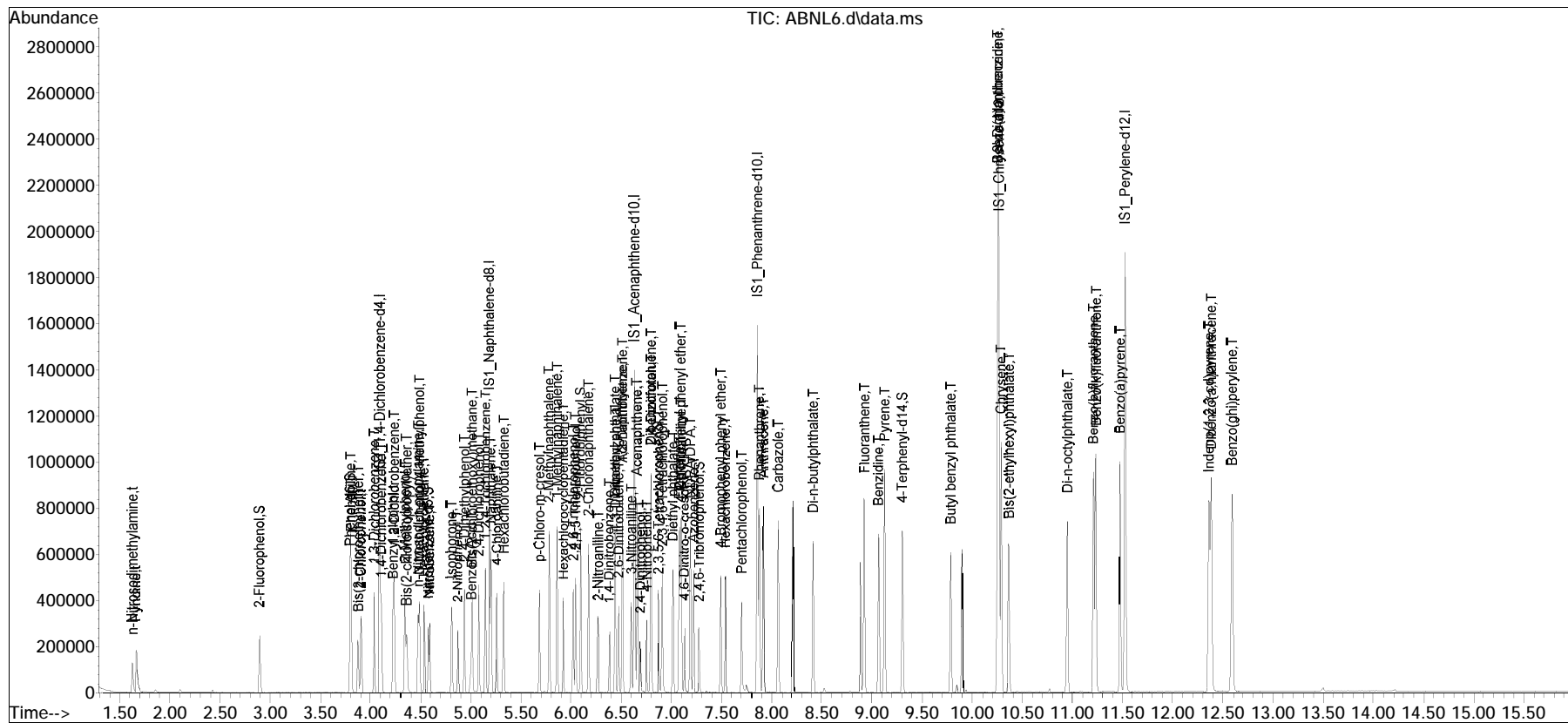
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\GCMS5\200401nical\  
 Data File : ABNL6.d  
 Acq On : 2 Apr 2020 12:11 am  
 Operator : gcms5:ek  
 Sample : IL5,32,,ABNL20 Lot# 8662  
 Misc : wg1357700,,  
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 02 10:35:56 2020  
 Quant Method : i:\8270\gcms5\200401nical\FS200401gcms5.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Thu Apr 02 10:35:43 2020  
 Response via : Initial Calibration

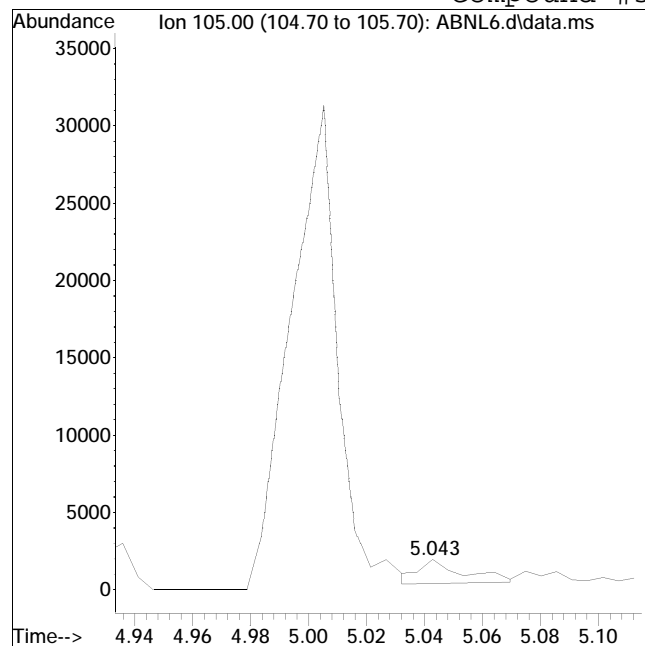
Sub List : ABNical - ABN ical sublistcal\ABNL7.d•



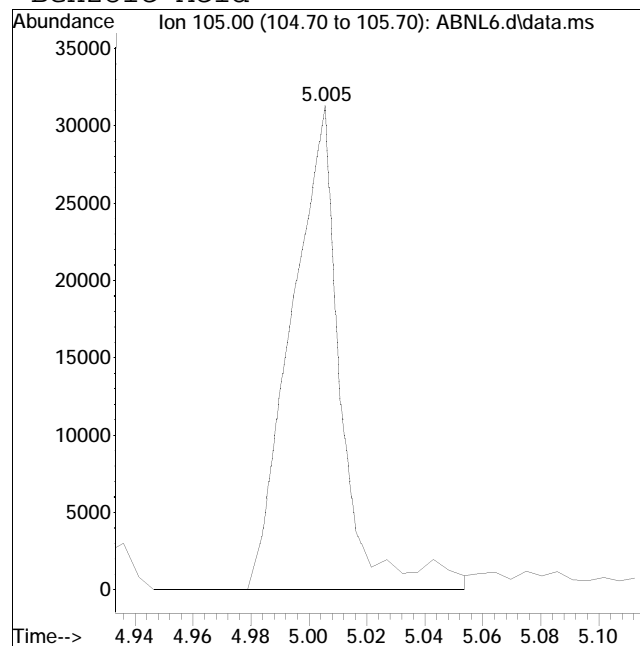
# Manual Integration Report

Data Path : I:\8270\GCMS5\200401nical\QMethod : FS200401gcms5.m  
Data File : ABNL6.d Operator : gcms5:ek  
Date Inj'd : 4/2/2020 12:11 am Instrument : GCMS5  
Sample : IL5,32,,ABNL20 Lot# 8662 Quant Date : 4/2/2020 10:35 am

## Compound #37: Benzoic Acid



Original Peak Response = 1612



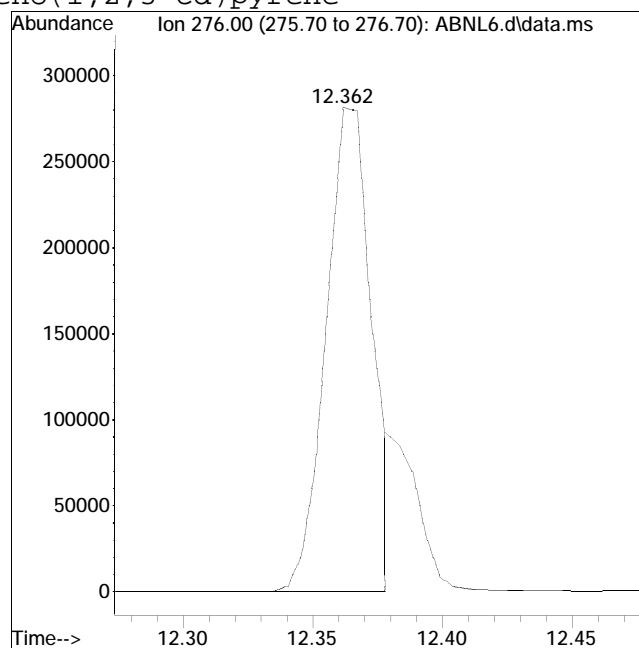
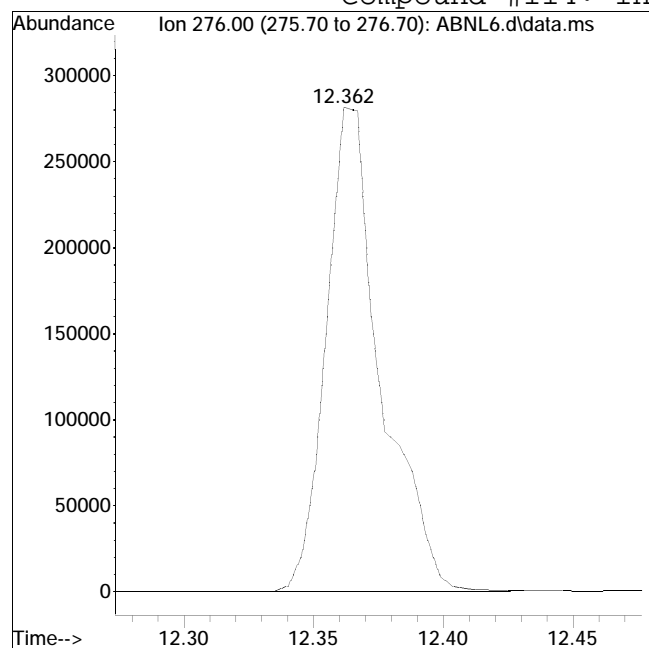
Manual Peak Response = 37286 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\GCMS5\200401nical\QMethod : FS200401gcms5.m  
Data File : ABNL6.d Operator : gcms5:ek  
Date Inj'd : 4/2/2020 12:11 am Instrument : GCMS5  
Sample : IL5,32,,ABNL20 Lot# 8662 Quant Date : 4/2/2020 10:35 am

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 414408

Manual Peak Response = 349751 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\GCMS5\200401nical\  
 Data File : ABNL5.d  
 Acq On : 2 Apr 2020 12:33 am  
 Operator : gcms5:ek  
 Sample : IL6,32,,ABNL10 Lot# 8661  
 Misc : wgl357700,,  
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 02 11:24:18 2020  
 Quant Method : i:\8270\gcms5\200401nical\FS200401gcms5.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Thu Apr 02 11:24:06 2020  
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\GCMS5\200401nical\ABNL7.d  
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
<b>Internal Standards</b>						
1) IS1_1,4-Dichlorobenzen...	4.092	152	127956	40.000	ug/ml	0.00
Standard Area 1 = 126049			Recovery =	101.51%		
35) IS1_Naphthalene-d8	5.182	136	454751	40.000	ug/ml	0.00
Standard Area 1 = 445038			Recovery =	102.18%		
63) IS1_Acenaphthene-d10	6.630	164	270046	40.000	ug/ml	0.00
Standard Area 1 = 262232			Recovery =	102.98%		
88) IS1_Phenanthrene-d10	7.853	188	552871	40.000	ug/ml	0.00
Standard Area 1 = 543330			Recovery =	101.76%		
104) IS1_Chrysene-d12	10.262	240	559204	40.000	ug/ml	# 0.00
Standard Area 1 = 576405			Recovery =	97.02%		
113) IS1_Perylene-d12	11.523	264	624868	40.000	ug/ml	0.00
Standard Area 1 = 649115			Recovery =	96.26%		
<b>System Monitoring Compounds</b>						
4) 2-Fluorophenol	2.895	112	34749	9.860	ug/ml	0.00
Spiked Amount 50.000	Range 15 - 110		Recovery =	19.72%		
7) Phenol-d6	3.793	99	43056	9.855	ug/ml	0.00
Spiked Amount 50.000	Range 15 - 110		Recovery =	19.71%		
19) Nitrobenzene-d5	4.573	82	39369	9.963	ug/ml	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	39.85%		
46) 2-Fluorobiphenyl	6.095	172	92604	10.269	ug/ml	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	41.08%		
79) 2,4,6-Tribromophenol	7.276	330	16119	9.815	ug/ml	0.00
Spiked Amount 50.000	Range 15 - 110		Recovery =	19.63%		
96) 4-Terphenyl-d14	9.301	244	115113	9.933	ug/ml	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	39.73%		
<b>Target Compounds</b>						
2) n-Nitrosodimethylamine	1.629	74	22856	10.128	ug/ml#	92
3) Pyridine	1.672	79	38176	9.631	ug/ml	87
5) Aniline	3.798	93	57245	10.014	ug/ml	95
6) 2-Chlorophenol	3.900	128	40838	9.962	ug/ml	93
8) Phenol	3.804	94	51467	9.817	ug/ml	96
9) Bis(2-chloroethyl)ether	3.878	93	34002	10.077	ug/ml	88
10) 1,3-Dichlorobenzene	4.039	146	48827	10.186	ug/ml	98
11) 1,4-Dichlorobenzene	4.108	146	48129	9.706	ug/ml	97
12) 1,2-Dichlorobenzene	4.236	146	48358	10.132	ug/ml	97
13) Benzyl alcohol	4.226	79	29321	9.877	ug/ml	99
14) Bis(2-chloroisopropyl)...	4.359	45	62825	9.932	ug/ml#	88

Quantitation Report (QT Reviewed)

Data Path : I:\8270\GCMS5\200401nical\  
 Data File : ABNL5.d  
 Acq On : 2 Apr 2020 12:33 am  
 Operator : gcms5:ek  
 Sample : IL6,32,,ABNL10 Lot# 8661  
 Misc : wgl357700,,  
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 02 11:24:18 2020  
 Quant Method : i:\8270\gcms5\200401nical\FS200401gcms5.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Thu Apr 02 11:24:06 2020  
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\GCMS5\200401nical\ABNL7.d  
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
15) 2-Methylphenol	4.343	108	34539	9.856	ug/ml	96
16) Hexachloroethane	4.530	117	19532	10.132	ug/ml	90
17) n-Nitrosodi-n-propylamine	4.471	70	25454	9.710	ug/ml#	92
18) 3-Methylphenol/4-Methy...	4.482	108	37361	9.920	ug/ml	99
20) Nitrobenzene	4.589	77	39959	10.020	ug/ml	96
21) Isophorone	4.803	82	68480	9.899	ug/ml	96
22) 2-Nitrophenol	4.867	139	21562	9.439	ug/ml#	94
23) 2,4-Dimethylphenol	4.936	107	37051	10.079	ug/ml	94
24) Bis(2-chloroethoxy)met...	5.011	93	46228	10.214	ug/ml	97
25) 2,4-Dichlorophenol	5.075	162	39536	10.214	ug/ml	98
26) 1,2,4-Trichlorobenzene	5.144	180	45147	9.904	ug/ml	94
36) Naphthalene	5.198	128	119518	10.291	ug/ml	99
37) Benzoic Acid	4.995	105	14668M6	10.847	ug/ml	
38) 4-Chloroaniline	5.262	65	14498	10.086	ug/ml	94
39) Hexachlorobutadiene	5.331	225	25624	10.352	ug/ml	99
40) p-Chloro-m-cresol	5.684	107	35548	10.646	ug/ml	96
41) 2-Methylnaphthalene	5.780	142	84787	10.268	ug/ml	95
42) 1-Methylnaphthalene	5.860	115	26899	10.235	ug/ml	95
43) Hexachlorocyclopentadiene	5.924	237	33695	9.765	ug/ml	99
44) 2,4,6-Trichlorophenol	6.026	196	30645	10.479	ug/ml	97
45) 2,4,5-Trichlorophenol	6.047	196	32102	10.012	ug/ml	97
47) 2-Chloronaphthalene	6.176	162	87131	10.346	ug/ml	99
48) 2-Nitroaniline	6.266	138	27664	9.813	ug/ml	93
49) 1,4-Dinitrobenzene	6.379	168	11252	9.290	ug/ml	88
50) 1,3-Dinitrobenzene	6.443	168	13219	9.729	ug/ml	86
51) Dimethyl phthalate	6.437	163	97879	10.046	ug/ml#	98
52) Acenaphthylene	6.512	152	135285	10.576	ug/ml	99
53) 2,6-Dinitrotoluene	6.475	165	21261	10.141	ug/ml	97
54) 1,2-Dinitrobenzene	6.507	168	8195	9.782	ug/ml	99
64) 3-Nitroaniline	6.603	138	24933	10.133	ug/ml	98
65) Acenaphthene	6.656	154	80623	10.498	ug/ml	94
66) 2,4-Dinitrophenol	6.688	184	11500	10.117	ug/ml	94
67) Dibenzofuran	6.801	168	124469	10.437	ug/ml	99
68) 2,4-Dinitrotoluene	6.795	165	30361	10.606	ug/ml	96
69) 4-Nitrophenol	6.752	65	18310	10.181	ug/ml	90
70) 2,3,5,6-Tetrachlorophenol	6.870	232	29480	10.233	ug/ml	98
71) 2,3,4,6-Tetrachlorophenol	6.907	232	29742	10.163	ug/ml	98
72) Diethyl phthalate	7.014	149	100711	10.434	ug/ml	96
73) Fluorene	7.078	166	97690	10.389	ug/ml	94
74) 4-Chlorophenyl phenyl ...	7.089	204	46947	10.418	ug/ml	95

Quantitation Report (QT Reviewed)

Data Path : I:\8270\GCMS5\200401nical\  
 Data File : ABNL5.d  
 Acq On : 2 Apr 2020 12:33 am  
 Operator : gcms5:ek  
 Sample : IL6,32,,ABNL10 Lot# 8661  
 Misc : wgl357700,,  
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 02 11:24:18 2020  
 Quant Method : i:\8270\gcms5\200401nical\FS200401gcms5.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Thu Apr 02 11:24:06 2020  
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\GCMS5\200401nical\ABNL7.d  
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
75) 4-Nitroaniline	7.094	138	25944	10.233	ug/ml	91
76) 4,6-Dinitro-o-cresol	7.126	198	14835	8.308	ug/ml	89
77) NDPA/DPA	7.185	169	81684	10.513	ug/ml	95
78) Azobenzene	7.217	77	91211	10.726	ug/ml#	92
80) 4-Bromophenyl phenyl e...	7.490	248	30066	10.387	ug/ml	92
81) Hexachlorobenzene	7.538	284	32227	9.521	ug/ml#	89
82) Pentachlorophenol	7.703	266	20756	9.797	ug/ml	97
89) Phenanthrene	7.874	178	151560	10.310	ug/ml	99
90) Anthracene	7.917	178	152135	10.447	ug/ml	99
91) Carbazole	8.061	167	144621	10.490	ug/ml	99
92) Di-n-butylphthalate	8.414	149	166322	10.326	ug/ml	99
93) Fluoranthene	8.921	202	187324	10.534	ug/ml#	95
94) Benzidine	9.066	184	113391	9.824	ug/ml#	96
95) Pyrene	9.124	202	193259	10.502	ug/ml	98
97) Butyl benzyl phthalate	9.787	149	73919	9.424	ug/ml#	96
105) Benzo(a)anthracene	10.252	228	180229	10.237	ug/ml	98
106) 3,3'-Dichlorobenzidine	10.252	252	66170	9.933	ug/ml	99
107) Chrysene	10.284	228	176918	10.470	ug/ml	97
108) Bis(2-ethylhexyl)phtha...	10.358	149	112153	10.575	ug/ml#	90
109) Di-n-octylphthalate	10.946	149	187974	9.744	ug/ml	97
110) Benzo(b)fluoranthene	11.208	252	180229	9.562	ug/ml	97
111) Benzo(k)fluoranthene	11.229	252	173939	10.579	ug/ml	97
112) Benzo(a)pyrene	11.475	252	170678	10.190	ug/ml	96
114) Indeno(1,2,3-cd)pyrene	12.362	276	181617M6	9.787	ug/mL	
115) Dibenzo(a,h)anthracene	12.383	278	163139	9.956	ug/ml	98
116) Benzo(ghi)perylene	12.586	276	179067	9.850	ug/ml	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

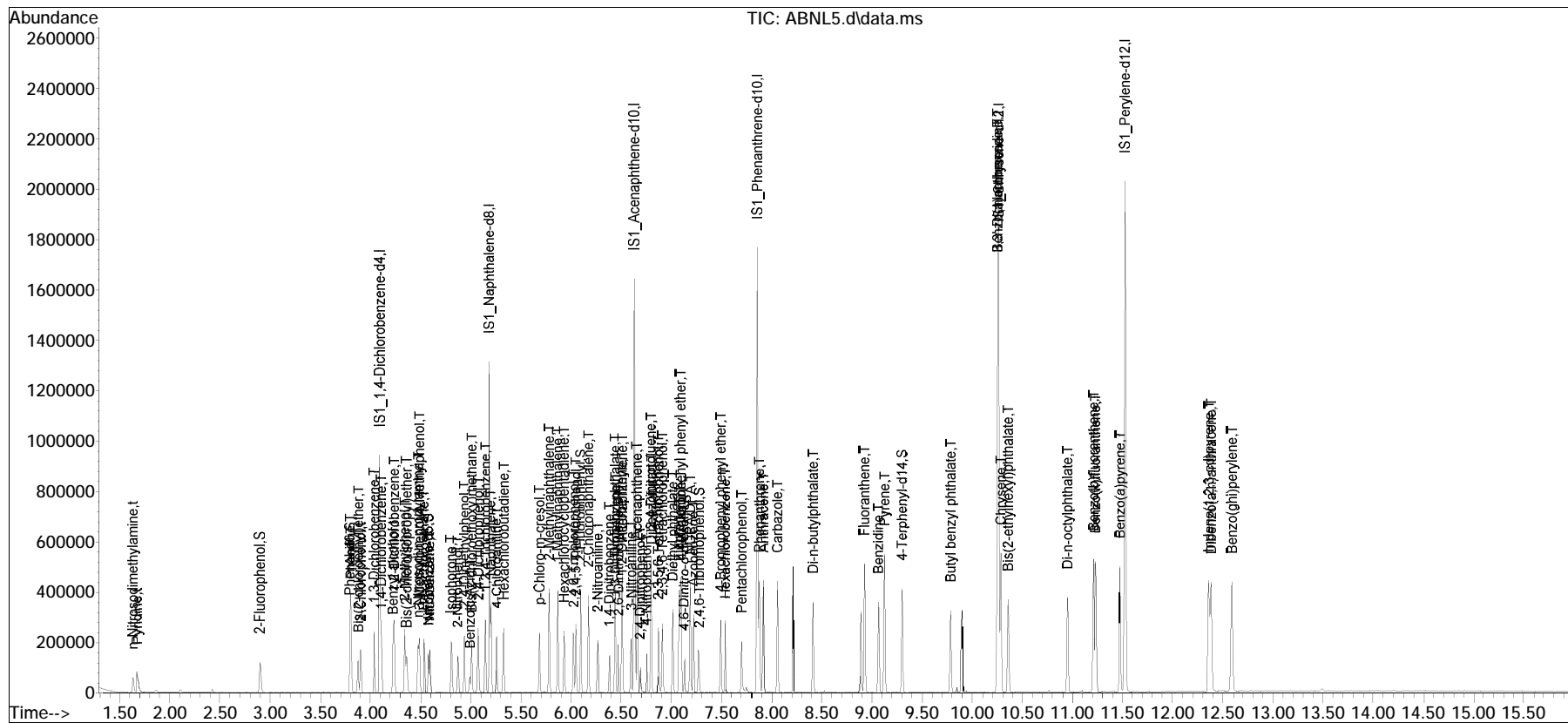


Quantitation Report (QT Reviewed)

Data Path : I:\8270\GCMS5\200401nical\  
 Data File : ABNL5.d  
 Acq On : 2 Apr 2020 12:33 am  
 Operator : gcms5:ek  
 Sample : IL6,32,,ABNL10 Lot# 8661  
 Misc : wg1357700,,  
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 02 11:24:18 2020  
 Quant Method : i:\8270\gcms5\200401nical\FS200401gcms5.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Thu Apr 02 11:24:06 2020  
 Response via : Initial Calibration

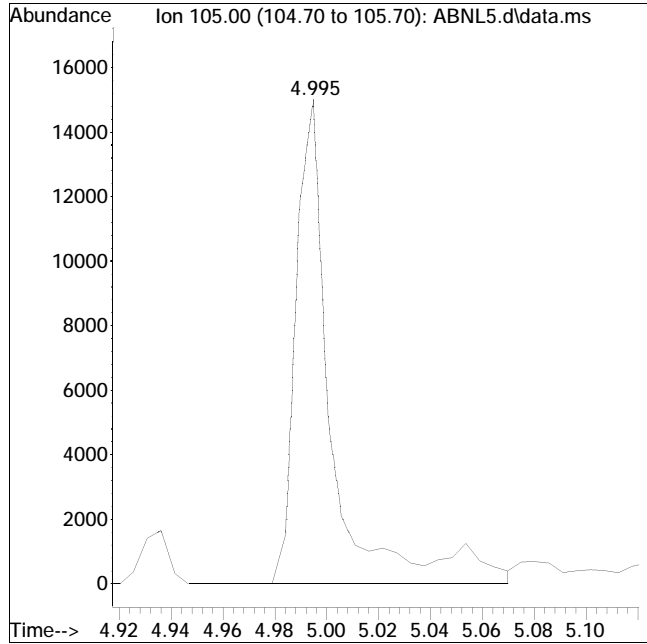
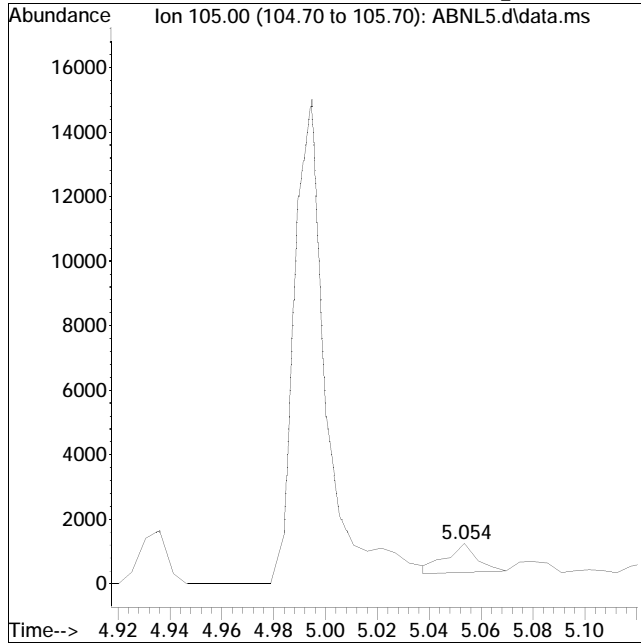
Sub List : ABNical - ABN ical sublistcal\ABNL7.d•



Manual Integration Report

Data Path : I:\8270\GCMS5\200401nical\QMethod : FS200401gcms5.m  
Data File : ABNL5.d Operator : gcms5:ek  
Date Inj'd : 4/2/2020 12:33 am Instrument : GCMS5  
Sample : IL6,32,,ABNL10 Lot# 8661 Quant Date : 4/2/2020 11:24 am

Compound #37: Benzoic Acid



Original Peak Response = 730

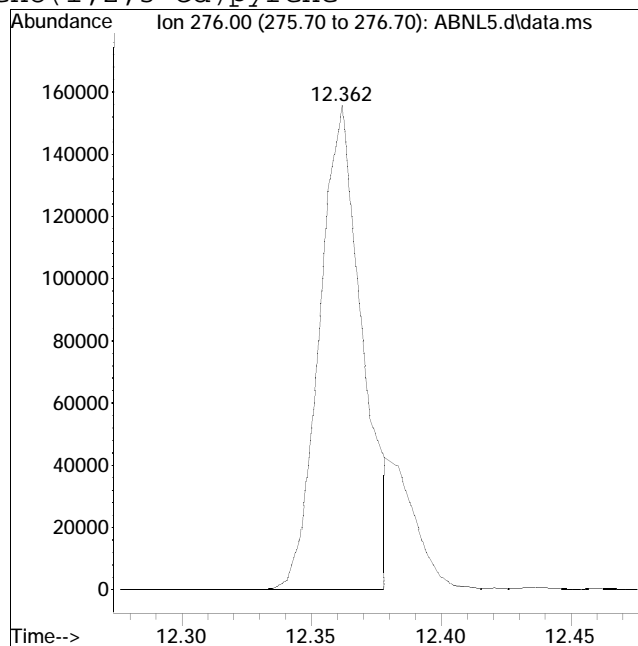
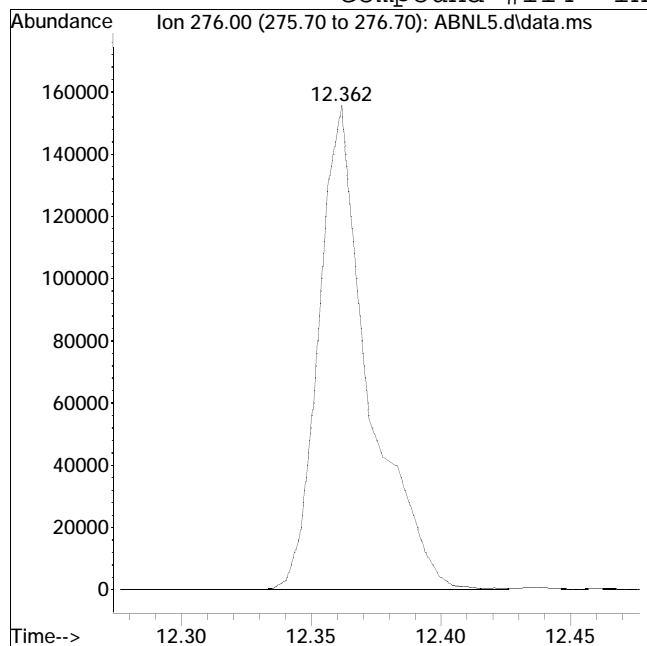
Manual Peak Response = 14668 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : I:\8270\GCMS5\200401nical\QMethod : FS200401gcms5.m  
Data File : ABNL5.d Operator : gcms5:ek  
Date Inj'd : 4/2/2020 12:33 am Instrument : GCMS5  
Sample : IL6,32,,ABNL10 Lot# 8661 Quant Date : 4/2/2020 11:24 am

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 209467

Manual Peak Response = 181617 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\GCMS5\200401nical\  
 Data File : ABNL4.d  
 Acq On : 2 Apr 2020 12:56 am  
 Operator : gcms5:ek  
 Sample : IL7,32,,ABNL5 Lot# 8660  
 Misc : wgl357700,,  
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Apr 02 11:23:04 2020  
 Quant Method : i:\8270\gcms5\200401nical\FS200401gcms5.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Thu Apr 02 11:22:51 2020  
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\GCMS5\200401nical\ABNL7.d  
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
<b>Internal Standards</b>						
1) IS1_1,4-Dichlorobenzen...	4.092	152	115810	40.000	ug/ml	0.00
Standard Area 1 = 126049			Recovery =	91.88%		
35) IS1_Naphthalene-d8	5.182	136	421607	40.000	ug/ml	0.00
Standard Area 1 = 445038			Recovery =	94.74%		
63) IS1_Acenaphthene-d10	6.630	164	252174	40.000	ug/ml	0.00
Standard Area 1 = 262232			Recovery =	96.16%		
88) IS1_Phenanthrene-d10	7.853	188	520635	40.000	ug/ml	0.00
Standard Area 1 = 543330			Recovery =	95.82%		
104) IS1_Chrysene-d12	10.257	240	521235	40.000	ug/ml	# 0.00
Standard Area 1 = 576405			Recovery =	90.43%		
113) IS1_Perylene-d12	11.523	264	594138	40.000	ug/ml	0.00
Standard Area 1 = 649115			Recovery =	91.53%		
<b>System Monitoring Compounds</b>						
4) 2-Fluorophenol	2.895	112	16086	5.043	ug/ml	0.00
Spiked Amount 50.000	Range 15 - 110		Recovery =	10.09%#		
7) Phenol-d6	3.793	99	19248	4.868	ug/ml	0.00
Spiked Amount 50.000	Range 15 - 110		Recovery =	9.74%#		
19) Nitrobenzene-d5	4.573	82	16807	4.700	ug/ml	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	18.80%#		
46) 2-Fluorobiphenyl	6.095	172	41720	4.990	ug/ml	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	19.96%#		
79) 2,4,6-Tribromophenol	7.276	330	7032	4.585	ug/ml	0.00
Spiked Amount 50.000	Range 15 - 110		Recovery =	9.17%#		
96) 4-Terphenyl-d14	9.301	244	52486	4.809	ug/ml	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	19.24%#		
<b>Target Compounds</b>						
						Qvalue
2) n-Nitrosodimethylamine	1.629	74	10133	4.961	ug/ml#	81
3) Pyridine	1.672	79	16884	4.706	ug/ml#	80
5) Aniline	3.798	93	26315	5.086	ug/ml	98
6) 2-Chlorophenol	3.905	128	18494	4.984	ug/ml	99
8) Phenol	3.804	94	23883	5.033	ug/ml	98
9) Bis(2-chloroethyl)ether	3.878	93	15307	5.012	ug/ml	87
10) 1,3-Dichlorobenzene	4.039	146	21074	4.858	ug/ml	96
11) 1,4-Dichlorobenzene	4.108	146	22213	4.950	ug/ml	96
12) 1,2-Dichlorobenzene	4.236	146	21791	5.045	ug/ml	97
13) Benzyl alcohol	4.226	79	13172	4.902	ug/ml	99
14) Bis(2-chloroisopropyl)...	4.359	45	29261	5.111	ug/ml#	89

Quantitation Report (QT Reviewed)

Data Path : I:\8270\GCMS5\200401nical\  
 Data File : ABNL4.d  
 Acq On : 2 Apr 2020 12:56 am  
 Operator : gcms5:ek  
 Sample : IL7,32,,ABNL5 Lot# 8660  
 Misc : wgl357700,,  
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Apr 02 11:23:04 2020  
 Quant Method : i:\8270\gcms5\200401nical\FS200401gcms5.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Thu Apr 02 11:22:51 2020  
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\GCMS5\200401nical\ABNL7.d  
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
15) 2-Methylphenol	4.343	108	14852	4.683	ug/ml	97
16) Hexachloroethane	4.530	117	8675	4.972	ug/ml#	85
17) n-Nitrosodi-n-propylamine	4.471	70	12233	5.156	ug/ml#	91
18) 3-Methylphenol/4-Methy...	4.482	108	16406	4.813	ug/ml	97
20) Nitrobenzene	4.589	77	17044	4.722	ug/ml	94
21) Isophorone	4.808	82	30211	4.825	ug/ml#	96
22) 2-Nitrophenol	4.867	139	9719	4.701	ug/ml	95
23) 2,4-Dimethylphenol	4.936	107	18088	5.436	ug/ml	85
24) Bis(2-chloroethoxy)met...	5.011	93	20738	5.063	ug/ml#	97
25) 2,4-Dichlorophenol	5.075	162	17580	5.018	ug/ml	97
26) 1,2,4-Trichlorobenzene	5.144	180	20641	5.003	ug/ml	97
36) Naphthalene	5.198	128	53588	4.977	ug/ml	99
37) Benzoic Acid	0.000		0	N.D.	d	
38) 4-Chloroaniline	5.257	65	6334	4.753	ug/ml	97
39) Hexachlorobutadiene	5.331	225	10488	4.570	ug/ml	89
40) p-Chloro-m-cresol	5.684	107	14793	4.778	ug/ml	97
41) 2-Methylnaphthalene	5.780	142	38376	5.013	ug/ml	92
42) 1-Methylnaphthalene	5.860	115	11597	4.760	ug/ml	92
43) Hexachlorocyclopentadiene	5.930	237	14210	4.442	ug/ml	96
44) 2,4,6-Trichlorophenol	6.026	196	12284	4.531	ug/ml	99
45) 2,4,5-Trichlorophenol	6.047	196	13828	4.652	ug/ml	96
47) 2-Chloronaphthalene	6.176	162	38735	4.961	ug/ml	99
48) 2-Nitroaniline	6.266	138	11755	4.498	ug/ml	96
49) 1,4-Dinitrobenzene	6.379	168	4908	4.371	ug/ml#	78
50) 1,3-Dinitrobenzene	6.443	168	5516	4.379	ug/ml	88
51) Dimethyl phthalate	6.437	163	44532	4.930	ug/ml#	98
52) Acenaphthylene	6.512	152	59211	4.993	ug/ml	98
53) 2,6-Dinitrotoluene	6.475	165	9103	4.683	ug/ml	98
54) 1,2-Dinitrobenzene	6.507	168	3912	5.037	ug/ml	98
64) 3-Nitroaniline	6.603	138	10630	4.626	ug/ml	96
65) Acenaphthene	6.656	154	36618	5.106	ug/ml	98
66) 2,4-Dinitrophenol	6.688	184	2990	5.190	ug/ml#	81
67) Dibenzofuran	6.801	168	56283	5.054	ug/ml	99
68) 2,4-Dinitrotoluene	6.795	165	13011	4.867	ug/ml	95
69) 4-Nitrophenol	6.752	65	7764	4.623	ug/ml	93
70) 2,3,5,6-Tetrachlorophenol	6.870	232	11871	4.413	ug/ml	99
71) 2,3,4,6-Tetrachlorophenol	6.907	232	12833	4.696	ug/ml	99
72) Diethyl phthalate	7.014	149	44660	4.955	ug/ml	96
73) Fluorene	7.078	166	42756	4.869	ug/ml	92
74) 4-Chlorophenyl phenyl ...	7.089	204	20754	4.932	ug/ml	98

Quantitation Report (QT Reviewed)

Data Path : I:\8270\GCMS5\200401nical\  
 Data File : ABNL4.d  
 Acq On : 2 Apr 2020 12:56 am  
 Operator : gcms5:ek  
 Sample : IL7,32,,ABNL5 Lot# 8660  
 Misc : wgl357700,,  
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Apr 02 11:23:04 2020  
 Quant Method : i:\8270\gcms5\200401nical\FS200401gcms5.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Thu Apr 02 11:22:51 2020  
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\GCMS5\200401nical\ABNL7.d  
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
75) 4-Nitroaniline	7.094	138	10946	4.623	ug/ml	90
76) 4,6-Dinitro-o-cresol	7.126	198	6113	3.666	ug/ml	95
77) NDPA/DPA	7.185	169	35104	4.838	ug/ml	92
78) Azobenzene	7.217	77	39610	4.988	ug/ml#	91
80) 4-Bromophenyl phenyl e...	7.490	248	13029	4.820	ug/ml	96
81) Hexachlorobenzene	7.538	284	14477	4.580	ug/ml#	85
82) Pentachlorophenol	7.703	266	7513	4.944	ug/ml	96
89) Phenanthrene	7.874	178	69174	4.997	ug/ml	99
90) Anthracene	7.917	178	66530	4.851	ug/ml	98
91) Carbazole	8.061	167	64328	4.955	ug/ml	99
92) Di-n-butylphthalate	8.414	149	70510	4.648	ug/ml	98
93) Fluoranthene	8.921	202	82907	4.951	ug/ml#	96
94) Benzidine	9.066	184	47669	4.386	ug/ml	99
95) Pyrene	9.124	202	87078	5.025	ug/ml	97
97) Butyl benzyl phthalate	9.787	149	31098	4.210	ug/ml#	95
105) Benzo(a)anthracene	10.252	228	80700	4.918	ug/ml	99
106) 3,3'-Dichlorobenzidine	10.252	252	28120	4.528	ug/ml	98
107) Chrysene	10.284	228	78769	5.001	ug/ml	98
108) Bis(2-ethylhexyl)phtha...	10.358	149	46582	4.712	ug/ml#	89
109) Di-n-octylphthalate	10.951	149	75754	4.213	ug/ml	98
110) Benzo(b)fluoranthene	11.208	252	82721	4.708	ug/ml	97
111) Benzo(k)fluoranthene	11.229	252	78503	5.122	ug/ml	99
112) Benzo(a)pyrene	11.475	252	73724	4.722	ug/ml	99
114) Indeno(1,2,3-cd)pyrene	12.362	276	82352M6	4.667	ug/mL	
115) Dibenzo(a,h)anthracene	12.378	278	72479	4.652	ug/ml	99
116) Benzo(ghi)perylene	12.581	276	82374	4.765	ug/ml	99

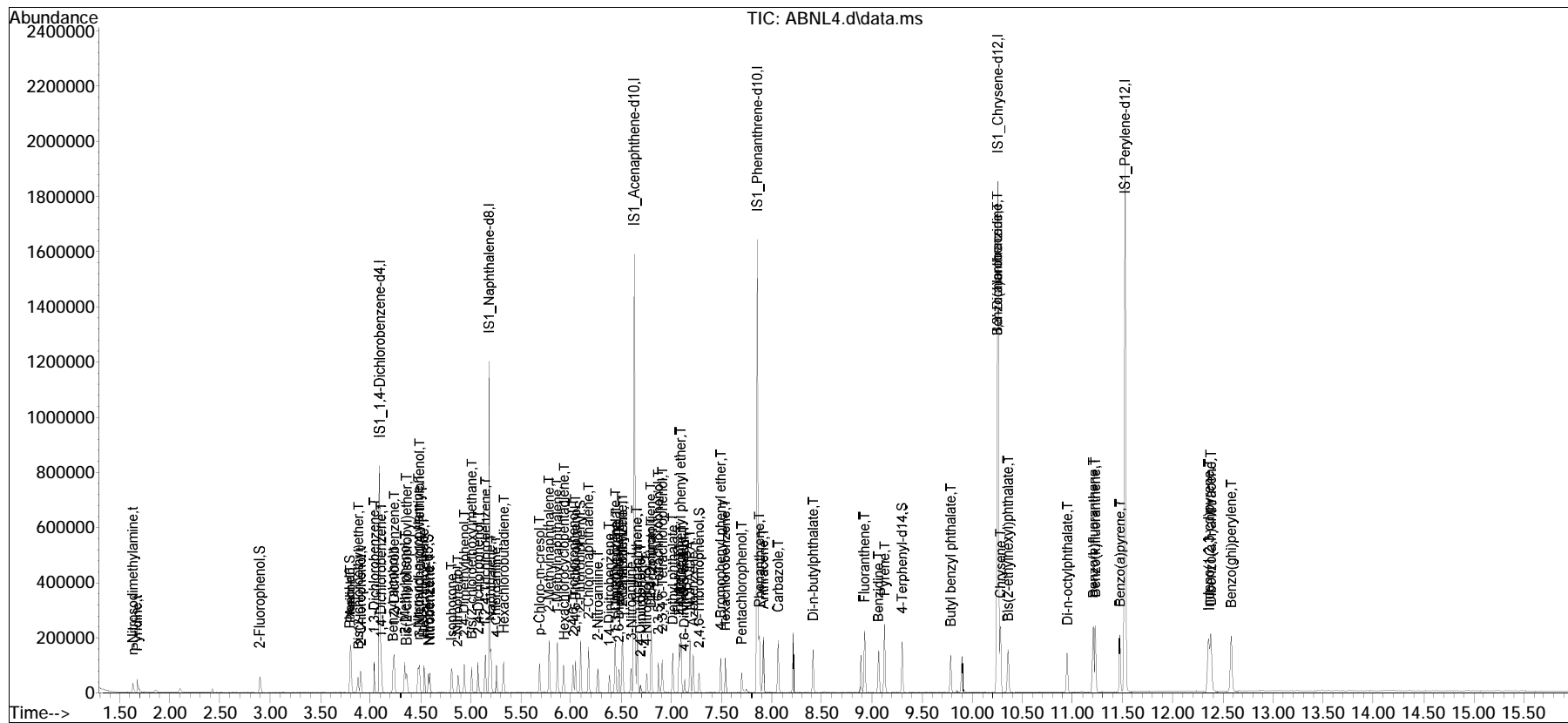
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\GCMS5\200401nical\  
 Data File : ABNL4.d  
 Acq On : 2 Apr 2020 12:56 am  
 Operator : gcms5:ek  
 Sample : IL7,32,,ABNL5 Lot# 8660  
 Misc : wg1357700,,  
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Apr 02 11:23:04 2020  
 Quant Method : i:\8270\gcms5\200401nical\FS200401gcms5.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Thu Apr 02 11:22:51 2020  
 Response via : Initial Calibration

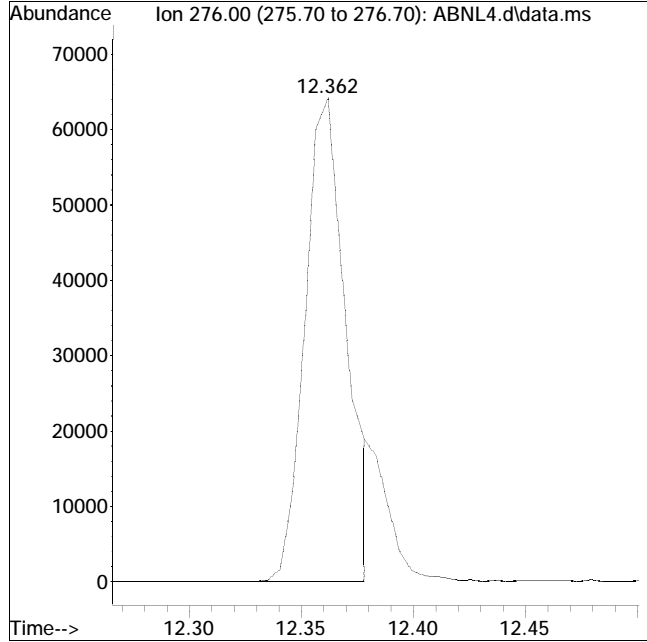
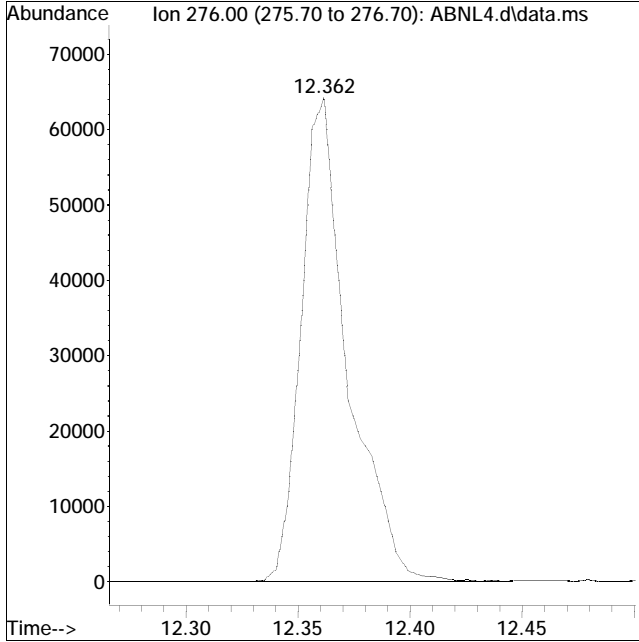
Sub List : ABNical - ABN ical sublistcal\ABNL7.d•



Manual Integration Report

Data Path : I:\8270\GCMS5\200401nical\QMethod : FS200401gcms5.m  
Data File : ABNL4.d Operator : gcms5:ek  
Date Inj'd : 4/2/2020 12:56 am Instrument : GCMS5  
Sample : IL7,32,,ABNL5 Lot# 8660 Quant Date : 4/2/2020 11:22 am

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 93536

Manual Peak Response = 82352 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).



Quantitation Report (QT Reviewed)

Data Path : I:\8270\GCMS5\200401nical\  
 Data File : ABNL3.d  
 Acq On : 2 Apr 2020 1:18 am  
 Operator : gcms5:ek  
 Sample : IL8,32,,ABNL3 Lot# 8659  
 Misc : wgl357700,,  
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 02 11:21:24 2020  
 Quant Method : i:\8270\gcms5\200401nical\FS200401gcms5.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Thu Apr 02 11:21:13 2020  
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\GCMS5\200401nical\ABNL7.d  
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
-----							
Internal Standards							
1) IS1_1,4-Dichlorobenzen...	4.092	152	127936	40.000	ug/ml	0.00	
Standard Area 1 = 126049			Recovery = 101.50%				
35) IS1_Naphthalene-d8	5.182	136	465451	40.000	ug/ml	0.00	
Standard Area 1 = 445038			Recovery = 104.59%				
63) IS1_Acenaphthene-d10	6.629	164	275234	40.000	ug/ml	0.00	
Standard Area 1 = 262232			Recovery = 104.96%				
88) IS1_Phenanthrene-d10	7.853	188	556369	40.000	ug/ml	0.00	
Standard Area 1 = 543330			Recovery = 102.40%				
104) IS1_Chrysene-d12	10.257	240	546216	40.000	ug/ml	# 0.00	
Standard Area 1 = 576405			Recovery = 94.76%				
113) IS1_Perylene-d12	11.523	264	609089	40.000	ug/ml	0.00	
Standard Area 1 = 649115			Recovery = 93.83%				
System Monitoring Compounds							
4) 2-Fluorophenol	2.901	112	9534	2.706	ug/ml	0.00	
Spiked Amount 50.000	Range 15 - 110		Recovery = 5.41%#				
7) Phenol-d6	3.793	99	12944	2.963	ug/ml	0.00	
Spiked Amount 50.000	Range 15 - 110		Recovery = 5.93%#				
19) Nitrobenzene-d5	4.578	82	11350	2.873	ug/ml	0.00	
Spiked Amount 25.000	Range 30 - 130		Recovery = 11.49%#				
46) 2-Fluorobiphenyl	6.095	172	27742	3.006	ug/ml	0.00	
Spiked Amount 25.000	Range 30 - 130		Recovery = 12.02%#				
79) 2,4,6-Tribromophenol	7.276	330	4386	2.620	ug/ml	0.00	
Spiked Amount 50.000	Range 15 - 110		Recovery = 5.24%#				
96) 4-Terphenyl-d14	9.301	244	33396	2.864	ug/ml	0.00	
Spiked Amount 25.000	Range 30 - 130		Recovery = 11.46%#				
Target Compounds							
							Qvalue
2) n-Nitrosodimethylamine	1.634	74	6821	3.023	ug/ml#		95
3) Pyridine	1.683	79	12290	3.101	ug/ml		96
5) Aniline	3.798	93	16653	2.914	ug/ml		93
6) 2-Chlorophenol	3.905	128	12768	3.115	ug/ml		89
8) Phenol	3.803	94	14799	2.823	ug/ml		92
9) Bis(2-chloroethyl)ether	3.878	93	10064	2.983	ug/ml		94
10) 1,3-Dichlorobenzene	4.038	146	14923	3.114	ug/ml		96
11) 1,4-Dichlorobenzene	4.108	146	15049	3.035	ug/ml#		93
12) 1,2-Dichlorobenzene	4.236	146	14115	2.958	ug/ml		96
13) Benzyl alcohol	4.231	79	8784	2.959	ug/ml		98
14) Bis(2-chloroisopropyl)...	4.359	45	20801	3.289	ug/ml#		85

Quantitation Report (QT Reviewed)

Data Path : I:\8270\GCMS5\200401nical\  
 Data File : ABNL3.d  
 Acq On : 2 Apr 2020 1:18 am  
 Operator : gcms5:ek  
 Sample : IL8,32,,ABNL3 Lot# 8659  
 Misc : wgl357700,,  
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 02 11:21:24 2020  
 Quant Method : i:\8270\gcms5\200401nical\FS200401gcms5.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Thu Apr 02 11:21:13 2020  
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\GCMS5\200401nical\ABNL7.d  
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
15) 2-Methylphenol	4.343	108	10206	2.913	ug/ml	97
16) Hexachloroethane	4.530	117	5427	2.816	ug/ml#	79
17) n-Nitrosodi-n-propylamine	4.471	70	7604	2.901	ug/ml#	93
18) 3-Methylphenol/4-Methy...	4.482	108	11318	3.006	ug/ml	95
20) Nitrobenzene	4.589	77	11124	2.790	ug/ml	97
21) Isophorone	4.808	82	19528	2.823	ug/ml	97
22) 2-Nitrophenol	4.872	139	5808	2.543	ug/ml#	91
23) 2,4-Dimethylphenol	4.936	107	10509	2.859	ug/ml	97
24) Bis(2-chloroethoxy)met...	5.011	93	13536	2.991	ug/ml#	94
25) 2,4-Dichlorophenol	5.075	162	10815	2.794	ug/ml	91
26) 1,2,4-Trichlorobenzene	5.144	180	13332	2.925	ug/ml	97
36) Naphthalene	5.198	128	36789	3.095	ug/ml	97
37) Benzoic Acid	0.000		0	N.D.		
38) 4-Chloroaniline	5.257	65	4622	3.142	ug/ml	87
39) Hexachlorobutadiene	5.331	225	7554	2.982	ug/ml	99
40) p-Chloro-m-cresol	5.684	107	9168	2.682	ug/ml	92
41) 2-Methylnaphthalene	5.780	142	25353	3.000	ug/ml	96
42) 1-Methylnaphthalene	5.860	115	8325	3.095	ug/ml	96
43) Hexachlorocyclopentadiene	5.924	237	9581	2.713	ug/ml#	95
44) 2,4,6-Trichlorophenol	6.026	196	8121	2.713	ug/ml	91
45) 2,4,5-Trichlorophenol	6.047	196	8618	2.626	ug/ml#	95
47) 2-Chloronaphthalene	6.175	162	25677	2.979	ug/ml	97
48) 2-Nitroaniline	6.266	138	7151	2.478	ug/ml	91
49) 1,4-Dinitrobenzene	6.378	168	2713	2.188	ug/ml#	63
50) 1,3-Dinitrobenzene	6.442	168	3782	2.720	ug/ml	98
51) Dimethyl phthalate	6.437	163	30055	3.014	ug/ml#	97
52) Acenaphthylene	6.512	152	38981	2.977	ug/ml	98
53) 2,6-Dinitrotoluene	6.475	165	5975	2.784	ug/ml	98
54) 1,2-Dinitrobenzene	6.507	168	2307	2.690	ug/ml	98
64) 3-Nitroaniline	6.603	138	7052	2.812	ug/ml	99
65) Acenaphthene	6.656	154	24981	3.191	ug/ml	99
66) 2,4-Dinitrophenol	6.694	184	1264	4.025	ug/ml#	67
67) Dibenzofuran	6.800	168	37034	3.047	ug/ml	99
68) 2,4-Dinitrotoluene	6.795	165	8018	2.748	ug/ml	97
69) 4-Nitrophenol	6.758	65	4767	2.601	ug/ml	85
70) 2,3,5,6-Tetrachlorophenol	6.875	232	7992	2.722	ug/ml	93
71) 2,3,4,6-Tetrachlorophenol	6.907	232	8015	2.687	ug/ml	94
72) Diethyl phthalate	7.014	149	28454	2.892	ug/ml	97
73) Fluorene	7.078	166	29167	3.043	ug/ml	97
74) 4-Chlorophenyl phenyl ...	7.089	204	13896	3.026	ug/ml	99

Quantitation Report (QT Reviewed)

Data Path : I:\8270\GCMS5\200401nical\  
 Data File : ABNL3.d  
 Acq On : 2 Apr 2020 1:18 am  
 Operator : gcms5:ek  
 Sample : IL8,32,,ABNL3 Lot# 8659  
 Misc : wgl357700,,  
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 02 11:21:24 2020  
 Quant Method : i:\8270\gcms5\200401nical\FS200401gcms5.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Thu Apr 02 11:21:13 2020  
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\GCMS5\200401nical\ABNL7.d  
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
75) 4-Nitroaniline	7.094	138	6414	2.482	ug/ml#	80
76) 4,6-Dinitro-o-cresol	7.126	198	2957	1.625	ug/ml#	71
77) NDPA/DPA	7.185	169	22448	2.835	ug/ml	89
78) Azobenzene	7.217	77	24906	2.874	ug/ml#	91
80) 4-Bromophenyl phenyl e...	7.490	248	8148	2.762	ug/ml#	89
81) Hexachlorobenzene	7.538	284	9479	2.748	ug/ml#	90
82) Pentachlorophenol	7.703	266	4356	3.504	ug/ml	95
89) Phenanthrene	7.874	178	43991	2.974	ug/ml	98
90) Anthracene	7.917	178	42458	2.897	ug/ml	97
91) Carbazole	8.061	167	40496	2.919	ug/ml	97
92) Di-n-butylphthalate	8.414	149	44066	2.719	ug/ml	99
93) Fluoranthene	8.921	202	51746	2.892	ug/ml#	95
94) Benzidine	9.066	184	29542	2.543	ug/ml#	96
95) Pyrene	9.124	202	54547	2.945	ug/ml	98
97) Butyl benzyl phthalate	9.787	149	19935	2.525	ug/ml	97
105) Benzo(a)anthracene	10.252	228	50562	2.940	ug/ml	97
106) 3,3'-Dichlorobenzidine	10.252	252	16703	2.567	ug/ml#	94
107) Chrysene	10.284	228	49796	3.017	ug/ml	99
108) Bis(2-ethylhexyl)phtha...	10.358	149	27338	2.639	ug/ml#	88
109) Di-n-octylphthalate	10.946	149	45961	2.439	ug/ml	100
110) Benzo(b)fluoranthene	11.208	252	52706	2.863	ug/ml	98
111) Benzo(k)fluoranthene	11.229	252	48267	3.005	ug/ml	99
112) Benzo(a)pyrene	11.475	252	46176	2.822	ug/ml	99
114) Indeno(1,2,3-cd)pyrene	12.362	276	45827M6	2.533	ug/mL	
115) Dibenzo(a,h)anthracene	12.383	278	44299	2.774	ug/ml	95
116) Benzo(ghi)perylene	12.581	276	50731	2.863	ug/ml	98

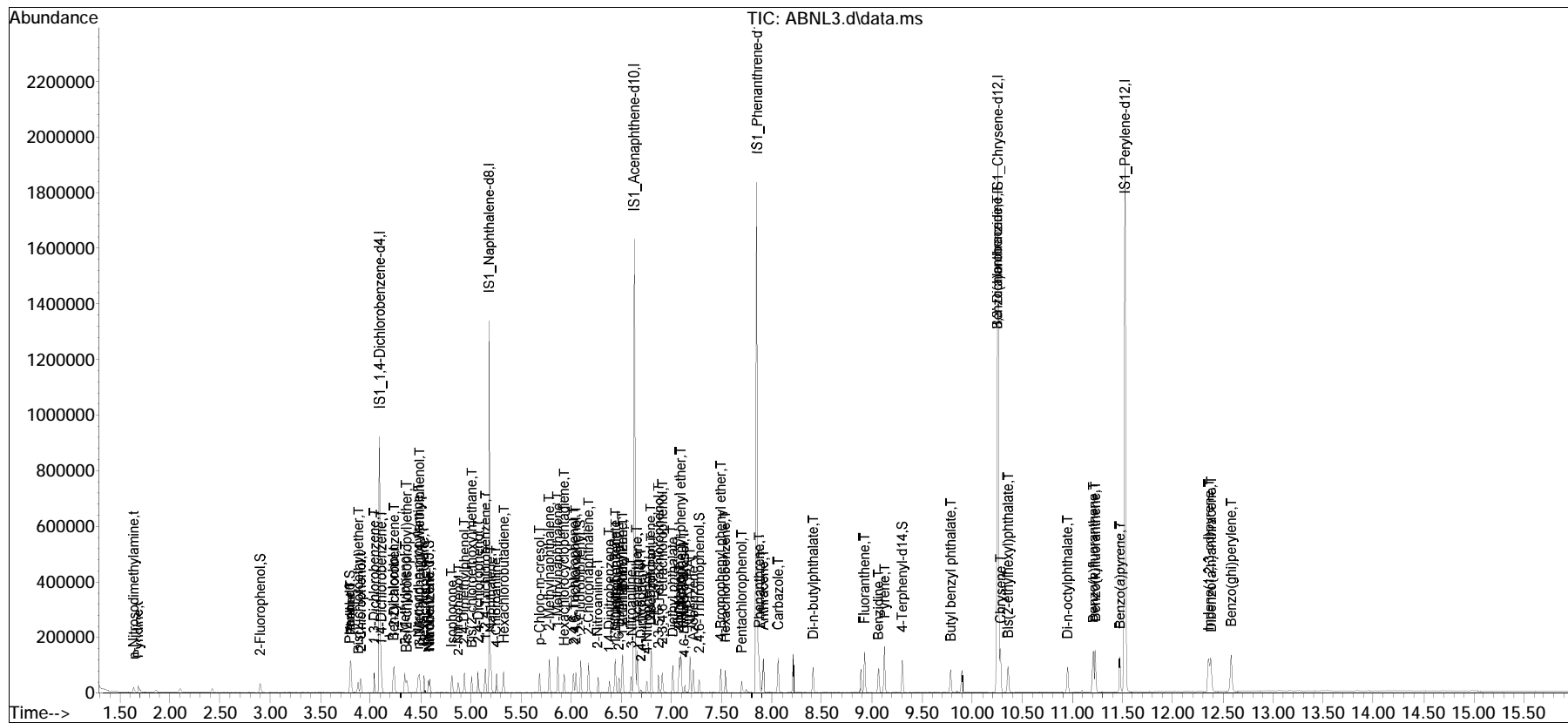
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\GCMS5\200401nical\  
 Data File : ABNL3.d  
 Acq On : 2 Apr 2020 1:18 am  
 Operator : gcms5:ek  
 Sample : IL8,32,,ABNL3 Lot# 8659  
 Misc : wg1357700,,  
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 02 11:21:24 2020  
 Quant Method : i:\8270\gcms5\200401nical\FS200401gcms5.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Thu Apr 02 11:21:13 2020  
 Response via : Initial Calibration

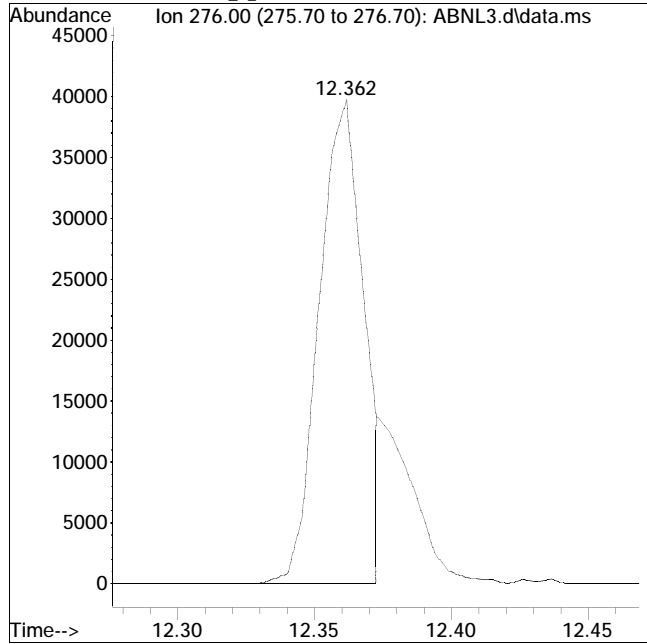
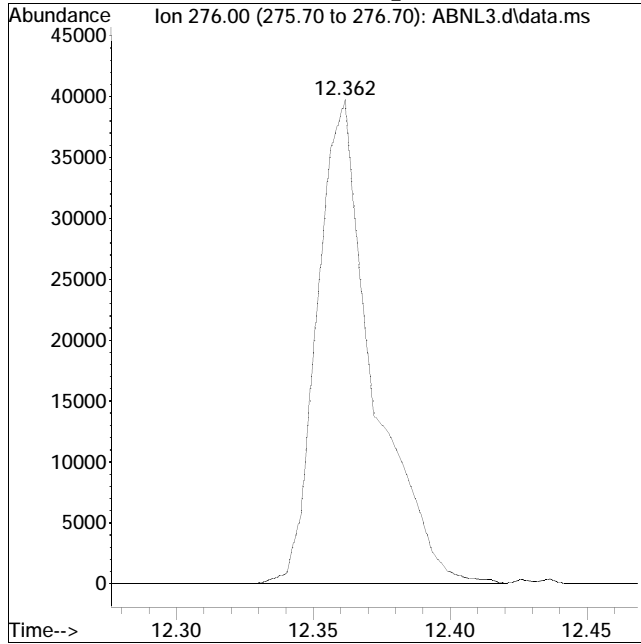
Sub List : ABNical - ABN ical sublistcal\ABNL7.d•



Manual Integration Report

Data Path : I:\8270\GCMS5\200401nical\QMethod : FS200401gcms5.m  
Data File : ABNL3.d Operator : gcms5:ek  
Date Inj'd : 4/2/2020 1:18 am Instrument : GCMS5  
Sample : IL8,32,,ABNL3 Lot# 8659 Quant Date : 4/2/2020 11:21 am

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 56496

Manual Peak Response = 45827 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\GCMS5\200401nical\  
 Data File : ABNL2.d  
 Acq On : 2 Apr 2020 1:40 am  
 Operator : gcms5:ek  
 Sample : IL9,32,,ABNL2 Lot# 8658  
 Misc : wgl357700,,  
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 02 12:22:53 2020  
 Quant Method : i:\8270\gcms5\200401nical\FS200401gcms5.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Thu Apr 02 12:20:58 2020  
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\GCMS5\200401nical\ABNL7.d  
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
<b>Internal Standards</b>						
1) IS1_1,4-Dichlorobenzen...	4.092	152	118336	40.000	ug/ml	0.00
Standard Area 1 = 126049			Recovery =	93.88%		
35) IS1_Naphthalene-d8	5.182	136	434605	40.000	ug/ml	0.00
Standard Area 1 = 445038			Recovery =	97.66%		
63) IS1_Acenaphthene-d10	6.630	164	265472	40.000	ug/ml	0.00
Standard Area 1 = 262232			Recovery =	101.24%		
88) IS1_Phenanthrene-d10	7.853	188	526367	40.000	ug/ml	0.00
Standard Area 1 = 543330			Recovery =	96.88%		
104) IS1_Chrysene-d12	10.257	240	531913	40.000	ug/ml	# 0.00
Standard Area 1 = 576405			Recovery =	92.28%		
113) IS1_Perylene-d12	11.523	264	583592	40.000	ug/ml	0.00
Standard Area 1 = 649115			Recovery =	89.91%		
<b>System Monitoring Compounds</b>						
4) 2-Fluorophenol	2.895	112	6068	1.862	ug/ml	0.00
Spiked Amount 50.000	Range 15 - 110		Recovery =	3.72%#		
7) Phenol-d6	3.793	99	7766	1.922	ug/ml	0.00
Spiked Amount 50.000	Range 15 - 110		Recovery =	3.84%#		
19) Nitrobenzene-d5	4.573	82	6825	1.868	ug/ml	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	7.47%#		
46) 2-Fluorobiphenyl	6.095	172	17444	2.024	ug/ml	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	8.10%#		
79) 2,4,6-Tribromophenol	7.271	330	2527	1.565	ug/ml	0.00
Spiked Amount 50.000	Range 15 - 110		Recovery =	3.13%#		
96) 4-Terphenyl-d14	9.301	244	21103	1.913	ug/ml	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	7.65%#		
<b>Target Compounds</b>						
2) n-Nitrosodimethylamine	1.635	74	3313	1.587	ug/ml#	55
3) Pyridine	1.683	79	6048	1.650	ug/ml	87
5) Aniline	3.798	93	9901	1.873	ug/ml	90
6) 2-Chlorophenol	3.905	128	6538	1.724	ug/ml#	89
8) Phenol	3.804	94	9721	2.005	ug/ml	98
9) Bis(2-chloroethyl)ether	3.878	93	6552	2.100	ug/ml#	83
10) 1,3-Dichlorobenzene	4.039	146	8998	2.030	ug/ml	98
11) 1,4-Dichlorobenzene	4.108	146	8971	1.956	ug/ml#	86
12) 1,2-Dichlorobenzene	4.236	146	8986	2.036	ug/ml	96
13) Benzyl alcohol	4.231	79	5139	1.872	ug/ml	95
14) Bis(2-chloroisopropyl)...	4.359	45	10978	1.877	ug/ml#	91

Quantitation Report (QT Reviewed)

Data Path : I:\8270\GCMS5\200401nical\  
 Data File : ABNL2.d  
 Acq On : 2 Apr 2020 1:40 am  
 Operator : gcms5:ek  
 Sample : IL9,32,,ABNL2 Lot# 8658  
 Misc : wgl357700,,  
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 02 12:22:53 2020  
 Quant Method : i:\8270\gcms5\200401nical\FS200401gcms5.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Thu Apr 02 12:20:58 2020  
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\GCMS5\200401nical\ABNL7.d  
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
15) 2-Methylphenol	4.343	108	6202	1.914	ug/ml	98
16) Hexachloroethane	4.530	117	3681	2.065	ug/ml	92
17) n-Nitrosodi-n-propylamine	4.471	70	4451	1.836	ug/ml#	83
18) 3-Methylphenol/4-Methy...	4.482	108	6538	1.877	ug/ml	94
20) Nitrobenzene	4.594	77	7250	1.966	ug/ml#	87
21) Isophorone	4.808	82	12142	1.898	ug/ml	94
22) 2-Nitrophenol	4.872	139	3446	1.631	ug/ml#	87
23) 2,4-Dimethylphenol	4.931	107	6692	1.968	ug/ml	98
24) Bis(2-chloroethoxy)met...	5.011	93	8741	2.088	ug/ml#	94
25) 2,4-Dichlorophenol	5.075	162	6689	1.869	ug/ml	92
26) 1,2,4-Trichlorobenzene	5.144	180	8633	2.048	ug/ml	99
36) Naphthalene	5.198	128	22489	2.026	ug/ml	99
37) Benzoic Acid	0.000		0	N.D.		
38) 4-Chloroaniline	5.257	65	2682	1.952	ug/ml	88
39) Hexachlorobutadiene	5.331	225	4486	1.896	ug/ml	93
40) p-Chloro-m-cresol	5.684	107	5882	1.843	ug/ml	97
41) 2-Methylnaphthalene	5.780	142	15403	1.952	ug/ml	91
42) 1-Methylnaphthalene	5.860	115	4183	1.665	ug/ml	74
43) Hexachlorocyclopentadiene	5.924	237	5571	1.689	ug/ml	95
44) 2,4,6-Trichlorophenol	6.026	196	4829	1.728	ug/ml#	93
45) 2,4,5-Trichlorophenol	6.047	196	6356	2.074	ug/ml#	82
47) 2-Chloronaphthalene	6.175	162	16230	2.017	ug/ml	99
48) 2-Nitroaniline	6.266	138	4733	1.757	ug/ml	92
49) 1,4-Dinitrobenzene	6.378	168	1863	1.609	ug/ml#	74
50) 1,3-Dinitrobenzene	6.443	168	2102	1.619	ug/ml	94
51) Dimethyl phthalate	6.437	163	18552	1.992	ug/ml#	96
52) Acenaphthylene	6.512	152	23559	1.927	ug/ml	96
53) 2,6-Dinitrotoluene	6.475	165	3314	1.654	ug/ml	87
54) 1,2-Dinitrobenzene	6.507	168	1241	1.550	ug/ml#	62
64) 3-Nitroaniline	6.603	138	3902	1.613	ug/ml#	85
65) Acenaphthene	6.656	154	14377	1.904	ug/ml	90
66) 2,4-Dinitrophenol	0.000		0	N.D.	d	
67) Dibenzofuran	6.801	168	23143	1.974	ug/ml	99
68) 2,4-Dinitrotoluene	6.795	165	4260	1.514	ug/ml#	82
69) 4-Nitrophenol	6.752	65	2656	1.502	ug/ml	95
70) 2,3,5,6-Tetrachlorophenol	6.875	232	4741	1.674	ug/ml	98
71) 2,3,4,6-Tetrachlorophenol	6.907	232	5240	1.821	ug/ml	94
72) Diethyl phthalate	7.014	149	17503	1.845	ug/ml	97
73) Fluorene	7.073	166	17955	1.942	ug/ml	87
74) 4-Chlorophenyl phenyl ...	7.089	204	9046	2.042	ug/ml	96

Quantitation Report (QT Reviewed)

Data Path : I:\8270\GCMS5\200401nical\  
 Data File : ABNL2.d  
 Acq On : 2 Apr 2020 1:40 am  
 Operator : gcms5:ek  
 Sample : IL9,32,,ABNL2 Lot# 8658  
 Misc : wgl357700,,  
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 02 12:22:53 2020  
 Quant Method : i:\8270\gcms5\200401nical\FS200401gcms5.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Thu Apr 02 12:20:58 2020  
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\GCMS5\200401nical\ABNL7.d  
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
75) 4-Nitroaniline	7.094	138	4063	1.630	ug/ml#	81
76) 4,6-Dinitro-o-cresol	7.126	198	2059	1.173	ug/ml#	90
77) NDPA/DPA	7.185	169	14514	1.900	ug/ml	97
78) Azobenzene	7.217	77	16712	1.999	ug/ml#	93
80) 4-Bromophenyl phenyl e...	7.490	248	5676	1.995	ug/ml	99
81) Hexachlorobenzene	7.538	284	6292	1.891	ug/ml#	91
82) Pentachlorophenol	7.703	266	2658	2.905	ug/ml#	77
89) Phenanthrene	7.874	178	28557	2.040	ug/ml	99
90) Anthracene	7.912	178	26941	1.943	ug/ml	98
91) Carbazole	8.061	167	26428	2.013	ug/ml	99
92) Di-n-butylphthalate	8.414	149	28965	1.889	ug/ml	100
93) Fluoranthene	8.921	202	33148	1.958	ug/ml#	95
94) Benzidine	9.066	184	17664	1.607	ug/ml	96
95) Pyrene	9.124	202	35442	2.023	ug/ml	96
97) Butyl benzyl phthalate	9.787	149	11358	1.521	ug/ml	95
105) Benzo(a)anthracene	10.252	228	33310	1.989	ug/ml	97
106) 3,3'-Dichlorobenzidine	10.252	252	10464	1.651	ug/ml#	91
107) Chrysene	10.278	228	31970	1.989	ug/ml	97
108) Bis(2-ethylhexyl)phtha...	10.358	149	16999	1.685	ug/ml#	92
109) Di-n-octylphthalate	10.946	149	27487	1.498	ug/ml#	99
110) Benzo(b)fluoranthene	11.208	252	32634	1.820	ug/ml	99
111) Benzo(k)fluoranthene	11.229	252	30920	1.977	ug/ml	95
112) Benzo(a)pyrene	11.475	252	29208	1.833	ug/ml	99
114) Indeno(1,2,3-cd)pyrene	12.362	276	30463M6	1.758	ug/mL	
115) Dibenzo(a,h)anthracene	12.383	278	28633	1.871	ug/ml	98
116) Benzo(ghi)perylene	12.581	276	31634	1.863	ug/ml	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

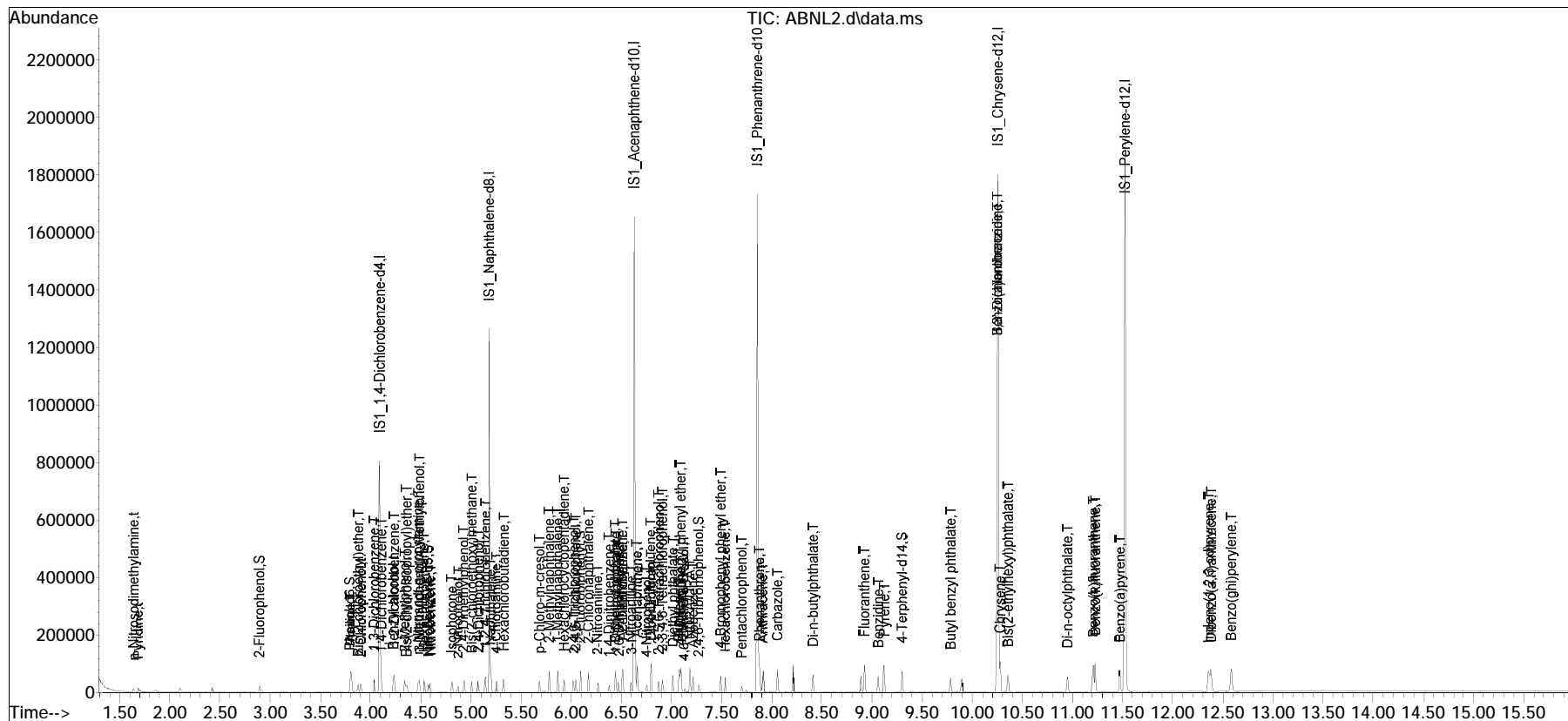


Quantitation Report (QT Reviewed)

Data Path : I:\8270\GCMS5\200401nical\  
 Data File : ABNL2.d  
 Acq On : 2 Apr 2020 1:40 am  
 Operator : gcms5:ek  
 Sample : IL9,32,,ABNL2 Lot# 8658  
 Misc : wg1357700,,  
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 02 12:22:53 2020  
 Quant Method : i:\8270\gcms5\200401nical\FS200401gcms5.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Thu Apr 02 12:20:58 2020  
 Response via : Initial Calibration

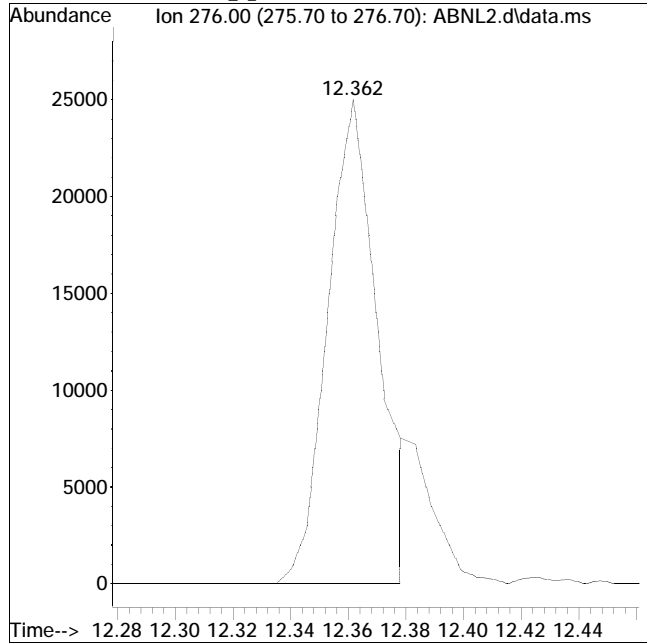
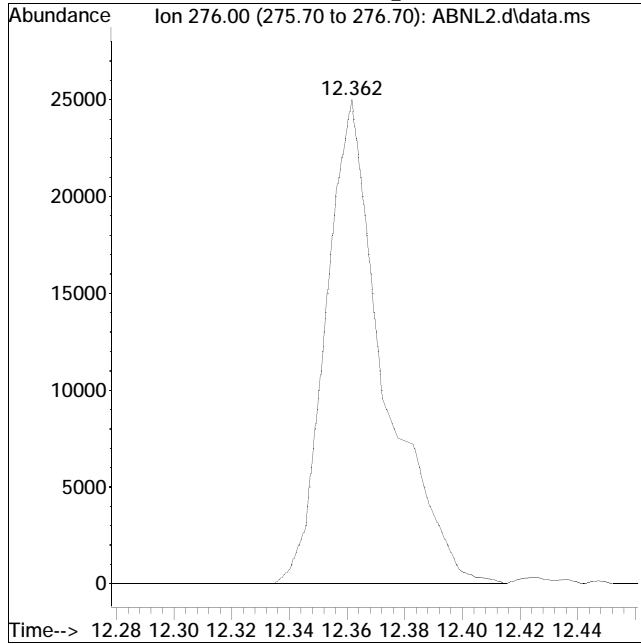
Sub List : ABNical - ABN ical sublistcal\ABNL7.d•



Manual Integration Report

Data Path : I:\8270\GCMS5\200401nical\QMethod : FS200401gcms5.m  
Data File : ABNL2.d Operator : gcms5:ek  
Date Inj'd : 4/2/2020 1:40 am Instrument : GCMS5  
Sample : IL9,32,,ABNL2 Lot# 8658 Quant Date : 4/2/2020 12:21 pm

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 35281

Manual Peak Response = 30463 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\GCMS5\200401nical\  
 Data File : ABNL1.d  
 Acq On : 2 Apr 2020 2:03 am  
 Operator : gcms5:ek  
 Sample : IL10,32,,ABNL1 Lot# 8671  
 Misc : wgl357700,,  
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Apr 02 10:32:16 2020  
 Quant Method : i:\8270\gcms5\200401nical\FS200401gcms5.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Thu Apr 02 10:32:05 2020  
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\GCMS5\200401nical\ABNL7.d  
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
<b>Internal Standards</b>						
1) IS1_1,4-Dichlorobenzen...	4.092	152	114253	40.000	ug/ml	0.00
Standard Area 1 = 126049			Recovery =	90.64%		
35) IS1_Naphthalene-d8	5.182	136	424392	40.000	ug/ml	0.00
Standard Area 1 = 445038			Recovery =	95.36%		
63) IS1_Acenaphthene-d10	6.629	164	257472	40.000	ug/ml	0.00
Standard Area 1 = 262232			Recovery =	98.18%		
88) IS1_Phenanthrene-d10	7.853	188	520315	40.000	ug/ml	0.00
Standard Area 1 = 543330			Recovery =	95.76%		
104) IS1_Chrysene-d12	10.257	240	522236	40.000	ug/ml	# 0.00
Standard Area 1 = 576405			Recovery =	90.60%		
113) IS1_Perylene-d12	11.523	264	593048	40.000	ug/ml	0.00
Standard Area 1 = 649115			Recovery =	91.36%		
<b>System Monitoring Compounds</b>						
4) 2-Fluorophenol	2.901	112	2579	0.778	ug/ml	0.00
Spiked Amount 50.000	Range 15 - 110		Recovery =	1.56%#		
7) Phenol-d6	3.793	99	3673	0.939	ug/ml	0.00
Spiked Amount 50.000	Range 15 - 110		Recovery =	1.88%#		
19) Nitrobenzene-d5	4.573	82	3457	0.958	ug/ml	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	3.83%#		
46) 2-Fluorobiphenyl	6.095	172	8199	0.959	ug/ml	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	3.84%#		
79) 2,4,6-Tribromophenol	7.271	330	1154	0.678	ug/ml	0.00
Spiked Amount 50.000	Range 15 - 110		Recovery =	1.36%#		
96) 4-Terphenyl-d14	9.301	244	9707	0.831	ug/ml	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	3.32%#		
<b>Target Compounds</b>						
						Qvalue
2) n-Nitrosodimethylamine	1.634	74	1659	0.803	ug/ml#	68
3) Pyridine	1.699	79	3043	0.809	ug/ml#	73
5) Aniline	3.798	93	4767	0.924	ug/ml#	87
6) 2-Chlorophenol	3.905	128	3493	0.933	ug/ml	92
8) Phenol	3.803	94	4302	0.904	ug/ml#	87
9) Bis(2-chloroethyl)ether	3.873	93	2943	0.979	ug/ml#	72
10) 1,3-Dichlorobenzene	4.038	146	3809	0.881	ug/ml#	93
11) 1,4-Dichlorobenzene	4.108	146	4647	1.052	ug/ml#	77
12) 1,2-Dichlorobenzene	4.236	146	4378	1.039	ug/ml	95
13) Benzyl alcohol	4.231	79	2313	0.840	ug/ml	94
14) Bis(2-chloroisopropyl)...	4.364	45	5673	1.022	ug/ml#	85

Quantitation Report (QT Reviewed)

Data Path : I:\8270\GCMS5\200401nical\  
 Data File : ABNL1.d  
 Acq On : 2 Apr 2020 2:03 am  
 Operator : gcms5:ek  
 Sample : IL10,32,,ABNL1 Lot# 8671  
 Misc : wgl357700,,  
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Apr 02 10:32:16 2020  
 Quant Method : i:\8270\gcms5\200401nical\FS200401gcms5.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Thu Apr 02 10:32:05 2020  
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\GCMS5\200401nical\ABNL7.d  
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
15) 2-Methylphenol	4.343	108	2933	0.915	ug/ml	94
16) Hexachloroethane	4.530	117	1856	1.106	ug/ml	84
17) n-Nitrosodi-n-propylamine	4.471	70	2000	0.833	ug/ml#	61
18) 3-Methylphenol/4-Methy...	4.482	108	3340	0.990	ug/ml#	92
20) Nitrobenzene	4.589	77	3665	1.022	ug/ml#	90
21) Isophorone	4.808	82	5859	0.911	ug/ml#	86
22) 2-Nitrophenol	4.872	139	1285	0.621	ug/ml#	63
23) 2,4-Dimethylphenol	4.936	107	2718	0.824	ug/ml#	77
24) Bis(2-chloroethoxy)met...	5.011	93	3864	0.987	ug/ml#	88
25) 2,4-Dichlorophenol	5.075	162	3257	0.932	ug/ml#	92
26) 1,2,4-Trichlorobenzene	5.144	180	4455	1.146	ug/ml	86
36) Naphthalene	5.198	128	11377	1.040	ug/ml	98
37) Benzoic Acid	0.000		0	N.D.		
38) 4-Chloroaniline	5.256	65	1273	0.932	ug/ml#	89
39) Hexachlorobutadiene	5.331	225	2189	0.922	ug/ml	92
40) p-Chloro-m-cresol	5.684	107	2599	0.779	ug/ml	94
41) 2-Methylnaphthalene	5.780	142	7394	0.950	ug/ml	92
42) 1-Methylnaphthalene	5.860	115	2605	1.053	ug/ml	95
43) Hexachlorocyclopentadiene	5.930	237	2527	0.777	ug/ml#	87
44) 2,4,6-Trichlorophenol	6.026	196	1851	0.646	ug/ml	96
45) 2,4,5-Trichlorophenol	6.052	196	2076	0.670	ug/ml#	75
47) 2-Chloronaphthalene	6.175	162	7724	0.975	ug/ml	97
48) 2-Nitroaniline	6.271	138	1870	0.694	ug/ml#	73
49) 1,4-Dinitrobenzene	6.378	168	742	0.626	ug/ml#	46
50) 1,3-Dinitrobenzene	6.442	168	800	0.624	ug/ml#	59
51) Dimethyl phthalate	6.437	163	9760	1.064	ug/ml#	94
52) Acenaphthylene	6.512	152	11755	0.958	ug/ml	97
53) 2,6-Dinitrotoluene	6.469	165	1555	0.754	ug/ml#	80
54) 1,2-Dinitrobenzene	6.507	168	763	0.972	ug/ml	85
64) 3-Nitroaniline	6.603	138	2125	0.873	ug/ml#	97
65) Acenaphthene	6.656	154	7262	1.000	ug/ml	97
66) 2,4-Dinitrophenol	0.000		0	N.D.		
67) Dibenzofuran	6.795	168	10623	0.928	ug/ml	99
68) 2,4-Dinitrotoluene	6.795	165	2341	0.808	ug/ml	91
69) 4-Nitrophenol	6.758	65	1362	0.755	ug/ml#	85
70) 2,3,5,6-Tetrachlorophenol	6.875	232	1931	0.654	ug/ml#	90
71) 2,3,4,6-Tetrachlorophenol	6.913	232	2279	0.768	ug/ml	95
72) Diethyl phthalate	7.014	149	8631	0.901	ug/ml	95
73) Fluorene	7.078	166	8295	0.903	ug/ml	93
74) 4-Chlorophenyl phenyl ...	7.089	204	3757	0.861	ug/ml	88

Quantitation Report (QT Reviewed)

Data Path : I:\8270\GCMS5\200401nical\  
 Data File : ABNL1.d  
 Acq On : 2 Apr 2020 2:03 am  
 Operator : gcms5:ek  
 Sample : IL10,32,,ABNL1 Lot# 8671  
 Misc : wgl357700,,  
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Apr 02 10:32:16 2020  
 Quant Method : i:\8270\gcms5\200401nical\FS200401gcms5.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Thu Apr 02 10:32:05 2020  
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\GCMS5\200401nical\ABNL7.d  
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
75) 4-Nitroaniline	7.094	138	2278	0.894	ug/ml	95
76) 4,6-Dinitro-o-cresol	0.000		0	N.D.		
77) NDPA/DPA	7.185	169	7315	0.958	ug/ml	98
78) Azobenzene	7.217	77	7552	0.907	ug/ml#	85
80) 4-Bromophenyl phenyl e...	7.490	248	2281	0.800	ug/ml	92
81) Hexachlorobenzene	7.532	284	3249	0.979	ug/ml	96
82) Pentachlorophenol	7.709	266	848	0.367	ug/ml#	58
89) Phenanthrene	7.869	178	14344	1.022	ug/ml	98
90) Anthracene	7.917	178	13504	0.940	ug/ml	96
91) Carbazole	8.061	167	12096	0.895	ug/ml	98
92) Di-n-butylphthalate	8.414	149	13912	0.862	ug/ml	99
93) Fluoranthene	8.921	202	15743	0.900	ug/ml#	93
94) Benzidine	9.065	184	8470	0.721	ug/ml#	96
95) Pyrene	9.124	202	16814	0.955	ug/ml	99
97) Butyl benzyl phthalate	9.787	149	5045	0.648	ug/ml#	96
105) Benzo(a)anthracene	10.251	228	17384	1.034	ug/ml	98
106) 3,3'-Dichlorobenzidine	10.251	252	5363	0.797	ug/ml#	81
107) Chrysene	10.278	228	16541	1.042	ug/ml	97
108) Bis(2-ethylhexyl)phtha...	10.358	149	7228	0.672	ug/ml#	85
109) Di-n-octylphthalate	10.946	149	11697	0.608	ug/ml#	93
110) Benzo(b)fluoranthene	11.208	252	16313	0.831	ug/ml	98
111) Benzo(k)fluoranthene	11.229	252	15532	1.026	ug/ml#	96
112) Benzo(a)pyrene	11.470	252	13255	0.800	ug/ml	99
114) Indeno(1,2,3-cd)pyrene	12.356	276	15256M6	0.819	ug/mL	
115) Dibenzo(a,h)anthracene	12.378	278	13030	0.773	ug/ml	94
116) Benzo(ghi)perylene	12.581	276	16496	0.907	ug/ml	95

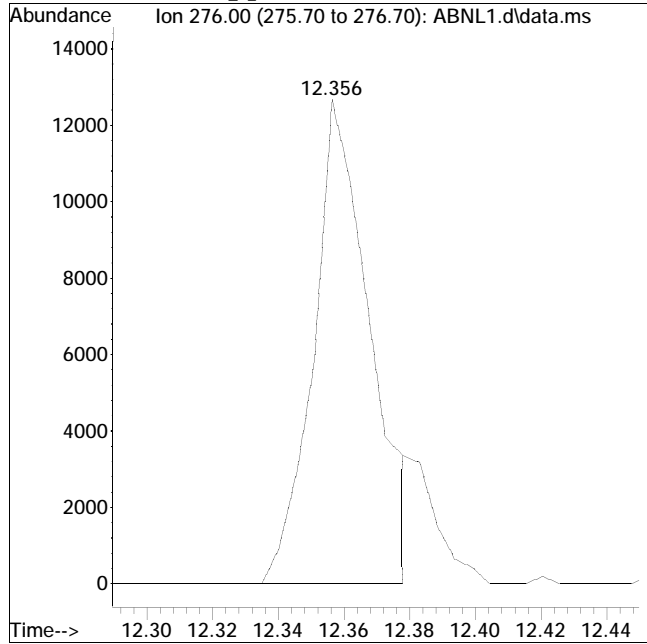
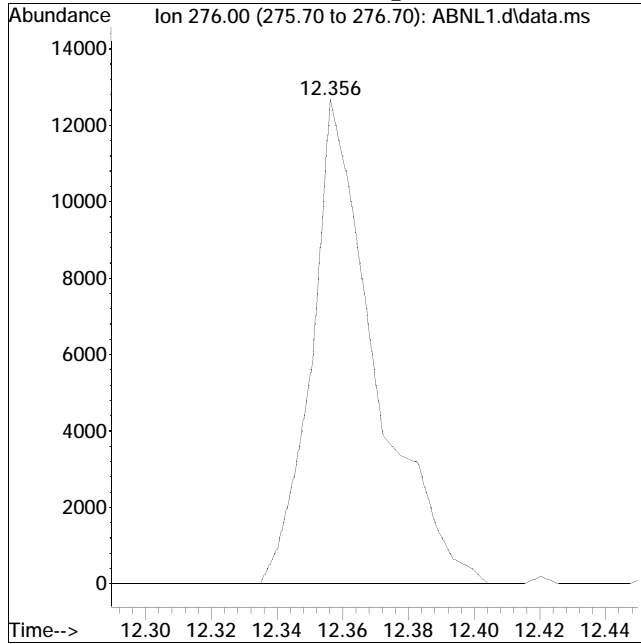
(#) = qualifier out of range (m) = manual integration (+) = signals summed



Manual Integration Report

Data Path : I:\8270\GCMS5\200401nical\QMethod : FS200401gcms5.m  
Data File : ABNL1.d Operator : gcms5:ek  
Date Inj'd : 4/2/2020 2:03 am Instrument : GCMS5  
Sample : IL10,32,,ABNL1 Lot# 8671 Quant Date : 4/2/2020 10:32 am

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 17113

Manual Peak Response = 15256 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\GCMS5\200401nical\  
 Data File : AP9L10.d  
 Acq On : 2 Apr 2020 2:25 am  
 Operator : gcms5:ek  
 Sample : IL11,32,,AP9L200 Lot# 8531  
 Misc : wgl357700,,  
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Apr 02 11:00:13 2020  
 Quant Method : i:\8270\gcms5\200401nical\FS200401gcms5.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Thu Apr 02 10:56:47 2020  
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\GCMS5\200401nical\AP9L7.d  
 Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----						
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	4.092	152	158647	40.000	ug/ml	0.00
Standard Area 1 = 149058			Recovery	=	106.43%	
55) IS2_Naphthalene-d8	5.182	136	571255	40.000	ug/ml	0.00
Standard Area 1 = 546946			Recovery	=	104.44%	
83) IS2_Acenaphthene-d10	6.629	164	319446	40.000	ug/ml	0.00
Standard Area 1 = 310854			Recovery	=	102.76%	
98) IS2_Phenanthrene-d10	7.853	188	635165	40.000	ug/ml	# 0.00
Standard Area 1 = 604595			Recovery	=	105.06%	

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
28) Benzaldehyde	3.697	105	814196	196.504	ug/ml	99
29) Acetophenone	4.455	105	1332180	190.238	ug/ml#	91
30) m-Toluidine	4.530	106	1362175	187.919	ug/ml	99
31) 2-Chloroaniline	4.845	127	1245801	189.657	ug/ml	96
56) a-Terpineol	5.240	59	868334	183.669	ug/ml	85
57) 3-Chloroaniline	5.251	65	410559	193.887	ug/ml	85
58) 2,6-Dichlorophenol	5.273	162	912044	199.075	ug/ml	98
59) 1-chloro-2-nitrobenzene	5.492	111	415771	198.892	ug/ml	95
60) Caprolactam	5.545	55	546310	198.963	ug/ml#	79
61) 1,2,4,5-Tetrachloroben...	5.930	216	1048763	201.125	ug/ml	99
62) Biphenyl	6.175	154	2227508	184.533	ug/ml	95
84) Dichloran	7.591	206	364581	217.908	ug/ml	97
85) Pentachloronitrobenzene	7.719	237	338390	222.617	ug/ml	94
99) Diphenamid	8.676	167	1606053	202.064	ug/ml	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

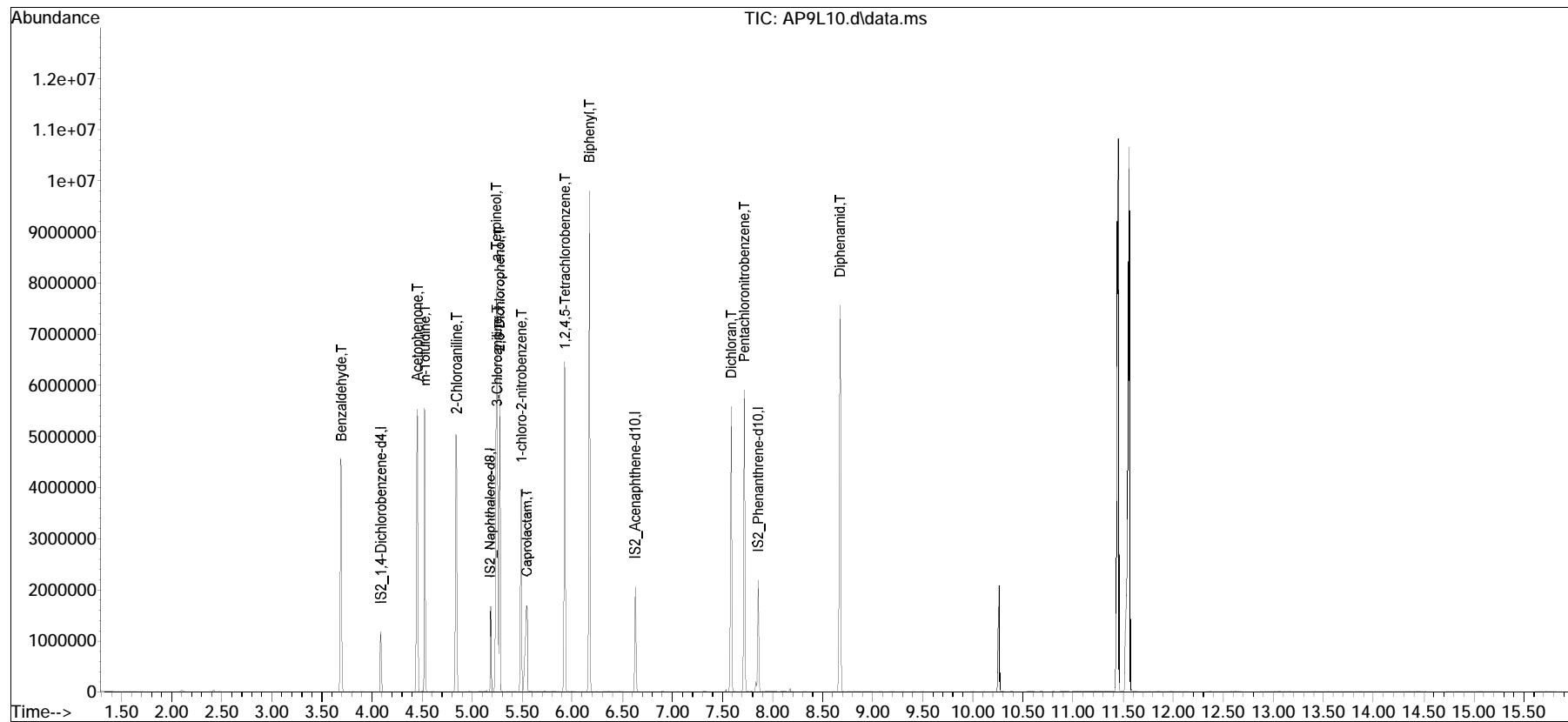


Quantitation Report (QT Reviewed)

Data Path : I:\8270\GCMS5\200401nical\  
 Data File : AP9L10.d  
 Acq On : 2 Apr 2020 2:25 am  
 Operator : gcms5:ek  
 Sample : IL11,32,,AP9L200 Lot# 8531  
 Misc : wg1357700,,  
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Apr 02 11:00:13 2020  
 Quant Method : i:\8270\gcms5\200401nical\FS200401gcms5.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Thu Apr 02 10:56:47 2020  
 Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistcal\AP9L7.d•



Manual Integration Report

Data Path : I:\8270\GCMS5\200401nical\QMethod : FS200401gcms5.m  
Data File : AP9L10.d Operator : gcms5:ek  
Date Inj'd : 4/2/2020 2:25 am Instrument : GCMS5  
Sample : IL11,32,,AP9L200 Lot# 8531Quant Date : 4/2/2020 10:57 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\GCMS5\200401nical\  
 Data File : AP9L9.d  
 Acq On : 2 Apr 2020 2:48 am  
 Operator : gcms5:ek  
 Sample : IL12,32,,AP9L150 Lot# 8540  
 Misc : wgl357700,,  
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Apr 02 11:08:24 2020  
 Quant Method : i:\8270\gcms5\200401nical\FS200401gcms5.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Thu Apr 02 10:56:47 2020  
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\GCMS5\200401nical\AP9L7.d  
 Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----						
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	4.092	152	176149	40.000	ug/ml	0.00
Standard Area 1 = 149058			Recovery	=	118.17%	
55) IS2_Naphthalene-d8	5.182	136	637530	40.000	ug/ml	0.00
Standard Area 1 = 546946			Recovery	=	116.56%	
83) IS2_Acenaphthene-d10	6.630	164	361148	40.000	ug/ml	0.00
Standard Area 1 = 310854			Recovery	=	116.18%	
98) IS2_Phenanthrene-d10	7.853	188	688094	40.000	ug/ml	# 0.00
Standard Area 1 = 604595			Recovery	=	113.81%	

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
28) Benzaldehyde	3.697	105	680165	147.846	ug/ml	99
29) Acetophenone	4.455	105	1122562	144.376	ug/ml#	91
30) m-Toluidine	4.525	106	1148137	142.654	ug/ml	99
31) 2-Chloroaniline	4.845	127	1041964	142.865	ug/ml	96
56) a-Terpineol	5.241	59	738149	139.902	ug/ml#	83
57) 3-Chloroaniline	5.246	65	344101	145.609	ug/ml	84
58) 2,6-Dichlorophenol	5.273	162	751984	147.075	ug/ml	98
59) 1-chloro-2-nitrobenzene	5.486	111	338848	145.243	ug/ml	96
60) Caprolactam	5.545	55	458275	149.551	ug/ml#	77
61) 1,2,4,5-Tetrachloroben...	5.930	216	862038	148.130	ug/ml	100
62) Biphenyl	6.176	154	1871247	138.905	ug/ml	96
84) Dichloran	7.591	206	288647	152.602	ug/ml	96
85) Pentachloronitrobenzene	7.719	237	262368	152.674	ug/ml	95
99) Diphenamid	8.676	167	1298540	150.808	ug/ml	99

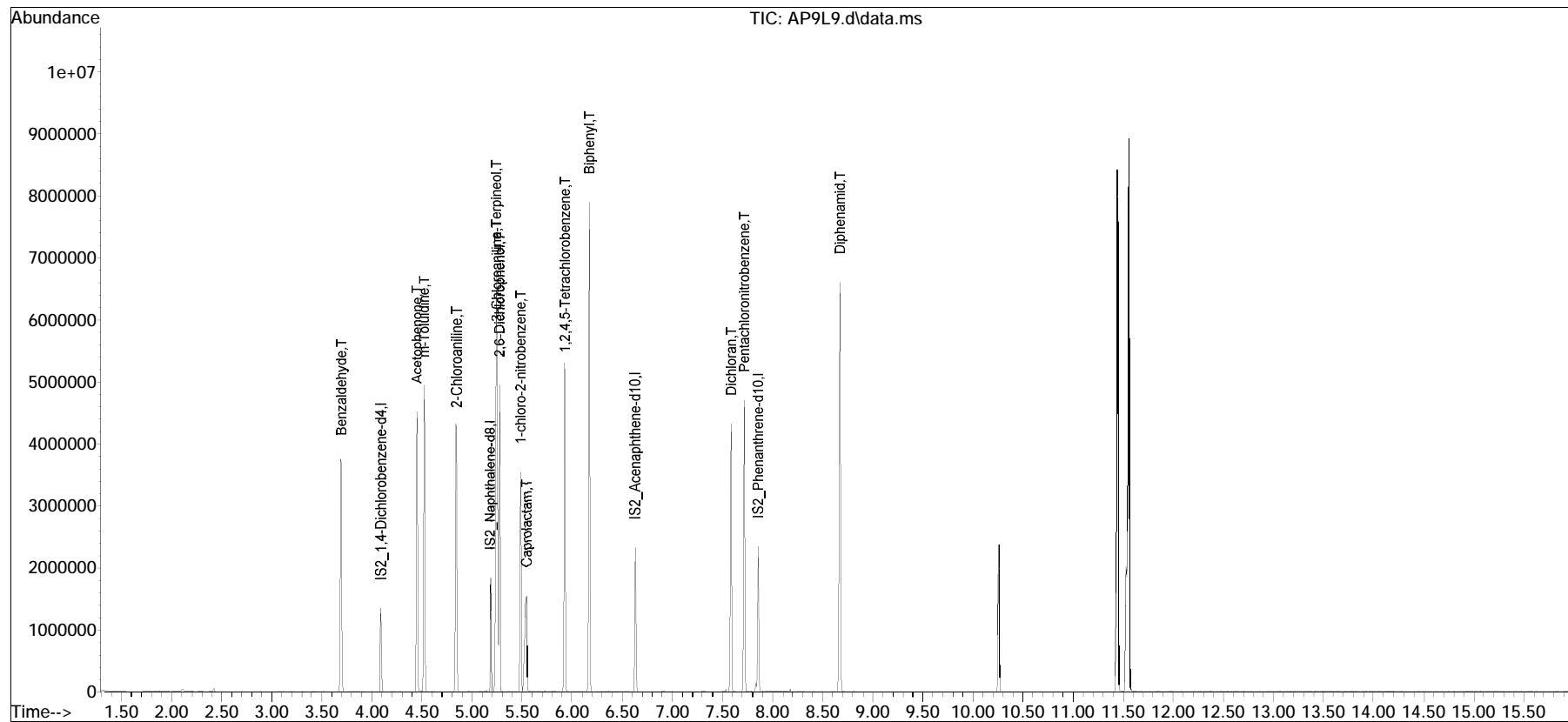
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\GCMS5\200401nical\  
 Data File : AP9L9.d  
 Acq On : 2 Apr 2020 2:48 am  
 Operator : gcms5:ek  
 Sample : IL12,32,,AP9L150 Lot# 8540  
 Misc : wg1357700,,  
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Apr 02 11:08:24 2020  
 Quant Method : i:\8270\gcms5\200401nical\FS200401gcms5.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Thu Apr 02 10:56:47 2020  
 Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistcal\AP9L7.d•



Manual Integration Report

Data Path : I:\8270\GCMS5\200401nical\QMethod : FS200401gcms5.m  
Data File : AP9L9.d Operator : gcms5:ek  
Date Inj'd : 4/2/2020 2:48 am Instrument : GCMS5  
Sample : IL12,32,,AP9L150 Lot# 8540Quant Date : 4/2/2020 10:58 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\GCMS5\200401nical\  
 Data File : AP9L8.d  
 Acq On : 2 Apr 2020 3:11 am  
 Operator : gcms5:ek  
 Sample : IL13,32,,AP9L100 Lot# 8539  
 Misc : wgl357700,,  
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Apr 02 11:07:54 2020  
 Quant Method : i:\8270\gcms5\200401nical\FS200401gcms5.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Thu Apr 02 10:56:47 2020  
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\GCMS5\200401nical\AP9L7.d  
 Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----						
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	4.092	152	152486	40.000	ug/ml	0.00
Standard Area 1 = 149058			Recovery	=	102.30%	
55) IS2_Naphthalene-d8	5.182	136	564979	40.000	ug/ml	0.00
Standard Area 1 = 546946			Recovery	=	103.30%	
83) IS2_Acenaphthene-d10	6.629	164	317739	40.000	ug/ml	0.00
Standard Area 1 = 310854			Recovery	=	102.21%	
98) IS2_Phenanthrene-d10	7.853	188	618379	40.000	ug/ml	# 0.00
Standard Area 1 = 604595			Recovery	=	102.28%	

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
28) Benzaldehyde	3.691	105	403935	101.428	ug/ml	100
29) Acetophenone	4.450	105	672154	99.863	ug/ml#	91
30) m-Toluidine	4.525	106	695222	99.785	ug/ml	100
31) 2-Chloroaniline	4.840	127	626447	99.222	ug/ml	96
56) a-Terpineol	5.235	59	452582	96.793	ug/ml#	82
57) 3-Chloroaniline	5.246	65	204205	97.507	ug/ml	87
58) 2,6-Dichlorophenol	5.267	162	454734	100.359	ug/ml	97
59) 1-chloro-2-nitrobenzene	5.486	111	201480	97.452	ug/ml	94
60) Caprolactam	5.534	55	274214	100.977	ug/ml#	77
61) 1,2,4,5-Tetrachloroben...	5.924	216	512699	99.414	ug/ml	100
62) Biphenyl	6.175	154	1137737	95.301	ug/ml	97
84) Dichloran	7.586	206	164683	98.959	ug/ml	95
85) Pentachloronitrobenzene	7.719	237	157502	104.173	ug/ml	95
99) Diphenamid	8.675	167	780865	100.911	ug/ml	99

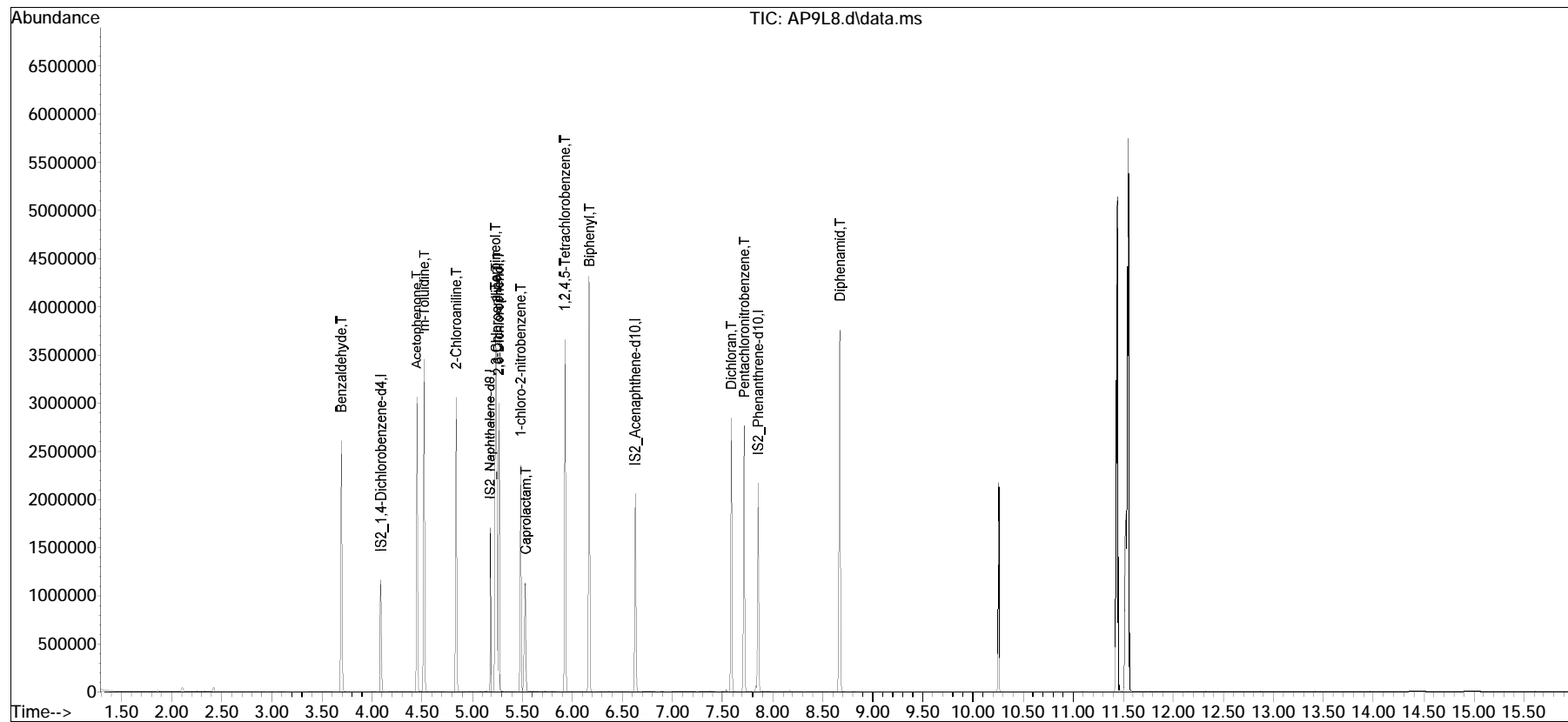
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\GCMS5\200401nical\  
 Data File : AP9L8.d  
 Acq On : 2 Apr 2020 3:11 am  
 Operator : gcms5:ek  
 Sample : IL13,32,,AP9L100 Lot# 8539  
 Misc : wg1357700,,  
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Apr 02 11:07:54 2020  
 Quant Method : i:\8270\gcms5\200401nical\FS200401gcms5.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Thu Apr 02 10:56:47 2020  
 Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistcal\AP9L7.d•



Manual Integration Report

Data Path : I:\8270\GCMS5\200401nical\QMethod : FS200401gcms5.m  
Data File : AP9L8.d Operator : gcms5:ek  
Date Inj'd : 4/2/2020 3:11 am Instrument : GCMS5  
Sample : IL13,32,,AP9L100 Lot# 8539Quant Date : 4/2/2020 10:58 am

There are no manual integrations or false positives in this file.



Quantitation Report (QT Reviewed)

Data Path : I:\8270\GCMS5\200401nical\  
 Data File : AP9L7.d  
 Acq On : 2 Apr 2020 3:33 am  
 Operator : gcms5:ek  
 Sample : IL14,32,,AP9L50 Lot# 8538  
 Misc : wgl357700,,  
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: Apr 02 11:07:23 2020  
 Quant Method : i:\8270\gcms5\200401nical\FS200401gcms5.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Thu Apr 02 10:56:47 2020  
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\GCMS5\200401nical\AP9L7.d  
 Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----						
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	4.092	152	149058	40.000	ug/ml	0.00
Standard Area 1 = 149058			Recovery	=	100.00%	
55) IS2_Naphthalene-d8	5.182	136	546946	40.000	ug/ml	0.00
Standard Area 1 = 546946			Recovery	=	100.00%	
83) IS2_Acenaphthene-d10	6.630	164	310854	40.000	ug/ml	0.00
Standard Area 1 = 310854			Recovery	=	100.00%	
98) IS2_Phenanthrene-d10	7.853	188	604595	40.000	ug/ml	# 0.00
Standard Area 1 = 604595			Recovery	=	100.00%	

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
28) Benzaldehyde	3.691	105	194716	50.017	ug/ml	99
29) Acetophenone	4.450	105	329246	50.042	ug/ml#	91
30) m-Toluidine	4.525	106	341743	50.178	ug/ml	100
31) 2-Chloroaniline	4.840	127	308447	49.978	ug/ml	97
56) a-Terpineol	5.235	59	226244	49.982	ug/ml#	81
57) 3-Chloroaniline	5.241	65	102288	50.453	ug/ml	86
58) 2,6-Dichlorophenol	5.267	162	219255	49.984	ug/ml	96
59) 1-chloro-2-nitrobenzene	5.486	111	100033	49.979	ug/ml	93
60) Caprolactam	5.524	55	132979	50.583	ug/ml#	78
61) 1,2,4,5-Tetrachloroben...	5.924	216	249582	49.990	ug/ml	98
62) Biphenyl	6.170	154	577757	49.990	ug/ml	97
84) Dichloran	7.586	206	81239	49.898	ug/ml	95
85) Pentachloronitrobenzene	7.719	237	73967	50.006	ug/ml	96
99) Diphenamid	8.670	167	378515	50.030	ug/ml	98

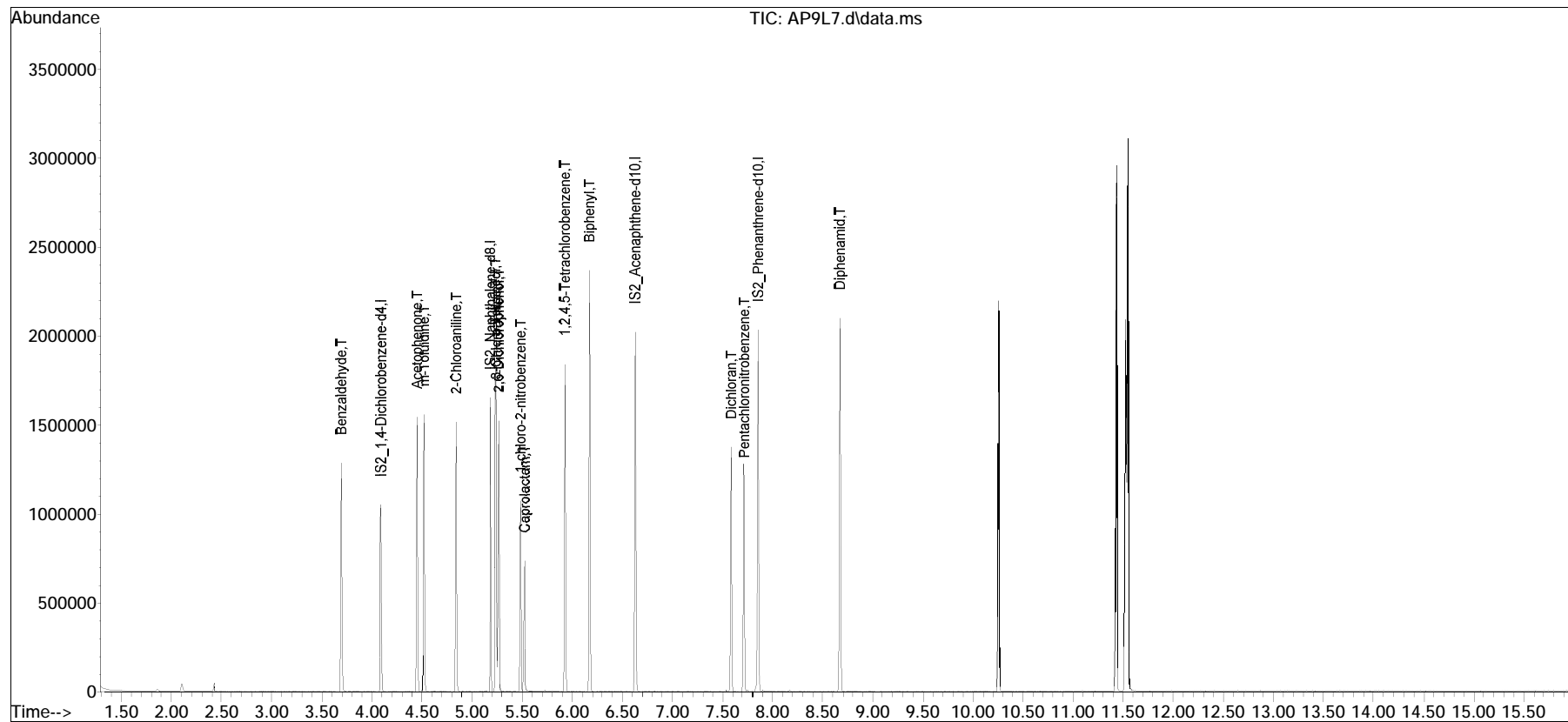
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\GCMS5\200401nical\  
 Data File : AP9L7.d  
 Acq On : 2 Apr 2020 3:33 am  
 Operator : gcms5:ek  
 Sample : IL14,32,,AP9L50 Lot# 8538  
 Misc : wg1357700,,  
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: Apr 02 11:07:23 2020  
 Quant Method : i:\8270\gcms5\200401nical\FS200401gcms5.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Thu Apr 02 10:56:47 2020  
 Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistcal\AP9L7.d•



Manual Integration Report

Data Path : I:\8270\GCMS5\200401nical\QMethod : FS200401gcms5.m  
Data File : AP9L7.d Operator : gcms5:ek  
Date Inj'd : 4/2/2020 3:33 am Instrument : GCMS5  
Sample : IL14,32,,AP9L50 Lot# 8538 Quant Date : 4/2/2020 10:58 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\GCMS5\200401nical\  
 Data File : AP9L6.d  
 Acq On : 2 Apr 2020 3:56 am  
 Operator : gcms5:ek  
 Sample : IL15,32,,AP9L20 Lot# 8537  
 Misc : wgl357700,,  
 ALS Vial : 15 Sample Multiplier: 1

Quant Time: Apr 02 11:06:52 2020  
 Quant Method : i:\8270\gcms5\200401nical\FS200401gcms5.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Thu Apr 02 10:56:47 2020  
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\GCMS5\200401nical\AP9L7.d  
 Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----						
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	4.092	152	142711	40.000	ug/ml	0.00
Standard Area 1 = 149058			Recovery	=	95.74%	
55) IS2_Naphthalene-d8	5.182	136	529981	40.000	ug/ml	0.00
Standard Area 1 = 546946			Recovery	=	96.90%	
83) IS2_Acenaphthene-d10	6.630	164	299096	40.000	ug/ml	0.00
Standard Area 1 = 310854			Recovery	=	96.22%	
98) IS2_Phenanthrene-d10	7.853	188	596549	40.000	ug/ml	# 0.00
Standard Area 1 = 604595			Recovery	=	98.67%	

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
28) Benzaldehyde	3.691	105	74511	19.991	ug/ml	99
29) Acetophenone	4.450	105	125467	19.918	ug/ml#	91
30) m-Toluidine	4.525	106	128059	19.639	ug/ml	100
31) 2-Chloroaniline	4.840	127	119358	20.200	ug/ml	97
56) a-Terpineol	5.230	59	83604	19.061	ug/ml#	82
57) 3-Chloroaniline	5.241	65	39756	20.237	ug/ml	84
58) 2,6-Dichlorophenol	5.267	162	82564	19.425	ug/ml	96
59) 1-chloro-2-nitrobenzene	5.481	111	38818	20.015	ug/ml	91
60) Caprolactam	5.513	55	48973	19.225	ug/ml#	76
61) 1,2,4,5-Tetrachloroben...	5.924	216	92987	19.221	ug/ml	98
62) Biphenyl	6.170	154	221207	19.753	ug/ml	99
84) Dichloran	7.586	206	25806	16.474	ug/ml	93
85) Pentachloronitrobenzene	7.714	237	27702	19.464	ug/ml	96
99) Diphenamid	8.670	167	139489	18.686	ug/ml	98

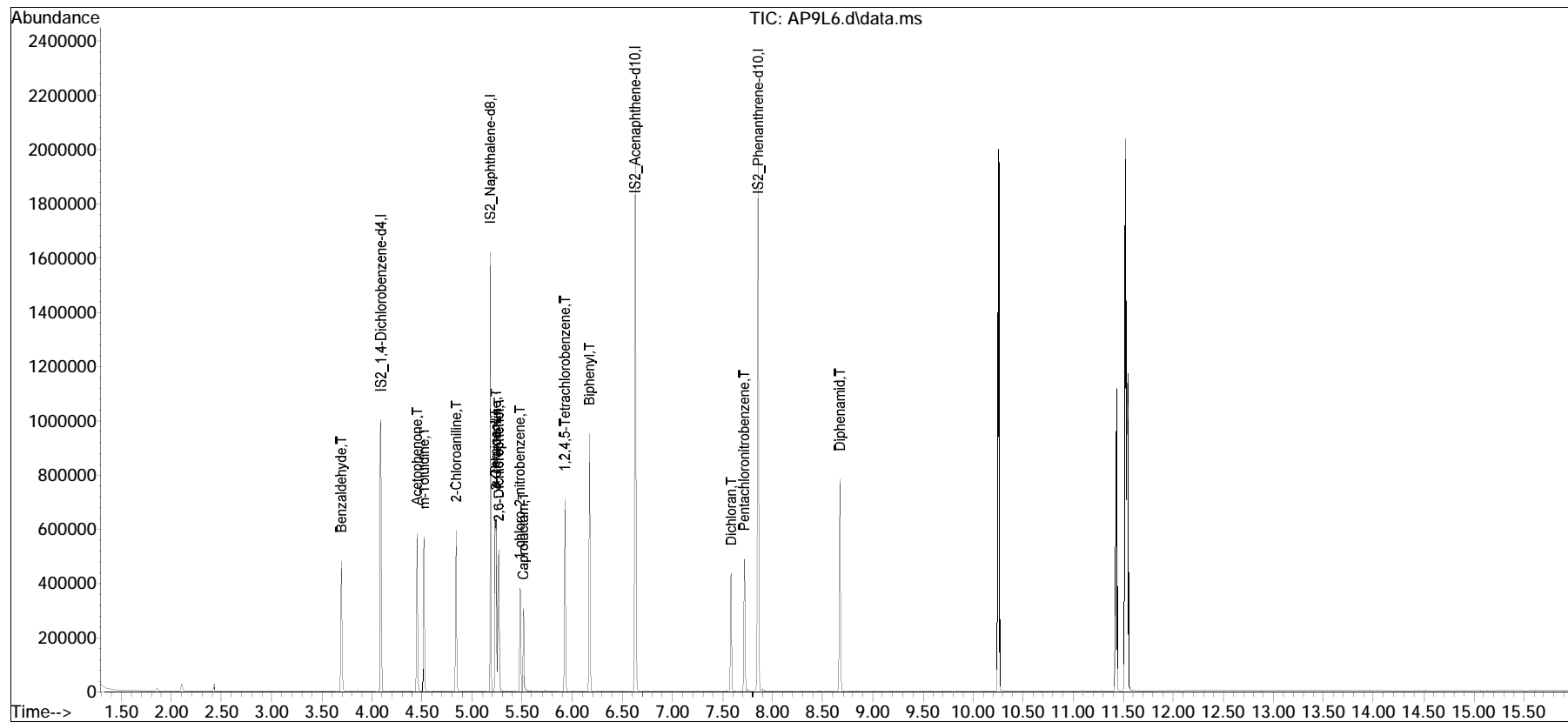
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\GCMS5\200401nical\  
Data File : AP9L6.d  
Acq On : 2 Apr 2020 3:56 am  
Operator : gcms5:ek  
Sample : IL15,32,,AP9L20 Lot# 8537  
Misc : wg1357700,,  
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Apr 02 11:06:52 2020  
Quant Method : i:\8270\gcms5\200401nical\FS200401gcms5.m  
Quant Title : Semivolatiles by GC/MS by modified 8270  
QLast Update : Thu Apr 02 10:56:47 2020  
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistcal\AP9L7.d•



Manual Integration Report

Data Path : I:\8270\GCMS5\200401nical\QMethod : FS200401gcms5.m  
Data File : AP9L6.d Operator : gcms5:ek  
Date Inj'd : 4/2/2020 3:56 am Instrument : GCMS5  
Sample : IL15,32,,AP9L20 Lot# 8537 Quant Date : 4/2/2020 10:58 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\GCMS5\200401nical\  
 Data File : AP9L5.d  
 Acq On : 2 Apr 2020 4:19 am  
 Operator : gcms5:ek  
 Sample : IL16,32,,AP9L10 Lot# 8536  
 Misc : wgl357700,,  
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: Apr 02 11:06:07 2020  
 Quant Method : i:\8270\gcms5\200401nical\FS200401gcms5.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Thu Apr 02 10:56:47 2020  
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\GCMS5\200401nical\AP9L7.d  
 Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----						
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	4.092	152	139720	40.000	ug/ml	0.00
Standard Area 1 = 149058			Recovery	=	93.74%	
55) IS2_Naphthalene-d8	5.182	136	531444	40.000	ug/ml	0.00
Standard Area 1 = 546946			Recovery	=	97.17%	
83) IS2_Acenaphthene-d10	6.630	164	292013	40.000	ug/ml	0.00
Standard Area 1 = 310854			Recovery	=	93.94%	
98) IS2_Phenanthrene-d10	7.853	188	576118	40.000	ug/ml	# 0.00
Standard Area 1 = 604595			Recovery	=	95.29%	

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
28) Benzaldehyde	3.691	105	37193	10.192	ug/ml	100
29) Acetophenone	4.450	105	62437	10.124	ug/ml#	92
30) m-Toluidine	4.525	106	65063	10.192	ug/ml	100
31) 2-Chloroaniline	4.840	127	59776	10.333	ug/ml	98
56) a-Terpineol	5.230	59	40843	9.286	ug/ml#	82
57) 3-Chloroaniline	5.241	65	19822	10.062	ug/ml	81
58) 2,6-Dichlorophenol	5.267	162	40358	9.469	ug/ml	96
59) 1-chloro-2-nitrobenzene	5.481	111	18696	9.614	ug/ml	90
60) Caprolactam	5.513	55	23425	9.170	ug/ml#	75
61) 1,2,4,5-Tetrachloroben...	5.924	216	47770	9.847	ug/ml	99
62) Biphenyl	6.170	154	112531	10.021	ug/ml	98
84) Dichloran	7.581	206	11171	7.304	ug/ml	91
85) Pentachloronitrobenzene	7.714	237	12599	9.067	ug/ml	98
99) Diphenamid	8.670	167	64470	8.943	ug/ml	95

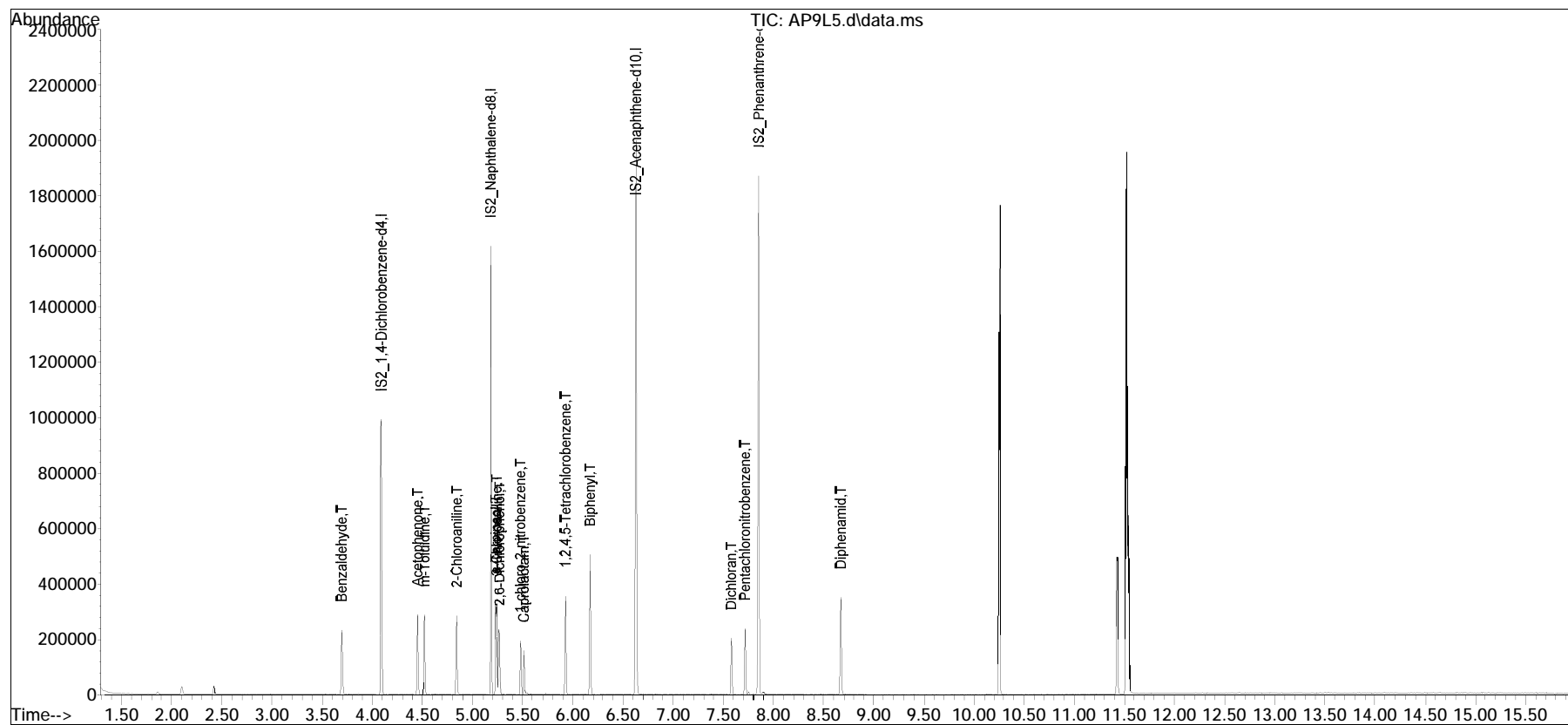
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\GCMS5\200401nical\  
 Data File : AP9L5.d  
 Acq On : 2 Apr 2020 4:19 am  
 Operator : gcms5:ek  
 Sample : IL16,32,,AP9L10 Lot# 8536  
 Misc : wg1357700,,  
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: Apr 02 11:06:07 2020  
 Quant Method : i:\8270\gcms5\200401nical\FS200401gcms5.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Thu Apr 02 10:56:47 2020  
 Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistcal\AP9L7.d•





Manual Integration Report

Data Path : I:\8270\GCMS5\200401nical\QMethod : FS200401gcms5.m  
Data File : AP9L5.d Operator : gcms5:ek  
Date Inj'd : 4/2/2020 4:19 am Instrument : GCMS5  
Sample : IL16,32,,AP9L10 Lot# 8536 Quant Date : 4/2/2020 10:58 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\GCMS5\200401nical\  
 Data File : AP9L4.d  
 Acq On : 2 Apr 2020 4:41 am  
 Operator : gcms5:ek  
 Sample : IL17,32,,AP9L5 Lot# 8535  
 Misc : wgl357700,,  
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Apr 02 11:20:28 2020  
 Quant Method : i:\8270\gcms5\200401nical\FS200401gcms5.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Thu Apr 02 11:20:11 2020  
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\GCMS5\200401nical\AP9L7.d  
 Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----						
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	4.092	152	148262	40.000	ug/ml	0.00
Standard Area 1 = 149058			Recovery	=	99.47%	
55) IS2_Naphthalene-d8	5.182	136	550061	40.000	ug/ml	0.00
Standard Area 1 = 546946			Recovery	=	100.57%	
83) IS2_Acenaphthene-d10	6.629	164	309786	40.000	ug/ml	0.00
Standard Area 1 = 310854			Recovery	=	99.66%	
98) IS2_Phenanthrene-d10	7.853	188	604224	40.000	ug/ml	# 0.00
Standard Area 1 = 604595			Recovery	=	99.94%	

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
28) Benzaldehyde	3.691	105	19787	5.138	ug/ml	99
29) Acetophenone	4.450	105	32254	5.060	ug/ml#	89
30) m-Toluidine	4.525	106	33388	5.076	ug/ml	98
31) 2-Chloroaniline	4.840	127	31506	5.199	ug/ml	97
56) a-Terpineol	5.230	59	22055	5.097	ug/ml	85
57) 3-Chloroaniline	5.240	65	10575	5.294	ug/ml	83
58) 2,6-Dichlorophenol	5.267	162	21081	5.033	ug/ml	93
59) 1-chloro-2-nitrobenzene	5.481	111	8874	4.562	ug/ml	95
60) Caprolactam	5.513	55	10637	4.206	ug/ml#	77
61) 1,2,4,5-Tetrachloroben...	5.924	216	25739	5.231	ug/ml	98
62) Biphenyl	6.170	154	59479	5.313	ug/ml	99
84) Dichloran	7.580	206	5604	3.814	ug/ml	94
85) Pentachloronitrobenzene	7.714	237	6164	4.249	ug/ml	94
99) Diphenamid	8.670	167	33497	4.601	ug/ml	95

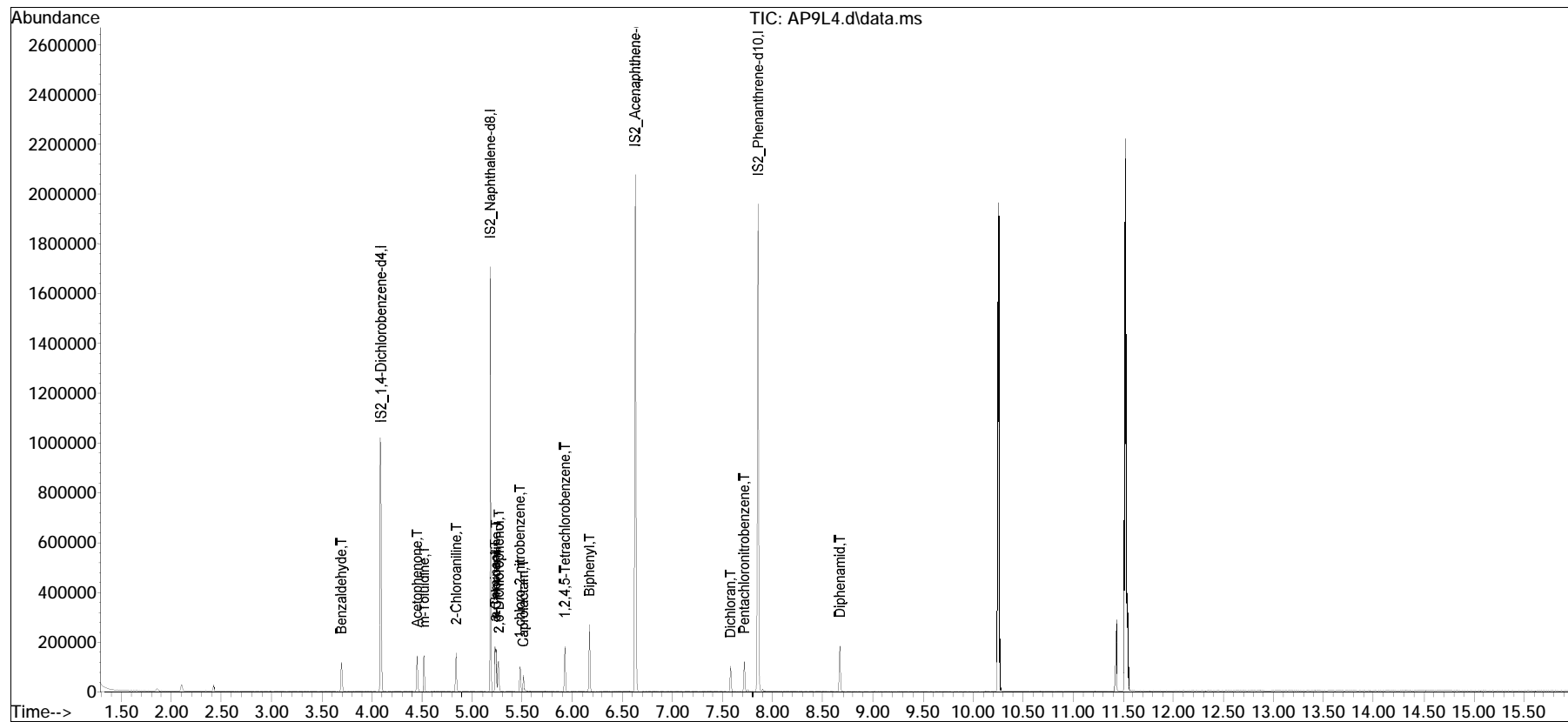
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\GCMS5\200401nical\  
 Data File : AP9L4.d  
 Acq On : 2 Apr 2020 4:41 am  
 Operator : gcms5:ek  
 Sample : IL17,32,,AP9L5 Lot# 8535  
 Misc : wg1357700,,  
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Apr 02 11:20:28 2020  
 Quant Method : i:\8270\gcms5\200401nical\FS200401gcms5.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Thu Apr 02 11:20:11 2020  
 Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistcal\AP9L7.d•



Manual Integration Report

Data Path : I:\8270\GCMS5\200401nical\QMethod : FS200401gcms5.m  
Data File : AP9L4.d Operator : gcms5:ek  
Date Inj'd : 4/2/2020 4:41 am Instrument : GCMS5  
Sample : IL17,32,,AP9L5 Lot# 8535 Quant Date : 4/2/2020 11:20 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\GCMS5\200401nical\  
 Data File : AP9L3.d  
 Acq On : 2 Apr 2020 5:04 am  
 Operator : gcms5:ek  
 Sample : IL18,32,,AP9L3 Lot# 8534  
 Misc : wgl357700,,  
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Apr 02 11:03:01 2020  
 Quant Method : i:\8270\gcms5\200401nical\FS200401gcms5.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Thu Apr 02 10:56:47 2020  
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\GCMS5\200401nical\AP9L7.d  
 Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----						
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	4.092	152	140523	40.000	ug/ml	0.00
Standard Area 1 = 149058			Recovery	=	94.27%	
55) IS2_Naphthalene-d8	5.182	136	536235	40.000	ug/ml	0.00
Standard Area 1 = 546946			Recovery	=	98.04%	
83) IS2_Acenaphthene-d10	6.629	164	275805	40.000	ug/ml	0.00
Standard Area 1 = 310854			Recovery	=	88.72%	
98) IS2_Phenanthrene-d10	7.853	188	583523	40.000	ug/ml	0.00
Standard Area 1 = 604595			Recovery	=	96.51%	

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
28) Benzaldehyde	3.696	105	11189	3.049	ug/ml	96
29) Acetophenone	4.450	105	16779	2.705	ug/ml#	87
30) m-Toluidine	4.525	106	18214	2.837	ug/ml	99
31) 2-Chloroaniline	4.840	127	17738	3.049	ug/ml	95
56) a-Terpineol	5.230	59	12101	2.727	ug/ml#	84
57) 3-Chloroaniline	5.240	65	5391	2.712	ug/ml	88
58) 2,6-Dichlorophenol	5.267	162	11526	2.680	ug/ml	96
59) 1-chloro-2-nitrobenzene	5.486	111	5390	2.747	ug/ml	93
60) Caprolactam	5.513	55	5427	2.106	ug/ml#	77
61) 1,2,4,5-Tetrachloroben...	5.924	216	13409	2.739	ug/ml	97
62) Biphenyl	6.170	154	31258	2.759	ug/ml	100
84) Dichloran	7.586	206	3144	2.176	ug/ml	92
85) Pentachloronitrobenzene	7.714	237	3583	2.730	ug/ml	92
99) Diphenamid	8.670	167	19512	2.672	ug/ml	98

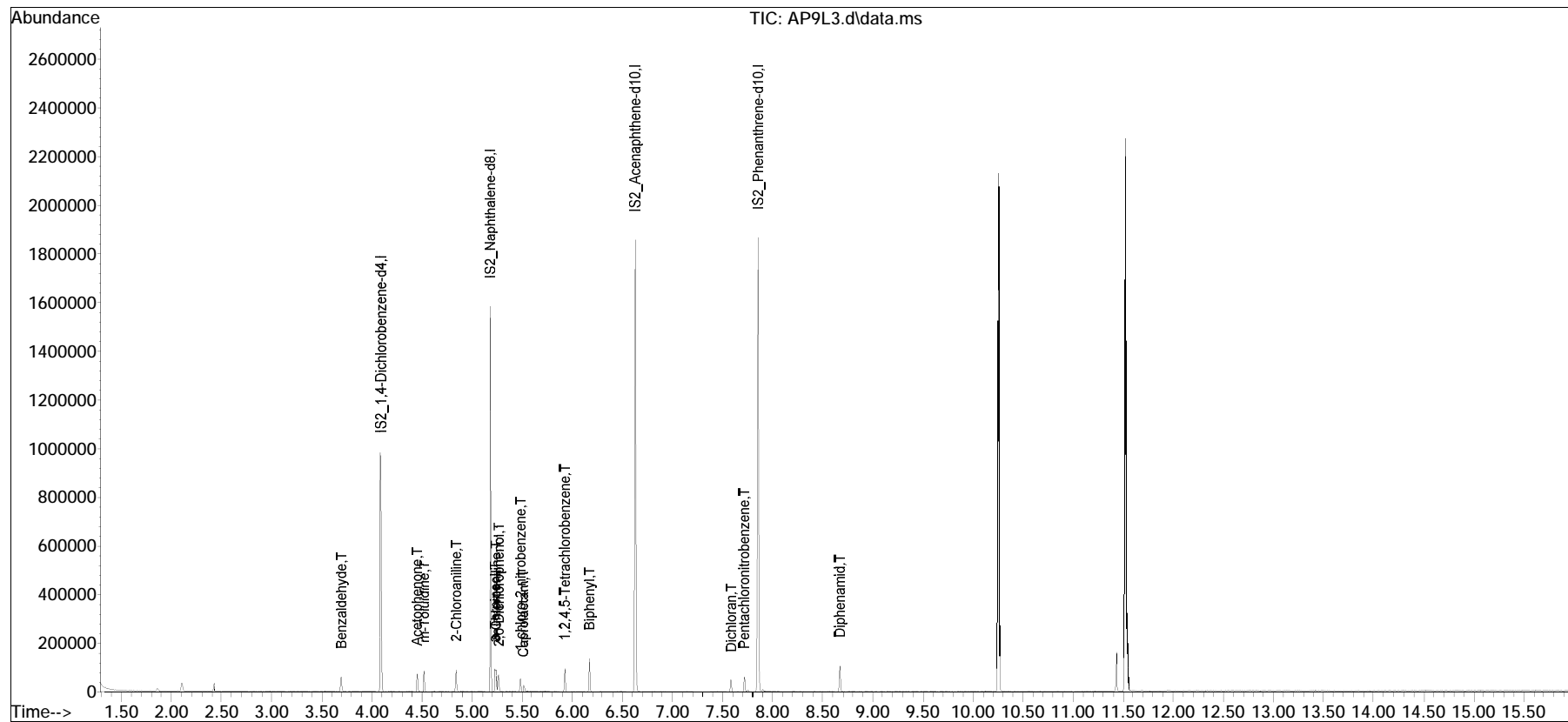
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\GCMS5\200401nical\  
Data File : AP9L3.d  
Acq On : 2 Apr 2020 5:04 am  
Operator : gcms5:ek  
Sample : IL18,32,,AP9L3 Lot# 8534  
Misc : wg1357700,,  
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Apr 02 11:03:01 2020  
Quant Method : i:\8270\gcms5\200401nical\FS200401gcms5.m  
Quant Title : Semivolatiles by GC/MS by modified 8270  
QLast Update : Thu Apr 02 10:56:47 2020  
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistcal\AP9L7.d•



Manual Integration Report

Data Path : I:\8270\GCMS5\200401nical\QMethod : FS200401gcms5.m  
Data File : AP9L3.d Operator : gcms5:ek  
Date Inj'd : 4/2/2020 5:04 am Instrument : GCMS5  
Sample : IL18,32,,AP9L3 Lot# 8534 Quant Date : 4/2/2020 10:57 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\GCMS5\200401nical\  
 Data File : AP9L2.d  
 Acq On : 2 Apr 2020 5:26 am  
 Operator : gcms5:ek  
 Sample : IL19,32,,AP9L2 Lot# 8533  
 Misc : wgl357700,,  
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: Apr 02 11:02:21 2020  
 Quant Method : i:\8270\gcms5\200401nical\FS200401gcms5.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Thu Apr 02 10:56:47 2020  
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\GCMS5\200401nical\AP9L7.d  
 Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----						
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	4.087	152	125521	40.000	ug/ml	0.00
Standard Area 1 = 149058			Recovery	=	84.21%	
55) IS2_Naphthalene-d8	5.182	136	457730	40.000	ug/ml	0.00
Standard Area 1 = 546946			Recovery	=	83.69%	
83) IS2_Acenaphthene-d10	6.630	164	260690	40.000	ug/ml	0.00
Standard Area 1 = 310854			Recovery	=	83.86%	
98) IS2_Phenanthrene-d10	7.853	188	492037	40.000	ug/ml	0.00
Standard Area 1 = 604595			Recovery	=	81.38%	

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
28) Benzaldehyde	3.697	105	5979	1.824	ug/ml	93
29) Acetophenone	4.450	105	10608	1.915	ug/ml#	84
30) m-Toluidine	4.525	106	10493	1.830	ug/ml	98
31) 2-Chloroaniline	4.840	127	9424	1.813	ug/ml#	91
56) a-Terpineol	5.230	59	7399	1.953	ug/ml#	75
57) 3-Chloroaniline	5.241	65	3167	1.867	ug/ml	86
58) 2,6-Dichlorophenol	5.267	162	5860	1.596	ug/ml	98
59) 1-chloro-2-nitrobenzene	5.481	111	3351	2.001	ug/ml#	82
60) Caprolactam	5.524	55	2056	0.934	ug/ml#	84
61) 1,2,4,5-Tetrachloroben...	5.924	216	7922	1.896	ug/ml	92
62) Biphenyl	6.170	154	18062	1.867	ug/ml	95
84) Dichloran	7.581	206	1351	0.989	ug/ml#	69
85) Pentachloronitrobenzene	7.714	237	1559	1.257	ug/ml#	78
99) Diphenamid	8.670	167	9499	1.543	ug/ml	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

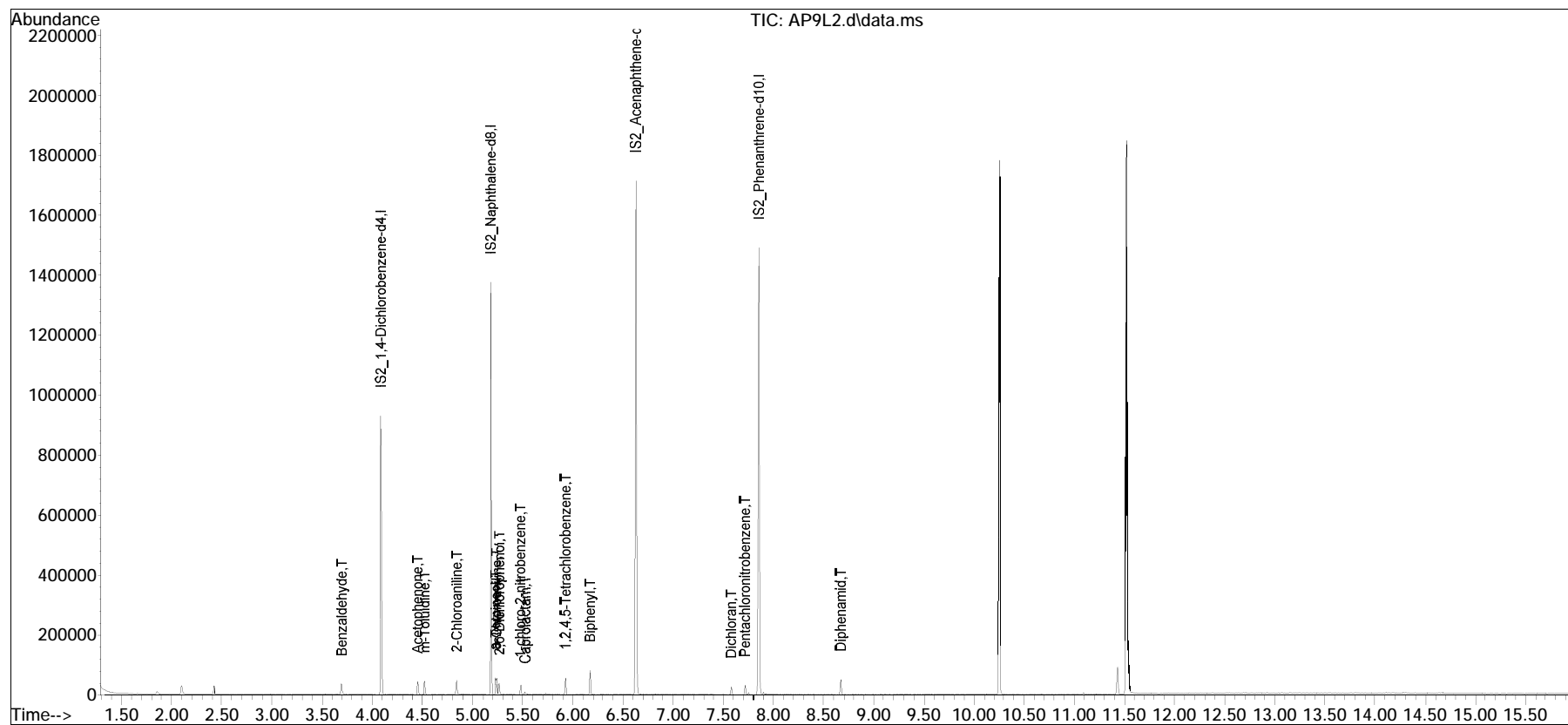


Quantitation Report (QT Reviewed)

Data Path : I:\8270\GCMS5\200401nical\  
Data File : AP9L2.d  
Acq On : 2 Apr 2020 5:26 am  
Operator : gcms5:ek  
Sample : IL19,32,,AP9L2 Lot# 8533  
Misc : wg1357700,,  
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Apr 02 11:02:21 2020  
Quant Method : i:\8270\gcms5\200401nical\FS200401gcms5.m  
Quant Title : Semivolatiles by GC/MS by modified 8270  
QLast Update : Thu Apr 02 10:56:47 2020  
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistcal\AP9L7.d•



Manual Integration Report

Data Path : I:\8270\GCMS5\200401nical\QMethod : FS200401gcms5.m  
Data File : AP9L2.d Operator : gcms5:ek  
Date Inj'd : 4/2/2020 5:26 am Instrument : GCMS5  
Sample : IL19,32,,AP9L2 Lot# 8533 Quant Date : 4/2/2020 10:57 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\GCMS5\200401nical\  
 Data File : AP9L1.d  
 Acq On : 2 Apr 2020 5:49 am  
 Operator : gcms5:ek  
 Sample : IL20,32,,AP9L1 Lot# 8532  
 Misc : wgl357700,,  
 ALS Vial : 20 Sample Multiplier: 1

Quant Time: Apr 02 10:59:25 2020  
 Quant Method : i:\8270\gcms5\200401nical\FS200401gcms5.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Thu Apr 02 10:56:47 2020  
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\GCMS5\200401nical\AP9L7.d  
 Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----						
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	4.092	152	137210	40.000	ug/ml	0.00
Standard Area 1 = 149058			Recovery	=	92.05%	
55) IS2_Naphthalene-d8	5.182	136	489393	40.000	ug/ml	0.00
Standard Area 1 = 546946			Recovery	=	89.48%	
83) IS2_Acenaphthene-d10	6.630	164	287577	40.000	ug/ml	0.00
Standard Area 1 = 310854			Recovery	=	92.51%	
98) IS2_Phenanthrene-d10	7.853	188	494033	40.000	ug/ml	0.00
Standard Area 1 = 604595			Recovery	=	81.71%	

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
28) Benzaldehyde	3.702	105	1497	0.418	ug/ml#	76
29) Acetophenone	4.455	105	2745	0.453	ug/ml#	78
30) m-Toluidine	4.525	106	2893	0.461	ug/ml#	93
31) 2-Chloroaniline	4.840	127	2755	0.485	ug/ml	94
56) a-Terpineol	5.230	59	2099	0.518	ug/ml	85
57) 3-Chloroaniline	5.241	65	776	0.428	ug/ml	90
58) 2,6-Dichlorophenol	5.267	162	1228	0.313	ug/ml#	89
59) 1-chloro-2-nitrobenzene	5.486	111	570	0.318	ug/ml#	72
60) Caprolactam	0.000		0	N.D.		
61) 1,2,4,5-Tetrachloroben...	5.924	216	2233	0.500	ug/ml#	75
62) Biphenyl	6.170	154	4801	0.464	ug/ml#	86
84) Dichloran	0.000		0	N.D.		
85) Pentachloronitrobenzene	0.000		0	N.D.		
99) Diphenamid	8.670	167	2942	0.476	ug/ml	88

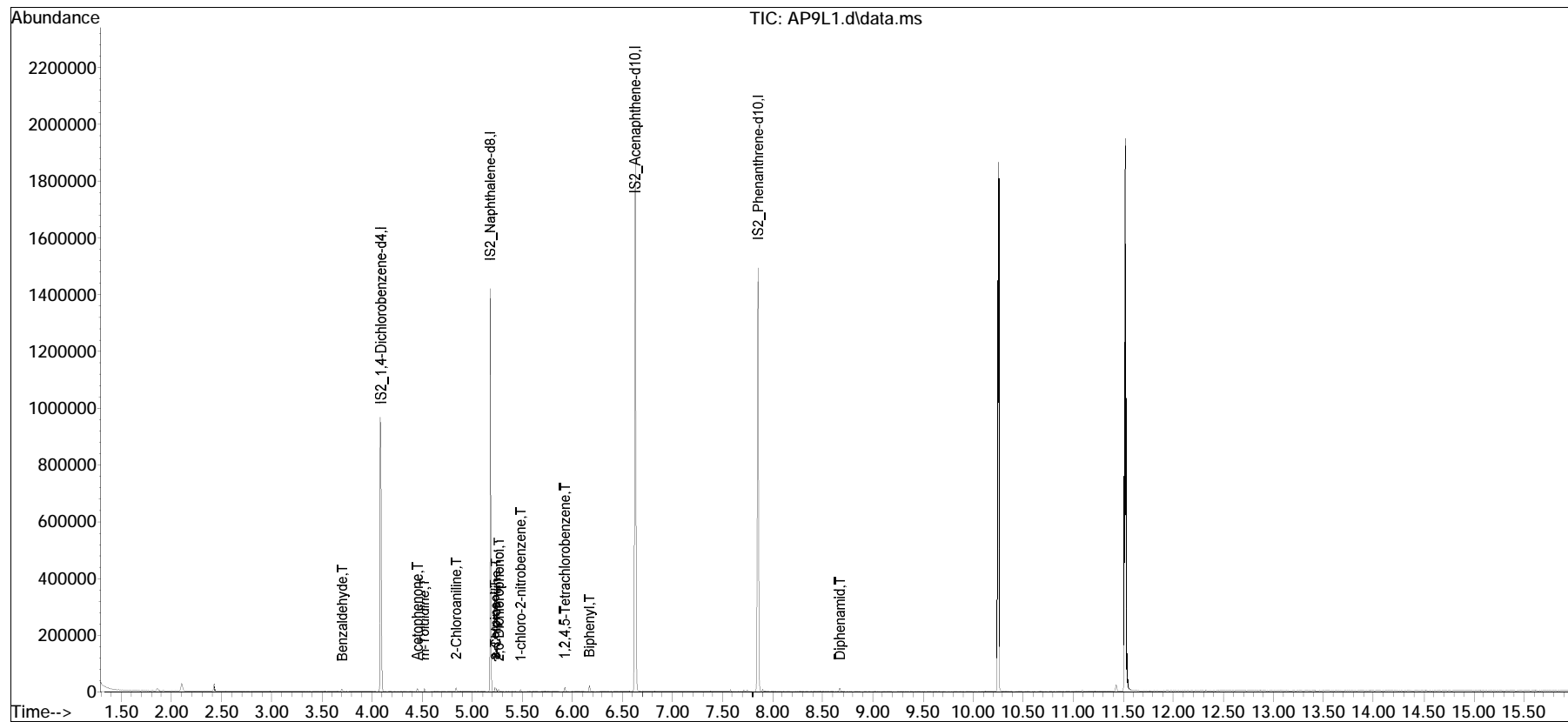
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\GCMS5\200401nical\  
Data File : AP9L1.d  
Acq On : 2 Apr 2020 5:49 am  
Operator : gcms5:ek  
Sample : IL20,32,,AP9L1 Lot# 8532  
Misc : wg1357700,,  
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Apr 02 10:59:25 2020  
Quant Method : i:\8270\gcms5\200401nical\FS200401gcms5.m  
Quant Title : Semivolatiles by GC/MS by modified 8270  
QLast Update : Thu Apr 02 10:56:47 2020  
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistcal\AP9L7.d•



Manual Integration Report

Data Path : I:\8270\GCMS5\200401nical\QMethod : FS200401gcms5.m  
Data File : AP9L1.d Operator : gcms5:ek  
Date Inj'd : 4/2/2020 5:49 am Instrument : GCMS5  
Sample : IL20,32,,AP9L1 Lot# 8532 Quant Date : 4/2/2020 10:57 am

There are no manual integrations or false positives in this file.

Evaluate Continuing Calibration Report

Data Path : I:\8270\GCMS5\200401nical\  
 Data File : AP9ICV.d  
 Acq On : 2 Apr 2020 6:34 am  
 Operator : gcms5:ek  
 Sample : CQICV2,32,,AP9ICV Lot# 8516  
 Misc : wgl357700,,  
 ALS Vial : 22 Sample Multiplier: 1

Quant Time: Apr 02 11:18:34 2020  
 Quant Method : i:\8270\gcms5\200401nical\FS200401gcms5.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Thu Apr 02 11:18:12 2020  
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
27 I	IS2_1,4-Dichlorobenzene-d4	1.000	1.000	0.0	111	0.00
28 T	Benzaldehyde	1.039	1.021	1.7	108	0.00
29 T	Acetophenone	1.720	1.534	10.8	96	0.00
30 T	m-Toluidine	1.775	1.605	9.6	97	0.00
31 T	2-Chloroaniline	1.635	1.559	4.6	104	0.00
55 I	IS2_Naphthalene-d8	1.000	1.000	0.0	113	0.00
56 T	a-Terpineol	0.315	0.287	8.9	98	0.00
57 T	3-Chloroaniline	0.145	0.138	4.8	105	0.00
58 T	2,6-Dichlorophenol	0.305	0.294	3.6	104	0.00
59 T	1-chloro-2-nitrobenzene	0.141	0.131	7.1	101	0.00
60 T	Caprolactam	0.184	0.174	5.4	101	0.01
61 T	1,2,4,5-Tetrachlorobenzene	0.358	0.325	9.2	101	0.00
62 T	Biphenyl	0.814	0.746	8.4	100	0.00
83 I	IS2_Acenaphthene-d10	1.000	1.000	0.0	103	0.00
84 T	Dichloran	0.190	0.183	3.7	90	0.00
85 T	Pentachloronitrobenzene	0.187	0.179	4.3	97	0.00
98 I	IS2_Phenanthrene-d10	1.000	1.000	0.0	106	0.00
99 T	Diphenamid	0.482	0.444	7.9	94	0.00

\* Evaluation of CC level amount vs concentration.  
 (#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\GCMS5\200401nical\  
 Data File : AP9ICV.d  
 Acq On : 2 Apr 2020 6:34 am  
 Operator : gcms5:ek  
 Sample : CQICV2,32,,AP9ICV Lot# 8516  
 Misc : wgl357700,,  
 ALS Vial : 22 Sample Multiplier: 1

Quant Time: Apr 02 11:18:34 2020  
 Quant Method : i:\8270\gcms5\200401nical\FS200401gcms5.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Thu Apr 02 11:18:12 2020  
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\GCMS5\200401nical\AP9L7.d  
 Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----						
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	4.092	152	165184	40.000	ug/ml	0.00
Standard Area 1 = 149058			Recovery	=	110.82%	
55) IS2_Naphthalene-d8	5.182	136	619294	40.000	ug/ml	0.00
Standard Area 1 = 546946			Recovery	=	113.23%	
83) IS2_Acenaphthene-d10	6.629	164	320643	40.000	ug/ml	0.00
Standard Area 1 = 310854			Recovery	=	103.15%	
98) IS2_Phenanthrene-d10	7.853	188	643428	40.000	ug/ml	# 0.00
Standard Area 1 = 604595			Recovery	=	106.42%	

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
28) Benzaldehyde	3.691	105	210850	49.138	ug/ml	99
29) Acetophenone	4.450	105	316673	44.590	ug/ml#	92
30) m-Toluidine	4.525	106	331419	45.222	ug/ml	100
31) 2-Chloroaniline	4.840	127	321864	47.669	ug/ml	97
56) a-Terpineol	5.230	59	222511	45.674	ug/ml#	81
57) 3-Chloroaniline	5.240	65	107090	47.619	ug/ml	84
58) 2,6-Dichlorophenol	5.267	162	227799	48.310	ug/ml	98
59) 1-chloro-2-nitrobenzene	5.486	111	101345	46.280	ug/ml	95
60) Caprolactam	5.524	55	134625	47.279	ug/ml#	77
61) 1,2,4,5-Tetrachloroben...	5.924	216	251851	45.465	ug/ml	98
62) Biphenyl	6.170	154	577253	45.802	ug/ml	99
84) Dichloran	7.586	206	73300	48.196	ug/ml	94
85) Pentachloronitrobenzene	7.714	237	71712	47.758	ug/ml	95
99) Diphenamid	8.670	167	356775	46.020	ug/ml	99

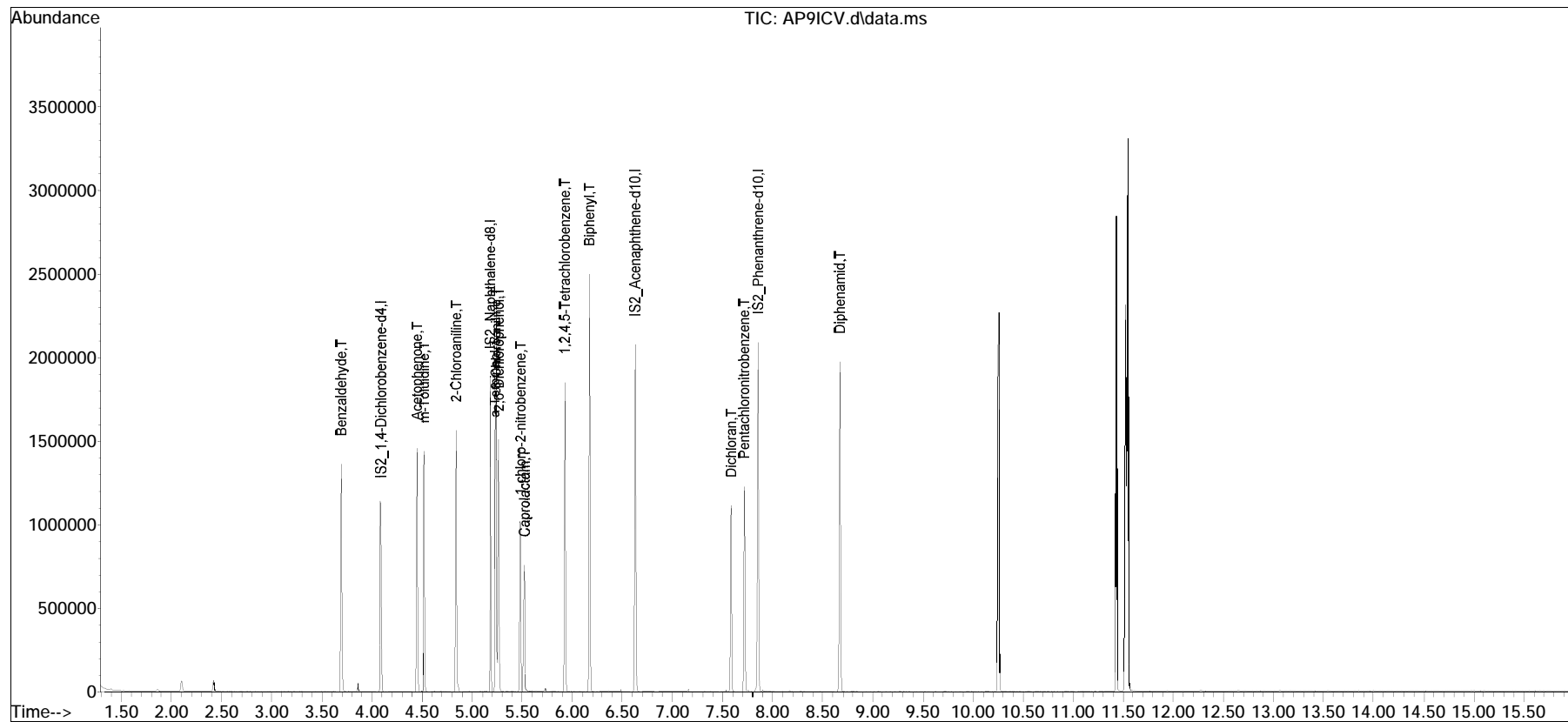
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

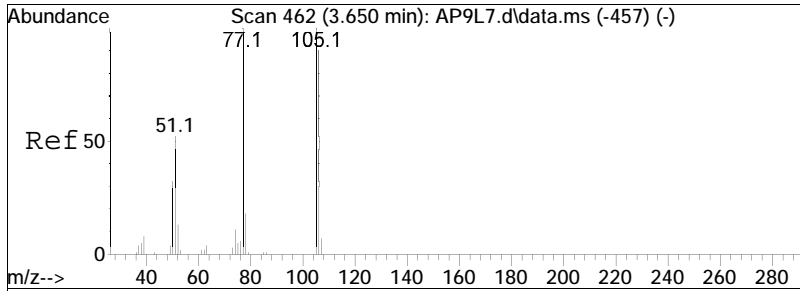
Data Path : I:\8270\GCMS5\200401nical\  
 Data File : AP9ICV.d  
 Acq On : 2 Apr 2020 6:34 am  
 Operator : gcms5:ek  
 Sample : CQICV2,32,,AP9ICV Lot# 8516  
 Misc : wg1357700,,  
 ALS Vial : 22 Sample Multiplier: 1

Quant Time: Apr 02 11:18:34 2020  
 Quant Method : i:\8270\gcms5\200401nical\FS200401gcms5.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Thu Apr 02 11:18:12 2020  
 Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistcal\AP9L7.d•

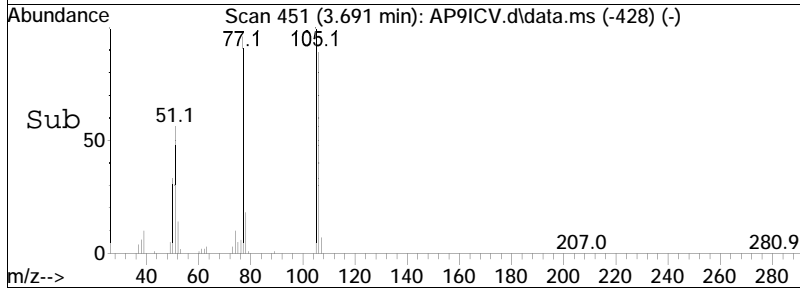
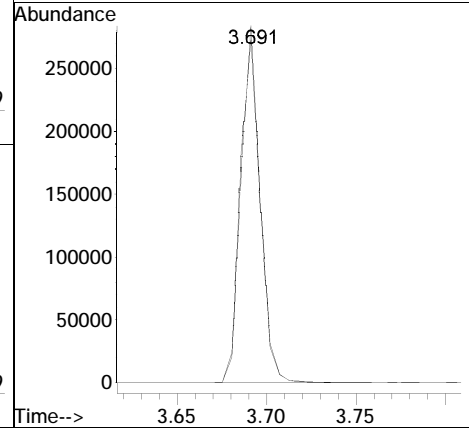
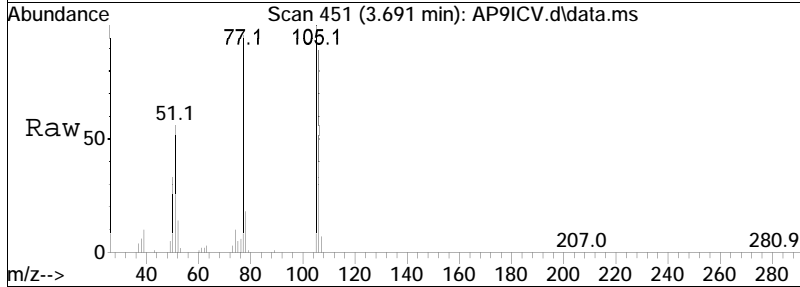


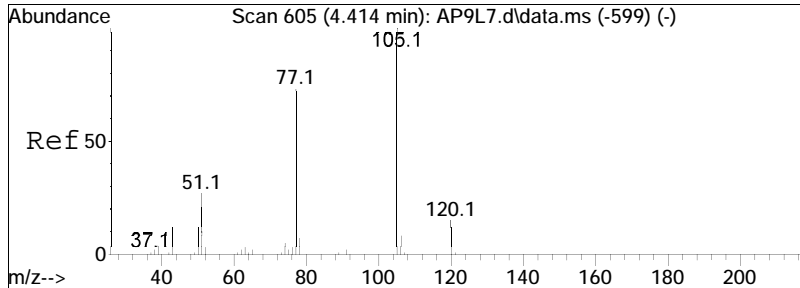




#28  
 Benzaldehyde  
 Concen: 49.14 ug/ml  
 RT: 3.691 min Scan# 451  
 Delta R.T. 0.000 min  
 Lab File: AP9ICV.d  
 Acq: 2 Apr 2020 6:34 am

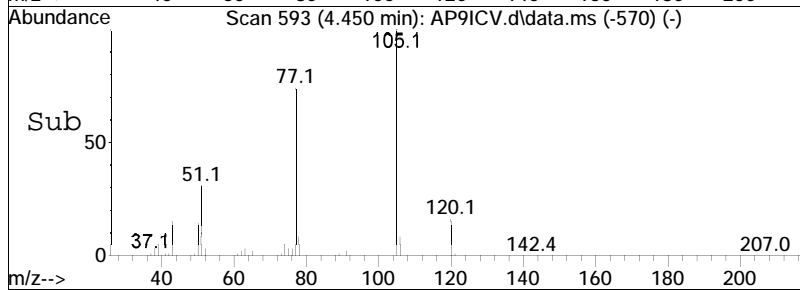
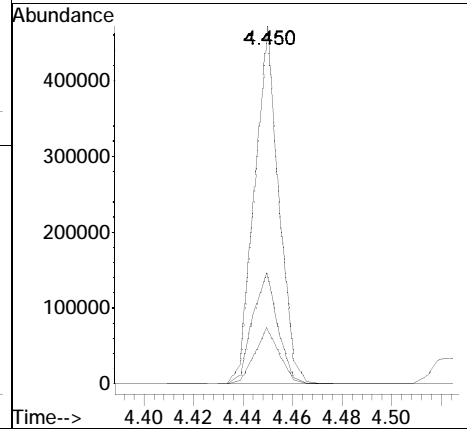
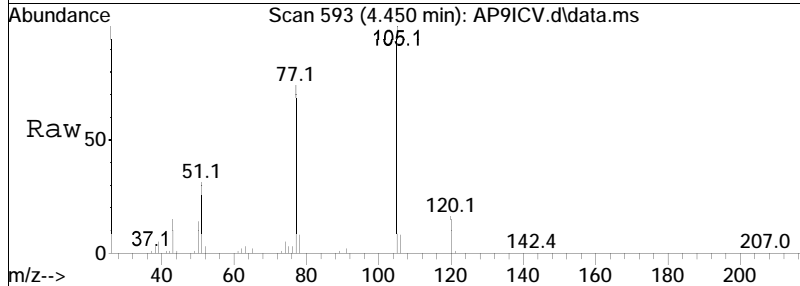
Tgt Ion:105 Resp: 210850  
 Ion Ratio Lower Upper  
 105 100  
 77 99.9 79.3 118.9

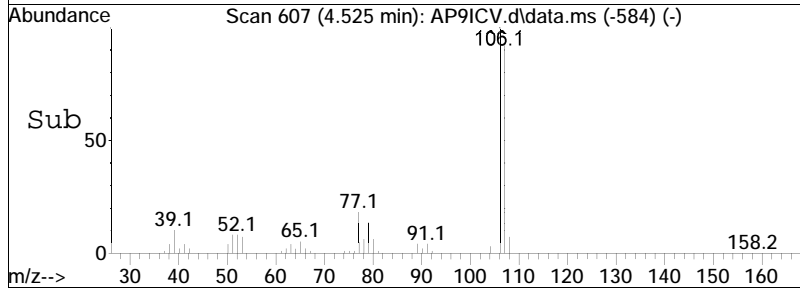
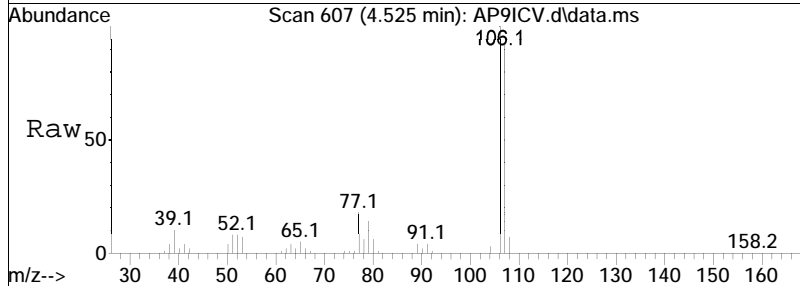
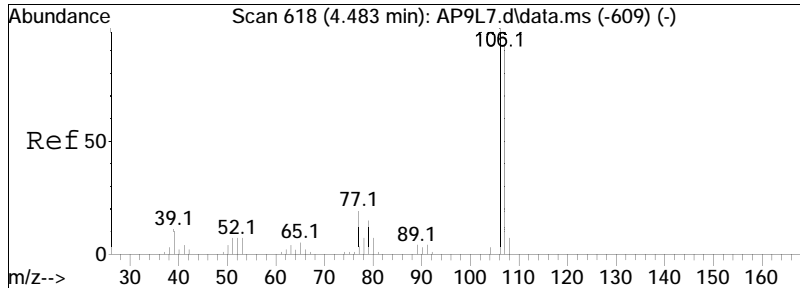




#29  
 Acetophenone  
 Concen: 44.59 ug/ml  
 RT: 4.450 min Scan# 593  
 Delta R.T. -0.000 min  
 Lab File: AP9ICV.d  
 Acq: 2 Apr 2020 6:34 am

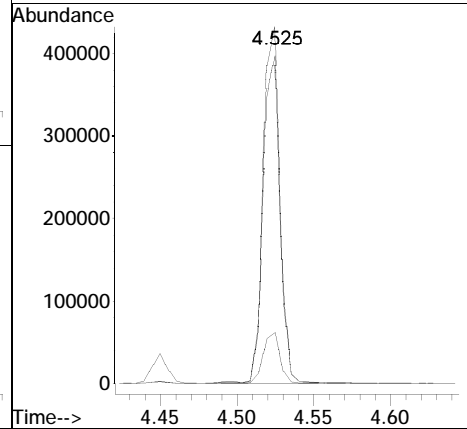
Tgt Ion	Ratio	Lower	Upper
105	100		
120	16.0	17.4	26.2#
51	32.4	23.8	35.6

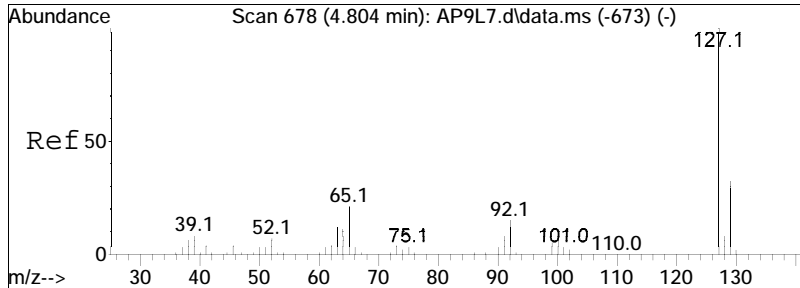




#30  
 m-Toluidine  
 Concen: 45.22 ug/ml  
 RT: 4.525 min Scan# 607  
 Delta R.T. -0.000 min  
 Lab File: AP9ICV.d  
 Acq: 2 Apr 2020 6:34 am

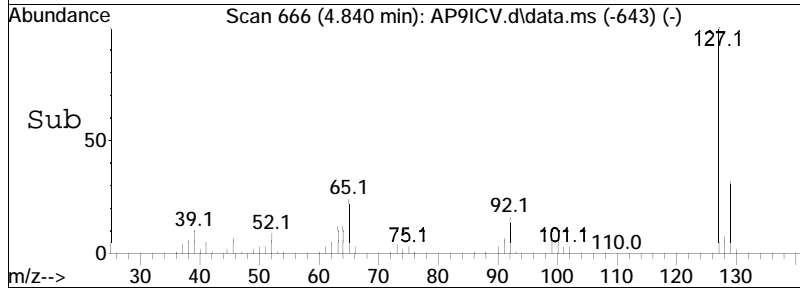
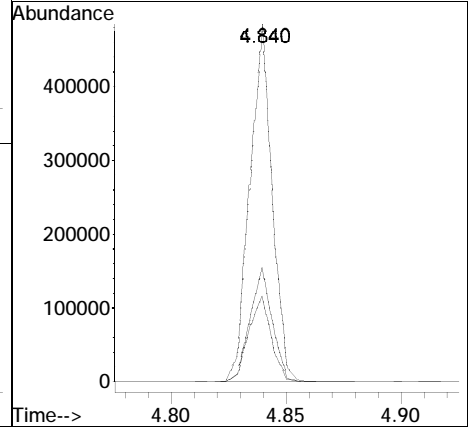
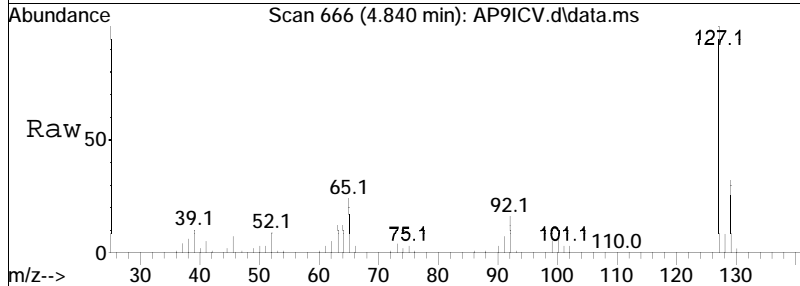
Tgt Ion	Resp	Lower	Upper
106	100		
107	90.7	72.5	108.7
79	14.3	11.4	17.2

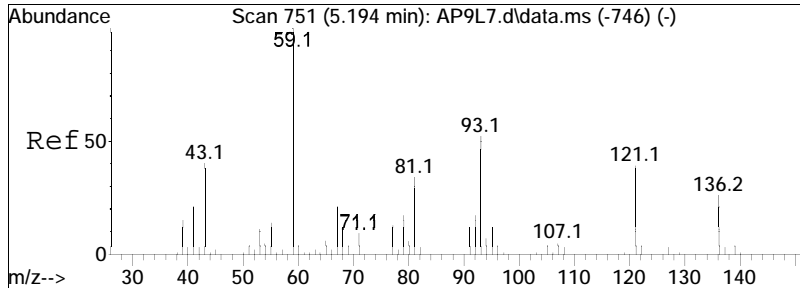




#31  
 2-Chloroaniline  
 Concen: 47.67 ug/ml  
 RT: 4.840 min Scan# 666  
 Delta R.T. -0.000 min  
 Lab File: AP9ICV.d  
 Acq: 2 Apr 2020 6:34 am

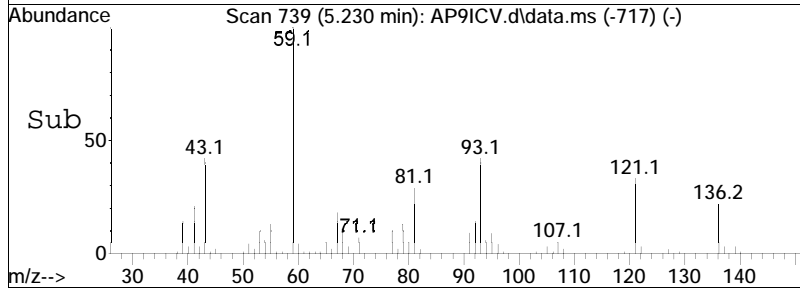
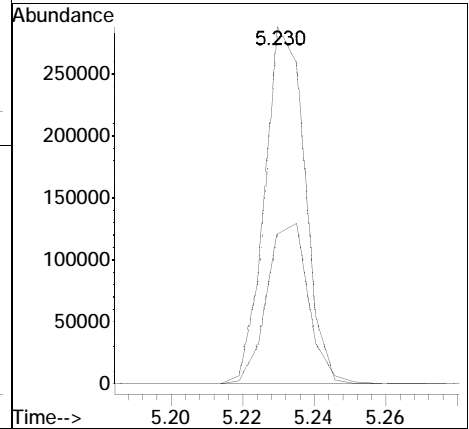
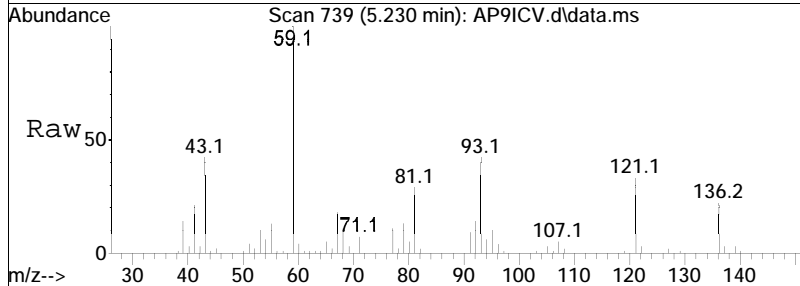
Tgt Ion	Resp	Lower	Upper
127	100		
129	32.2	25.5	38.3
65	24.6	17.3	25.9

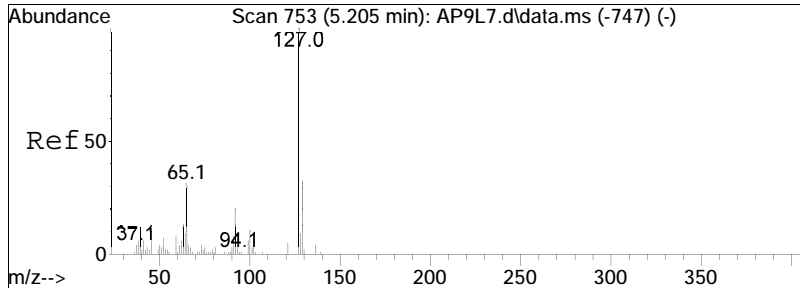




#56  
 a-Terpineol  
 Concen: 45.67 ug/ml  
 RT: 5.230 min Scan# 739  
 Delta R.T. -0.005 min  
 Lab File: AP9ICV.d  
 Acq: 2 Apr 2020 6:34 am

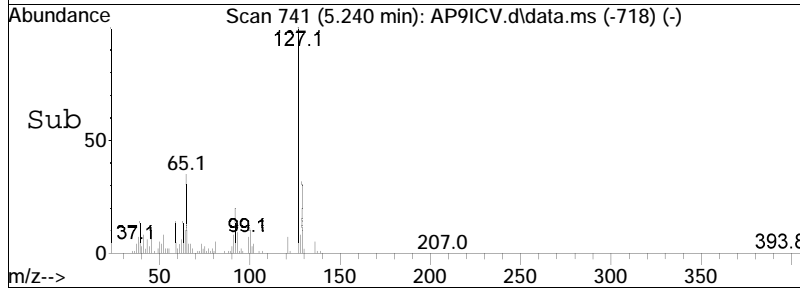
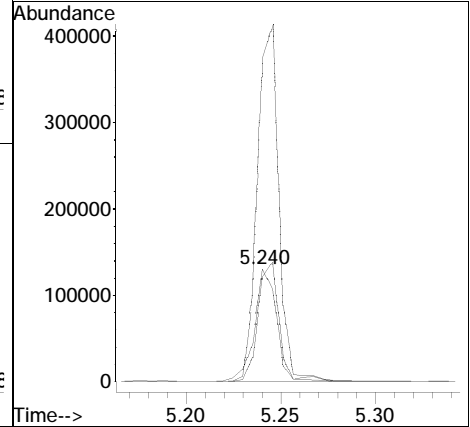
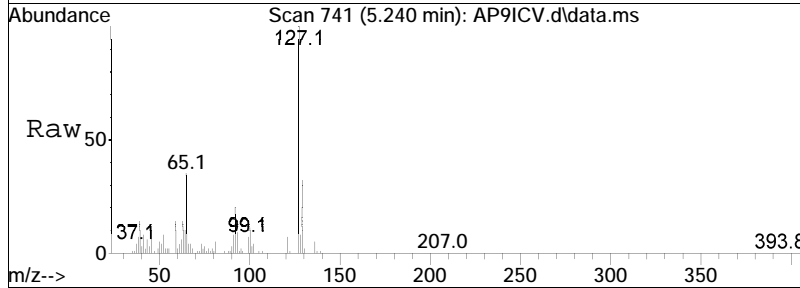
Tgt Ion:	59	Resp:	222511
Ion Ratio	Lower	Upper	
59	100		
93	47.0	49.3	73.9#

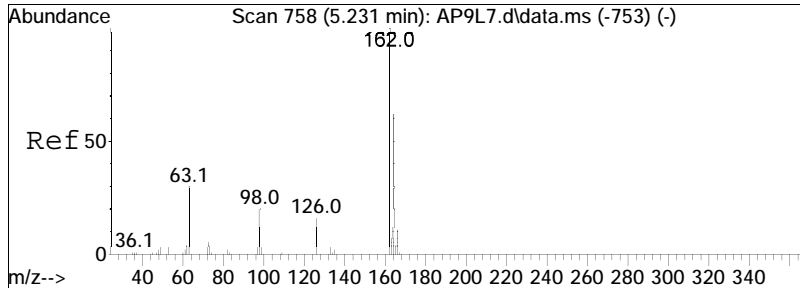




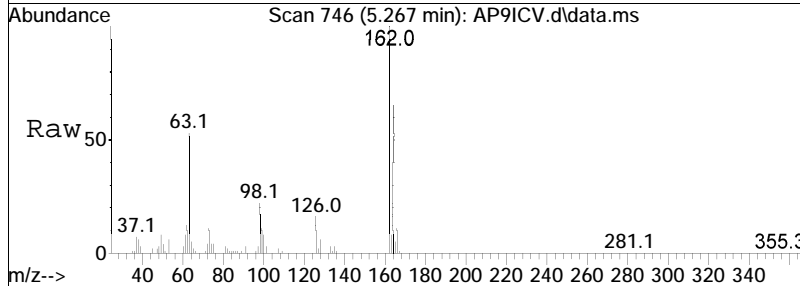
#57  
 3-Chloroaniline  
 Concen: 47.62 ug/ml  
 RT: 5.240 min Scan# 741  
 Delta R.T. -0.001 min  
 Lab File: AP9ICV.d  
 Acq: 2 Apr 2020 6:34 am

Tgt Ion:	Resp:	Lower	Upper
65	107090		
127	301.4	269.3	403.9
129	97.4	88.2	132.4

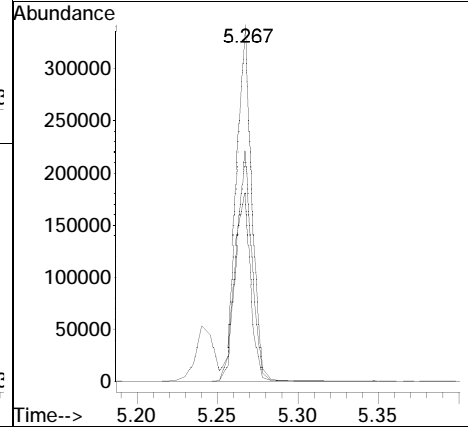
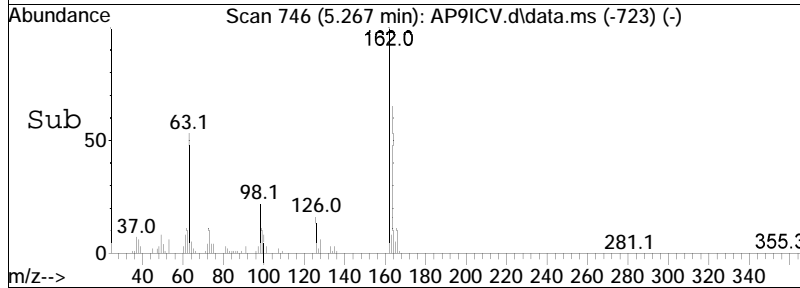


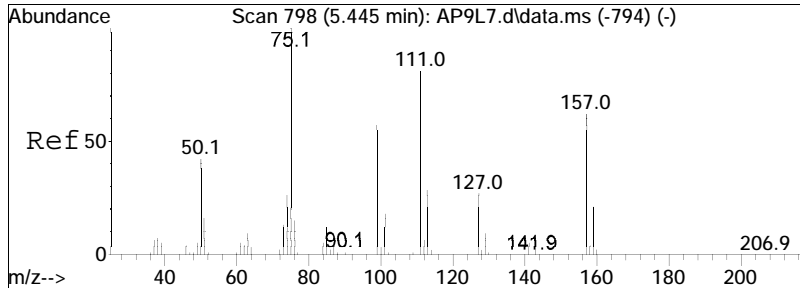


#58  
 2,6-Dichlorophenol  
 Concen: 48.31 ug/ml  
 RT: 5.267 min Scan# 746  
 Delta R.T. 0.000 min  
 Lab File: AP9ICV.d  
 Acq: 2 Apr 2020 6:34 am

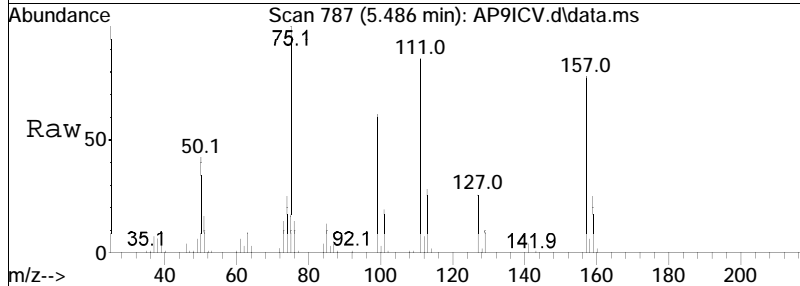


Tgt Ion	Resp	Lower	Upper
162	100		
164	64.5	51.8	77.6
63	55.1	41.7	62.5

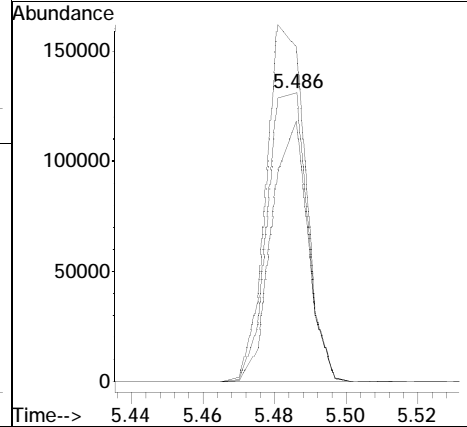
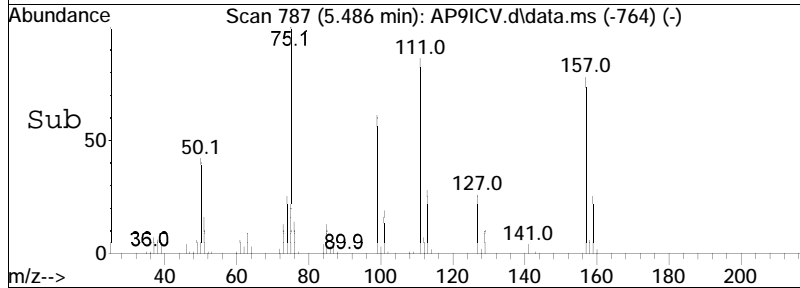




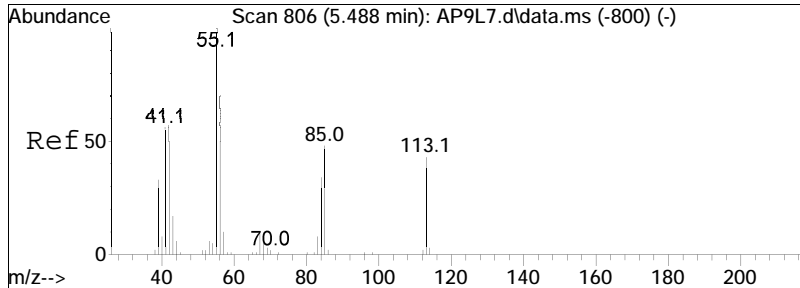
#59  
 1-chloro-2-nitrobenzene  
 Concen: 46.28 ug/ml  
 RT: 5.486 min Scan# 787  
 Delta R.T. 0.000 min  
 Lab File: AP9ICV.d  
 Acq: 2 Apr 2020 6:34 am



Tgt Ion	Resp	Lower	Upper
111	101345		
157	81.9	67.6	101.4
75	121.5	102.5	153.7

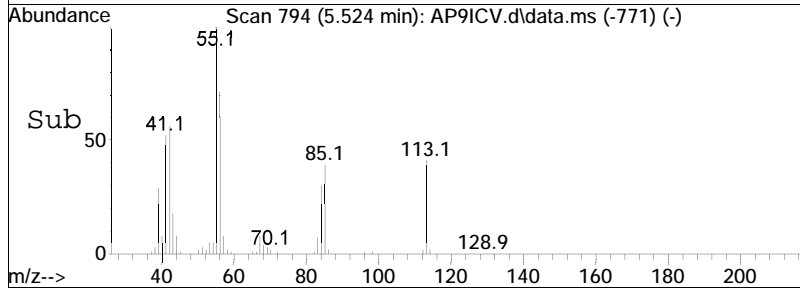
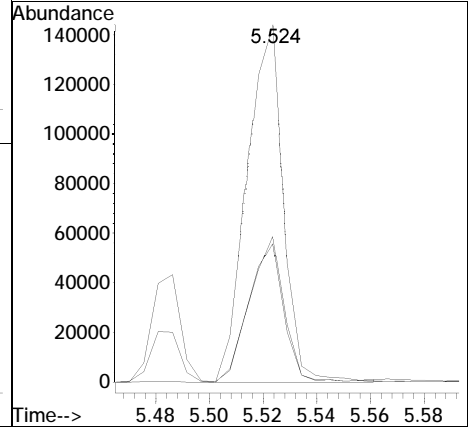
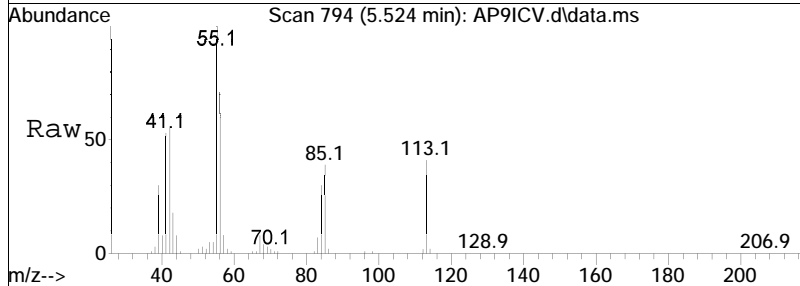


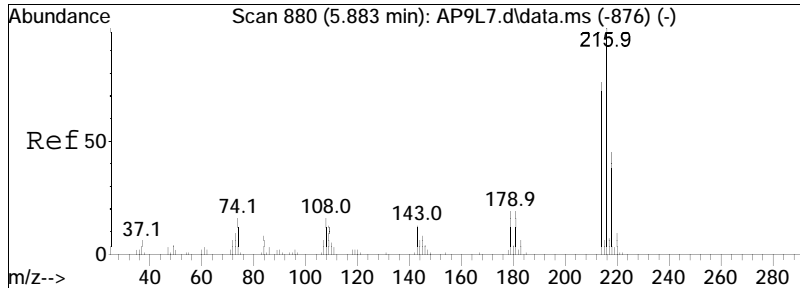




#60  
 Caprolactam  
 Concen: 47.28 ug/ml  
 RT: 5.524 min Scan# 794  
 Delta R.T. -0.000 min  
 Lab File: AP9ICV.d  
 Acq: 2 Apr 2020 6:34 am

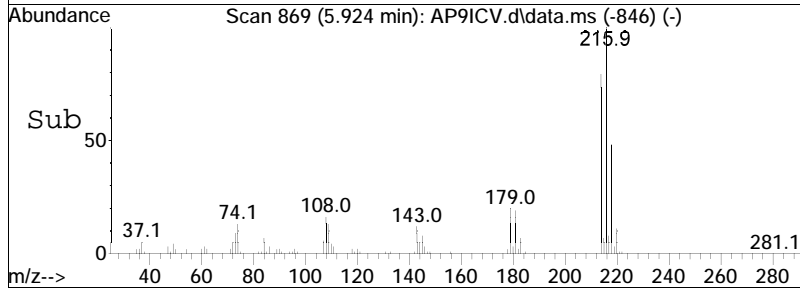
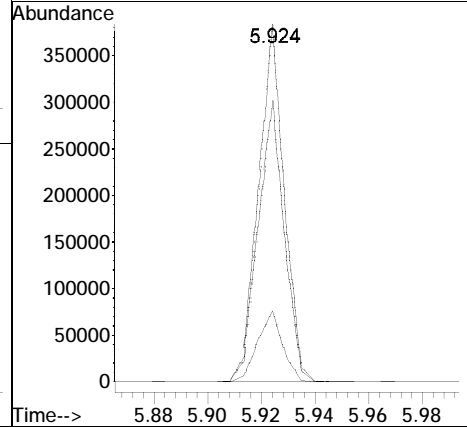
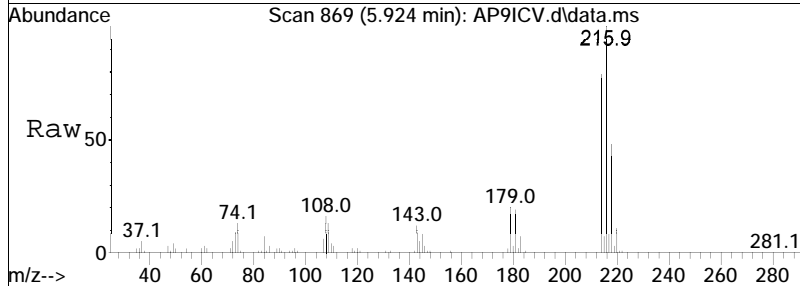
Tgt Ion:	Resp:		
Ion	Ratio	Lower	Upper
55	100		
85	38.3	36.6	54.8
113	38.3	50.2	75.2#

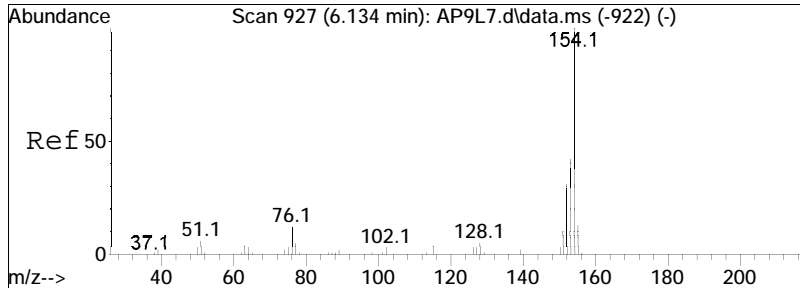




#61  
 1,2,4,5-Tetrachlorobenzene  
 Concen: 45.46 ug/ml  
 RT: 5.924 min Scan# 869  
 Delta R.T. 0.000 min  
 Lab File: AP9ICV.d  
 Acq: 2 Apr 2020 6:34 am

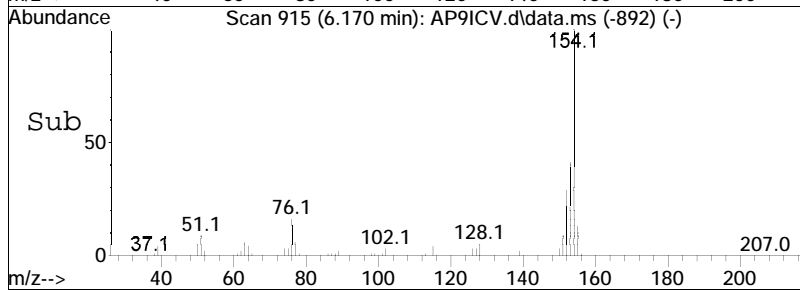
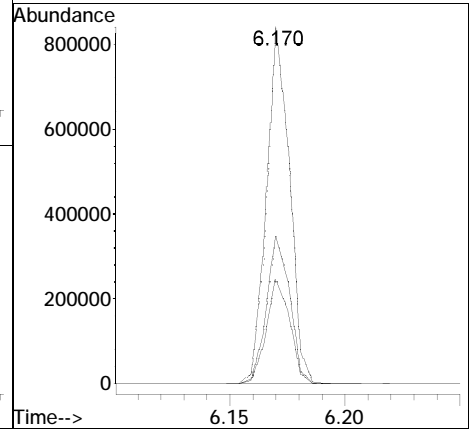
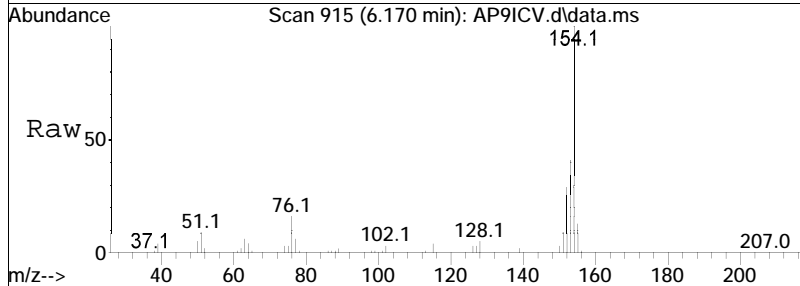
Tgt Ion	Ratio	Lower	Upper
216	100		
214	80.3	63.0	94.4
179	19.7	15.3	22.9

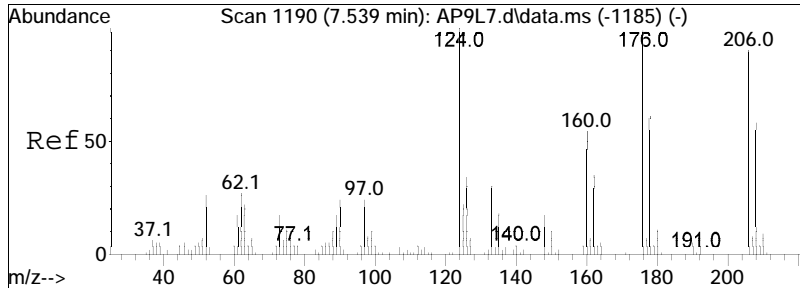




#62  
 Biphenyl  
 Concen: 45.80 ug/ml  
 RT: 6.170 min Scan# 915  
 Delta R.T. -0.000 min  
 Lab File: AP9ICV.d  
 Acq: 2 Apr 2020 6:34 am

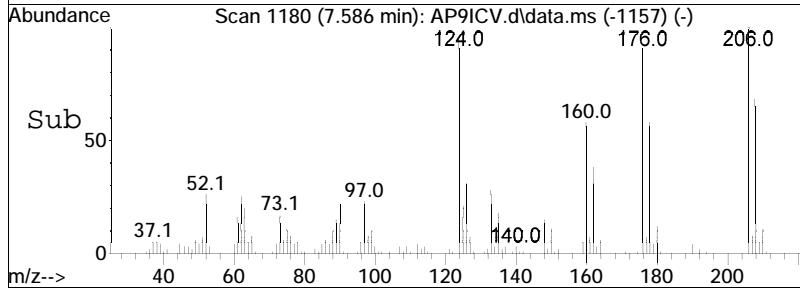
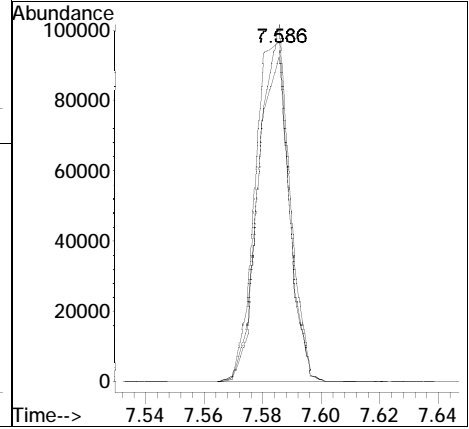
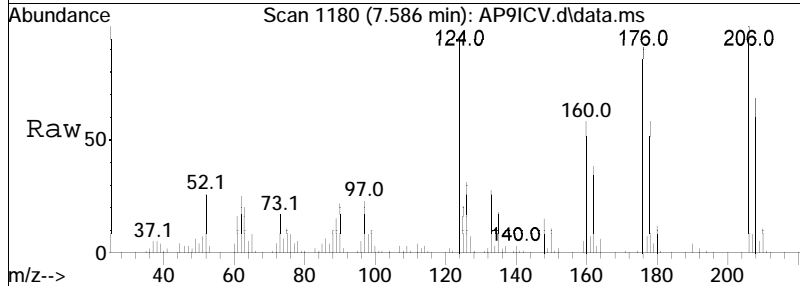
Tgt Ion	Ratio	Lower	Upper
154	100		
153	42.2	33.8	50.8
152	30.5	23.0	34.6

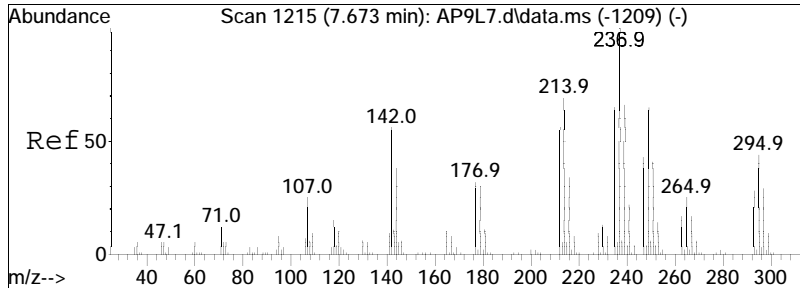




#84  
 Dichloran  
 Concen: 48.20 ug/ml  
 RT: 7.586 min Scan# 1180  
 Delta R.T. -0.000 min  
 Lab File: AP9ICV.d  
 Acq: 2 Apr 2020 6:34 am

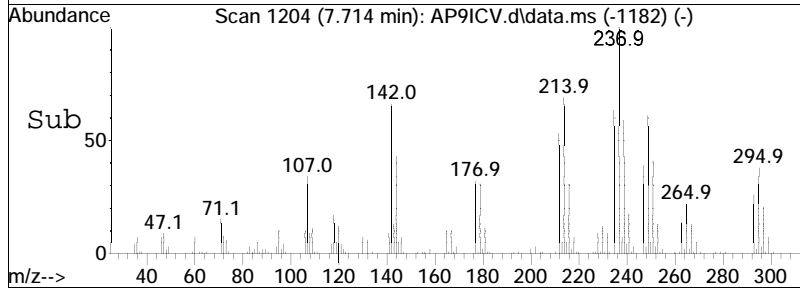
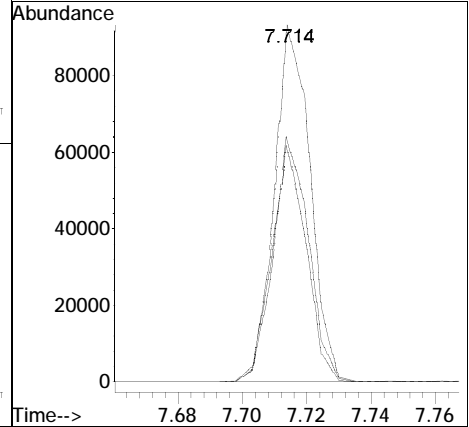
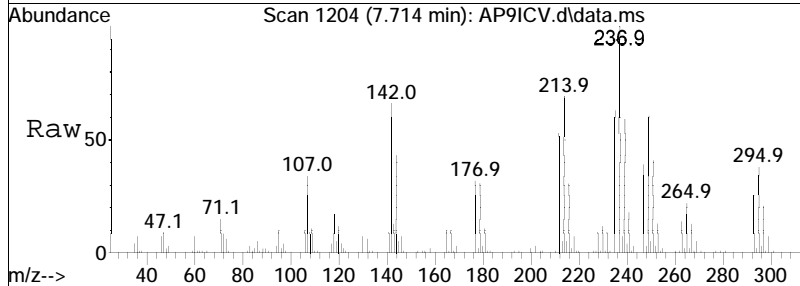
Tgt Ion	Resp	Lower	Upper
206	73300		
176	94.4	82.7	124.1
124	105.2	86.2	129.4

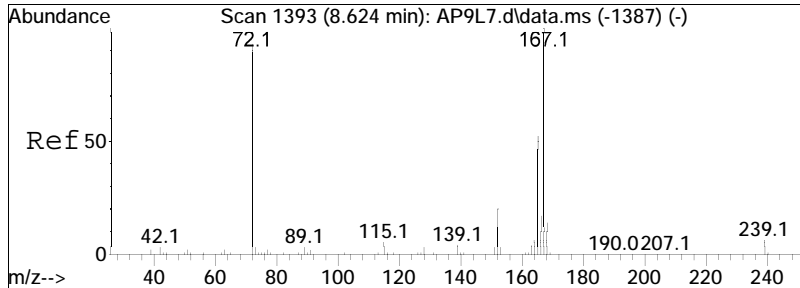




#85  
 Pentachloronitrobenzene  
 Concen: 47.76 ug/ml  
 RT: 7.714 min Scan# 1204  
 Delta R.T. -0.005 min  
 Lab File: AP9ICV.d  
 Acq: 2 Apr 2020 6:34 am

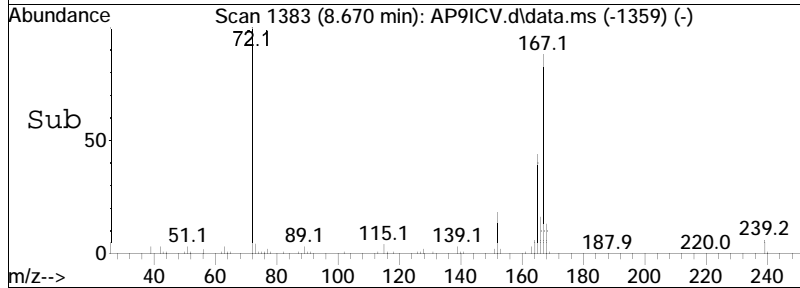
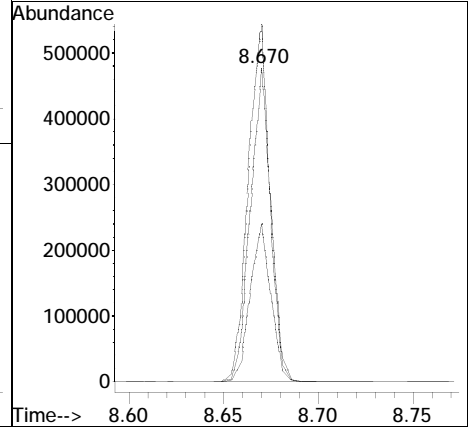
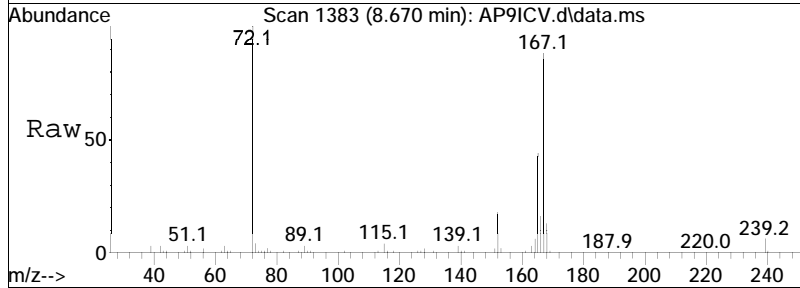
Tgt Ion	Resp	Lower	Upper
237	71712		
237	100		
142	63.9	57.4	86.2
214	67.9	55.0	82.6





#99  
 Diphenamid  
 Concen: 46.02 ug/ml  
 RT: 8.670 min Scan# 1383  
 Delta R.T. 0.000 min  
 Lab File: AP9ICV.d  
 Acq: 2 Apr 2020 6:34 am

Tgt Ion	Resp	Lower	Upper
167	100		
72	116.9	95.0	142.6
165	50.9	40.4	60.6



Manual Integration Report

Data Path : I:\8270\GCMS5\200401nical\QMethod : FS200401gcms5.m  
Data File : AP9ICV.d Operator : gcms5:ek  
Date Inj'd : 4/2/2020 6:34 am Instrument : GCMS5  
Sample : CQICV2,32,,AP9ICV Lot# 851Quant Date : 4/2/2020 11:18 am

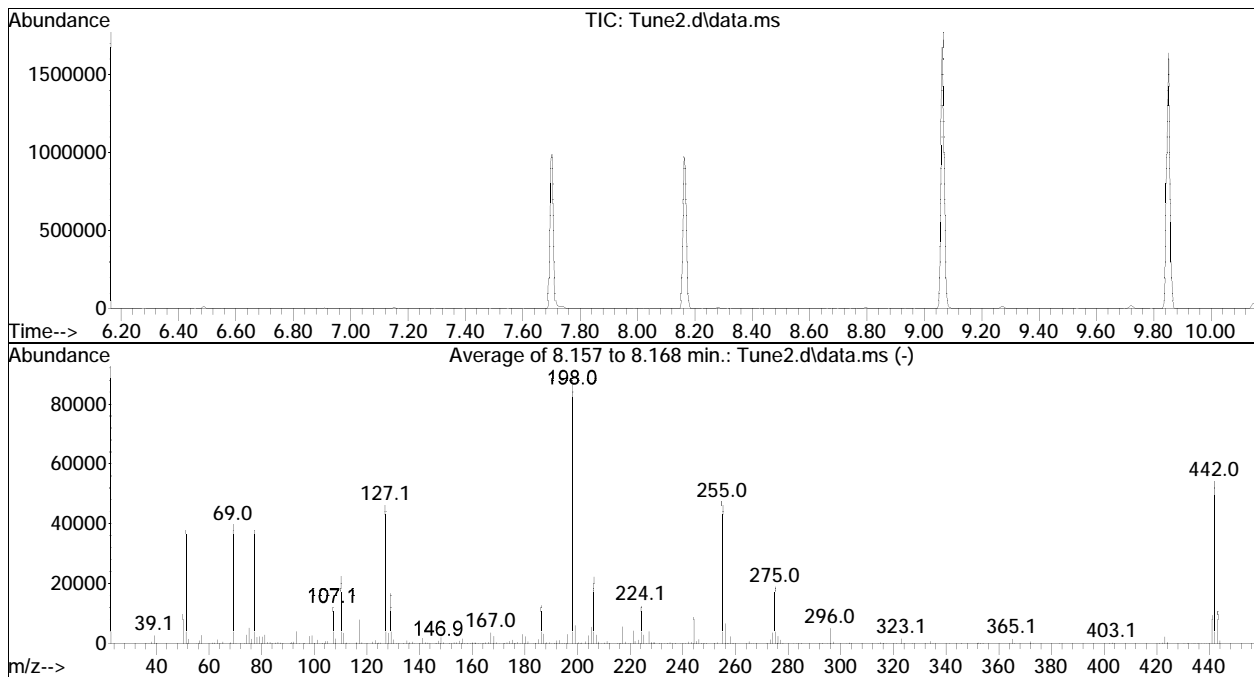
There are no manual integrations or false positives in this file.

DFTPP

Data Path : I:\8270\GCMS5\200401nical\  
 Data File : Tune2.d  
 Acq On : 2 Apr 2020 6:57 am  
 Operator : gcms5:  
 Sample : Tune 2  
 Misc : wg1357700,,  
 ALS Vial : 100 Sample Multiplier: 1

Integration File: rteint.p

Method : i:\8270\gcms5\200401nical\FS200401gcms5.m  
 Title : Semivolatiles by GC/MS by modified 8270  
 Last Update : Thu Apr 02 12:31:18 2020



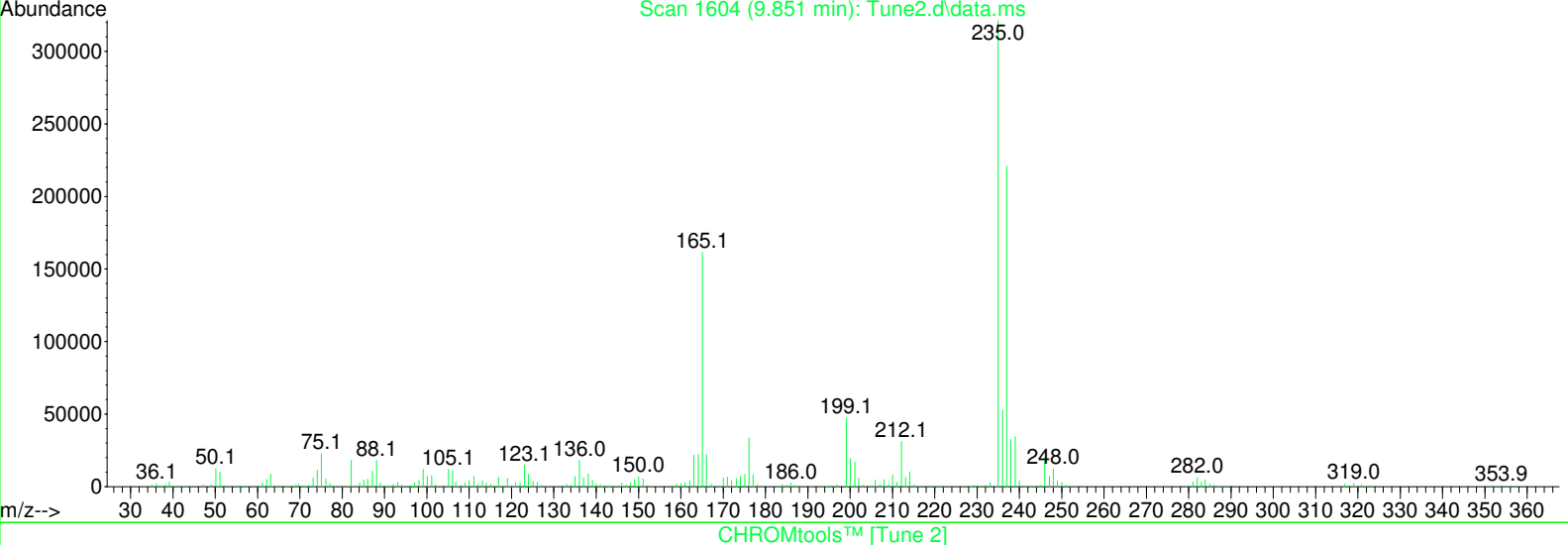
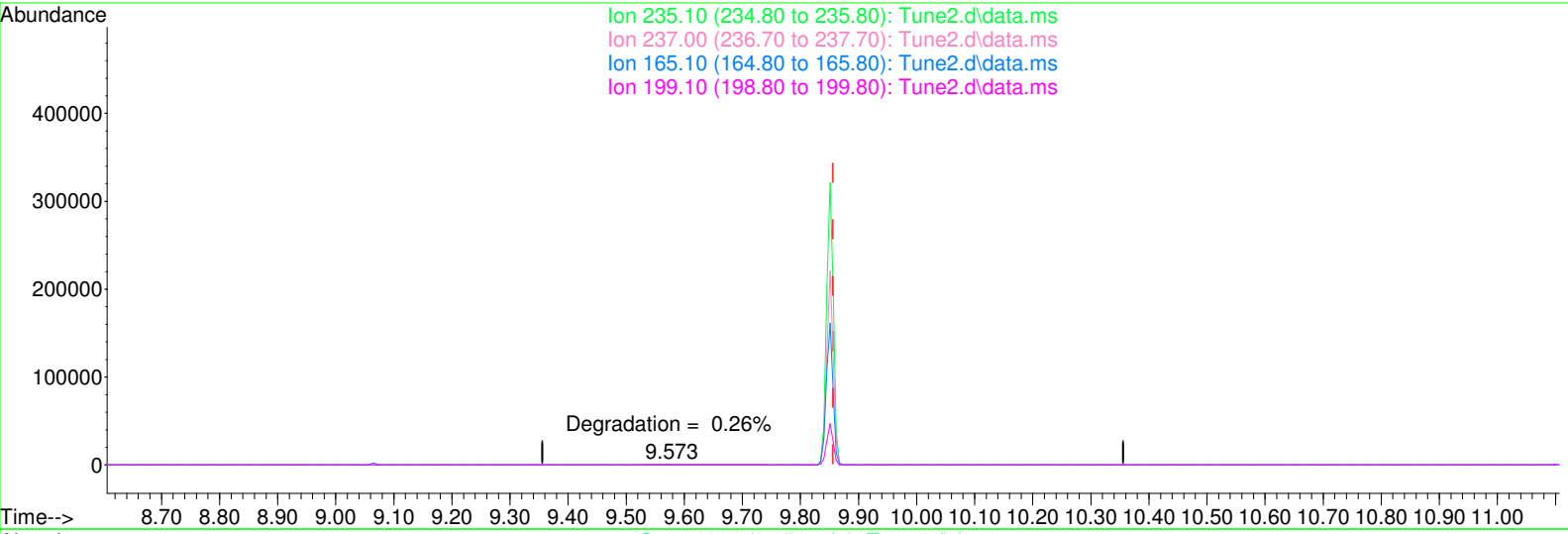
Spectrum Information: Average of 8.157 to 8.168 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	42.8	37749	PASS
68	69	0.00	2	1.4	571	PASS
69	69	100	100	100.0	39728	PASS
70	69	0.00	2	0.7	284	PASS
127	198	10	80	52.3	46115	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	88168	PASS
199	198	5	9	6.8	6038	PASS
275	198	10	60	21.6	19007	PASS
365	198	1	100	1.9	1646	PASS
441	442	0.01	24	17.4	9423	PASS
442	198	50	100	61.5	54227	PASS
443	442	15	24	19.8	10757	PASS



Data Path : I:\8270\GCMS5\200401nical\  
 Data File : Tune2.d  
 Acq On : 2 Apr 2020 6:57 am  
 Operator : gcms5:  
 Sample : Tune 2  
 Misc : wg1357700,,  
 ALS Vial : 100 Sample Multiplier: 1

Quant Time: Apr 02 13:42:50 2020  
 Quant Method : I:\8270\GCMS5\200401nical\dftppgcms5.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Wed Apr 01 22:48:02 2020  
 Response via : Initial Calibration



(6) ddt (T)

9.851min (-0.005) 42.81

response 260955

Ion	Exp%	Act%
235.10	100.00	100.00
237.00	64.70	66.30
165.10	42.10	49.38
199.10	13.20	14.06

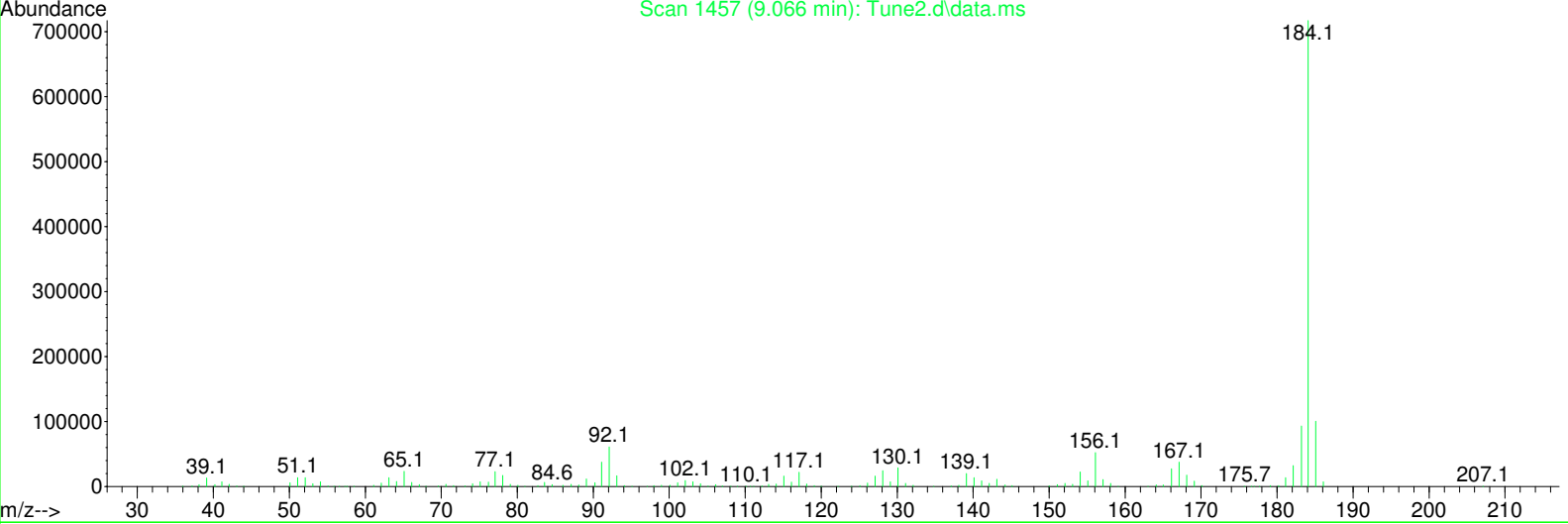
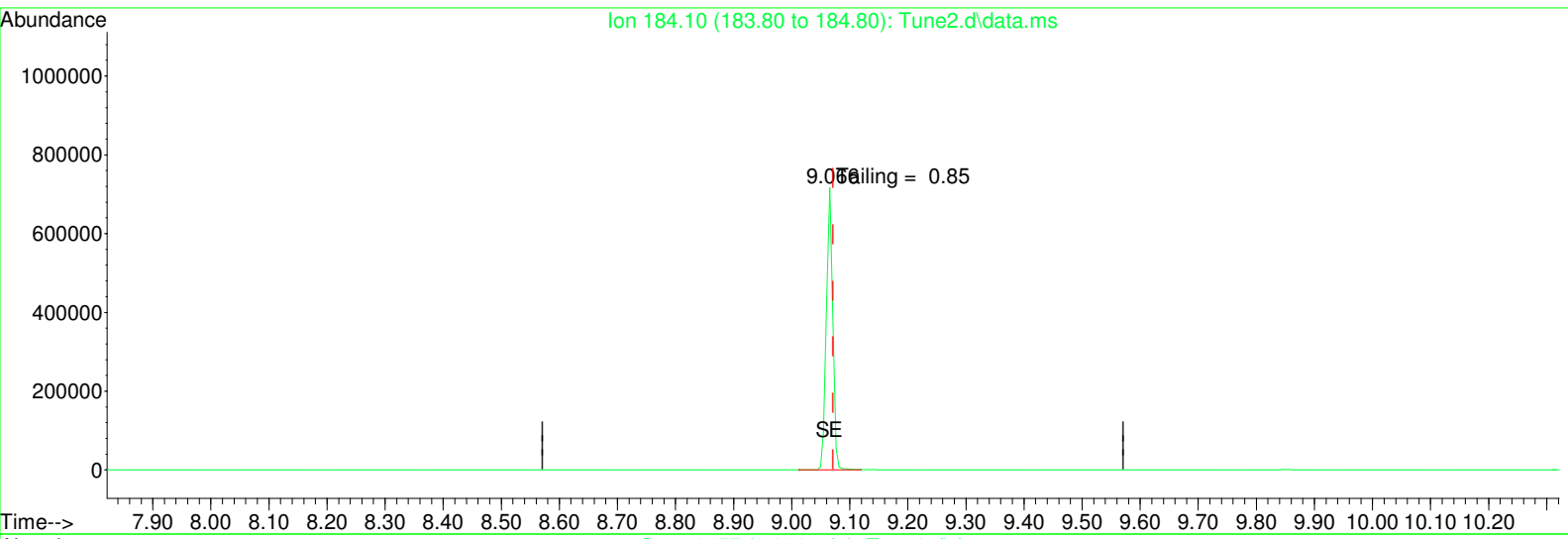
Duplicate Retention Times

(5) DDD 235.00

CHROMtools™ [Tune 2]

Data Path : I:\8270\GCMS5\200401nical\  
Data File : Tune2.d  
Acq On : 2 Apr 2020 6:57 am  
Operator : gcms5:  
Sample : Tune 2  
Misc : wg1357700,,  
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Apr 02 13:42:50 2020  
Quant Method : I:\8270\GCMS5\200401nical\dftppgcms5.m  
Quant Title : Semivolatiles by GC/MS by modified 8270  
QLast Update : Wed Apr 01 22:48:02 2020  
Response via : Initial Calibration



CHROMtools™ [Tune 2]

(3) benzidine (T)

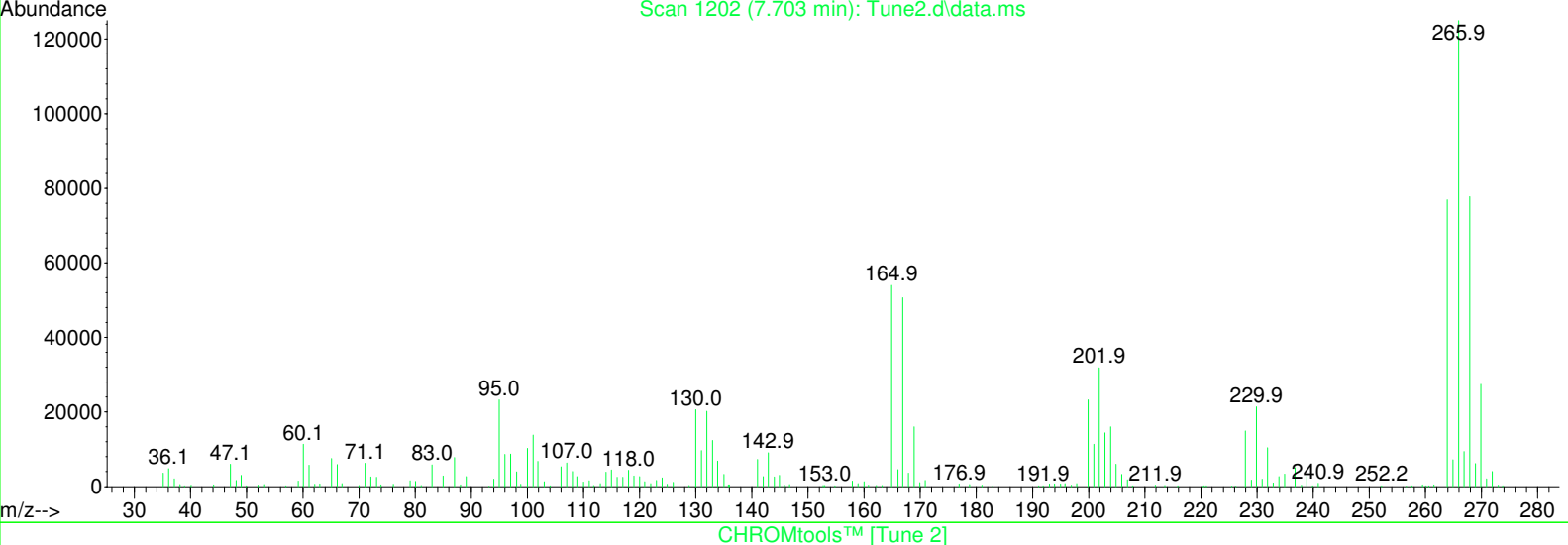
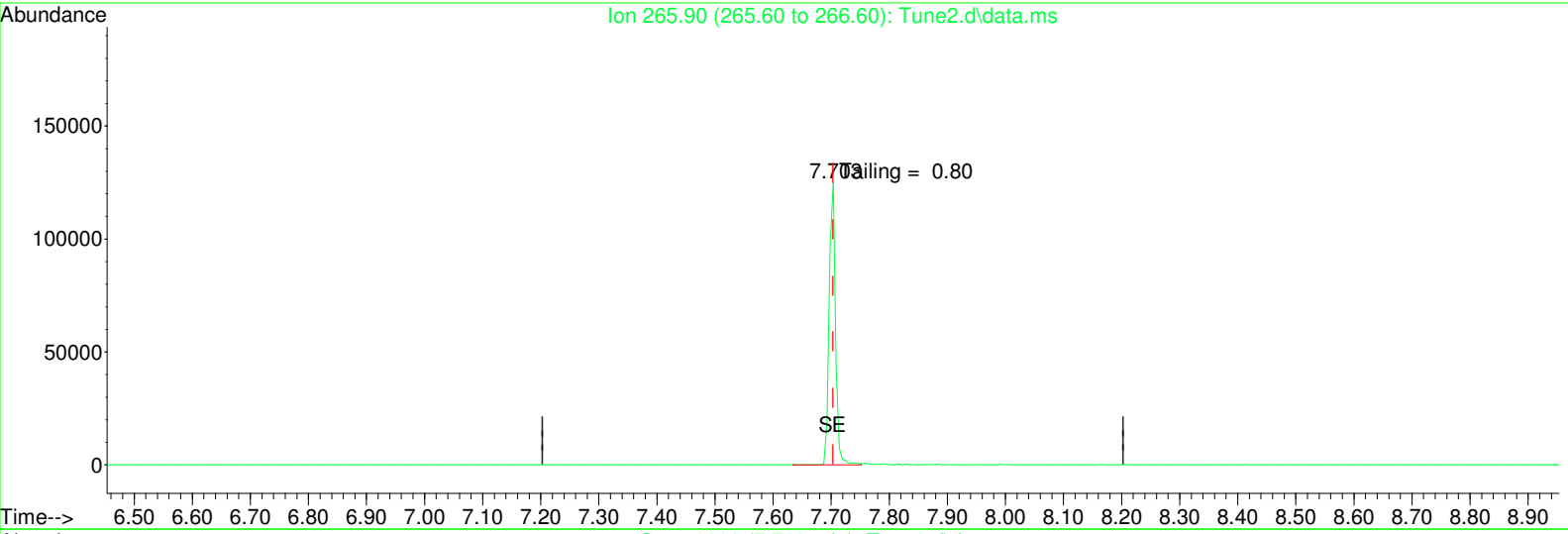
9.066min (-0.005) 53.72

response 546834

Ion	Exp%	Act%
184.10	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : I:\8270\GCMS5\200401nical\  
 Data File : Tune2.d  
 Acq On : 2 Apr 2020 6:57 am  
 Operator : gcms5:  
 Sample : Tune 2  
 Misc : wg1357700,,  
 ALS Vial : 100 Sample Multiplier: 1

Quant Time: Apr 02 13:42:50 2020  
 Quant Method : I:\8270\GCMS5\200401nical\dftppgcms5.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Wed Apr 01 22:48:02 2020  
 Response via : Initial Calibration



(1) pentachlorophenol (T)

7.703min (+ 0.000) 45.82

response 96232

Ion	Exp%	Act%
265.90	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

CHROMtools™ [Tune 2]

Quantitation Report (QT Reviewed)

Data Path : I:\8270\GCMS5\200401nical\  
 Data File : ADPL10.d  
 Acq On : 2 Apr 2020 7:20 am  
 Operator : gcms5:ek  
 Sample : IL21,32,,ADPL200 Lot# 8572  
 Misc : wgl357700,,  
 ALS Vial : 23 Sample Multiplier: 1

Quant Time: Apr 02 10:54:58 2020  
 Quant Method : i:\8270\gcms5\200401nical\FS200401gcms5.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Thu Apr 02 10:42:21 2020  
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\GCMS5\200401nical\ADPL7.d  
 Sub List : ADPical\_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----						
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.087	152	141506	40.000	ug/ml	0.00
Standard Area 1 = 161699			Recovery	=	87.51%	
86) IS3_Acenaphthene-d10	6.630	164	321905	40.000	ug/ml	0.00
Standard Area 1 = 348197			Recovery	=	92.45%	
100) IS3_Phenanthrene-d10	7.853	188	631844M3	40.000	ug/ml	0.00
Standard Area 1 = 671685			Recovery	=	94.07%	

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
33) 1,4-Dioxane	1.442	88	333252	197.627	ug/ml#	73
34) n-Decane	3.991	57	939931	190.394	ug/ml	93
87) Atrazine	7.655	200	580513	213.616	ug/ml	91
101) n-Octadecane	7.826	57	1363631M2	194.629	ug/ml	
102) Parathion	8.563	109	471964	227.113	ug/ml#	87
103) 3,3'-Dimethylbenzidine	9.755	212	2571003	200.801	ug/ml	98

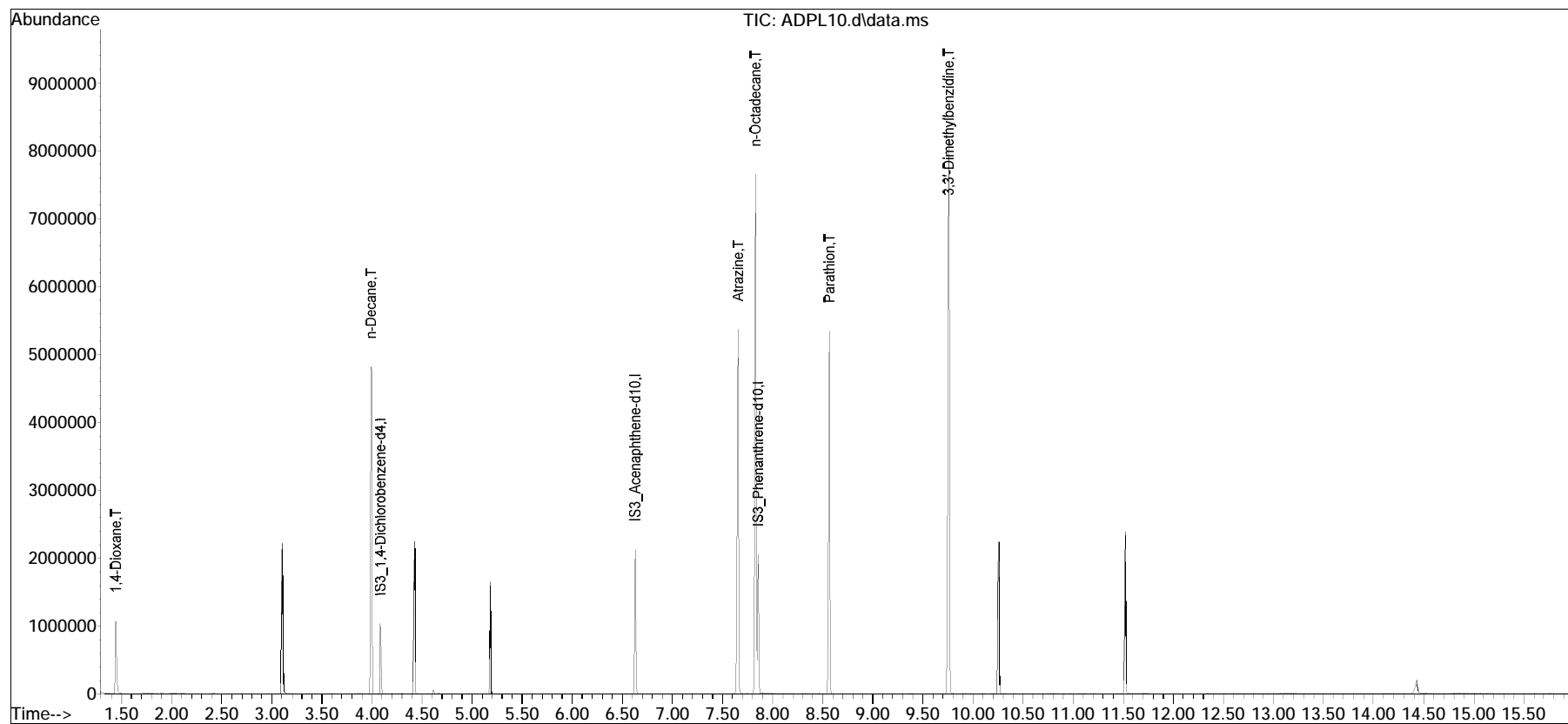
-----  
 (#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\GCMS5\200401nical\  
Data File : ADPL10.d  
Acq On : 2 Apr 2020 7:20 am  
Operator : gcms5:ek  
Sample : IL21,32,,ADPL200 Lot# 8572  
Misc : wg1357700,,  
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Apr 02 10:54:58 2020  
Quant Method : i:\8270\gcms5\200401nical\FS200401gcms5.m  
Quant Title : Semivolatiles by GC/MS by modified 8270  
QLast Update : Thu Apr 02 10:42:21 2020  
Response via : Initial Calibration

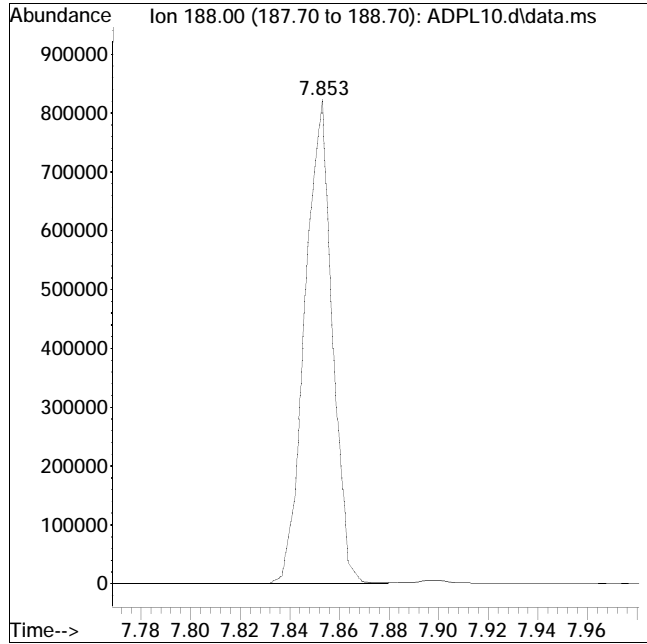
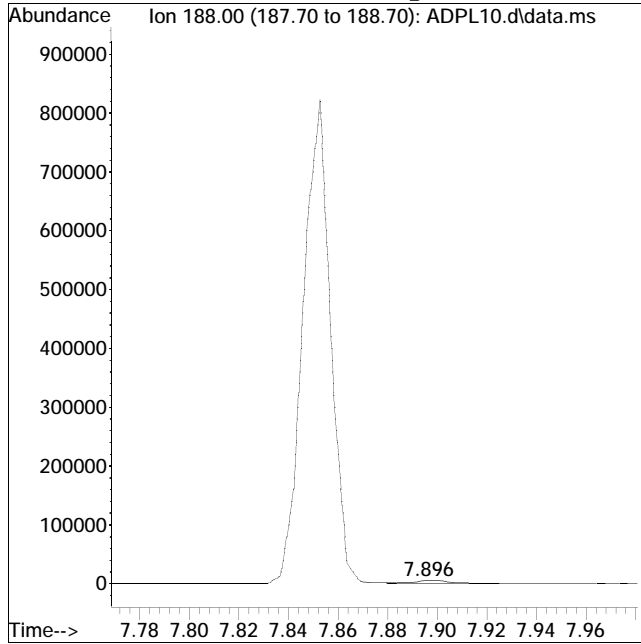
Sub List : ADPical\_REV2 - ADP sublistcal\ADPL7.d•



Manual Integration Report

Data Path : I:\8270\GCMS5\200401nical\QMethod : FS200401gcms5.m  
Data File : ADPL10.d Operator : gcms5:ek  
Date Inj'd : 4/2/2020 7:20 am Instrument : GCMS5  
Sample : IL21,32,,ADPL200 Lot# 8572Quant Date : 4/2/2020 10:44 am

Compound #100: IS3\_Phenanthrene-d10



Original Peak Response = 5460

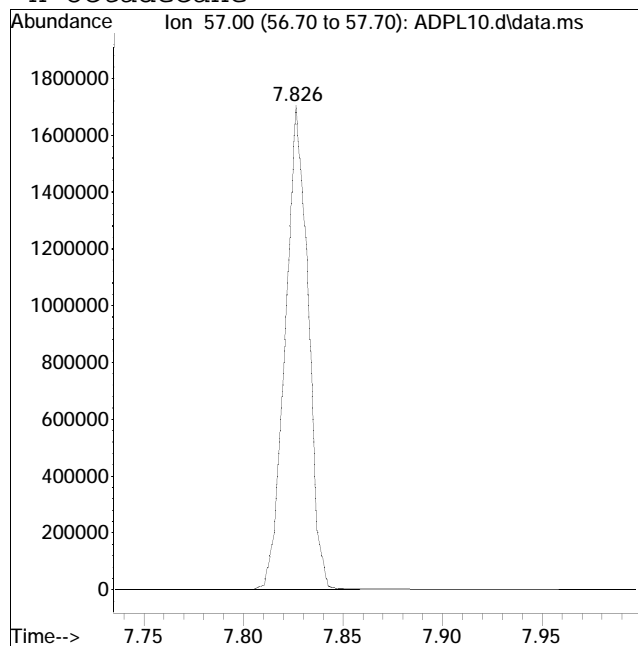
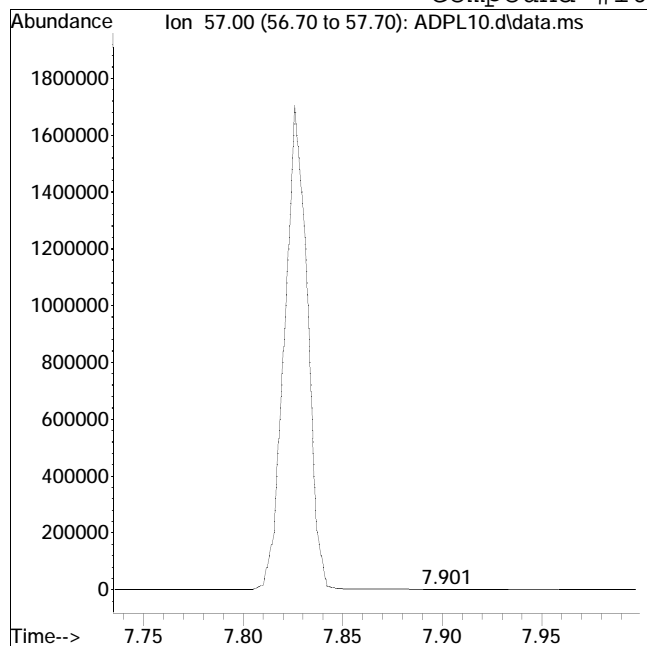
Manual Peak Response = 631844 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

# Manual Integration Report

Data Path : I:\8270\GCMS5\200401nical\QMethod : FS200401gcms5.m  
Data File : ADPL10.d Operator : gcms5:ek  
Date Inj'd : 4/2/2020 7:20 am Instrument : GCMS5  
Sample : IL21,32,,ADPL200 Lot# 8572Quant Date : 4/2/2020 10:44 am

## Compound #101: n-Octadecane



Original Peak Response = 2355

Manual Peak Response = 1363631 M2

M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\GCMS5\200401nical\  
 Data File : ADPL9.d  
 Acq On : 2 Apr 2020 7:42 am  
 Operator : gcms5:ek  
 Sample : IL22,32,,ADPL150 Lot# 8629  
 Misc : wgl357700,,  
 ALS Vial : 24 Sample Multiplier: 1

Quant Time: Apr 02 10:53:22 2020  
 Quant Method : i:\8270\gcms5\200401nical\FS200401gcms5.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Thu Apr 02 10:42:21 2020  
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\GCMS5\200401nical\ADPL7.d  
 Sub List : ADPical\_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----						
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.087	152	137274	40.000	ug/ml	0.00
Standard Area 1 = 161699			Recovery	=	84.89%	
86) IS3_Acenaphthene-d10	6.630	164	305944	40.000	ug/ml	0.00
Standard Area 1 = 348197			Recovery	=	87.87%	
100) IS3_Phenanthrene-d10	7.853	188	576744	40.000	ug/ml	# 0.00
Standard Area 1 = 671685			Recovery	=	85.87%	

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
33) 1,4-Dioxane	1.442	88	236423	144.527	ug/ml#	73
34) n-Decane	3.991	57	607983	126.950	ug/ml	94
87) Atrazine	7.655	200	374570	145.024	ug/ml	92
101) n-Octadecane	7.826	57	881332	137.809	ug/ml	95
102) Parathion	8.558	109	314721	165.915	ug/ml#	87
103) 3,3'-Dimethylbenzidine	9.755	212	1764667	150.992	ug/ml	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

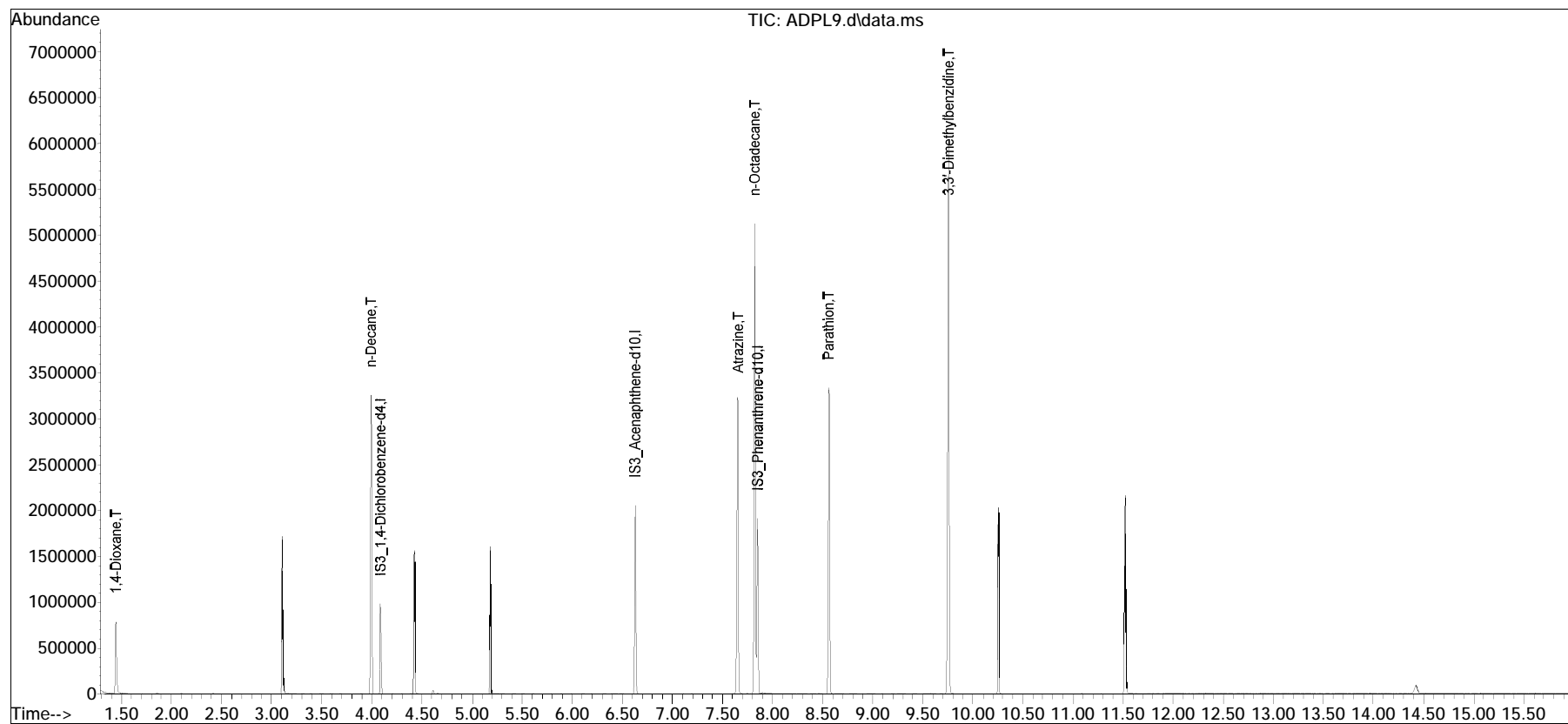


Quantitation Report (QT Reviewed)

Data Path : I:\8270\GCMS5\200401nical\  
Data File : ADPL9.d  
Acq On : 2 Apr 2020 7:42 am  
Operator : gcms5:ek  
Sample : IL22,32,,ADPL150 Lot# 8629  
Misc : wg1357700,,  
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Apr 02 10:53:22 2020  
Quant Method : i:\8270\gcms5\200401nical\FS200401gcms5.m  
Quant Title : Semivolatiles by GC/MS by modified 8270  
QLast Update : Thu Apr 02 10:42:21 2020  
Response via : Initial Calibration

Sub List : ADPical\_REV2 - ADP sublistcal\ADPL7.d•



Manual Integration Report

Data Path : I:\8270\GCMS5\200401nical\QMethod : FS200401gcms5.m  
Data File : ADPL9.d Operator : gcms5:ek  
Date Inj'd : 4/2/2020 7:42 am Instrument : GCMS5  
Sample : IL22,32,,ADPL150 Lot# 8629Quant Date : 4/2/2020 10:45 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\GCMS5\200401nical\  
 Data File : ADPL8.d  
 Acq On : 2 Apr 2020 8:05 am  
 Operator : gcms5:ek  
 Sample : IL23,32,,ADPL100 Lot# 8628  
 Misc : wgl357700,,  
 ALS Vial : 25 Sample Multiplier: 1

Quant Time: Apr 02 10:52:54 2020  
 Quant Method : i:\8270\gcms5\200401nical\FS200401gcms5.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Thu Apr 02 10:42:21 2020  
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\GCMS5\200401nical\ADPL7.d  
 Sub List : ADPical\_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----						
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.087	152	129184	40.000	ug/ml	0.00
Standard Area 1 = 161699			Recovery	=	79.89%	
86) IS3_Acenaphthene-d10	6.630	164	308978	40.000	ug/ml	0.00
Standard Area 1 = 348197			Recovery	=	88.74%	
100) IS3_Phenanthrene-d10	7.853	188	618339	40.000	ug/ml	# 0.00
Standard Area 1 = 671685			Recovery	=	92.06%	

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
33) 1,4-Dioxane	1.442	88	158974	103.268	ug/ml#	71
34) n-Decane	3.990	57	407861	90.497	ug/ml	93
87) Atrazine	7.650	200	269678	103.387	ug/ml	91
101) n-Octadecane	7.826	57	714817	104.253	ug/ml	93
102) Parathion	8.558	109	213431	104.948	ug/ml#	87
103) 3,3'-Dimethylbenzidine	9.749	212	1145966	91.457	ug/ml	98

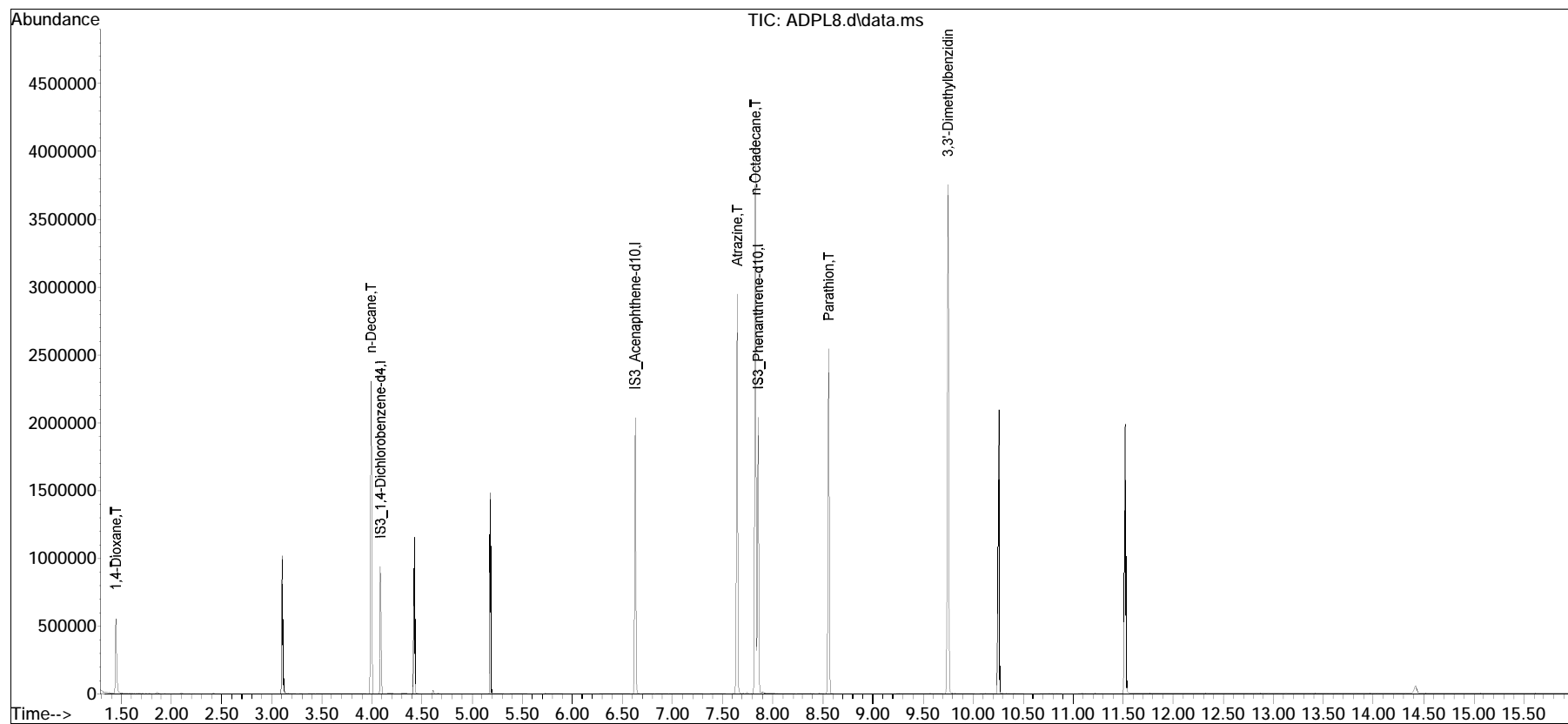
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\GCMS5\200401nical\  
Data File : ADPL8.d  
Acq On : 2 Apr 2020 8:05 am  
Operator : gcms5:ek  
Sample : IL23,32,,ADPL100 Lot# 8628  
Misc : wg1357700,,  
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Apr 02 10:52:54 2020  
Quant Method : i:\8270\gcms5\200401nical\FS200401gcms5.m  
Quant Title : Semivolatiles by GC/MS by modified 8270  
QLast Update : Thu Apr 02 10:42:21 2020  
Response via : Initial Calibration

Sub List : ADPical\_REV2 - ADP sublistcal\ADPL7.d•



Manual Integration Report

Data Path : I:\8270\GCMS5\200401nical\QMethod : FS200401gcms5.m  
Data File : ADPL8.d Operator : gcms5:ek  
Date Inj'd : 4/2/2020 8:05 am Instrument : GCMS5  
Sample : IL23,32,,ADPL100 Lot# 8628Quant Date : 4/2/2020 10:45 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\GCMS5\200401nical\  
 Data File : ADPL7.d  
 Acq On : 2 Apr 2020 8:28 am  
 Operator : gcms5:ek  
 Sample : IL24,32,,ADPL50 Lot# 8627  
 Misc : wgl357700,,  
 ALS Vial : 26 Sample Multiplier: 1

Quant Time: Apr 02 10:52:24 2020  
 Quant Method : i:\8270\gcms5\200401nical\FS200401gcms5.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Thu Apr 02 10:42:21 2020  
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\GCMS5\200401nical\ADPL7.d  
 Sub List : ADPical\_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----						
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.087	152	161699	40.000	ug/ml	0.00
Standard Area 1 = 161699			Recovery	=	100.00%	
86) IS3_Acenaphthene-d10	6.630	164	348197	40.000	ug/ml	0.00
Standard Area 1 = 348197			Recovery	=	100.00%	
100) IS3_Phenanthrene-d10	7.853	188	671685	40.000	ug/ml	0.00
Standard Area 1 = 671685			Recovery	=	100.00%	

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
33) 1,4-Dioxane	1.442	88	96345	50.000	ug/ml#	71
34) n-Decane	3.991	57	282063	50.000	ug/ml	92
87) Atrazine	7.650	200	146976	50.000	ug/ml	91
101) n-Octadecane	7.826	57	372404	50.000	ug/ml	94
102) Parathion	8.558	109	110457	50.000	ug/ml#	87
103) 3,3'-Dimethylbenzidine	9.749	212	680554	50.000	ug/ml	98

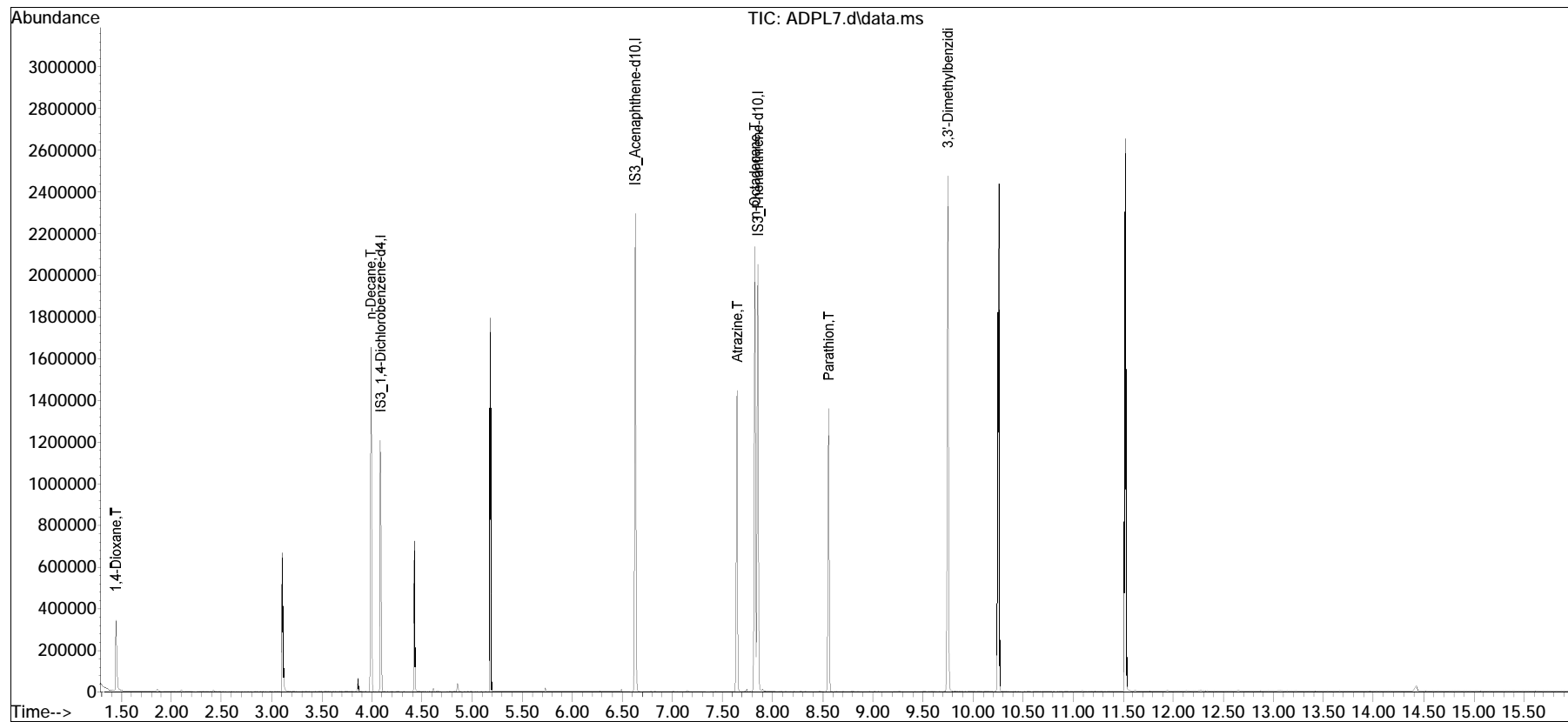
-----  
 (#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\GCMS5\200401nical\  
Data File : ADPL7.d  
Acq On : 2 Apr 2020 8:28 am  
Operator : gcms5:ek  
Sample : IL24,32,,ADPL50 Lot# 8627  
Misc : wg1357700,,  
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Apr 02 10:52:24 2020  
Quant Method : i:\8270\gcms5\200401nical\FS200401gcms5.m  
Quant Title : Semivolatiles by GC/MS by modified 8270  
QLast Update : Thu Apr 02 10:42:21 2020  
Response via : Initial Calibration

Sub List : ADPical\_REV2 - ADP sublistcal\ADPL7.d•



Manual Integration Report

Data Path : I:\8270\GCMS5\200401nical\QMethod : FS200401gcms5.m  
Data File : ADPL7.d Operator : gcms5:ek  
Date Inj'd : 4/2/2020 8:28 am Instrument : GCMS5  
Sample : IL24,32,,ADPL50 Lot# 8627 Quant Date : 4/2/2020 10:45 am

There are no manual integrations or false positives in this file.



Quantitation Report (QT Reviewed)

Data Path : I:\8270\GCMS5\200401nical\  
 Data File : ADPL6.d  
 Acq On : 2 Apr 2020 8:50 am  
 Operator : gcms5:ek  
 Sample : IL25,32,,ADPL20 Lot# 8626  
 Misc : wgl357700,,  
 ALS Vial : 27 Sample Multiplier: 1

Quant Time: Apr 02 10:51:52 2020  
 Quant Method : i:\8270\gcms5\200401nical\FS200401gcms5.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Thu Apr 02 10:42:21 2020  
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\GCMS5\200401nical\ADPL7.d  
 Sub List : ADPical\_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----						
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.087	152	127656	40.000	ug/ml	0.00
Standard Area 1 = 161699			Recovery	=	78.95%	
86) IS3_Acenaphthene-d10	6.630	164	281564	40.000	ug/ml	0.00
Standard Area 1 = 348197			Recovery	=	80.86%	
100) IS3_Phenanthrene-d10	7.853	188	586815	40.000	ug/ml	# 0.00
Standard Area 1 = 671685			Recovery	=	87.36%	

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
33) 1,4-Dioxane	1.442	88	32407	21.303	ug/ml#	80
34) n-Decane	3.990	57	93934	21.092	ug/ml	93
87) Atrazine	7.645	200	46635	19.619	ug/ml#	89
101) n-Octadecane	7.826	57	136946	21.046	ug/ml	92
102) Parathion	8.558	109	30592	15.851	ug/ml#	83
103) 3,3'-Dimethylbenzidine	9.749	212	194557	16.361	ug/ml	98

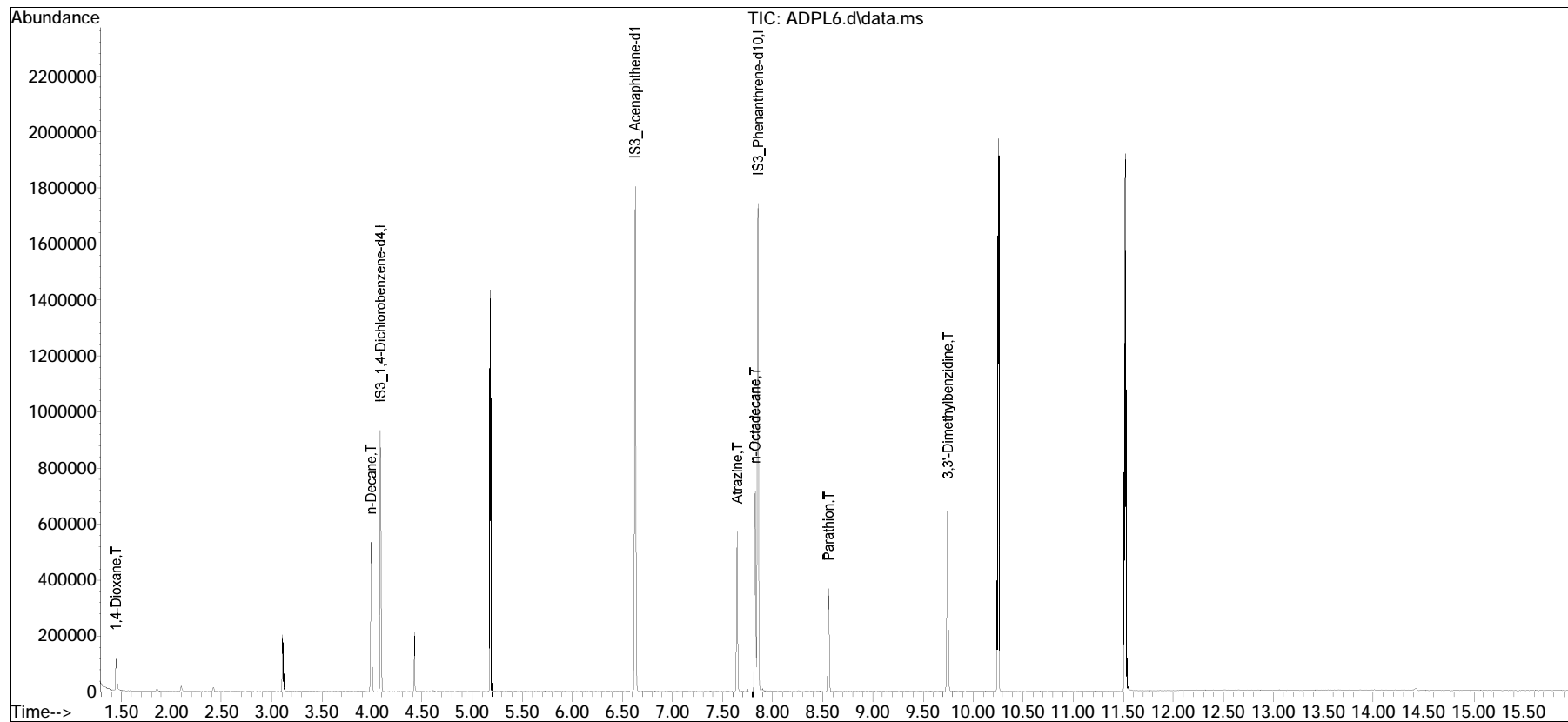
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\GCMS5\200401nical\  
Data File : ADPL6.d  
Acq On : 2 Apr 2020 8:50 am  
Operator : gcms5:ek  
Sample : IL25,32,,ADPL20 Lot# 8626  
Misc : wg1357700,,  
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Apr 02 10:51:52 2020  
Quant Method : i:\8270\gcms5\200401nical\FS200401gcms5.m  
Quant Title : Semivolatiles by GC/MS by modified 8270  
QLast Update : Thu Apr 02 10:42:21 2020  
Response via : Initial Calibration

Sub List : ADPical\_REV2 - ADP sublistcal\ADPL7.d•



Manual Integration Report

Data Path : I:\8270\GCMS5\200401nical\QMethod : FS200401gcms5.m  
Data File : ADPL6.d Operator : gcms5:ek  
Date Inj'd : 4/2/2020 8:50 am Instrument : GCMS5  
Sample : IL25,32,,ADPL20 Lot# 8626 Quant Date : 4/2/2020 10:44 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\GCMS5\200401nical\  
 Data File : ADPL5.d  
 Acq On : 2 Apr 2020 9:13 am  
 Operator : gcms5:ek  
 Sample : IL26,32,,ADPL10 Lot# 8625  
 Misc : wgl357700,,  
 ALS Vial : 28 Sample Multiplier: 1

Quant Time: Apr 02 10:51:06 2020  
 Quant Method : i:\8270\gcms5\200401nical\FS200401gcms5.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Thu Apr 02 10:42:21 2020  
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\GCMS5\200401nical\ADPL7.d  
 Sub List : ADPical\_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----						
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.087	152	145136	40.000	ug/ml	0.00
Standard Area 1 = 161699			Recovery	=	89.76%	
86) IS3_Acenaphthene-d10	6.630	164	314636	40.000	ug/ml	0.00
Standard Area 1 = 348197			Recovery	=	90.36%	
100) IS3_Phenanthrene-d10	7.853	188	628000	40.000	ug/ml	# 0.00
Standard Area 1 = 671685			Recovery	=	93.50%	

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
33) 1,4-Dioxane	1.442	88	16695	9.653	ug/ml#	72
34) n-Decane	3.990	57	49254	9.727	ug/ml	92
87) Atrazine	7.645	200	23854	8.981	ug/ml#	88
101) n-Octadecane	7.826	57	69382	9.963	ug/ml	92
102) Parathion	8.558	109	13352	6.464	ug/ml#	76
103) 3,3'-Dimethylbenzidine	9.744	212	91685	7.205	ug/ml	98

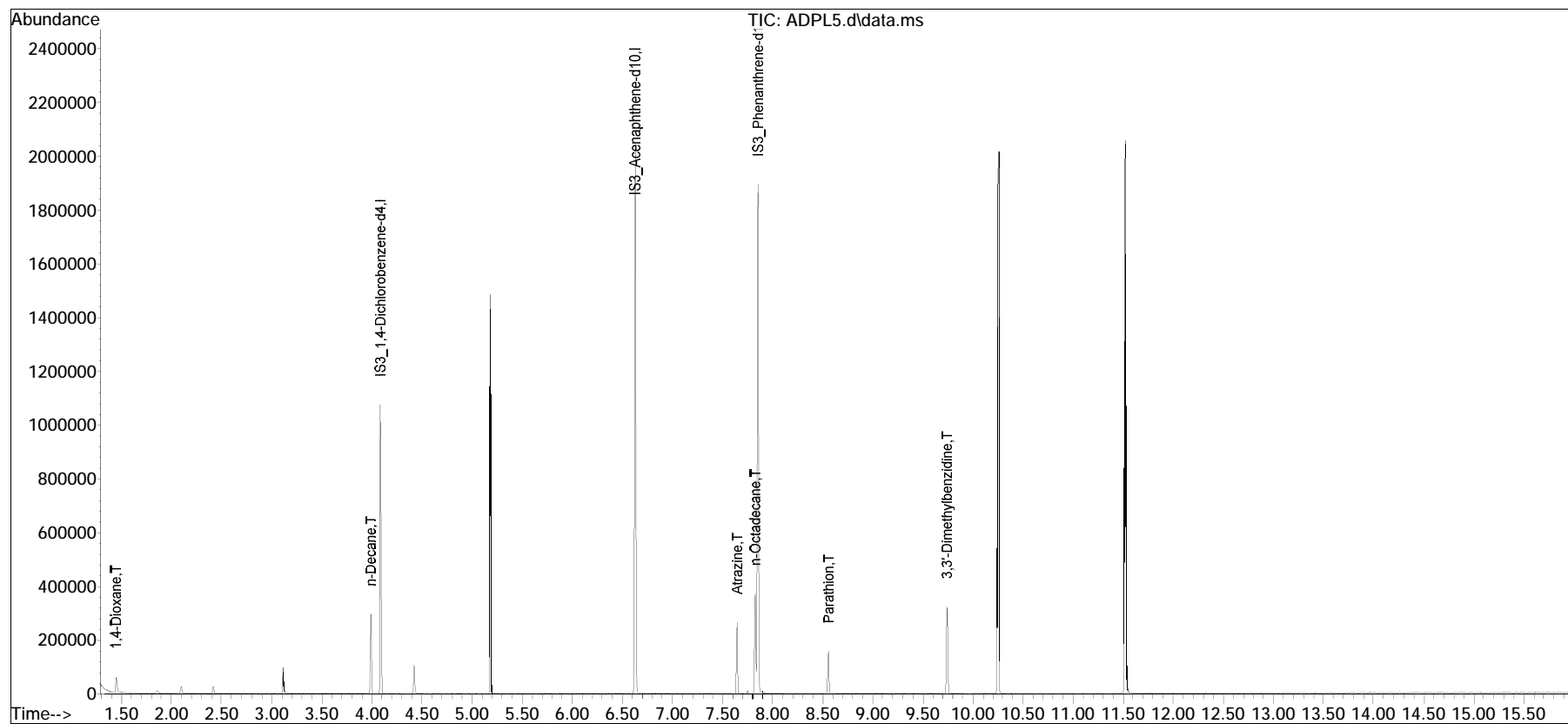
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\GCMS5\200401nical\  
Data File : ADPL5.d  
Acq On : 2 Apr 2020 9:13 am  
Operator : gcms5:ek  
Sample : IL26,32,,ADPL10 Lot# 8625  
Misc : wg1357700,,  
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Apr 02 10:51:06 2020  
Quant Method : i:\8270\gcms5\200401nical\FS200401gcms5.m  
Quant Title : Semivolatiles by GC/MS by modified 8270  
QLast Update : Thu Apr 02 10:42:21 2020  
Response via : Initial Calibration

Sub List : ADPical\_REV2 - ADP sublistcal\ADPL7.d•



Manual Integration Report

Data Path : I:\8270\GCMS5\200401nical\QMethod : FS200401gcms5.m  
Data File : ADPL5.d Operator : gcms5:ek  
Date Inj'd : 4/2/2020 9:13 am Instrument : GCMS5  
Sample : IL26,32,,ADPL10 Lot# 8625 Quant Date : 4/2/2020 10:44 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\GCMS5\200401nical\  
 Data File : ADPL4.d  
 Acq On : 2 Apr 2020 9:35 am  
 Operator : gcms5:ek  
 Sample : IL27,32,,ADPL5 Lot# 8624  
 Misc : wgl357700,,  
 ALS Vial : 29 Sample Multiplier: 1

Quant Time: Apr 02 11:25:13 2020  
 Quant Method : i:\8270\gcms5\200401nical\FS200401gcms5.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Thu Apr 02 11:24:55 2020  
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\GCMS5\200401nical\ADPL7.d  
 Sub List : ADPical\_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----						
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.087	152	146741	40.000	ug/ml	0.00
Standard Area 1 = 161699			Recovery	=	90.75%	
86) IS3_Acenaphthene-d10	6.630	164	300696	40.000	ug/ml	0.00
Standard Area 1 = 348197			Recovery	=	86.36%	
100) IS3_Phenanthrene-d10	7.853	188	592949	40.000	ug/ml	0.00
Standard Area 1 = 671685			Recovery	=	88.28%	

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
33) 1,4-Dioxane	1.448	88	9007	5.127	ug/ml#	78
34) n-Decane	3.991	57	24708	5.162	ug/ml	87
87) Atrazine	7.645	200	10900	4.504	ug/ml#	88
101) n-Octadecane	7.826	57	30570	4.827	ug/ml	96
102) Parathion	8.558	109	5729	6.125	ug/ml#	76
103) 3,3'-Dimethylbenzidine	9.744	212	42682	4.027	ug/ml	96

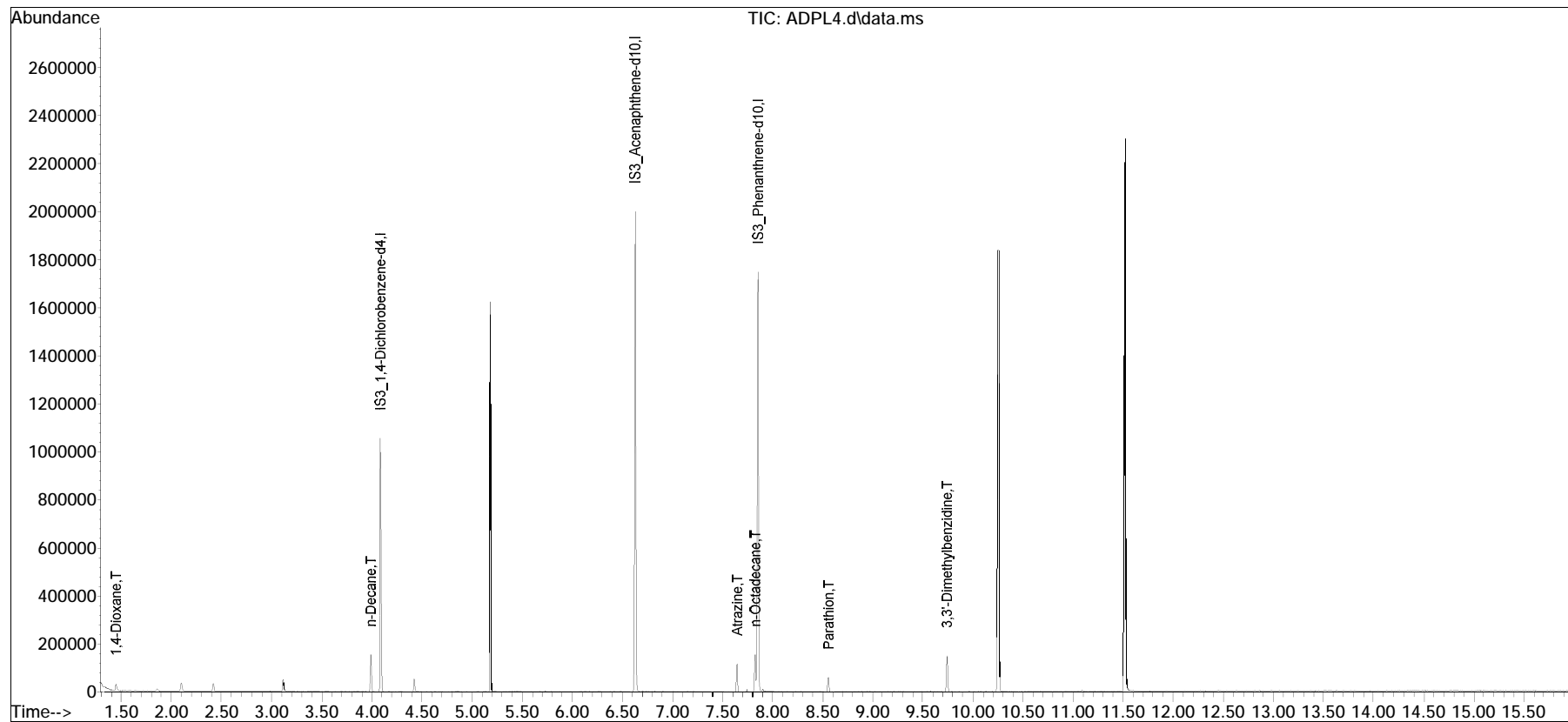
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\GCMS5\200401nical\  
Data File : ADPL4.d  
Acq On : 2 Apr 2020 9:35 am  
Operator : gcms5:ek  
Sample : IL27,32,,ADPL5 Lot# 8624  
Misc : wg1357700,,  
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Apr 02 11:25:13 2020  
Quant Method : i:\8270\gcms5\200401nical\FS200401gcms5.m  
Quant Title : Semivolatiles by GC/MS by modified 8270  
QLast Update : Thu Apr 02 11:24:55 2020  
Response via : Initial Calibration

Sub List : ADPical\_REV2 - ADP sublistcal\ADPL7.d•





Manual Integration Report

Data Path : I:\8270\GCMS5\200401nical\QMethod : FS200401gcms5.m  
Data File : ADPL4.d Operator : gcms5:ek  
Date Inj'd : 4/2/2020 9:35 am Instrument : GCMS5  
Sample : IL27,32,,ADPL5 Lot# 8624 Quant Date : 4/2/2020 11:24 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\GCMS5\200401nical\  
 Data File : ADPL3.d  
 Acq On : 2 Apr 2020 9:58 am  
 Operator : gcms5:ek  
 Sample : IL28,32,,ADPL3 Lot# 8623  
 Misc : wgl357700,,  
 ALS Vial : 30 Sample Multiplier: 1

Quant Time: Apr 02 10:48:35 2020  
 Quant Method : i:\8270\gcms5\200401nical\FS200401gcms5.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Thu Apr 02 10:42:21 2020  
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\GCMS5\200401nical\ADPL7.d  
 Sub List : ADPical\_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----						
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.087	152	123938	40.000	ug/ml	0.00
Standard Area 1 = 161699			Recovery	=	76.65%	
86) IS3_Acenaphthene-d10	6.630	164	263061	40.000	ug/ml	0.00
Standard Area 1 = 348197			Recovery	=	75.55%	
100) IS3_Phenanthrene-d10	7.853	188	517221	40.000	ug/ml	0.00
Standard Area 1 = 671685			Recovery	=	77.00%	

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
33) 1,4-Dioxane	1.448	88	4609	3.121	ug/ml#	68
34) n-Decane	3.991	57	11331	2.621	ug/ml	93
87) Atrazine	7.645	200	5462	2.459	ug/ml	96
101) n-Octadecane	7.826	57	15124	2.637	ug/ml	89
102) Parathion	8.558	109	2673	1.571	ug/ml#	78
103) 3,3'-Dimethylbenzidine	9.744	212	17566	1.676	ug/ml	97

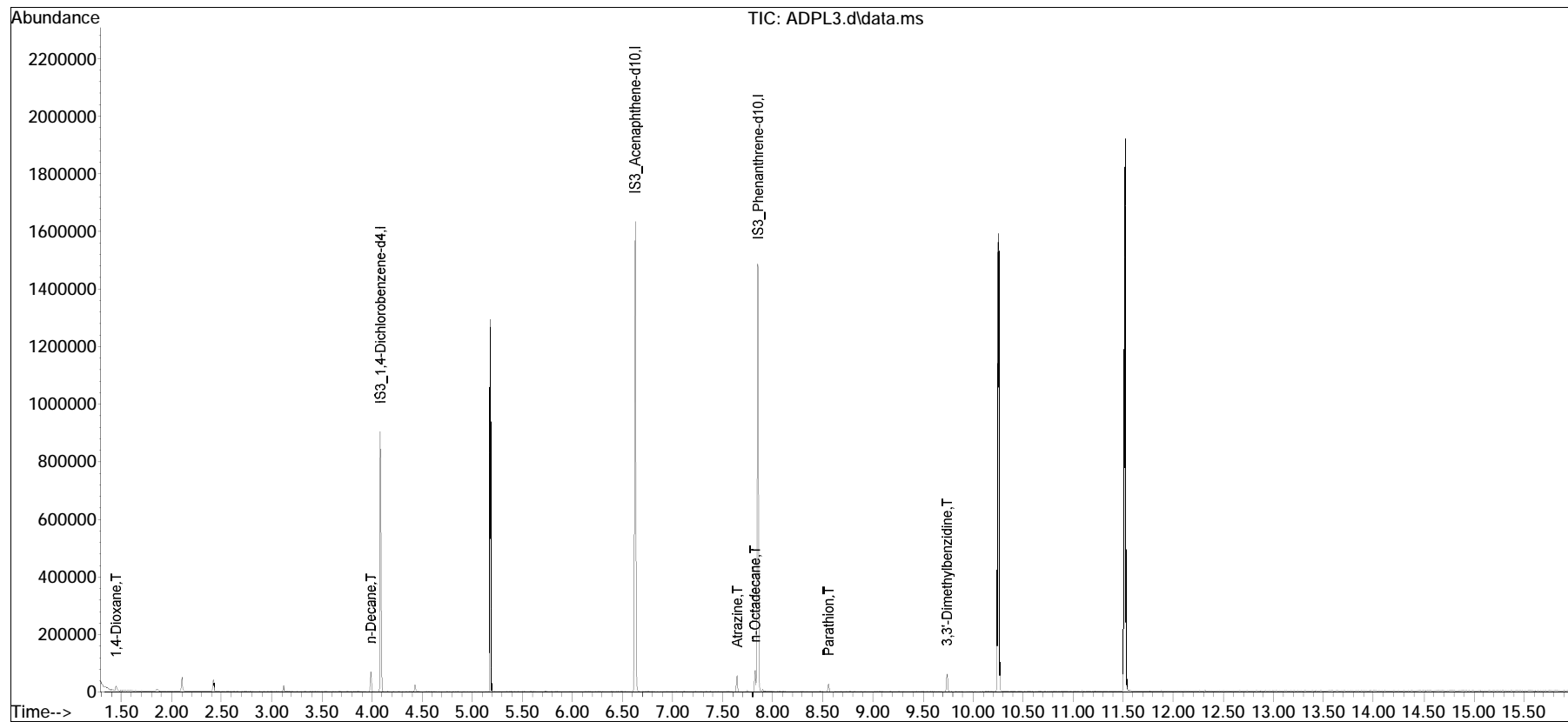
-----  
 (#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\GCMS5\200401nical\  
Data File : ADPL3.d  
Acq On : 2 Apr 2020 9:58 am  
Operator : gcms5:ek  
Sample : IL28,32,,ADPL3 Lot# 8623  
Misc : wg1357700,,  
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Apr 02 10:48:35 2020  
Quant Method : i:\8270\gcms5\200401nical\FS200401gcms5.m  
Quant Title : Semivolatiles by GC/MS by modified 8270  
QLast Update : Thu Apr 02 10:42:21 2020  
Response via : Initial Calibration

Sub List : ADPical\_REV2 - ADP sublistcal\ADPL7.d•



Manual Integration Report

Data Path : I:\8270\GCMS5\200401nical\QMethod : FS200401gcms5.m  
Data File : ADPL3.d Operator : gcms5:ek  
Date Inj'd : 4/2/2020 9:58 am Instrument : GCMS5  
Sample : IL28,32,,ADPL3 Lot# 8623 Quant Date : 4/2/2020 10:44 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\GCMS5\200401nical\  
 Data File : ADPL2.d  
 Acq On : 2 Apr 2020 10:21 am  
 Operator : gcms5:ek  
 Sample : IL29,32,,ADPL2 Lot# 8622  
 Misc : wgl357700,,  
 ALS Vial : 31 Sample Multiplier: 1

Quant Time: Apr 02 10:47:39 2020  
 Quant Method : i:\8270\gcms5\200401nical\FS200401gcms5.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Thu Apr 02 10:42:21 2020  
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\GCMS5\200401nical\ADPL7.d  
 Sub List : ADPical\_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----						
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.087	152	118590	40.000	ug/ml	0.00
Standard Area 1 = 161699			Recovery	=	73.34%	
86) IS3_Acenaphthene-d10	6.629	164	267982	40.000	ug/ml	0.00
Standard Area 1 = 348197			Recovery	=	76.96%	
100) IS3_Phenanthrene-d10	7.853	188	552222	40.000	ug/ml	0.00
Standard Area 1 = 671685			Recovery	=	82.21%	

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
33) 1,4-Dioxane	1.447	88	2943	2.083	ug/ml#	90
34) n-Decane	3.990	57	7229	1.747	ug/ml	92
87) Atrazine	7.644	200	4600	2.033	ug/ml#	87
101) n-Octadecane	7.826	57	10734	1.753	ug/ml	93
102) Parathion	8.558	109	1934	1.065	ug/ml#	79
103) 3,3'-Dimethylbenzidine	9.749	212	12483	1.116	ug/ml	98

-----

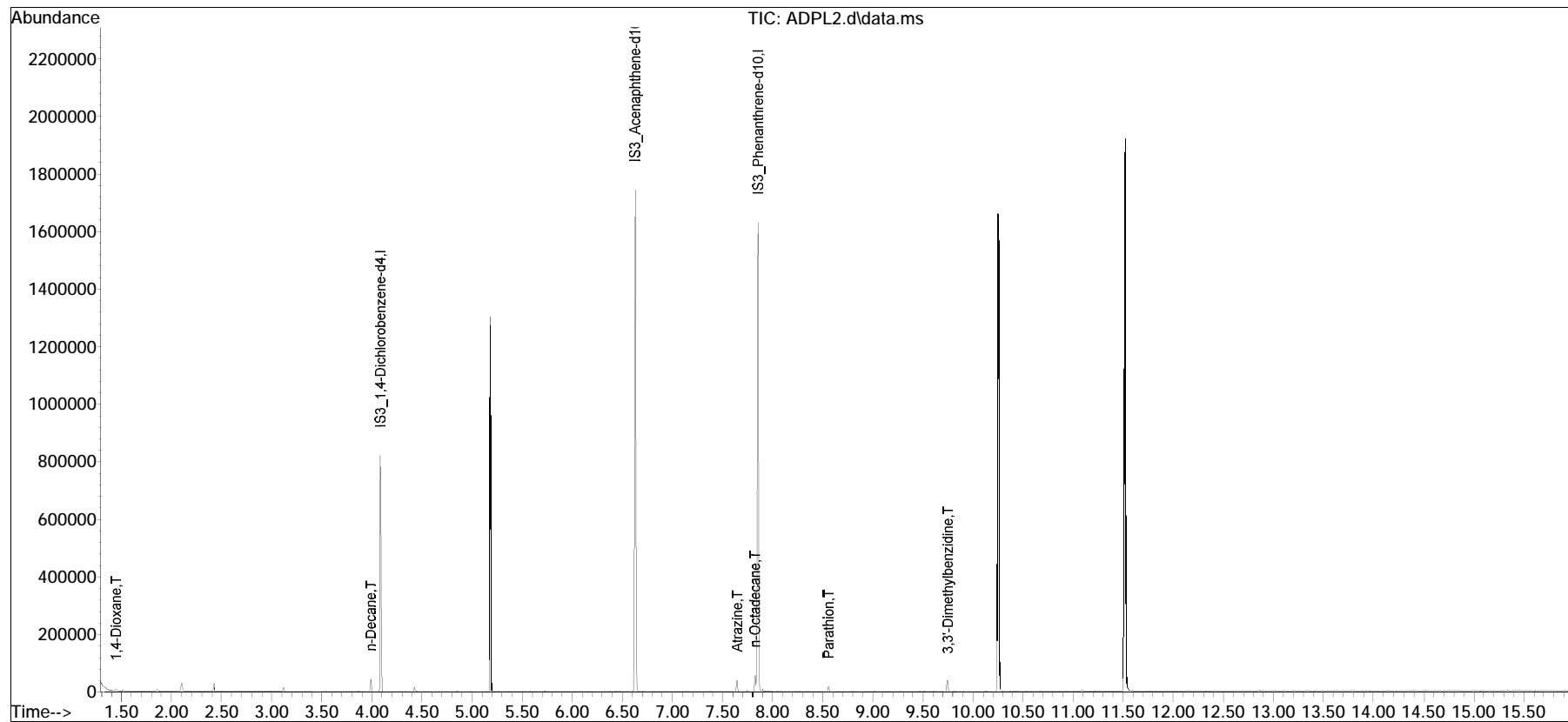
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\GCMS5\200401nical\  
Data File : ADPL2.d  
Acq On : 2 Apr 2020 10:21 am  
Operator : gcms5:ek  
Sample : IL29,32,,ADPL2 Lot# 8622  
Misc : wg1357700,,  
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Apr 02 10:47:39 2020  
Quant Method : i:\8270\gcms5\200401nical\FS200401gcms5.m  
Quant Title : Semivolatiles by GC/MS by modified 8270  
QLast Update : Thu Apr 02 10:42:21 2020  
Response via : Initial Calibration

Sub List : ADPical\_REV2 - ADP sublistcal\ADPL7.d•



Manual Integration Report

Data Path : I:\8270\GCMS5\200401nical\QMethod : FS200401gcms5.m  
Data File : ADPL2.d Operator : gcms5:ek  
Date Inj'd : 4/2/2020 10:21 am Instrument : GCMS5  
Sample : IL29,32,,ADPL2 Lot# 8622 Quant Date : 4/2/2020 10:44 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\GCMS5\200401nical\  
 Data File : ADPL1.d  
 Acq On : 2 Apr 2020 10:43 am  
 Operator : gcms5:ek  
 Sample : IL29,32,,ADPL0.5 Lot# 8621  
 Misc : wgl357700,,  
 ALS Vial : 32 Sample Multiplier: 1

Quant Time: Apr 02 11:10:15 2020  
 Quant Method : i:\8270\gcms5\200401nical\FS200401gcms5.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Thu Apr 02 11:08:35 2020  
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\GCMS5\200401nical\ADPL7.d  
 Sub List : ADPical\_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----						
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.087	152	137106	40.000	ug/ml	0.00
Standard Area 1 = 161699			Recovery	=	84.79%	
86) IS3_Acenaphthene-d10	6.629	164	297414	40.000	ug/ml	0.00
Standard Area 1 = 348197			Recovery	=	85.42%	
100) IS3_Phenanthrene-d10	7.848	188	605640	40.000	ug/ml	0.00
Standard Area 1 = 671685			Recovery	=	90.17%	

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
33) 1,4-Dioxane	1.453	88	752	0.454	ug/ml#	71
34) n-Decane	3.990	57	2167	0.483	ug/ml	93
87) Atrazine	7.639	200	803	0.335	ug/ml#	31
101) n-Octadecane	7.826	57	2502	0.387	ug/ml	89
102) Parathion	8.553	109	508	0.283	ug/ml#	6
103) 3,3'-Dimethylbenzidine	9.744	212	3480	0.321	ug/ml#	78

(#) = qualifier out of range (m) = manual integration (+) = signals summed

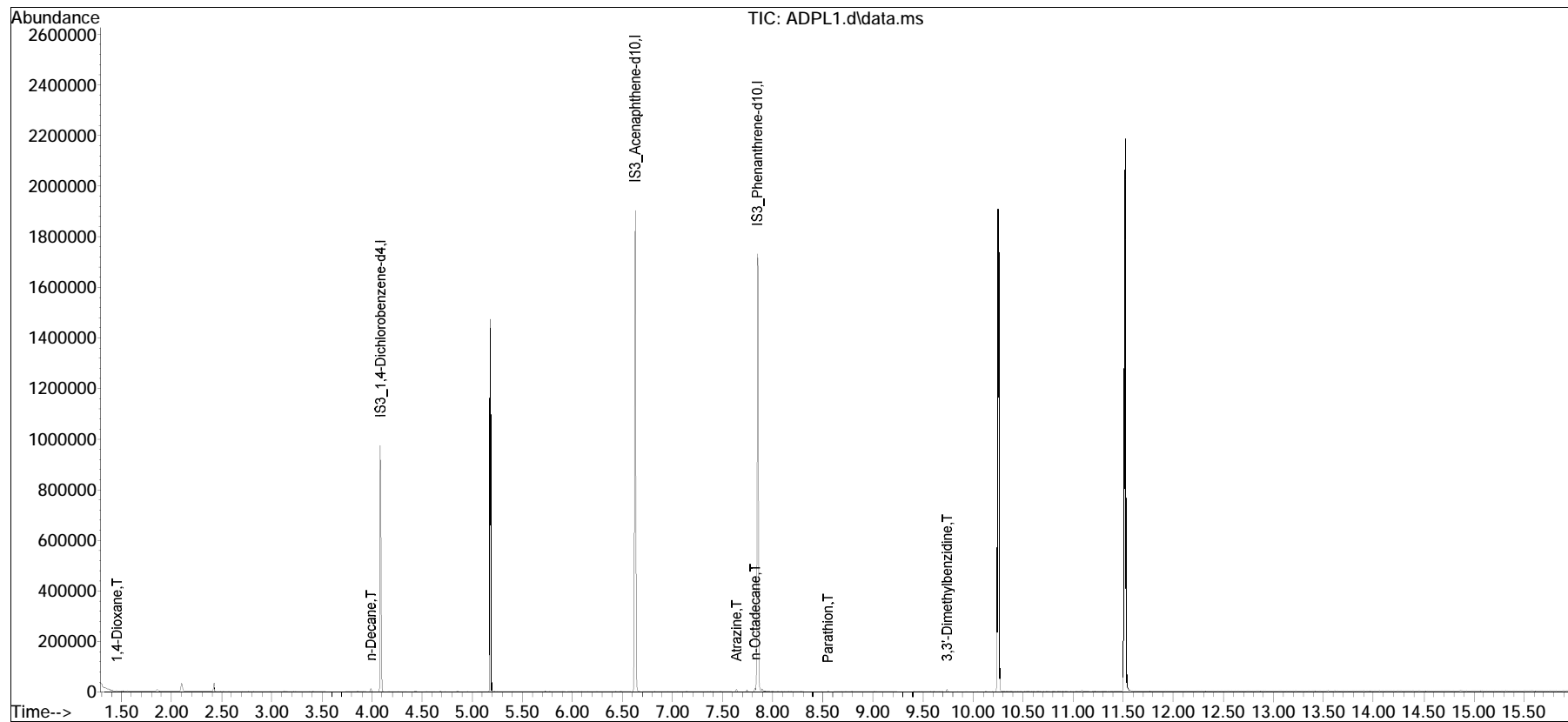


Quantitation Report (QT Reviewed)

Data Path : I:\8270\GCMS5\200401nical\  
Data File : ADPL1.d  
Acq On : 2 Apr 2020 10:43 am  
Operator : gcms5:ek  
Sample : IL29,32,,ADPL0.5 Lot# 8621  
Misc : wg1357700,,  
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Apr 02 11:10:15 2020  
Quant Method : i:\8270\gcms5\200401nical\FS200401gcms5.m  
Quant Title : Semivolatiles by GC/MS by modified 8270  
QLast Update : Thu Apr 02 11:08:35 2020  
Response via : Initial Calibration

Sub List : ADPical\_REV2 - ADP sublistcal\ADPL7.d•



Manual Integration Report

Data Path : I:\8270\GCMS5\200401nical\QMethod : FS200401gcms5.m  
Data File : ADPL1.d Operator : gcms5:ek  
Date Inj'd : 4/2/2020 10:43 am Instrument : GCMS5  
Sample : IL29,32,,ADPL0.5 Lot# 8621Quant Date : 4/2/2020 11:09 am

There are no manual integrations or false positives in this file.

Evaluate Continuing Calibration Report

Data Path : I:\8270\GCMS5\200401nical\  
 Data File : ADPICV.d  
 Acq On : 2 Apr 2020 11:06 am  
 Operator : gcms5:ek  
 Sample : CQICV3,32,,ADPICV Lot# 8505  
 Misc : wgl357700,,  
 ALS Vial : 33 Sample Multiplier: 1

Quant Time: Apr 02 11:23:27 2020  
 Quant Method : i:\8270\gcms5\200401nical\FS200401gcms5.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Thu Apr 02 11:17:57 2020  
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
32 I	IS3_1,4-Dichlorobenzene-d4	1.000	1.000	0.0	91	0.00
33 T	1,4-Dioxane	0.479	0.438	8.6	83	0.00
34 T	n-Decane	1.305	1.127	13.6	73	0.00
86 I	IS3_Acenaphthene-d10	1.000	1.000	0.0	95	0.00
87 T	Atrazine	0.322	0.309	4.0	87	0.00
100 I	IS3_Phenanthrene-d10	1.000	1.000	0.0	103	0.00
101 T	n-Octadecane	0.427	0.374	12.4	87	0.00
102 T	Parathion	* 50.000	41.492	17.0	88	0.00
103 T	3,3'-Dimethylbenzidine	0.715	0.626	12.4	80	0.00

\* Evaluation of CC level amount vs concentration.  
 (#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\GCMS5\200401nical\  
 Data File : ADPICV.d  
 Acq On : 2 Apr 2020 11:06 am  
 Operator : gcms5:ek  
 Sample : CQICV3,32,,ADPICV Lot# 8505  
 Misc : wgl357700,,  
 ALS Vial : 33 Sample Multiplier: 1

Quant Time: Apr 02 11:23:27 2020  
 Quant Method : i:\8270\gcms5\200401nical\FS200401gcms5.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Thu Apr 02 11:17:57 2020  
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\GCMS5\200401nical\ADPL7.d  
 Sub List : ADPical\_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----						
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.087	152	146575	40.000	ug/ml	0.00
Standard Area 1 = 161699			Recovery	=	90.65%	
86) IS3_Acenaphthene-d10	6.630	164	330372	40.000	ug/ml	0.00
Standard Area 1 = 348197			Recovery	=	94.88%	
100) IS3_Phenanthrene-d10	7.853	188	693602	40.000	ug/ml	0.00
Standard Area 1 = 671685			Recovery	=	103.26%	

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
33) 1,4-Dioxane	1.442	88	80165	45.681	ug/ml#	77
34) n-Decane	3.991	57	206522	43.198	ug/ml	95
87) Atrazine	7.645	200	127400	47.917	ug/ml	93
101) n-Octadecane	7.826	57	324209	43.766	ug/ml	94
102) Parathion	8.558	109	97307	41.492	ug/ml#	86
103) 3,3'-Dimethylbenzidine	9.749	212	542816	43.786	ug/ml	98

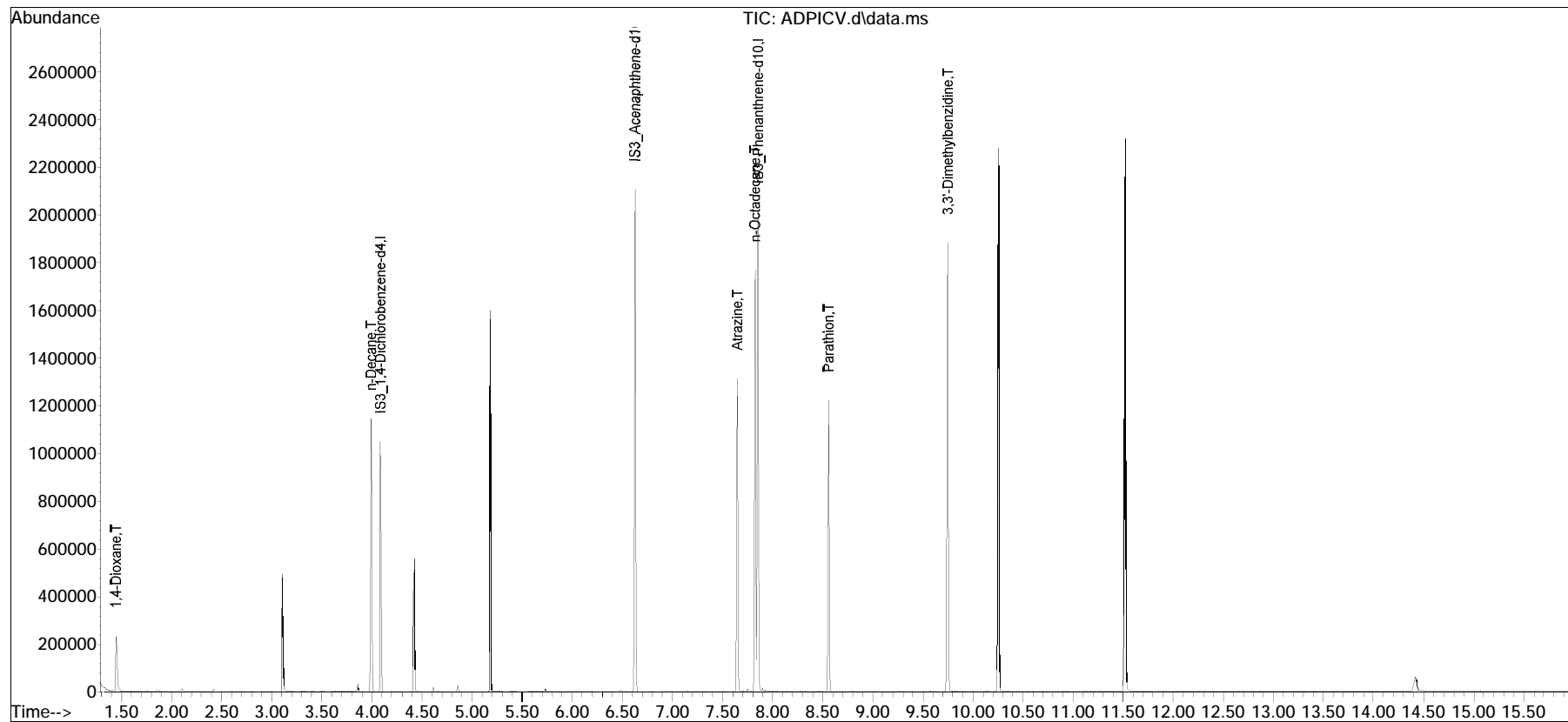
-----  
 (#) = qualifier out of range (m) = manual integration (+) = signals summed

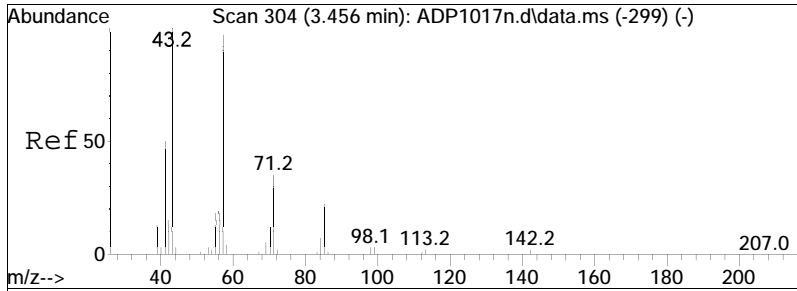
Quantitation Report (QT Reviewed)

Data Path : I:\8270\GCMS5\200401nical\  
Data File : ADPICV.d  
Acq On : 2 Apr 2020 11:06 am  
Operator : gcms5:ek  
Sample : CQICV3,32,,ADPICV Lot# 8505  
Misc : wg1357700,,  
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Apr 02 11:23:27 2020  
Quant Method : i:\8270\gcms5\200401nical\FS200401gcms5.m  
Quant Title : Semivolatiles by GC/MS by modified 8270  
QLast Update : Thu Apr 02 11:17:57 2020  
Response via : Initial Calibration

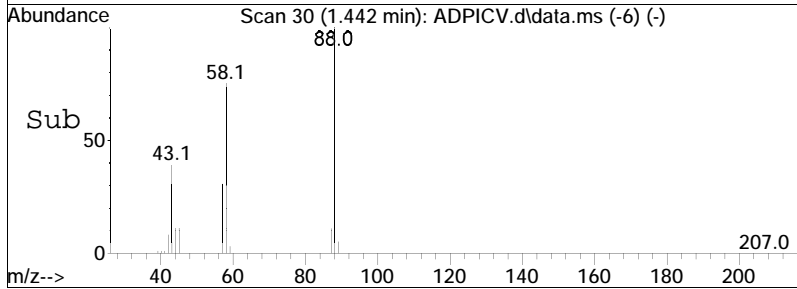
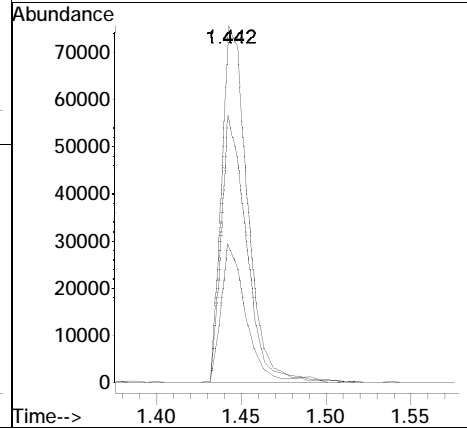
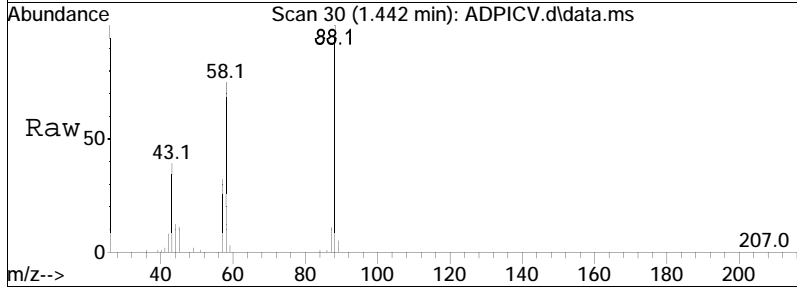
Sub List : ADPical\_REV2 - ADP sublistcal\ADPL7.d•

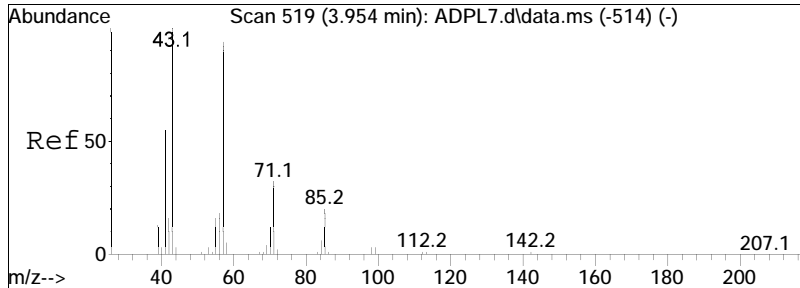




#33  
 1,4-Dioxane  
 Concen: 45.68 ug/ml  
 RT: 1.442 min Scan# 30  
 Delta R.T. 0.001 min  
 Lab File: ADPICV.d  
 Acq: 2 Apr 2020 11:06 am

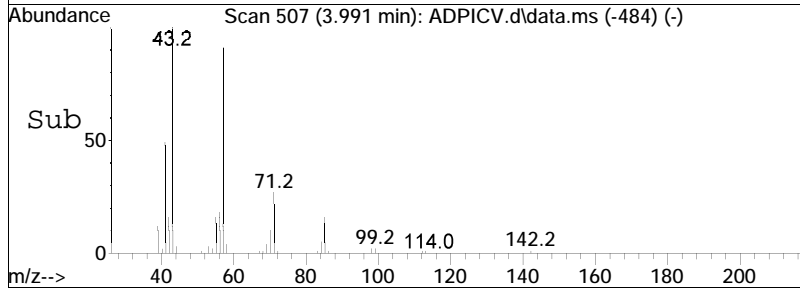
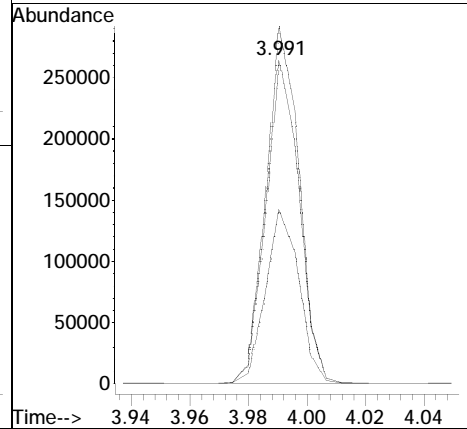
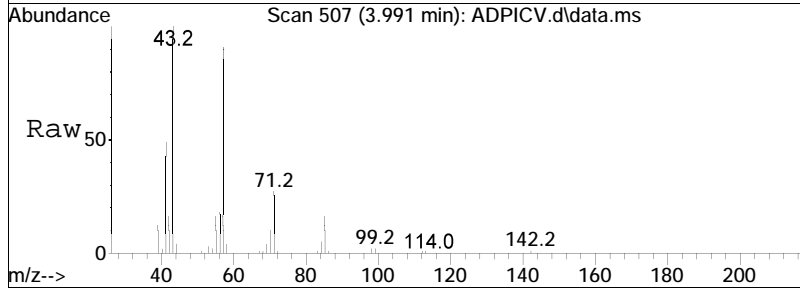
Tgt Ion	Ratio	Lower	Upper
88	100		
58	72.9	44.8	67.2#
43	37.2	20.8	31.2#

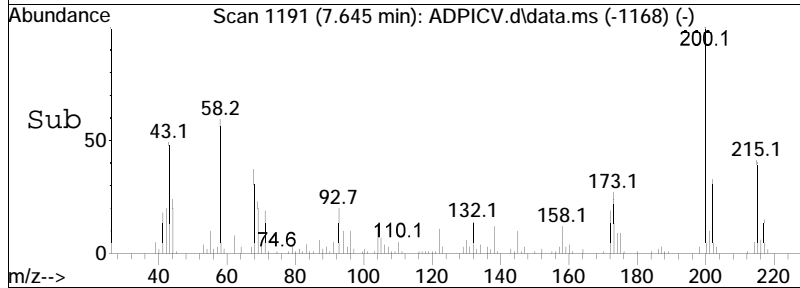
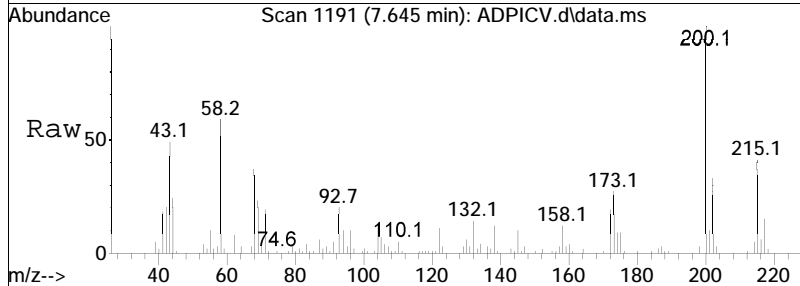
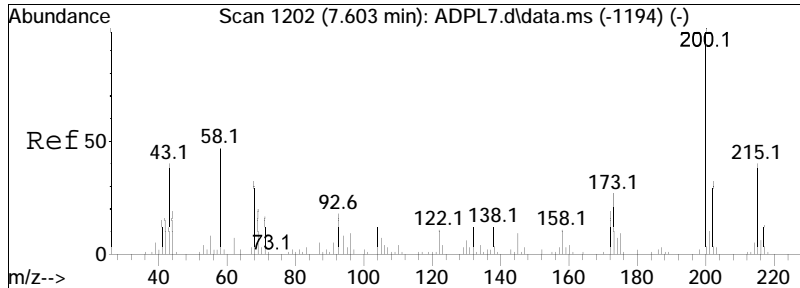




#34  
 n-Decane  
 Concen: 43.20 ug/ml  
 RT: 3.991 min Scan# 507  
 Delta R.T. -0.003 min  
 Lab File: ADPICV.d  
 Acq: 2 Apr 2020 11:06 am

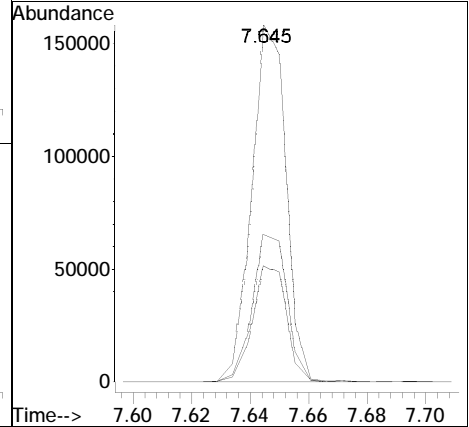
Tgt Ion	Resp	Lower	Upper
57	100		
43	110.3	84.2	126.2
41	54.1	45.8	68.8



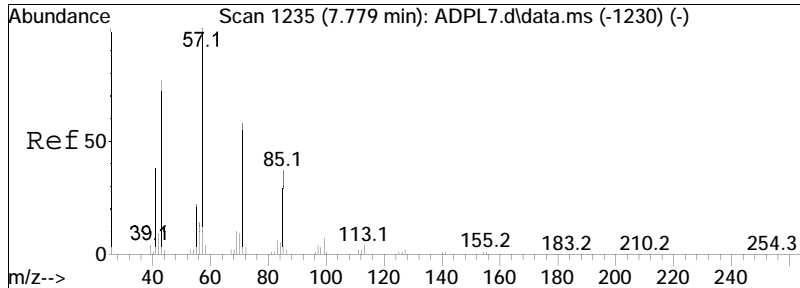


#87  
 Atrazine  
 Concen: 47.92 ug/ml  
 RT: 7.645 min Scan# 1191  
 Delta R.T. -0.003 min  
 Lab File: ADPICV.d  
 Acq: 2 Apr 2020 11:06 am

Tgt Ion	Ratio	Lower	Upper
200	100		
202	32.5	25.8	38.8
215	42.1	40.3	60.5

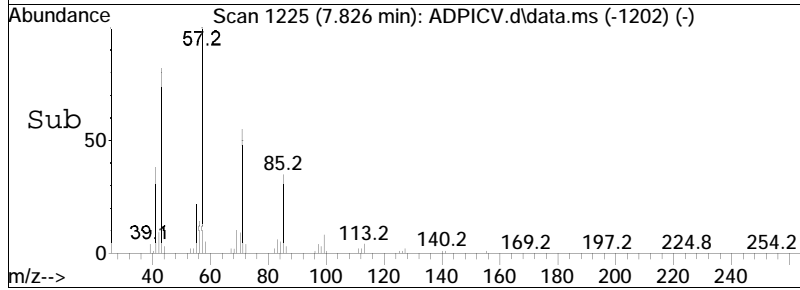
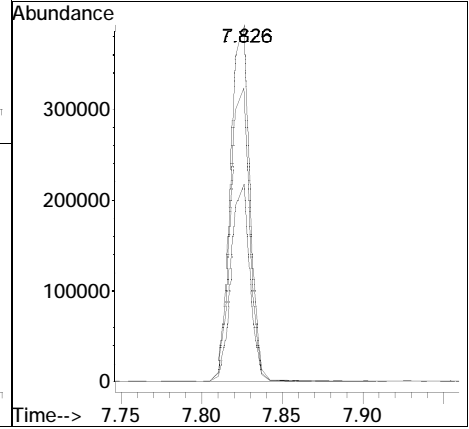
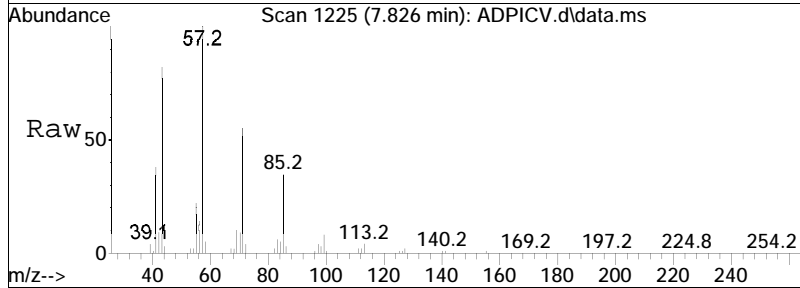


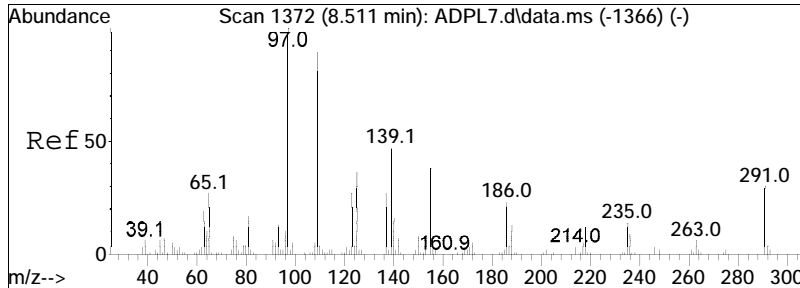




#101  
 n-Octadecane  
 Concen: 43.77 ug/ml  
 RT: 7.826 min Scan# 1225  
 Delta R.T. -0.004 min  
 Lab File: ADPICV.d  
 Acq: 2 Apr 2020 11:06 am

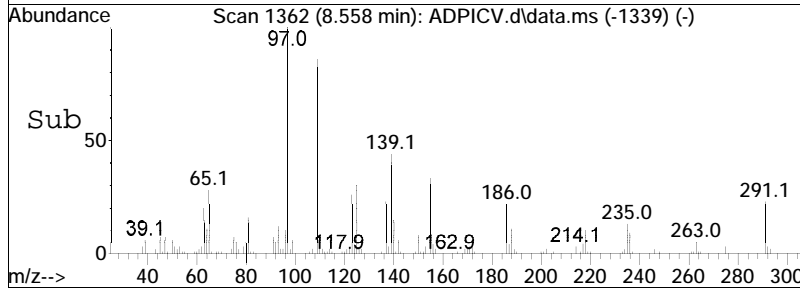
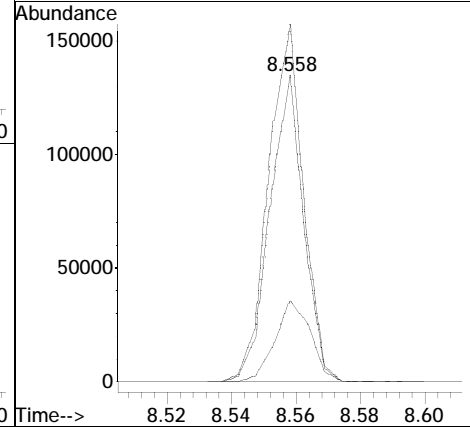
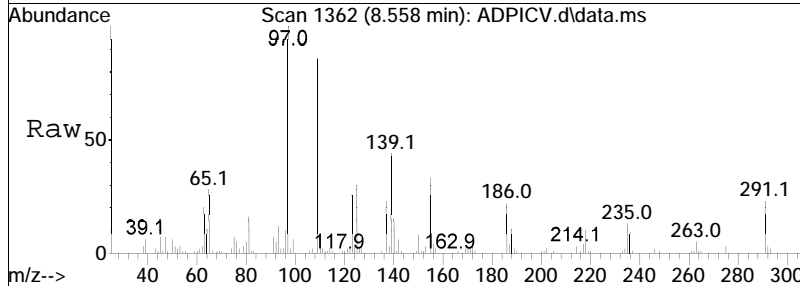
Tgt Ion	Resp	Lower	Upper
57	100		
43	82.1	65.0	97.4
71	54.0	50.5	75.7

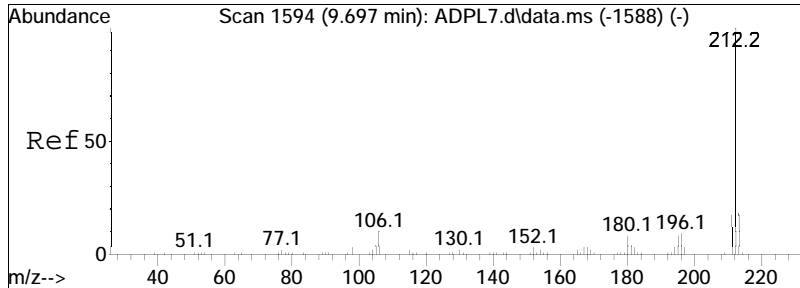




#102  
 Parathion  
 Concen: 41.49 ug/ml  
 RT: 8.558 min Scan# 1362  
 Delta R.T. -0.004 min  
 Lab File: ADPICV.d  
 Acq: 2 Apr 2020 11:06 am

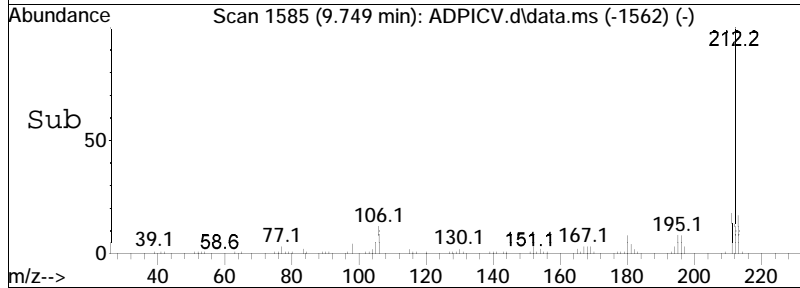
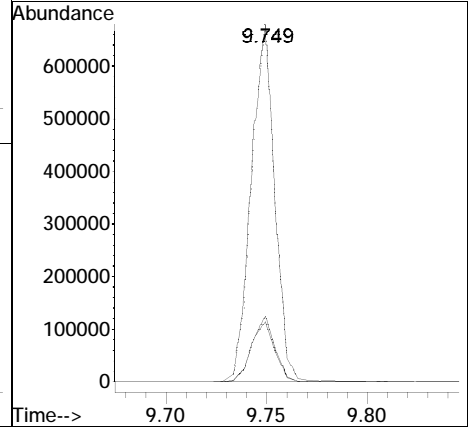
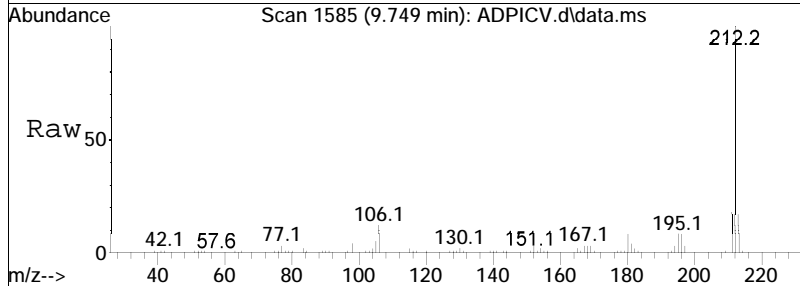
Tgt Ion	109	Resp:	97307
Ion Ratio	Lower	Upper	
109	100		
97	120.5	88.6	133.0
291	28.0	36.5	54.7#





#103  
 3,3'-Dimethylbenzidine  
 Concen: 43.79 ug/ml  
 RT: 9.749 min Scan# 1585  
 Delta R.T. -0.004 min  
 Lab File: ADPICV.d  
 Acq: 2 Apr 2020 11:06 am

Tgt Ion	Ratio	Lower	Upper
212	100		
211	18.2	13.2	19.8
213	17.2	13.9	20.9



Manual Integration Report

Data Path : I:\8270\GCMS5\200401nical\QMethod : FS200401gcms5.m  
Data File : ADPICV.d Operator : gcms5:ek  
Date Inj'd : 4/2/2020 11:06 am Instrument : GCMS5  
Sample : CQICV3,32,,ADPICV Lot# 850Quant Date : 4/2/2020 11:23 am

There are no manual integrations or false positives in this file.

Evaluate Continuing Calibration Report

Data Path : I:\8270\GCMS5\200401nical\  
 Data File : ABNICVa.d  
 Acq On : 2 Apr 2020 11:51 am  
 Operator : gcms5:ek  
 Sample : CQICV1,32,,ABNICV Lot# 8527  
 Misc : wgl357700,,  
 ALS Vial : 21 Sample Multiplier: 1

Quant Time: Apr 02 12:39:16 2020  
 Quant Method : i:\8270\gcms5\200401nical\FS200401gcms5.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Thu Apr 02 12:31:18 2020  
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	IS1_1,4-Dichlorobenzene-d4	1.000	1.000	0.0	91	0.00
2 t	n-Nitrosodimethylamine	0.705	0.638	9.5	81	-0.02
3 t	Pyridine	1.239	1.054	14.9	73	-0.03
4 S	2-Fluorophenol	1.102	1.052	4.5	83	0.00
5 T	Aniline	1.787	1.686	5.7	85	0.00
6 t	2-Chlorophenol	1.282	1.198	6.6	83	0.00
7 S	Phenol-d6	1.366	1.316	3.7	88	0.00
8 T	Phenol	1.639	1.521	7.2	83	0.00
9 T	Bis(2-chloroethyl)ether	1.055	0.978	7.3	85	0.00
10 T	1,3-Dichlorobenzene	1.498	1.392	7.1	84	0.00
11 T	1,4-Dichlorobenzene	1.550	1.412	8.9	83	0.00
12 T	1,2-Dichlorobenzene	1.492	1.364	8.6	85	0.00
13 t	Benzyl alcohol	0.928	0.907	2.3	86	0.00
14 T	Bis(2-chloroisopropyl)ether	1.977	1.879	5.0	88	0.00
15 T	2-Methylphenol	1.095	1.067	2.6	87	0.00
16 T	Hexachloroethane	0.603	0.535	11.3	83	0.00
17 T	n-Nitrosodi-n-propylamine	0.819	0.809	1.2	88	0.00
18 T	3-Methylphenol/4-Methylphen	1.177	1.111	5.6	86	0.00
19 S	Nitrobenzene-d5	1.235	1.188	3.8	86	0.00
20 T	Nitrobenzene	1.247	1.192	4.4	87	0.00
21 T	Isophorone	2.162	2.159	0.1	88	0.00
22 T	2-Nitrophenol	0.714	0.660	7.6	83	0.00
23 T	2,4-Dimethylphenol	1.149	1.166	-1.5	92	0.00
24 T	Bis(2-chloroethoxy)methane	1.415	1.362	3.7	91	0.00
25 T	2,4-Dichlorophenol	1.210	1.172	3.1	87	0.00
26 T	1,2,4-Trichlorobenzene	1.425	1.281	10.1	86	0.00
35 I	IS1_Naphthalene-d8	1.000	1.000	0.0	97	0.00
36 T	Naphthalene	1.022	0.921	9.9	87	0.00
37 T	Benzoic Acid	* 50.000	41.944	16.1	81	0.00
38 T	4-Chloroaniline	0.126	0.115	8.7	87	0.00
39 T	Hexachlorobutadiene	0.218	0.193	11.5	84	0.00
40 T	p-Chloro-m-cresol	0.294	0.287	2.4	89	0.00
41 T	2-Methylnaphthalene	0.726	0.671	7.6	89	0.00
42 T	1-Methylnaphthalene	0.231	0.214	7.4	89	0.00
43 T	Hexachlorocyclopentadiene	0.304	0.261	14.1	83	0.00
44 T	2,4,6-Trichlorophenol	0.257	0.234	8.9	84	0.00
45 T	2,4,5-Trichlorophenol	0.282	0.249	11.7	83	0.00
46 S	2-Fluorobiphenyl	0.793	0.742	6.4	90	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270\GCMS5\200401nical\  
 Data File : ABNICVa.d  
 Acq On : 2 Apr 2020 11:51 am  
 Operator : gcms5:ek  
 Sample : CQICV1,32,,ABNICV Lot# 8527  
 Misc : wgl357700,,  
 ALS Vial : 21 Sample Multiplier: 1

Quant Time: Apr 02 12:39:16 2020  
 Quant Method : i:\8270\gcms5\200401nical\FS200401gcms5.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Thu Apr 02 12:31:18 2020  
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
47 T	2-Chloronaphthalene	0.741	0.678	8.5	88	0.00
48 T	2-Nitroaniline	0.248	0.226	8.9	87	0.00
49 T	1,4-Dinitrobenzene	0.107	0.095	11.2	83	0.00
50 T	1,3-Dinitrobenzene	0.120	0.112	6.7	90	0.00
51 T	Dimethyl phthalate	0.857	0.796	7.1	90	0.00
52 T	Acenaphthylene	1.125	1.074	4.5	90	0.00
53 T	2,6-Dinitrotoluene	0.184	0.175	4.9	88	0.00
54 T	1,2-Dinitrobenzene	0.074	0.068	8.1	89	0.00
63 I	IS1_Acenaphthene-d10	1.000	1.000	0.0	102	0.00
64 T	3-Nitroaniline	0.364	0.319	12.4	86	0.00
65 T	Acenaphthene	1.138	0.980	13.9	89	0.00
66 T	2,4-Dinitrophenol	* 50.000	39.037	21.9#	78	-0.02
67 T	Dibenzofuran	1.766	1.560	11.7	90	0.00
68 T	2,4-Dinitrotoluene	0.424	0.398	6.1	90	0.00
69 T	4-Nitrophenol	0.266	0.249	6.4	91	0.00
70 T	2,3,5,6-Tetrachlorophenol	0.427	0.386	9.6	86	0.00
71 T	2,3,4,6-Tetrachlorophenol	0.433	0.379	12.5	84	0.00
72 T	Diethyl phthalate	1.430	1.331	6.9	91	0.00
73 T	Fluorene	1.393	1.265	9.2	91	0.00
74 T	4-Chlorophenyl phenyl ether	0.667	0.607	9.0	91	0.00
75 T	4-Nitroaniline	0.376	0.344	8.5	89	0.00
76 T	4,6-Dinitro-o-cresol	0.265	0.242	8.7	86	0.00
77 T	NDPA/DPA	1.151	1.049	8.9	90	0.00
78 T	Azobenzene	1.260	1.162	7.8	92	0.00
79 S	2,4,6-Tribromophenol	0.243	0.216	11.1	83	0.00
80 T	4-Bromophenyl phenyl ether	0.429	0.377	12.1	87	0.00
81 T	Hexachlorobenzene	0.501	0.435	13.2	86	0.00
82 T	Pentachlorophenol	* 50.000	41.007	18.0	86	0.00
88 I	IS1_Phenanthrene-d10	1.000	1.000	0.0	104	0.00
89 T	Phenanthrene	1.064	0.954	10.3	92	0.00
90 T	Anthracene	1.054	0.969	8.1	91	0.00
91 T	Carbazole	0.997	0.913	8.4	91	0.00
92 T	Di-n-butylphthalate	1.165	1.133	2.7	95	0.00
93 T	Fluoranthene	1.287	1.178	8.5	91	0.00
94 T	Benzidine	0.835	0.800	4.2	92	0.00
95 T	Pyrene	1.331	1.223	8.1	94	0.00
96 S	4-Terphenyl-d14	0.838	0.712	15.0	82	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270\GCMS5\200401nical\  
 Data File : ABNICVa.d  
 Acq On : 2 Apr 2020 11:51 am  
 Operator : gcms5:ek  
 Sample : CQICV1,32,,ABNICV Lot# 8527  
 Misc : wgl357700,,  
 ALS Vial : 21 Sample Multiplier: 1

Quant Time: Apr 02 12:39:16 2020  
 Quant Method : i:\8270\gcms5\200401nical\FS200401gcms5.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Thu Apr 02 12:31:18 2020  
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
97 T	Butyl benzyl phthalate	0.568	0.551	3.0	95	0.00
104 I	IS1_Chrysene-d12	1.000	1.000	0.0	105	0.00
105 T	Benzo(a)anthracene	1.259	1.103	12.4	90	0.00
106 T	3,3'-Dichlorobenzidine	0.477	0.440	7.8	90	0.00
107 T	Chrysene	1.209	1.050	13.2	91	0.00
108 T	Bis(2-ethylhexyl)phthalate	0.759	0.758	0.1	96	0.00
109 T	Di-n-octylphthalate	1.380	1.363	1.2	97	0.00
110 T	Benzo(b)fluoranthene	1.348	1.140	15.4	79	0.00
111 T	Benzo(k)fluoranthene	1.176	1.114	5.3	101	0.00
112 T	Benzo(a)pyrene	1.198	1.067	10.9	88	0.00
113 I	IS1_Perylene-d12	1.000	1.000	0.0	105	0.00
114 T	Indeno(1,2,3-cd)pyrene	1.188	1.017	14.4	85	0.00
115 T	Dibenzo(a,h)anthracene	1.049	0.943	10.1	87	0.00
116 T	Benzo(ghi)perylene	1.164	1.065	8.5	91	0.01

\* Evaluation of CC level amount vs concentration.  
 (#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\GCMS5\200401nical\  
 Data File : ABNICVa.d  
 Acq On : 2 Apr 2020 11:51 am  
 Operator : gcms5:ek  
 Sample : CQICV1,32,,ABNICV Lot# 8527  
 Misc : wgl357700,,  
 ALS Vial : 21 Sample Multiplier: 1

Quant Time: Apr 02 12:39:16 2020  
 Quant Method : i:\8270\gcms5\200401nical\FS200401gcms5.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Thu Apr 02 12:31:18 2020  
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\GCMS5\200401nical\ABNL7.d  
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----						
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.087	152	115163	40.000	ug/ml	0.00
Standard Area 1 = 126049			Recovery =	91.36%		
35) IS1_Naphthalene-d8	5.182	136	433197	40.000	ug/ml	0.00
Standard Area 1 = 445038			Recovery =	97.34%		
63) IS1_Acenaphthene-d10	6.629	164	268001	40.000	ug/ml	0.00
Standard Area 1 = 262232			Recovery =	102.20%		
88) IS1_Phenanthrene-d10	7.853	188	563245	40.000	ug/ml	0.00
Standard Area 1 = 543330			Recovery =	103.67%		
104) IS1_Chrysene-d12	10.257	240	604183	40.000	ug/ml	# 0.00
Standard Area 1 = 576405			Recovery =	104.82%		
113) IS1_Perylene-d12	11.523	264	679669	40.000	ug/ml	0.00
Standard Area 1 = 649115			Recovery =	104.71%		
System Monitoring Compounds						
4) 2-Fluorophenol	2.890	112	151403	47.734	ug/ml	0.00
Spiked Amount 50.000	Range 15 - 110		Recovery =	95.47%		
7) Phenol-d6	3.793	99	189465	48.185	ug/ml	0.00
Spiked Amount 50.000	Range 15 - 110		Recovery =	96.37%		
19) Nitrobenzene-d5	4.573	82	171024	48.090	ug/ml	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	192.36%#		
46) 2-Fluorobiphenyl	6.095	172	402044	46.802	ug/ml	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	187.21%#		
79) 2,4,6-Tribromophenol	7.276	330	72396	44.419	ug/ml	0.00
Spiked Amount 50.000	Range 15 - 110		Recovery =	88.84%		
96) 4-Terphenyl-d14	9.301	244	501095	42.442	ug/ml	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	169.77%#		
Target Compounds						
						Qvalue
2) n-Nitrosodimethylamine	1.618	74	91835	45.216	ug/ml#	90
3) Pyridine	1.650	79	151736	42.531	ug/ml	83
5) Aniline	3.798	93	242768	47.187	ug/ml	95
6) 2-Chlorophenol	3.900	128	172444	46.738	ug/ml	97
8) Phenol	3.803	94	218899	46.390	ug/ml	96
9) Bis(2-chloroethyl)ether	3.873	93	140725	46.340	ug/ml#	85
10) 1,3-Dichlorobenzene	4.038	146	200441	46.462	ug/ml	100
11) 1,4-Dichlorobenzene	4.103	146	203227	45.538	ug/ml	99
12) 1,2-Dichlorobenzene	4.236	146	196393	45.720	ug/ml	100
13) Benzyl alcohol	4.225	79	130605	48.882	ug/ml	99
14) Bis(2-chloroisopropyl)...	4.359	45	270515	47.517	ug/ml#	89



Quantitation Report (QT Reviewed)

Data Path : I:\8270\GCMS5\200401nical\  
 Data File : ABNICVa.d  
 Acq On : 2 Apr 2020 11:51 am  
 Operator : gcms5:ek  
 Sample : CQICV1,32,,ABNICV Lot# 8527  
 Misc : wgl357700,,  
 ALS Vial : 21 Sample Multiplier: 1

Quant Time: Apr 02 12:39:16 2020  
 Quant Method : i:\8270\gcms5\200401nical\FS200401gcms5.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Thu Apr 02 12:31:18 2020  
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\GCMS5\200401nical\ABNL7.d  
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
15) 2-Methylphenol	4.343	108	153543	48.682	ug/ml	98
16) Hexachloroethane	4.530	117	76998	44.377	ug/ml#	84
17) n-Nitrosodi-n-propylamine	4.466	70	116446	49.355	ug/ml#	91
18) 3-Methylphenol/4-Methy...	4.482	108	159904	47.173	ug/ml	98
20) Nitrobenzene	4.589	77	171525	47.791	ug/ml	97
21) Isophorone	4.802	82	310746	49.911	ug/ml	95
22) 2-Nitrophenol	4.866	139	94962	46.187	ug/ml	95
23) 2,4-Dimethylphenol	4.931	107	167895	50.746	ug/ml	95
24) Bis(2-chloroethoxy)met...	5.011	93	196055	48.129	ug/ml	99
25) 2,4-Dichlorophenol	5.075	162	168709	48.427	ug/ml	98
26) 1,2,4-Trichlorobenzene	5.144	180	184395	44.943	ug/ml	99
36) Naphthalene	5.198	128	498562	45.065	ug/ml	99
37) Benzoic Acid	5.027	105	114669	41.944	ug/ml#	1
38) 4-Chloroaniline	5.256	65	62498	45.642	ug/ml	91
39) Hexachlorobutadiene	5.331	225	104676	44.392	ug/ml	98
40) p-Chloro-m-cresol	5.684	107	155435	48.864	ug/ml	95
41) 2-Methylnaphthalene	5.780	142	363608	46.225	ug/ml	96
42) 1-Methylnaphthalene	5.860	115	115698	46.215	ug/ml	95
43) Hexachlorocyclopentadiene	5.924	237	141262	42.973	ug/ml	97
44) 2,4,6-Trichlorophenol	6.020	196	126912	45.557	ug/ml	98
45) 2,4,5-Trichlorophenol	6.047	196	134875	44.156	ug/ml	98
47) 2-Chloronaphthalene	6.175	162	366945	45.740	ug/ml	98
48) 2-Nitroaniline	6.266	138	122339	45.555	ug/ml	94
49) 1,4-Dinitrobenzene	6.378	168	51533	44.664	ug/ml	85
50) 1,3-Dinitrobenzene	6.442	168	60444	46.700	ug/ml	96
51) Dimethyl phthalate	6.437	163	431191	46.460	ug/ml#	98
52) Acenaphthylene	6.512	152	581354	47.707	ug/ml	99
53) 2,6-Dinitrotoluene	6.474	165	94986	47.559	ug/ml	99
54) 1,2-Dinitrobenzene	6.512	168	36824	46.141	ug/ml	97
64) 3-Nitroaniline	6.603	138	106979	43.809	ug/ml	97
65) Acenaphthene	6.656	154	328184	43.059	ug/ml	93
66) 2,4-Dinitrophenol	6.688	184	59747	39.037	ug/ml	98
67) Dibenzofuran	6.800	168	522470	44.144	ug/ml	99
68) 2,4-Dinitrotoluene	6.800	165	133366	46.946	ug/ml	97
69) 4-Nitrophenol	6.758	65	83555	46.816	ug/ml	92
70) 2,3,5,6-Tetrachlorophenol	6.870	232	129323	45.231	ug/ml	98
71) 2,3,4,6-Tetrachlorophenol	6.907	232	126828	43.669	ug/ml	98
72) Diethyl phthalate	7.019	149	445890	46.550	ug/ml	97
73) Fluorene	7.078	166	423917	45.427	ug/ml	95
74) 4-Chlorophenyl phenyl ...	7.089	204	203243	45.448	ug/ml	97

Quantitation Report (QT Reviewed)

Data Path : I:\8270\GCMS5\200401nical\  
 Data File : ABNICVa.d  
 Acq On : 2 Apr 2020 11:51 am  
 Operator : gcms5:ek  
 Sample : CQICV1,32,,ABNICV Lot# 8527  
 Misc : wgl357700,,  
 ALS Vial : 21 Sample Multiplier: 1

Quant Time: Apr 02 12:39:16 2020  
 Quant Method : i:\8270\gcms5\200401nical\FS200401gcms5.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Thu Apr 02 12:31:18 2020  
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\GCMS5\200401nical\ABNL7.d  
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
75) 4-Nitroaniline	7.100	138	115369	45.852	ug/ml	90
76) 4,6-Dinitro-o-cresol	7.126	198	80964	45.686	ug/ml	93
77) NDPA/DPA	7.185	169	351441	45.577	ug/ml	95
78) Azobenzene	7.217	77	389124	46.107	ug/ml#	92
80) 4-Bromophenyl phenyl e...	7.490	248	126148	43.912	ug/ml	94
81) Hexachlorobenzene	7.538	284	145648	43.359	ug/ml#	90
82) Pentachlorophenol	7.703	266	101736	41.007	ug/ml	99
89) Phenanthrene	7.874	178	671679	44.848	ug/ml	100
90) Anthracene	7.917	178	682565	46.008	ug/ml	99
91) Carbazole	8.061	167	642534	45.748	ug/ml	99
92) Di-n-butylphthalate	8.414	149	797404	48.593	ug/ml	99
93) Fluoranthene	8.921	202	829255	45.775	ug/ml#	96
94) Benzidine	9.065	184	563172	47.892	ug/ml#	97
95) Pyrene	9.124	202	860953	45.923	ug/ml	99
97) Butyl benzyl phthalate	9.787	149	388004	48.553	ug/ml#	95
105) Benzo(a)anthracene	10.251	228	833258	43.805	ug/ml	99
106) 3,3'-Dichlorobenzidine	10.251	252	332572	46.205	ug/ml	98
107) Chrysene	10.284	228	793205	43.449	ug/ml	99
108) Bis(2-ethylhexyl)phtha...	10.358	149	572192	49.937	ug/ml#	92
109) Di-n-octylphthalate	10.946	149	1029705	49.401	ug/ml	99
110) Benzo(b)fluoranthene	11.208	252	860970	42.277	ug/ml	99
111) Benzo(k)fluoranthene	11.234	252	841443	47.365	ug/ml	99
112) Benzo(a)pyrene	11.475	252	805999	44.539	ug/ml	98
114) Indeno(1,2,3-cd)pyrene	12.367	276	864011M3	42.804	ug/mL	
115) Dibenzo(a,h)anthracene	12.388	278	801324	44.961	ug/ml	99
116) Benzo(ghi)perylene	12.591	276	905102	45.772	ug/ml	98

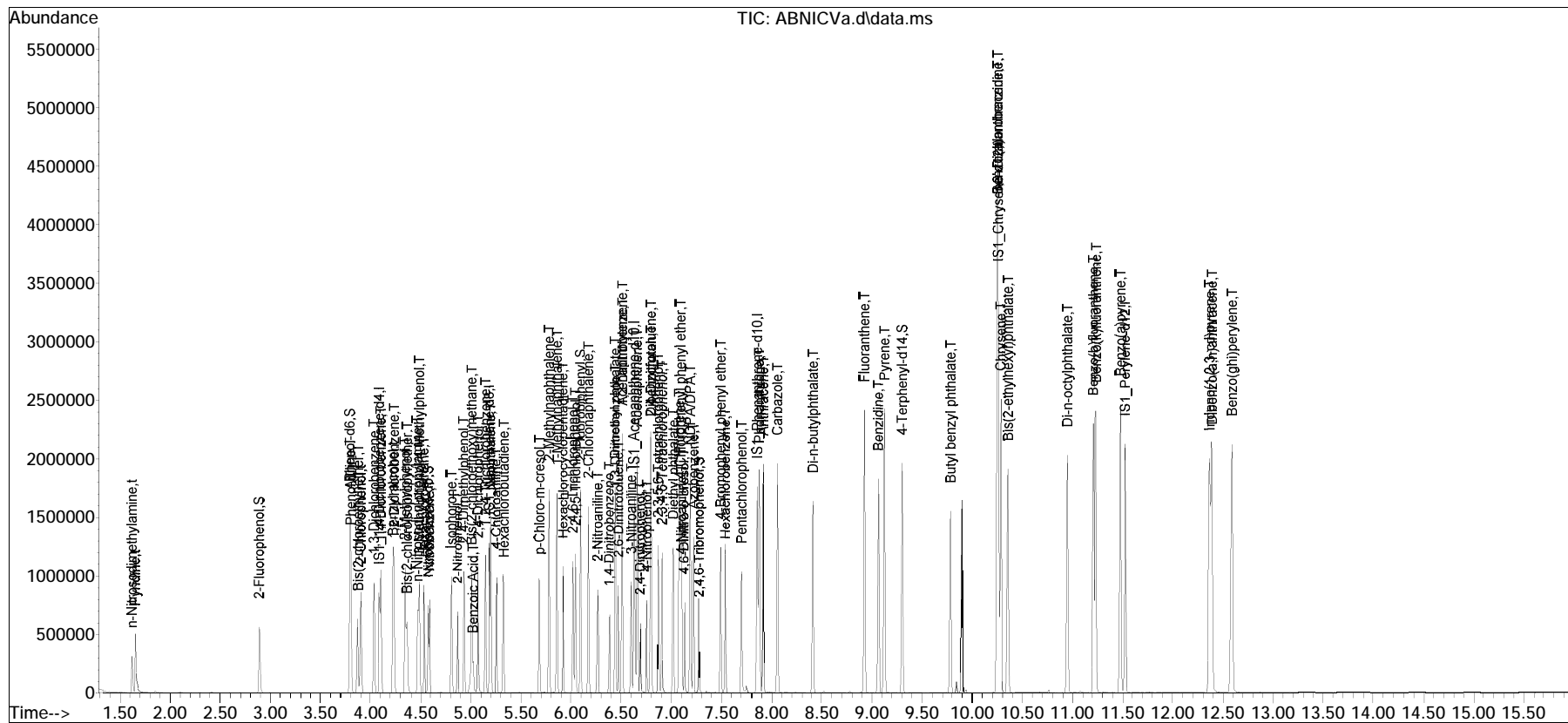
(#) = qualifier out of range (m) = manual integration (+) = signals summed

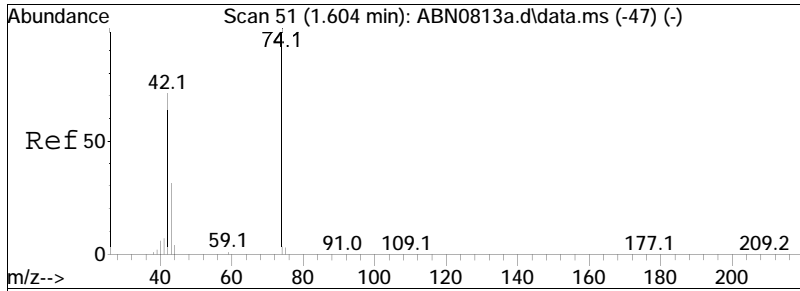
Quantitation Report (QT Reviewed)

Data Path : I:\8270\GCMS5\200401nical\  
 Data File : ABNICVa.d  
 Acq On : 2 Apr 2020 11:51 am  
 Operator : gcms5:ek  
 Sample : CQICV1,32,,ABNICV Lot# 8527  
 Misc : wg1357700,,  
 ALS Vial : 21 Sample Multiplier: 1

Quant Time: Apr 02 12:39:16 2020  
 Quant Method : i:\8270\gcms5\200401nical\FS200401gcms5.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Thu Apr 02 12:31:18 2020  
 Response via : Initial Calibration

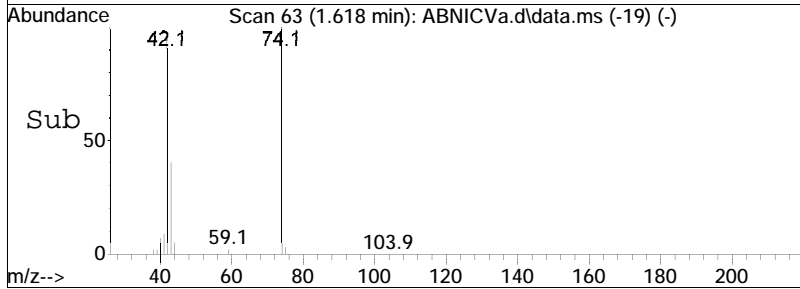
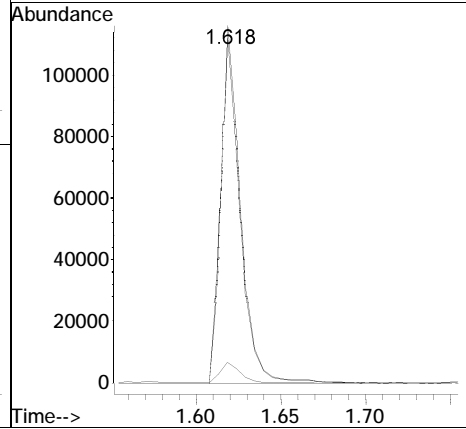
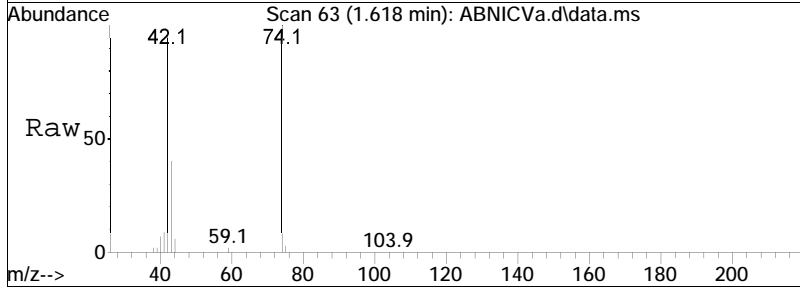
Sub List : ABNical - ABN ical sublistcal\ABNL7.d•

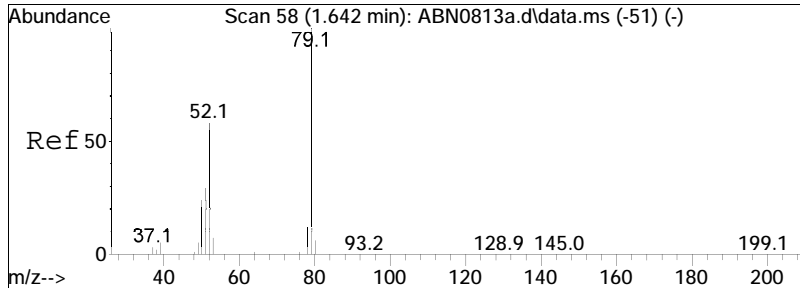




#2  
 n-Nitrosodimethylamine  
 Concen: 45.22 ug/ml  
 RT: 1.618 min Scan# 63  
 Delta R.T. -0.016 min  
 Lab File: ABNICVa.d  
 Acq: 2 Apr 2020 11:51 am

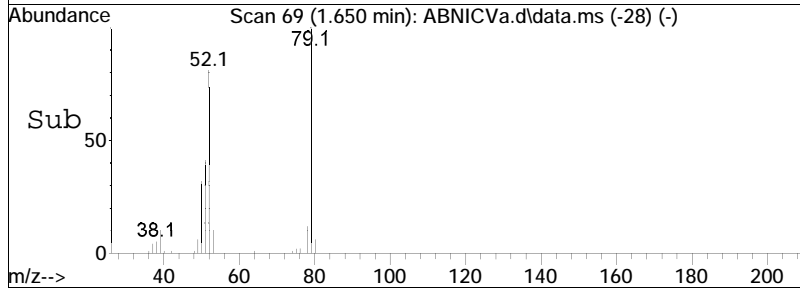
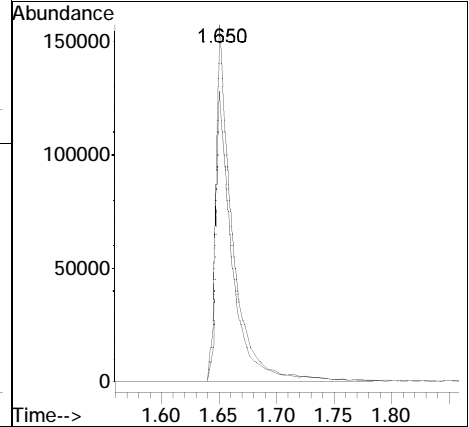
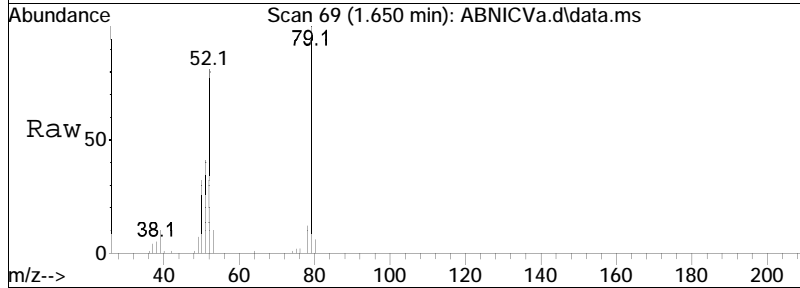
Tgt Ion	74	Resp	91835
Ion Ratio	Lower	Upper	
74	100		
42	96.7	69.4	104.2
44	5.6	3.5	5.3#

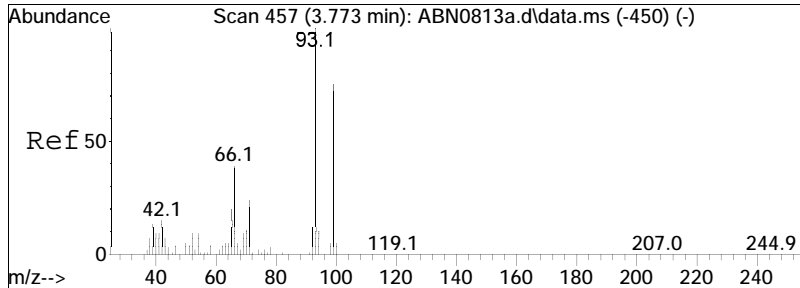




#3  
 Pyridine  
 Concen: 42.53 ug/ml  
 RT: 1.650 min Scan# 69  
 Delta R.T. -0.032 min  
 Lab File: ABNICVa.d  
 Acq: 2 Apr 2020 11:51 am

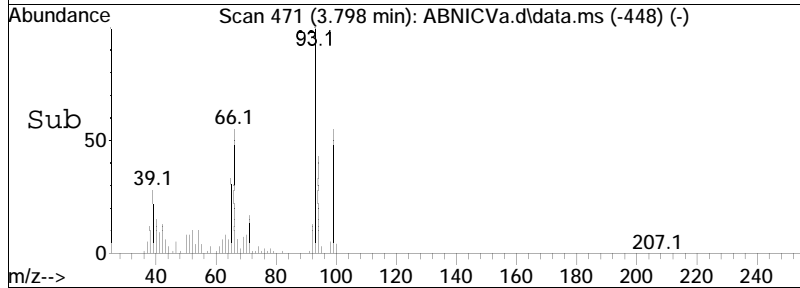
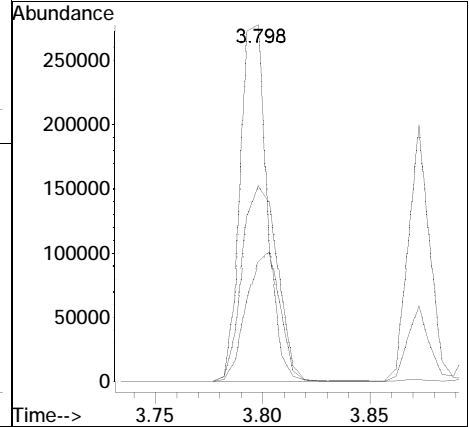
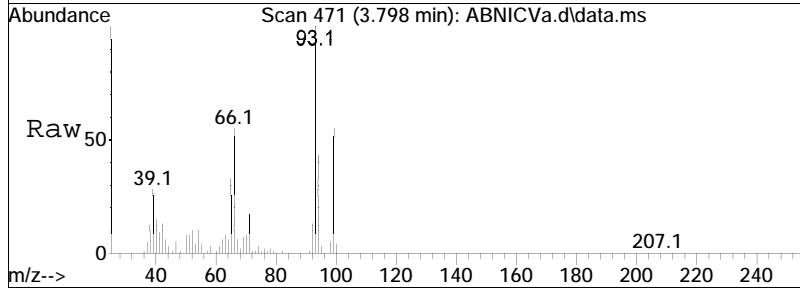
Tgt Ion:	79	Resp:	151736
Ion Ratio	Lower	Upper	
79	100		
52	84.8	56.6	85.0

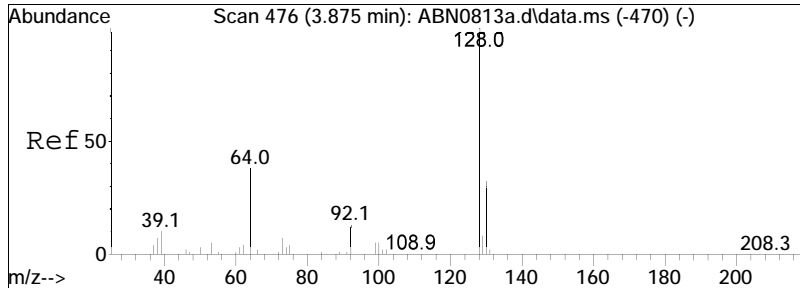




#5  
 Aniline  
 Concen: 47.19 ug/ml  
 RT: 3.798 min Scan# 471  
 Delta R.T. -0.000 min  
 Lab File: ABNICVa.d  
 Acq: 2 Apr 2020 11:51 am

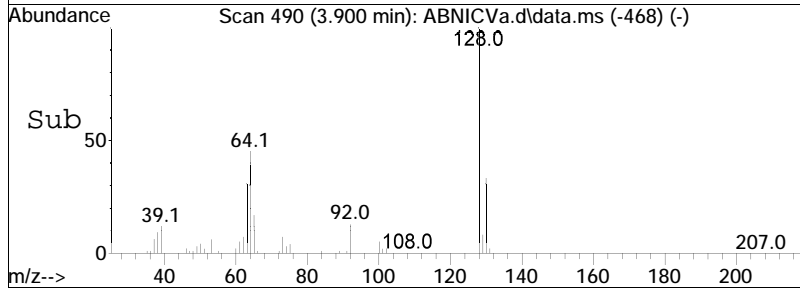
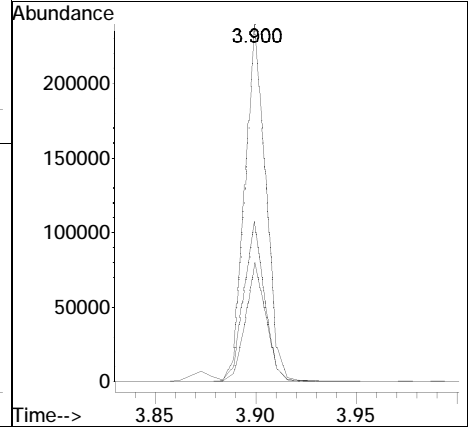
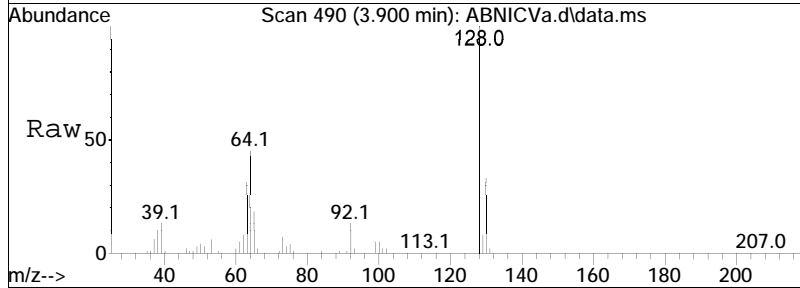
Tgt Ion	Resp	Lower	Upper
93	242768		
66	72.1	53.5	80.3
65	45.2	34.4	51.6

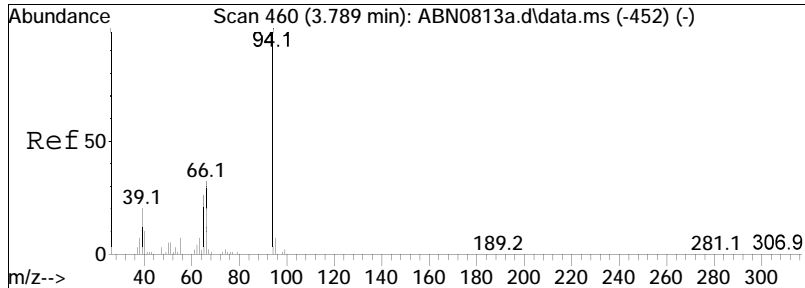




#6  
 2-Chlorophenol  
 Concen: 46.74 ug/ml  
 RT: 3.900 min Scan# 490  
 Delta R.T. -0.006 min  
 Lab File: ABNICVa.d  
 Acq: 2 Apr 2020 11:51 am

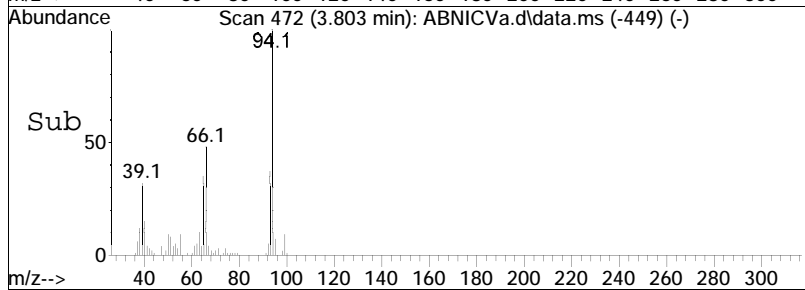
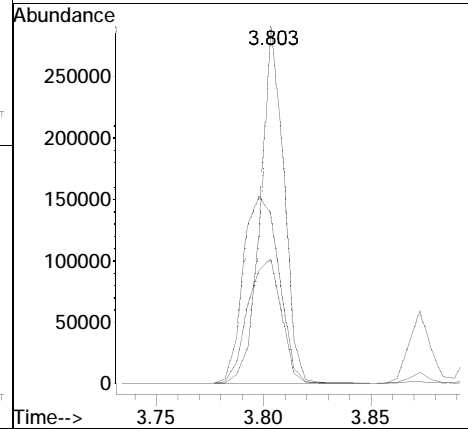
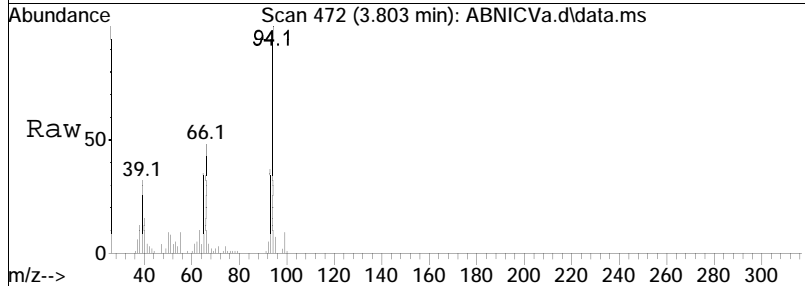
Tgt Ion	Ratio	Lower	Upper
128	100		
64	44.5	33.5	50.3
130	32.7	25.9	38.9



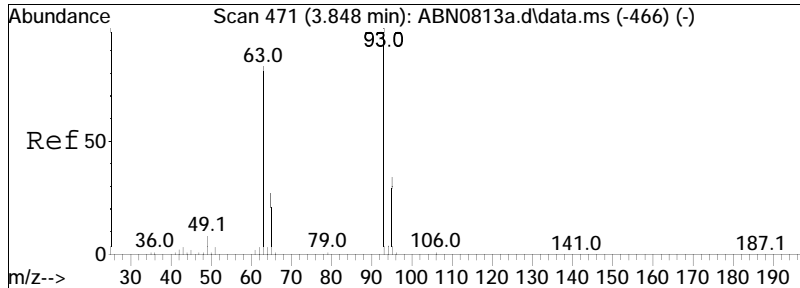


#8  
 Phenol  
 Concen: 46.39 ug/ml  
 RT: 3.803 min Scan# 472  
 Delta R.T. -0.000 min  
 Lab File: ABNICVa.d  
 Acq: 2 Apr 2020 11:51 am

Tgt Ion:	94	Resp:	218899
Ion Ratio	Lower	Upper	
94	100		
65	50.1	38.8	58.2
66	80.0	60.3	90.5

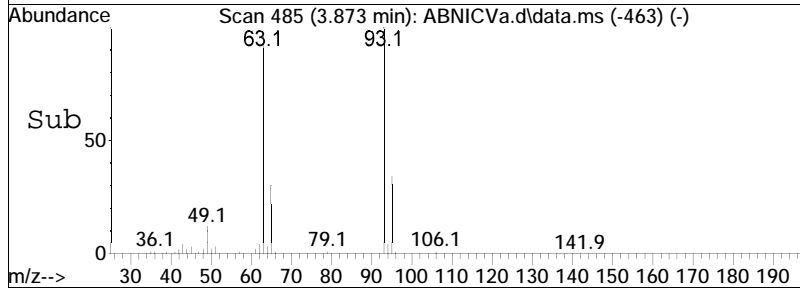
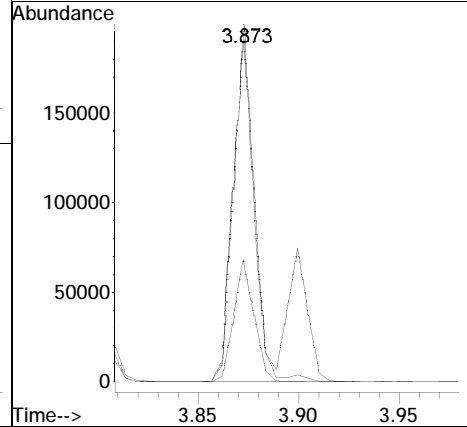
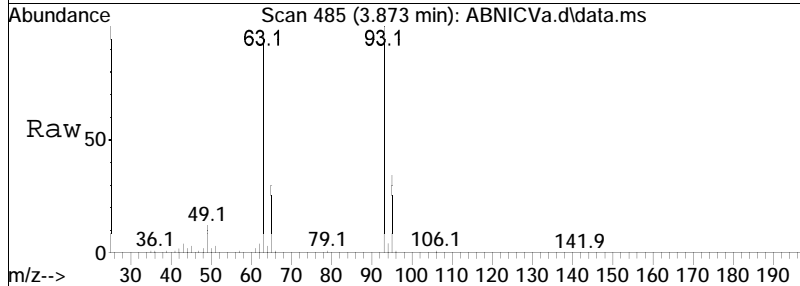


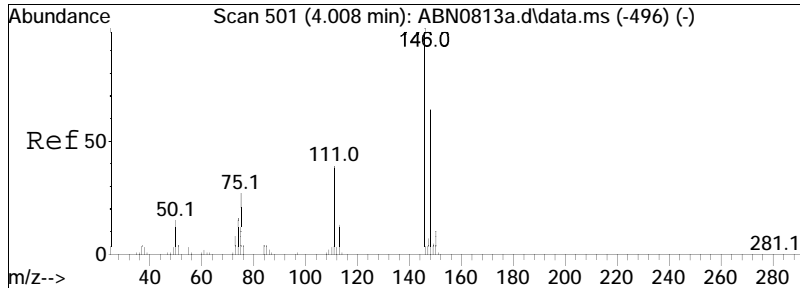




#9  
 Bis(2-chloroethyl)ether  
 Concen: 46.34 ug/ml  
 RT: 3.873 min Scan# 485  
 Delta R.T. -0.006 min  
 Lab File: ABNICVa.d  
 Acq: 2 Apr 2020 11:51 am

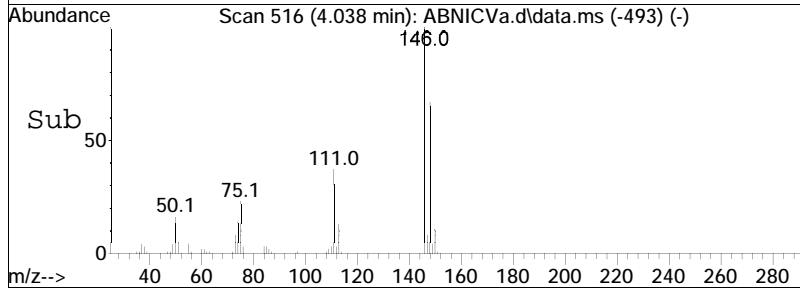
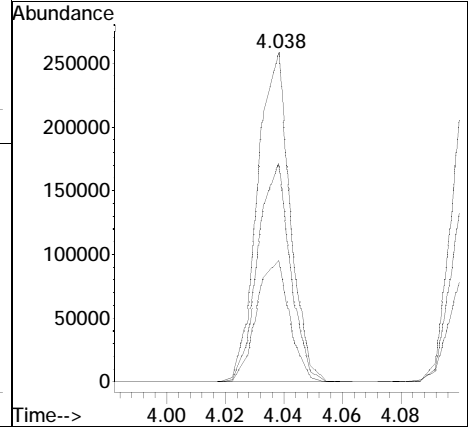
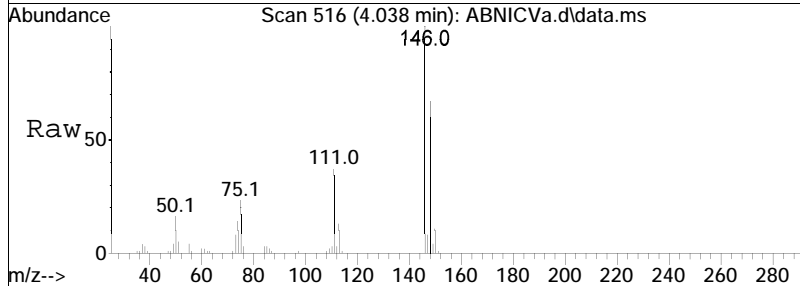
Tgt Ion	Resp	Lower	Upper
93	140725		
Ion Ratio			
93	100		
63	96.9	63.0	94.6#
95	33.9	26.3	39.5

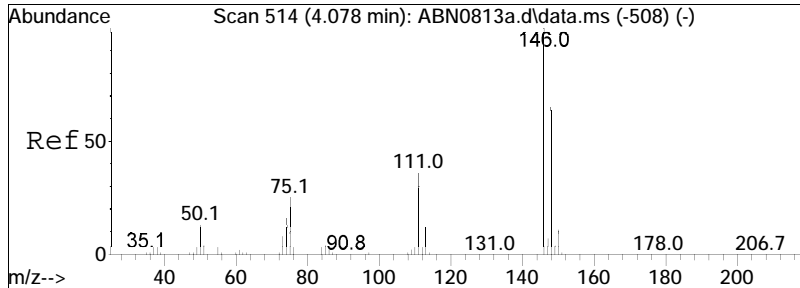




#10  
 1,3-Dichlorobenzene  
 Concen: 46.46 ug/ml  
 RT: 4.038 min Scan# 516  
 Delta R.T. -0.000 min  
 Lab File: ABNICVa.d  
 Acq: 2 Apr 2020 11:51 am

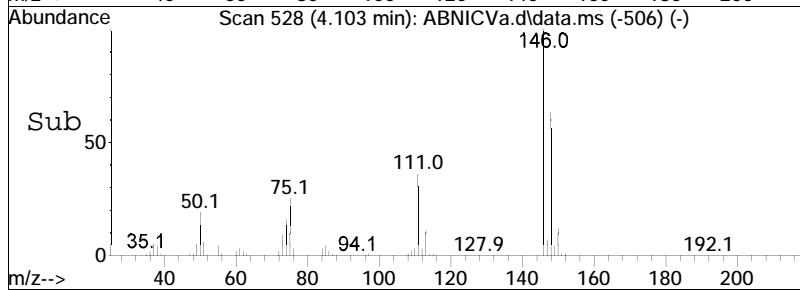
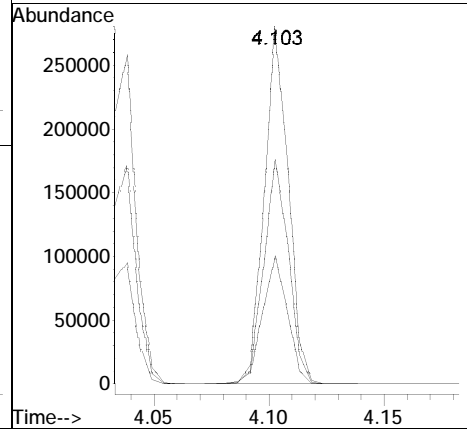
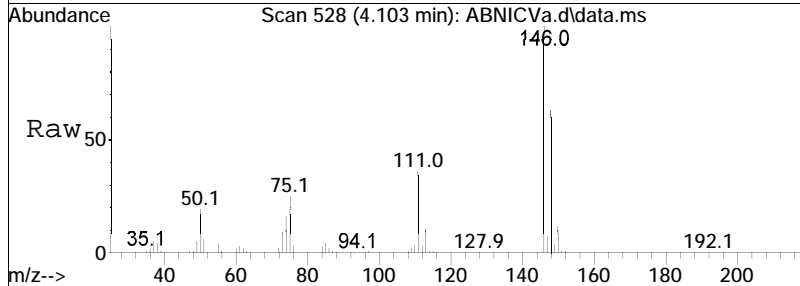
Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.3	30.0	45.0
148	66.0	52.6	78.8

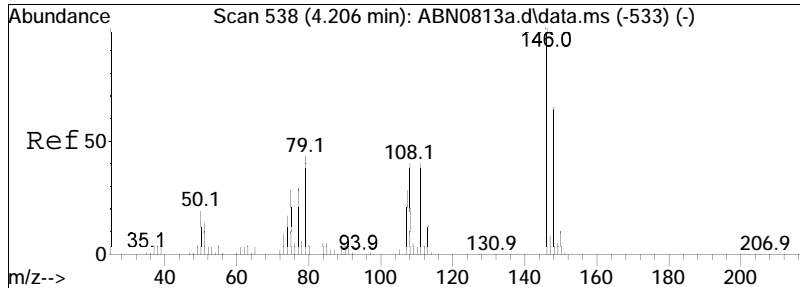




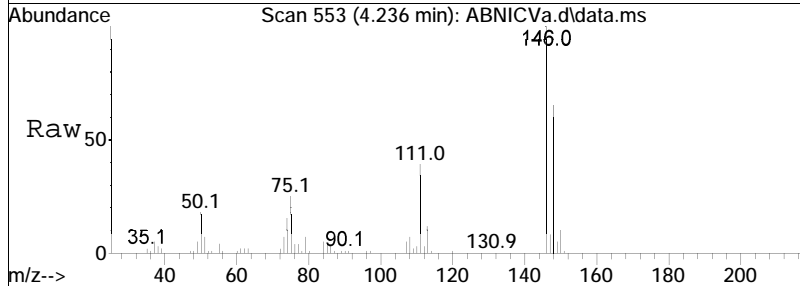
#11  
 1,4-Dichlorobenzene  
 Concen: 45.54 ug/ml  
 RT: 4.103 min Scan# 528  
 Delta R.T. -0.005 min  
 Lab File: ABNICVa.d  
 Acq: 2 Apr 2020 11:51 am

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.6	52.3	78.5
111	37.2	29.2	43.8

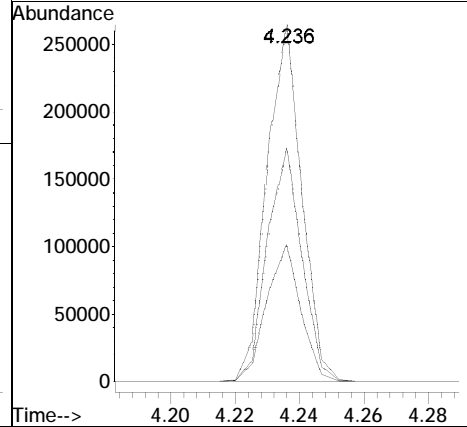
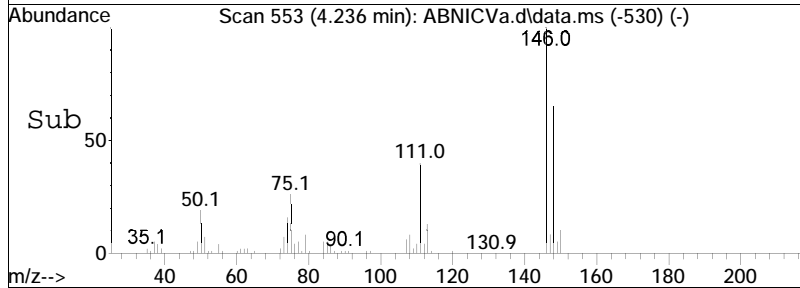


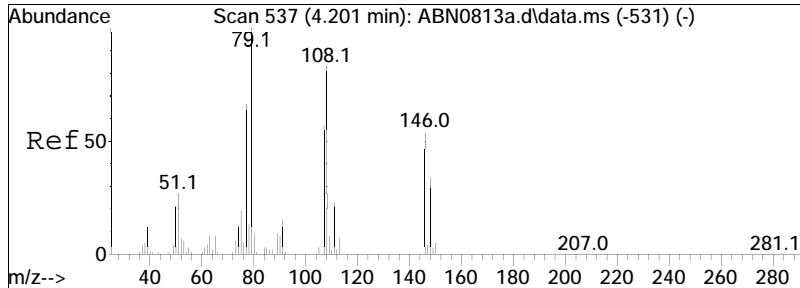


#12  
 1,2-Dichlorobenzene  
 Concen: 45.72 ug/ml  
 RT: 4.236 min Scan# 553  
 Delta R.T. -0.000 min  
 Lab File: ABNICVa.d  
 Acq: 2 Apr 2020 11:51 am



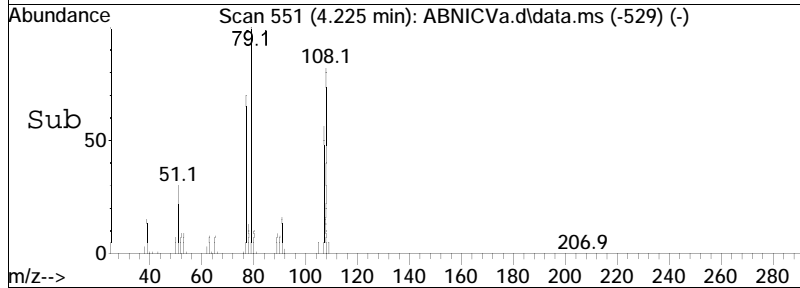
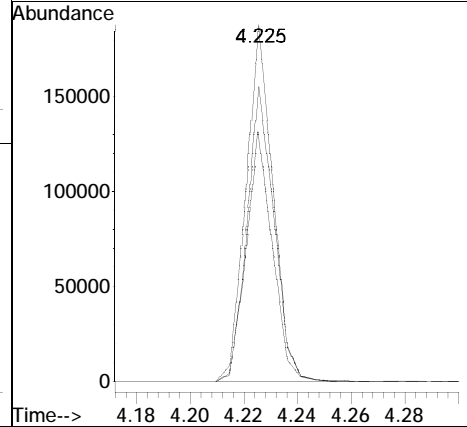
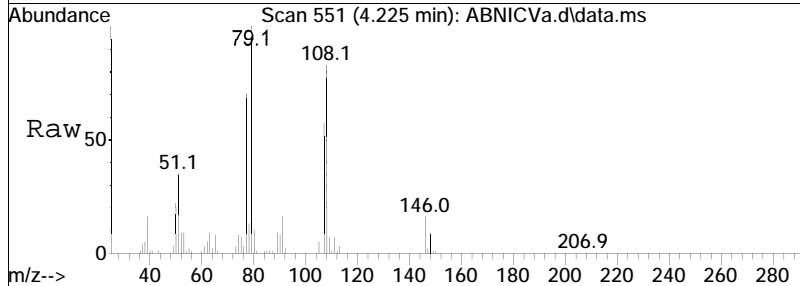
Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.9	30.3	45.5
148	64.9	51.8	77.8

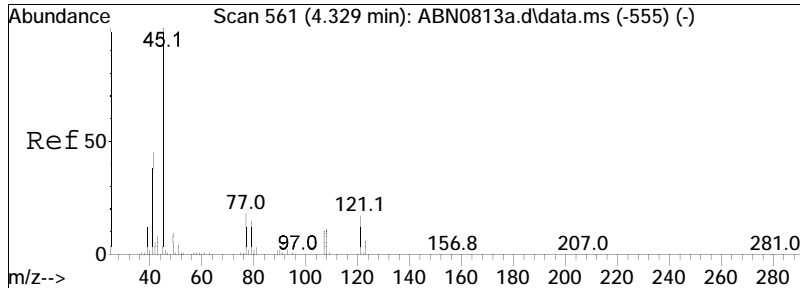




#13  
 Benzyl alcohol  
 Concen: 48.88 ug/ml  
 RT: 4.225 min Scan# 551  
 Delta R.T. -0.006 min  
 Lab File: ABNICVa.d  
 Acq: 2 Apr 2020 11:51 am

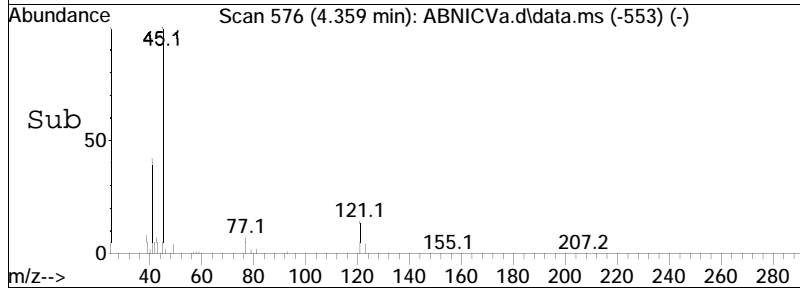
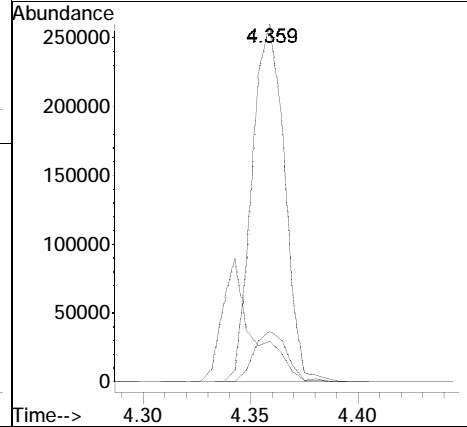
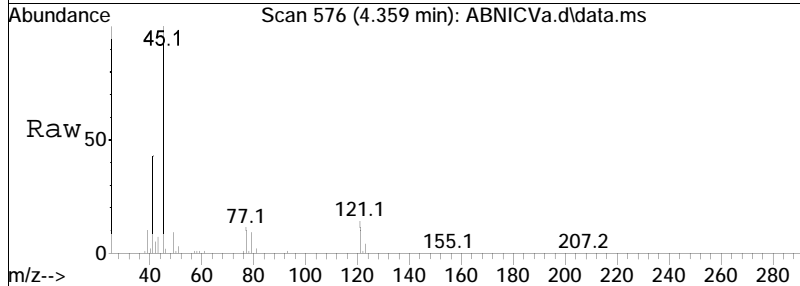
Tgt Ion:	79	Resp:	130605
Ion Ratio	Lower	Upper	
79	100		
77	68.8	54.6	81.8
108	83.0	65.1	97.7

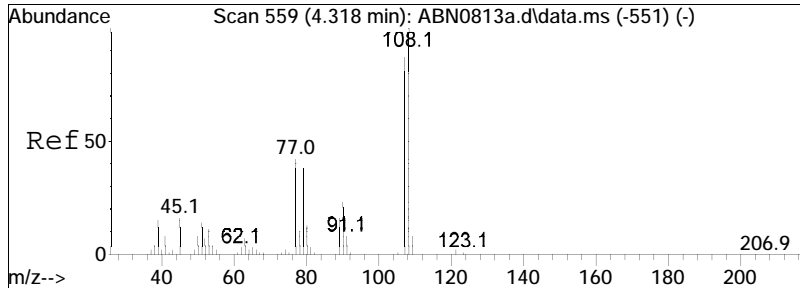




#14  
 Bis(2-chloroisopropyl) ether  
 Concen: 47.52 ug/ml  
 RT: 4.359 min Scan# 576  
 Delta R.T. -0.000 min  
 Lab File: ABNICVa.d  
 Acq: 2 Apr 2020 11:51 am

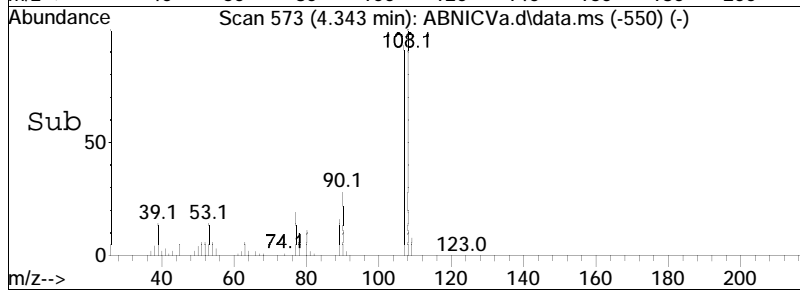
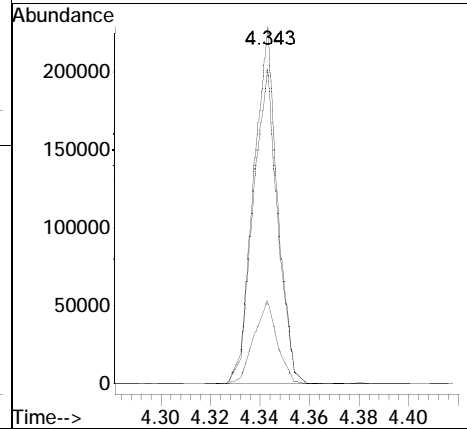
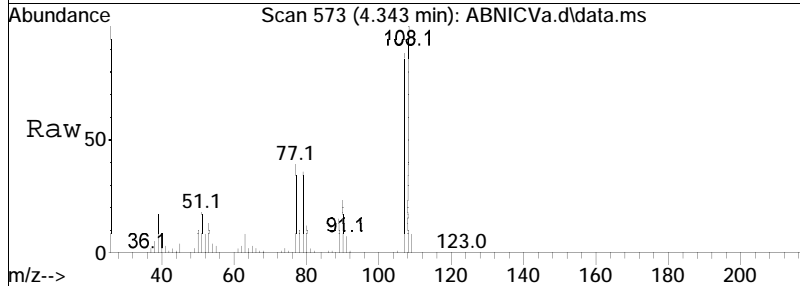
Tgt Ion:	45	Resp:	270515
Ion Ratio	Lower	Upper	
45	100		
121	14.3	16.0	24.0#
77	33.5	32.1	48.1

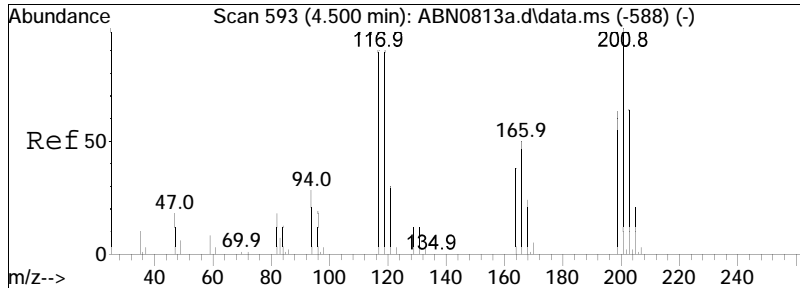




#15  
 2-Methylphenol  
 Concen: 48.68 ug/ml  
 RT: 4.343 min Scan# 573  
 Delta R.T. -0.000 min  
 Lab File: ABNICVa.d  
 Acq: 2 Apr 2020 11:51 am

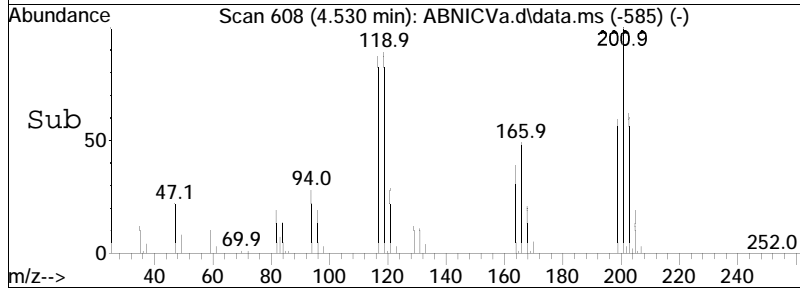
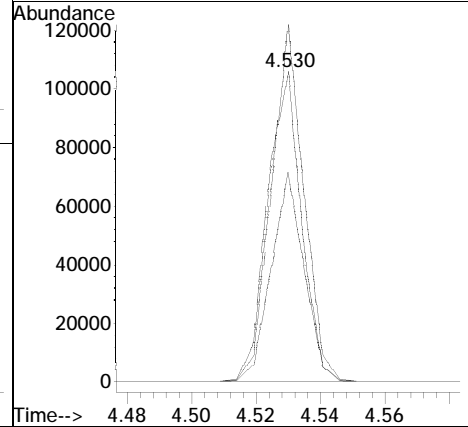
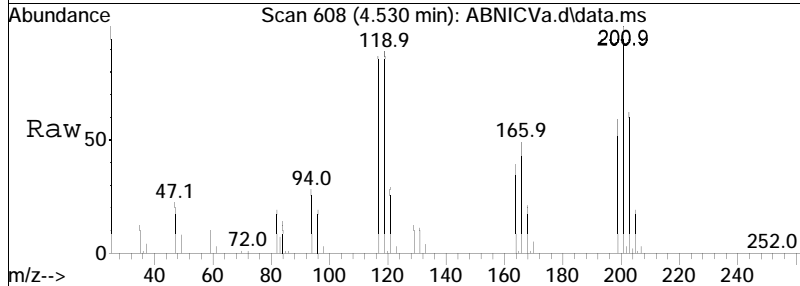
Tgt Ion	Ratio	Lower	Upper
108	100		
107	90.2	70.3	105.5
90	22.9	18.7	28.1



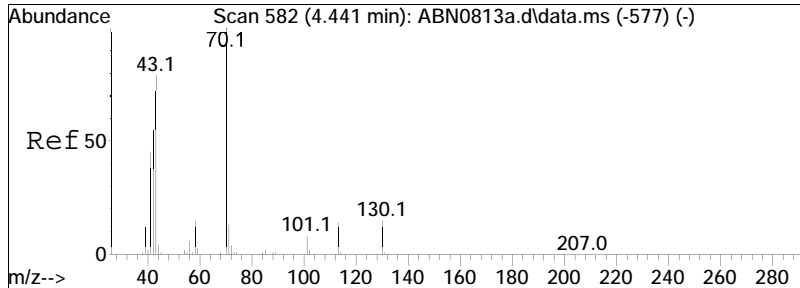


#16  
 Hexachloroethane  
 Concen: 44.38 ug/ml  
 RT: 4.530 min Scan# 608  
 Delta R.T. -0.000 min  
 Lab File: ABNICVa.d  
 Acq: 2 Apr 2020 11:51 am

Tgt Ion	Resp	Lower	Upper
117	76998		
117	100		
201	110.1	73.4	110.0#
199	65.3	45.9	68.9

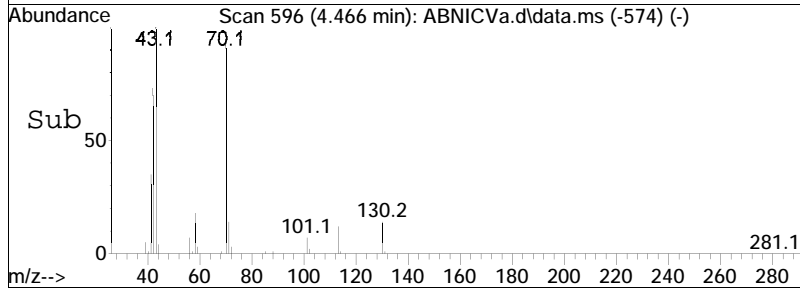
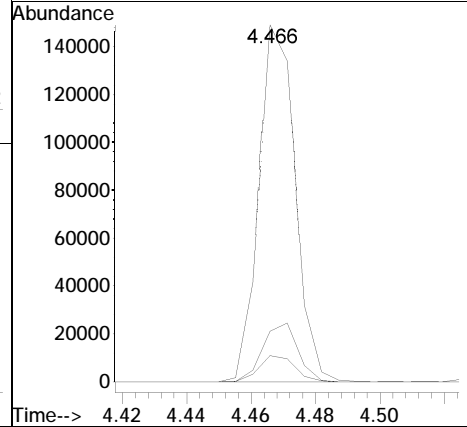
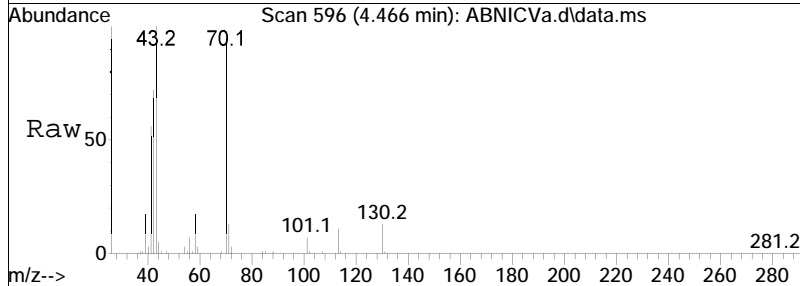


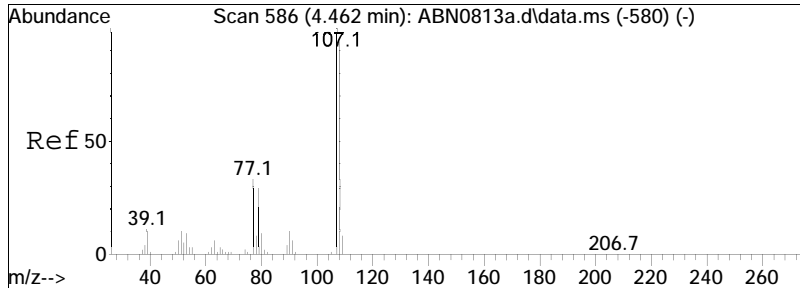




#17  
 n-Nitrosodi-n-propylamine  
 Concen: 49.35 ug/ml  
 RT: 4.466 min Scan# 596  
 Delta R.T. -0.006 min  
 Lab File: ABNICVa.d  
 Acq: 2 Apr 2020 11:51 am

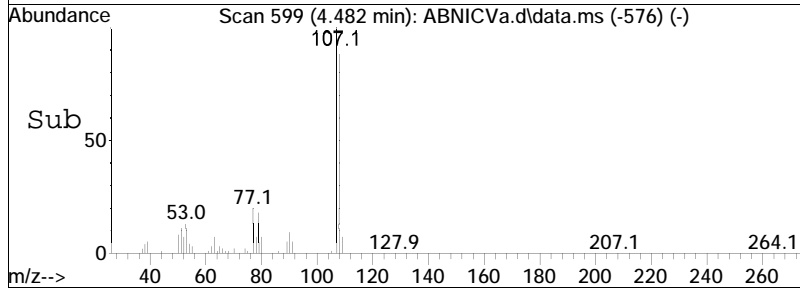
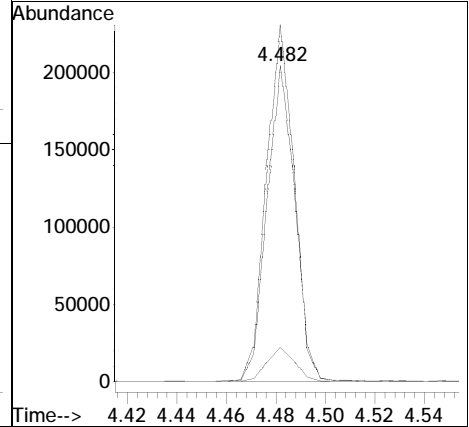
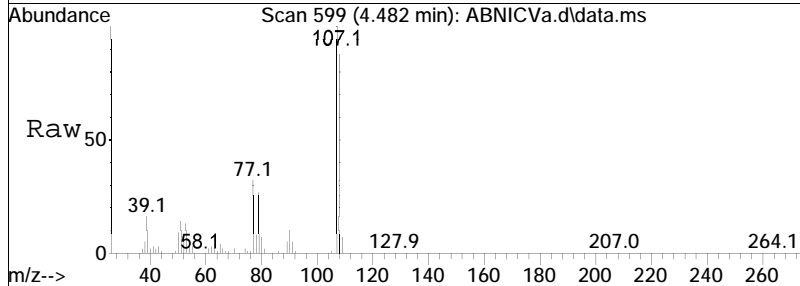
Tgt Ion	Resp	Lower	Upper
70	116446		
130	16.0	17.1	25.7#
101	7.4	7.0	10.4

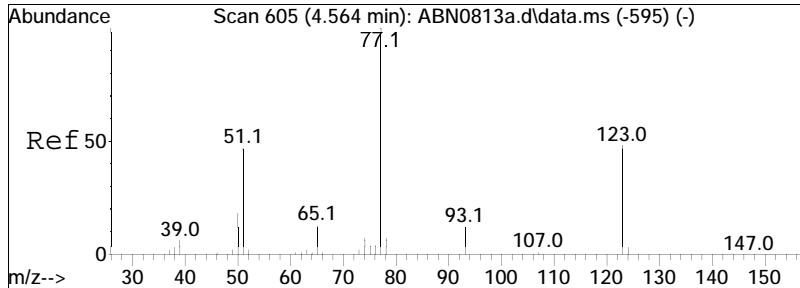




#18  
 3-Methylphenol/4-Methylphenol  
 Concen: 47.17 ug/ml  
 RT: 4.482 min Scan# 599  
 Delta R.T. -0.000 min  
 Lab File: ABNICVa.d  
 Acq: 2 Apr 2020 11:51 am

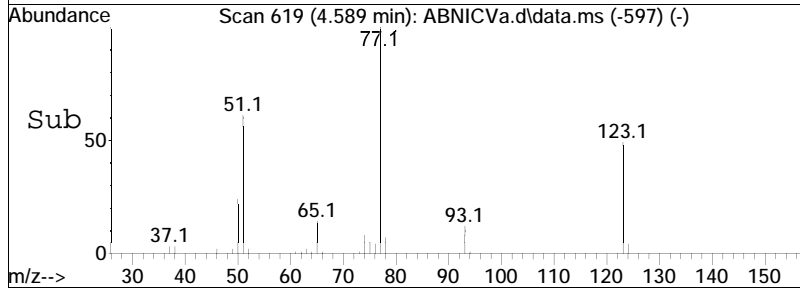
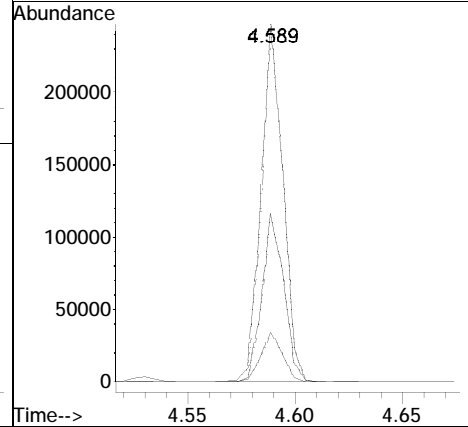
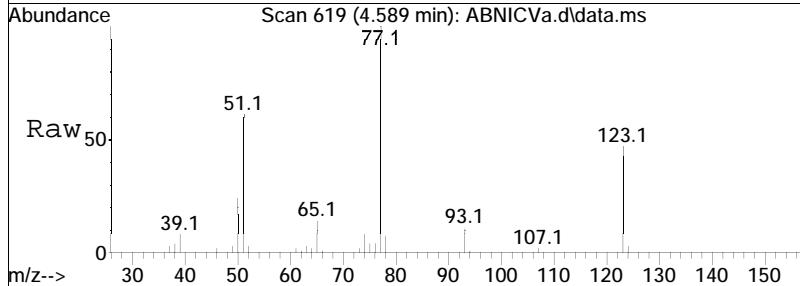
Tgt Ion	Resp	Lower	Upper
108	159904		
108	100		
107	112.2	88.2	132.2
90	10.8	8.5	12.7

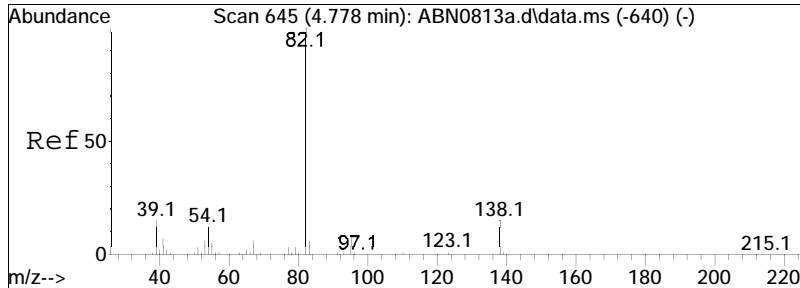




#20  
 Nitrobenzene  
 Concen: 47.79 ug/ml  
 RT: 4.589 min Scan# 619  
 Delta R.T. -0.006 min  
 Lab File: ABNICVa.d  
 Acq: 2 Apr 2020 11:51 am

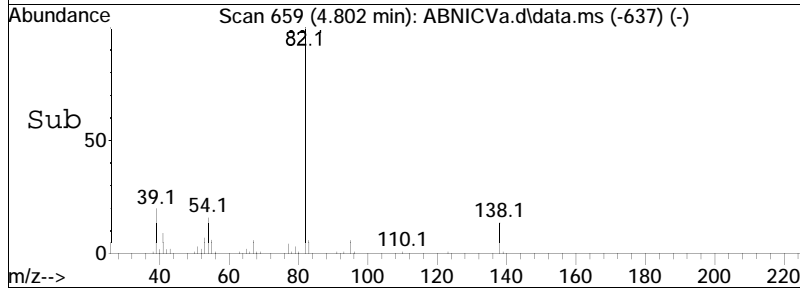
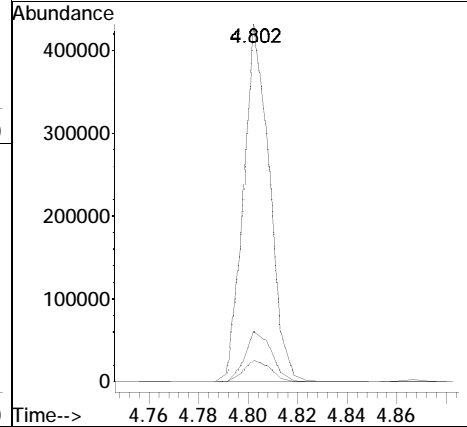
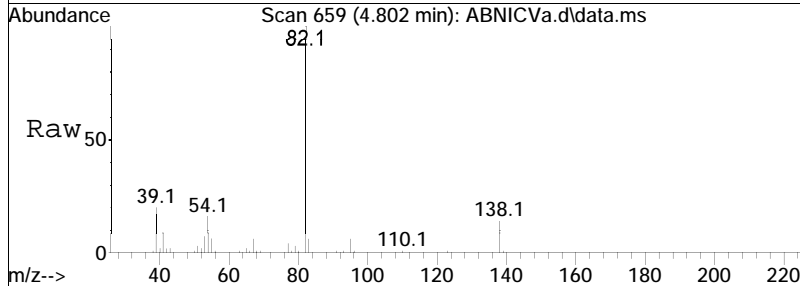
Tgt Ion	Resp	Lower	Upper
77	100		
123	47.1	39.5	59.3
65	13.9	11.0	16.6

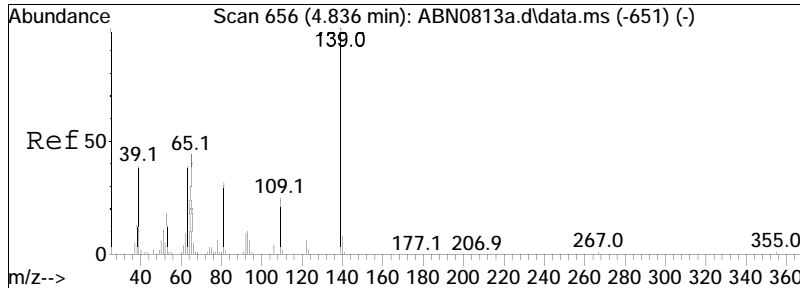




#21  
 Isophorone  
 Concen: 49.91 ug/ml  
 RT: 4.802 min Scan# 659  
 Delta R.T. -0.005 min  
 Lab File: ABNICVa.d  
 Acq: 2 Apr 2020 11:51 am

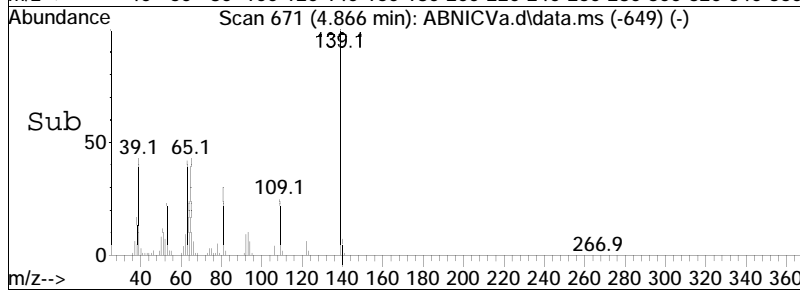
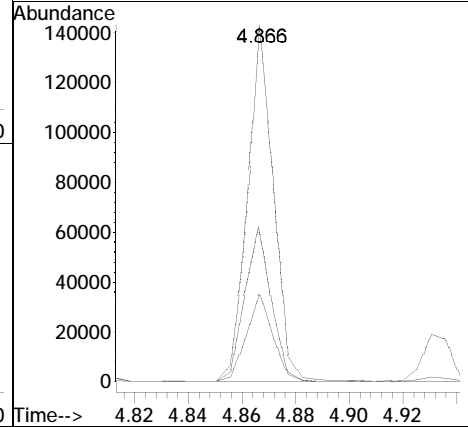
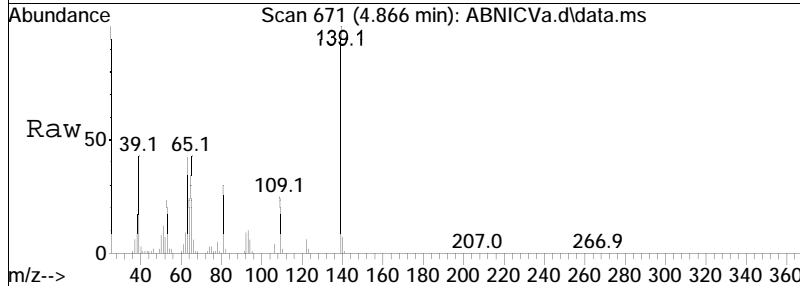
Tgt Ion:	82	Resp:	310746
Ion Ratio	Lower	Upper	
82	100		
138	14.6	13.9	20.9
95	6.4	5.1	7.7

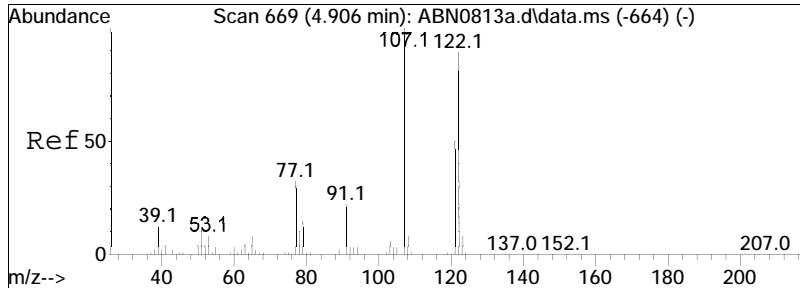




#22  
 2-Nitrophenol  
 Concen: 46.19 ug/ml  
 RT: 4.866 min Scan# 671  
 Delta R.T. -0.006 min  
 Lab File: ABNICVa.d  
 Acq: 2 Apr 2020 11:51 am

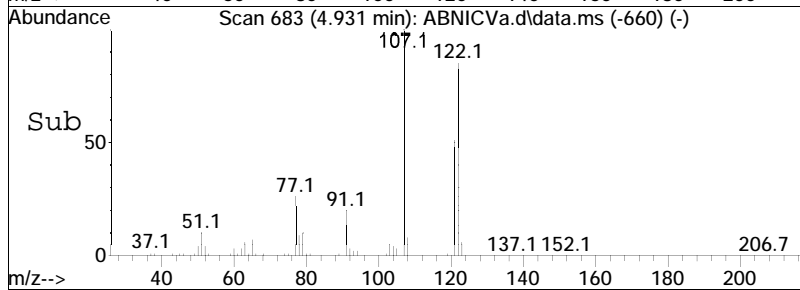
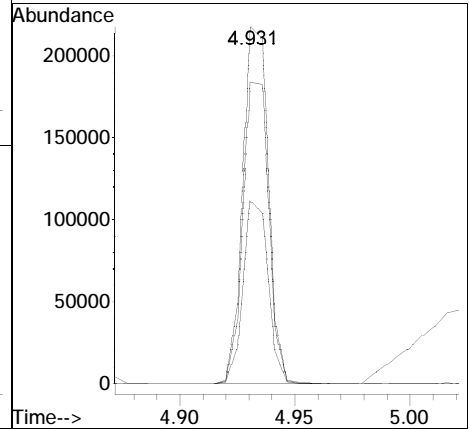
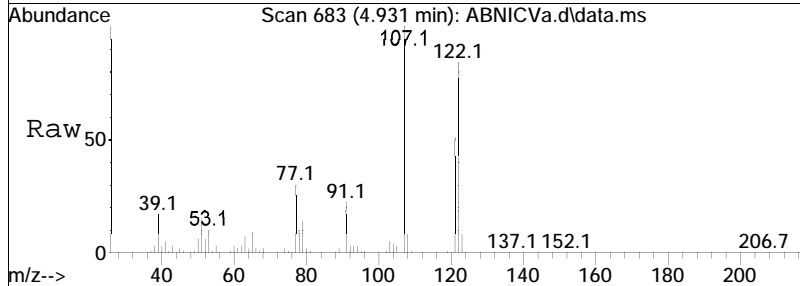
Tgt Ion	Ratio	Lower	Upper
139	100		
109	25.2	17.2	25.8
65	44.7	33.8	50.6

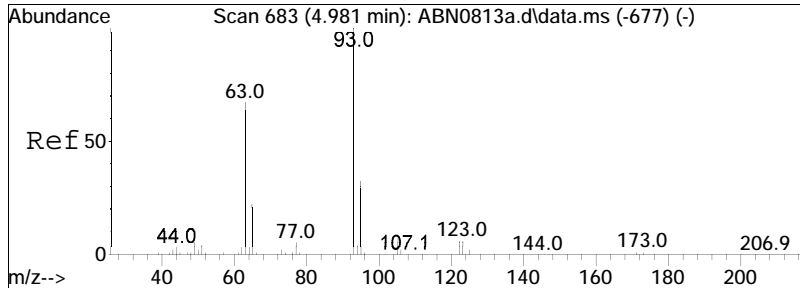




#23  
 2,4-Dimethylphenol  
 Concen: 50.75 ug/ml  
 RT: 4.931 min Scan# 683  
 Delta R.T. -0.000 min  
 Lab File: ABNICVa.d  
 Acq: 2 Apr 2020 11:51 am

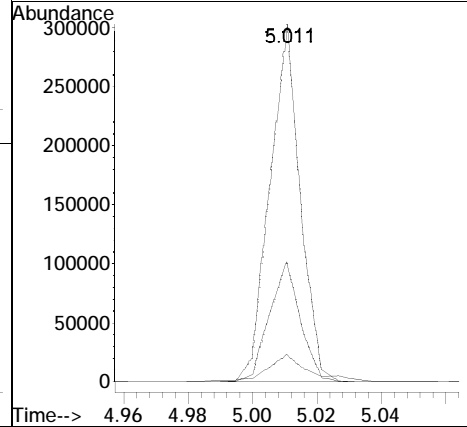
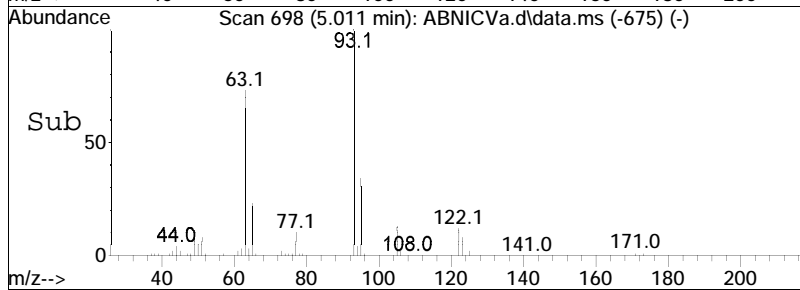
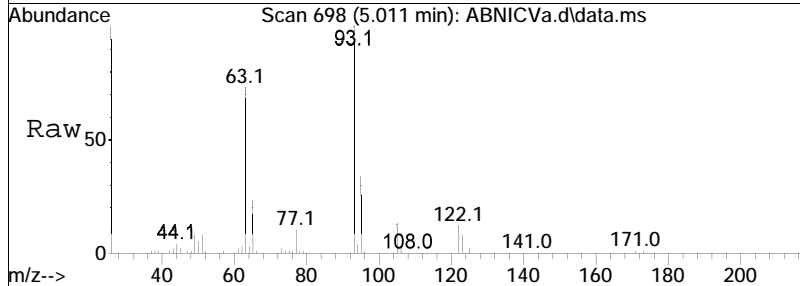
Tgt Ion	Resp	Lower	Upper
107	100		
121	50.1	41.2	61.8
122	84.9	72.5	108.7

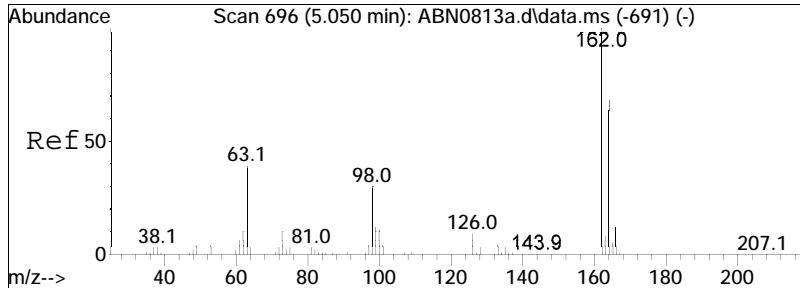




#24  
 Bis(2-chloroethoxy)methane  
 Concen: 48.13 ug/ml  
 RT: 5.011 min Scan# 698  
 Delta R.T. -0.000 min  
 Lab File: ABNICVa.d  
 Acq: 2 Apr 2020 11:51 am

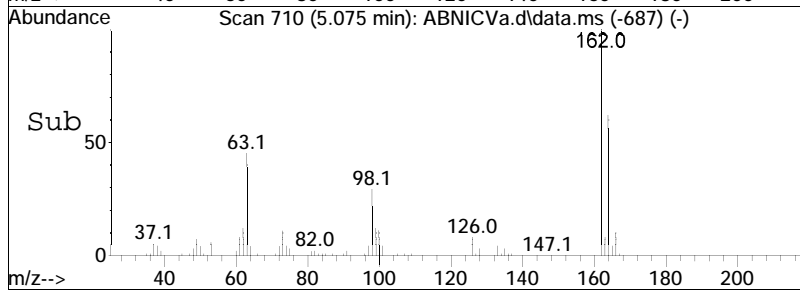
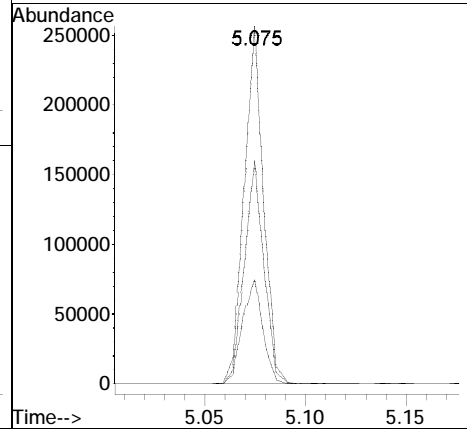
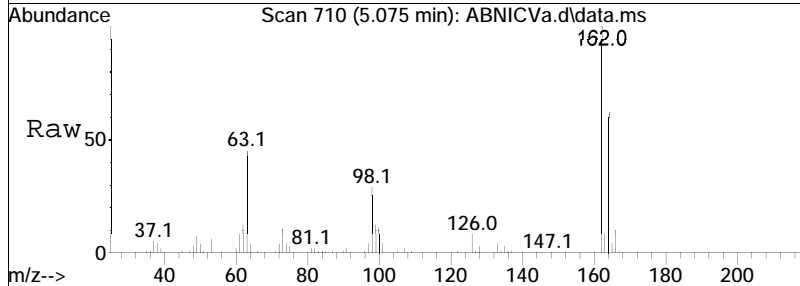
Tgt Ion:	Resp:		
Ion Ratio	Lower	Upper	
93	100		
95	34.2	26.8	40.2
123	10.5	8.7	13.1



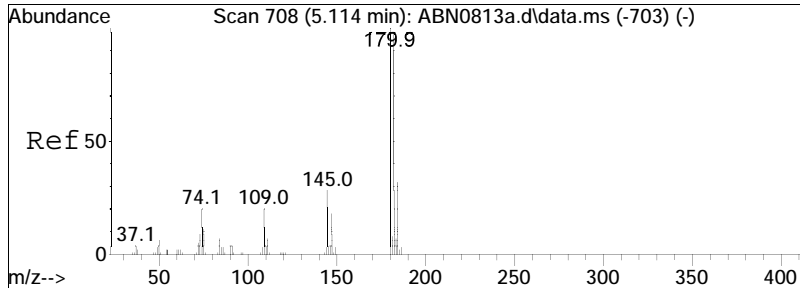


#25  
 2,4-Dichlorophenol  
 Concen: 48.43 ug/ml  
 RT: 5.075 min Scan# 710  
 Delta R.T. -0.000 min  
 Lab File: ABNICVa.d  
 Acq: 2 Apr 2020 11:51 am

Tgt Ion	Resp	Lower	Upper
162	100		
164	63.2	51.8	77.8
98	31.0	25.0	37.4

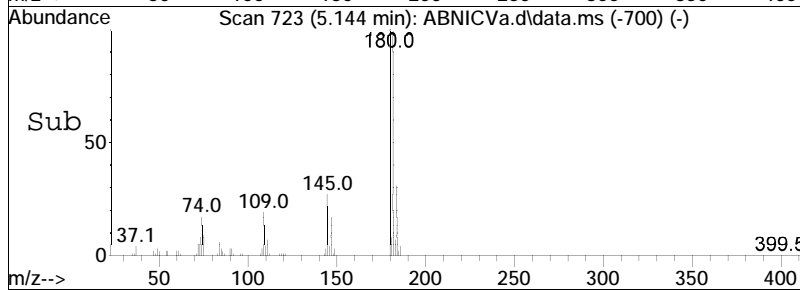
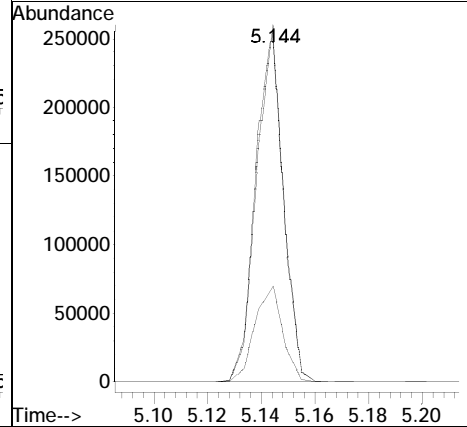
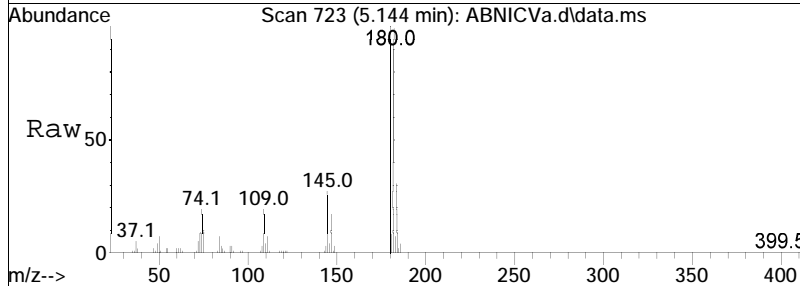


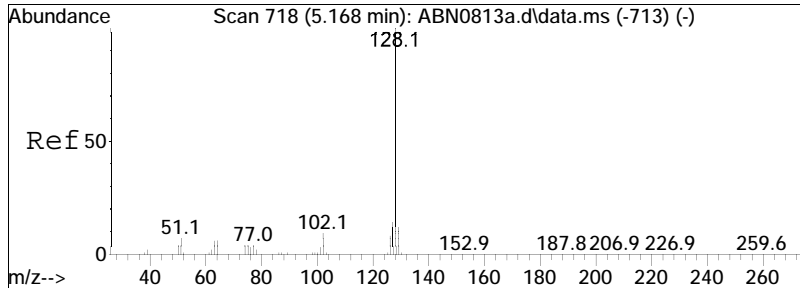




#26  
 1,2,4-Trichlorobenzene  
 Concen: 44.94 ug/ml  
 RT: 5.144 min Scan# 723  
 Delta R.T. -0.000 min  
 Lab File: ABNICVa.d  
 Acq: 2 Apr 2020 11:51 am

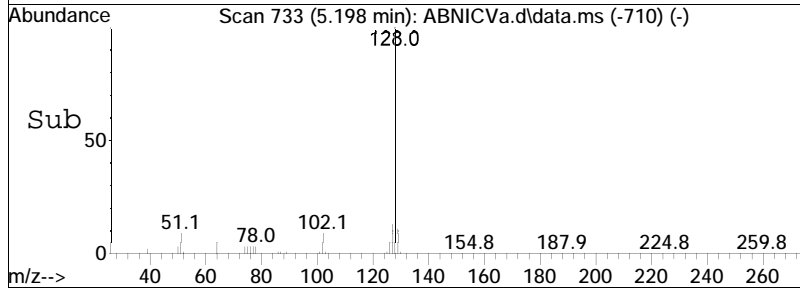
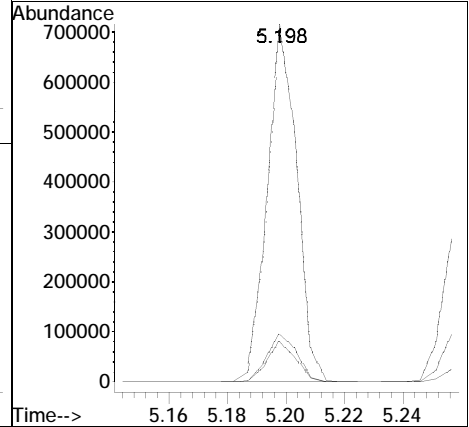
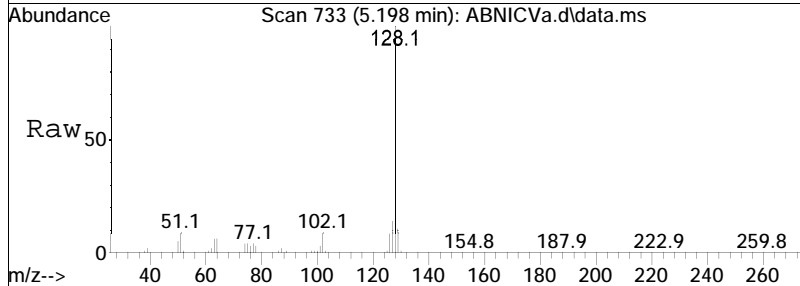
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	77.5	116.3
145	27.4	22.2	33.2

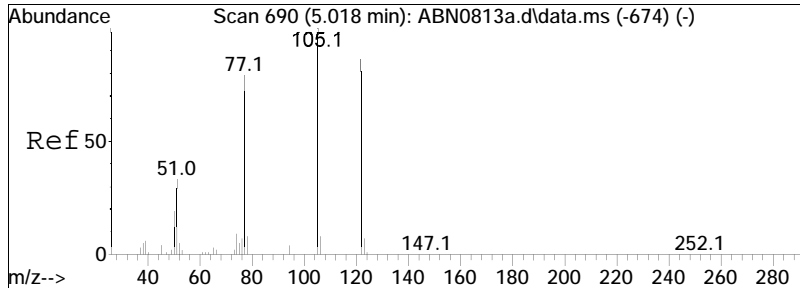




#36  
 Naphthalene  
 Concen: 45.07 ug/ml  
 RT: 5.198 min Scan# 733  
 Delta R.T. -0.000 min  
 Lab File: ABNICVa.d  
 Acq: 2 Apr 2020 11:51 am

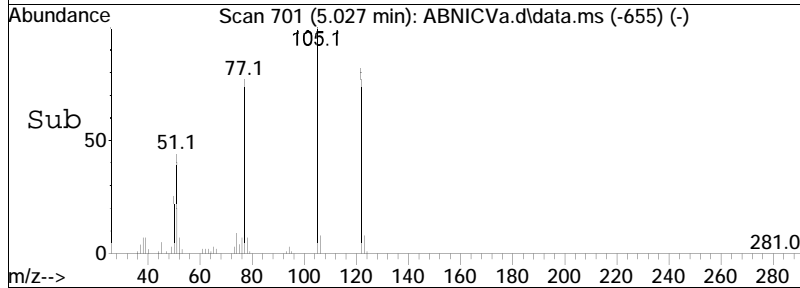
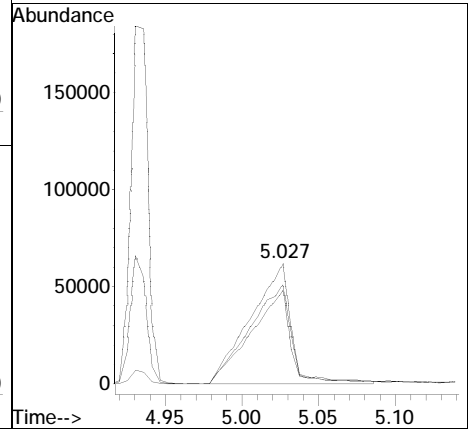
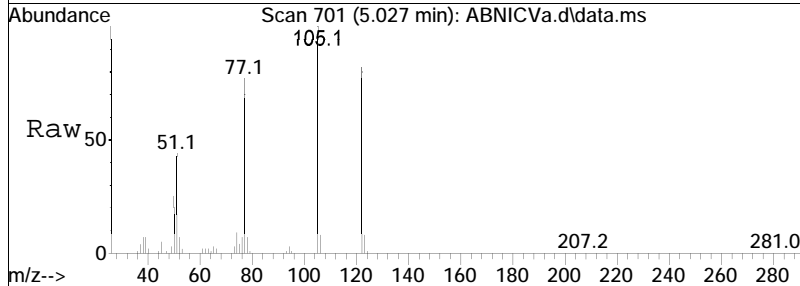
Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.1	9.0	13.6
127	13.8	11.3	16.9

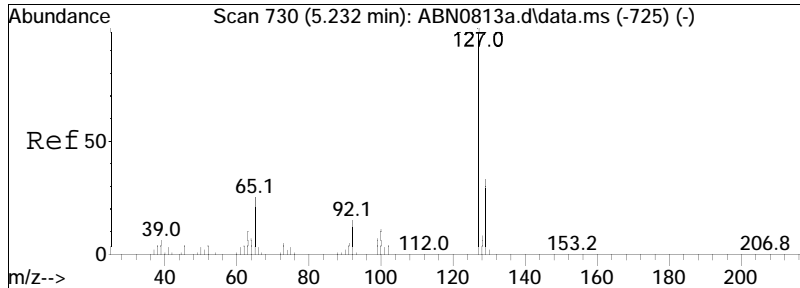




#37  
 Benzoic Acid  
 Concen: 41.94 ug/ml  
 RT: 5.027 min Scan# 701  
 Delta R.T. -0.004 min  
 Lab File: ABNICVa.d  
 Acq: 2 Apr 2020 11:51 am

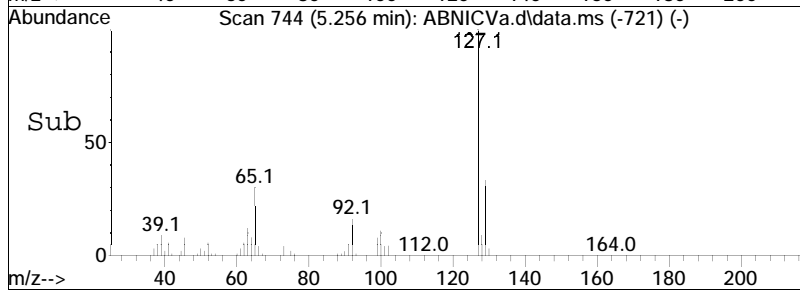
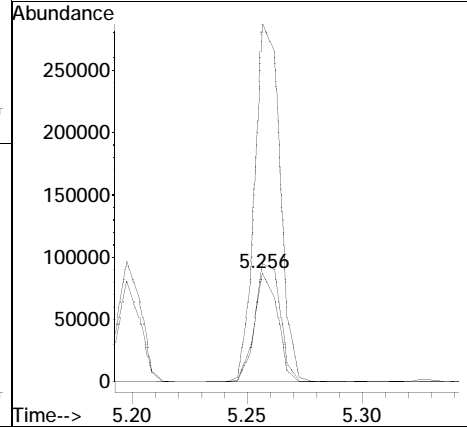
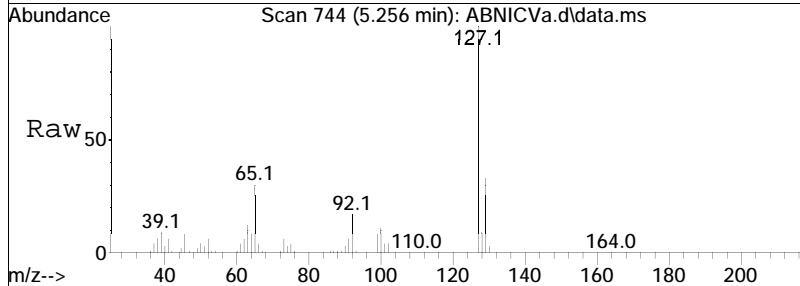
Tgt Ion	Resp	Lower	Upper
105	114669		
105	100		
122	88.5	2158.8	3238.2#
77	77.8	747.4	1121.0#

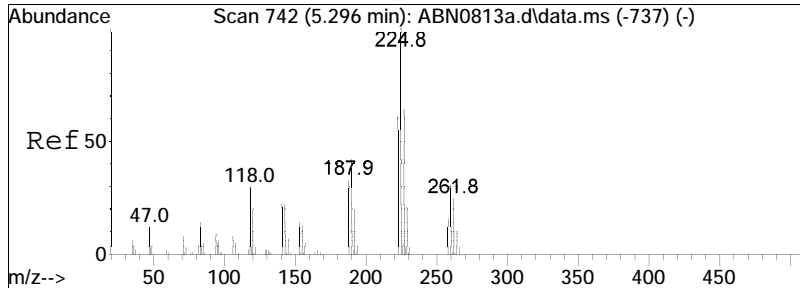




#38  
 4-Chloroaniline  
 Concen: 45.64 ug/ml  
 RT: 5.256 min Scan# 744  
 Delta R.T. -0.000 min  
 Lab File: ABNICVa.d  
 Acq: 2 Apr 2020 11:51 am

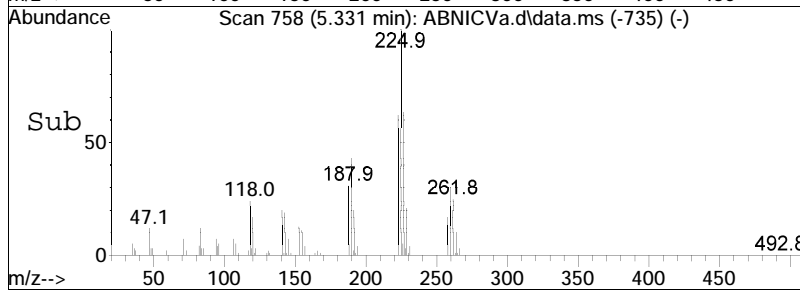
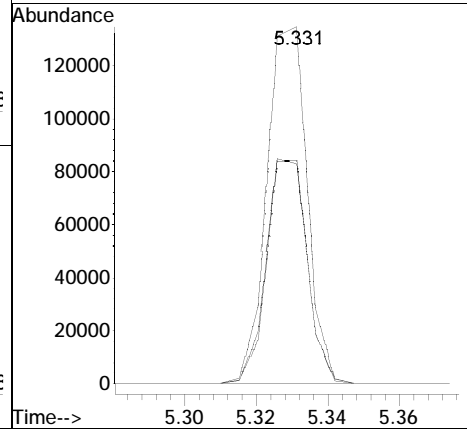
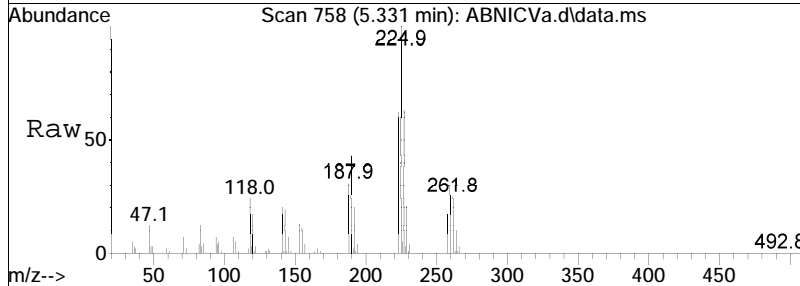
Tgt Ion:	Resp:		
65	100		
127	354.0	302.2	453.2
129	116.2	97.8	146.8

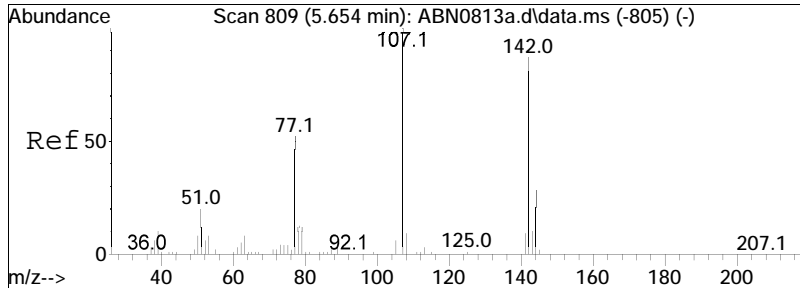




#39  
 Hexachlorobutadiene  
 Concen: 44.39 ug/ml  
 RT: 5.331 min Scan# 758  
 Delta R.T. -0.000 min  
 Lab File: ABNICVa.d  
 Acq: 2 Apr 2020 11:51 am

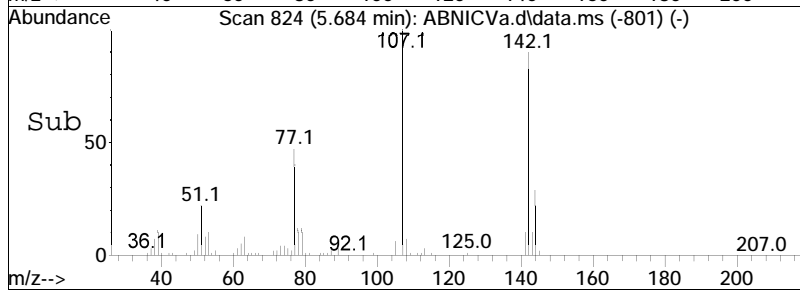
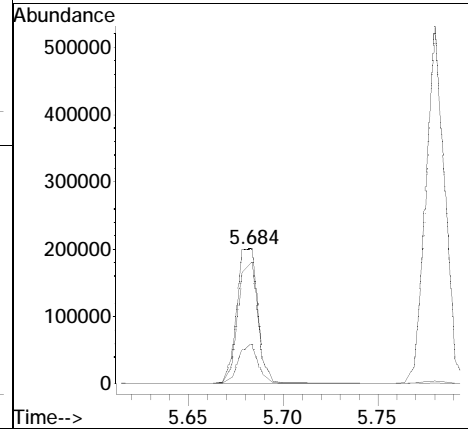
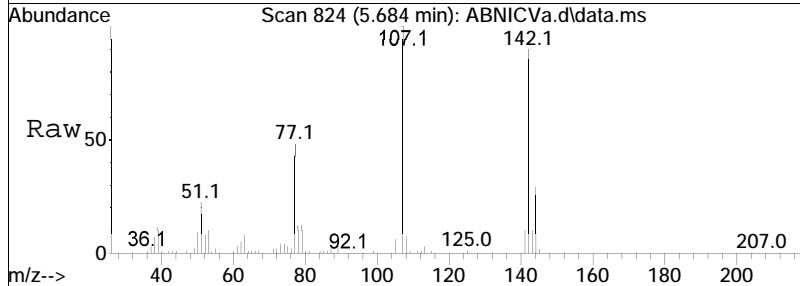
Tgt Ion	Resp	Lower	Upper
225	104676		
223	63.8	50.0	75.0
227	63.2	51.8	77.6

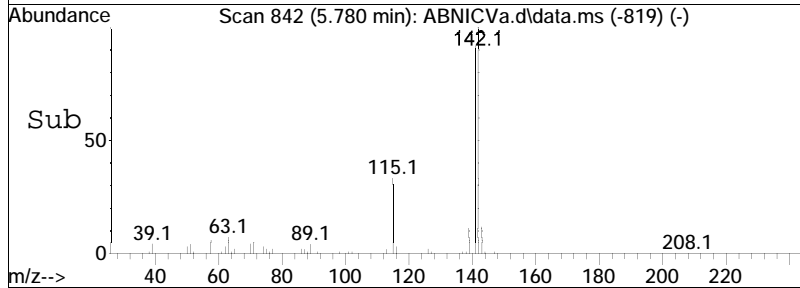
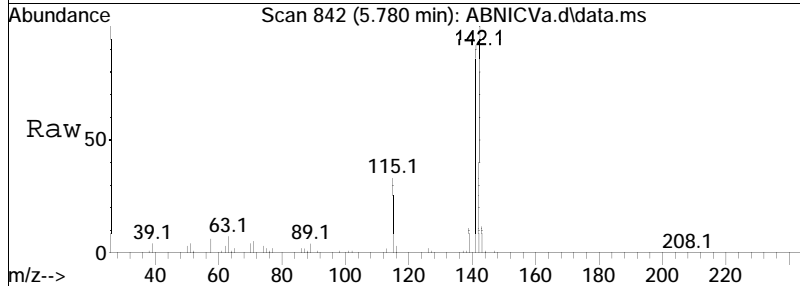
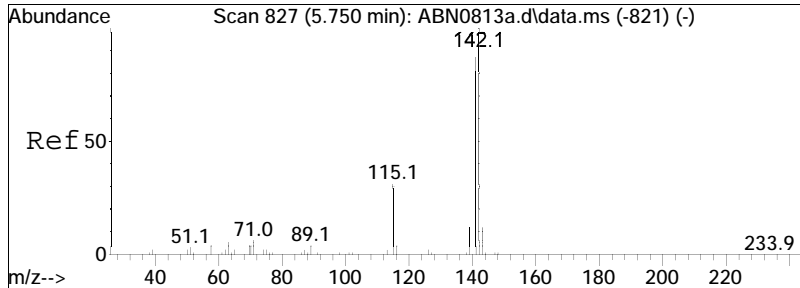




#40  
 p-Chloro-m-cresol  
 Concen: 48.86 ug/ml  
 RT: 5.684 min Scan# 824  
 Delta R.T. -0.000 min  
 Lab File: ABNICVa.d  
 Acq: 2 Apr 2020 11:51 am

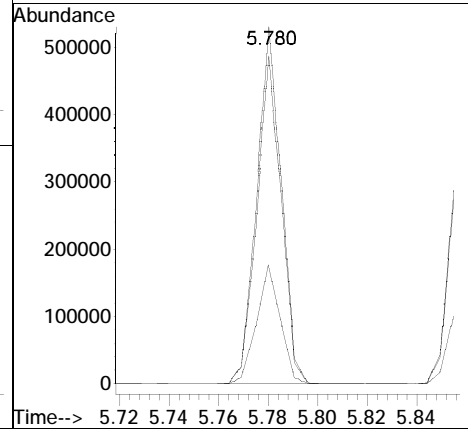
Tgt Ion	Resp	Lower	Upper
107	100		
144	27.1	23.3	34.9
142	86.2	72.7	109.1

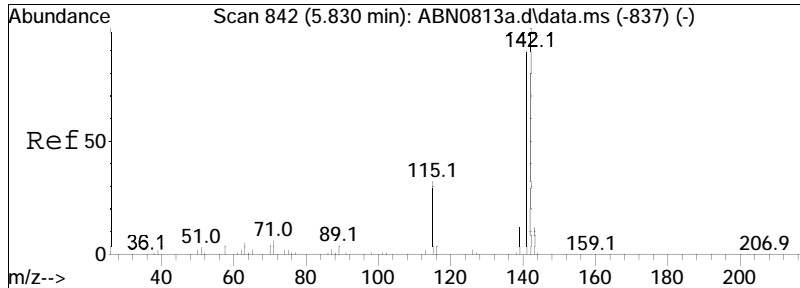




#41  
 2-Methylnaphthalene  
 Concen: 46.22 ug/ml  
 RT: 5.780 min Scan# 842  
 Delta R.T. -0.000 min  
 Lab File: ABNICVa.d  
 Acq: 2 Apr 2020 11:51 am

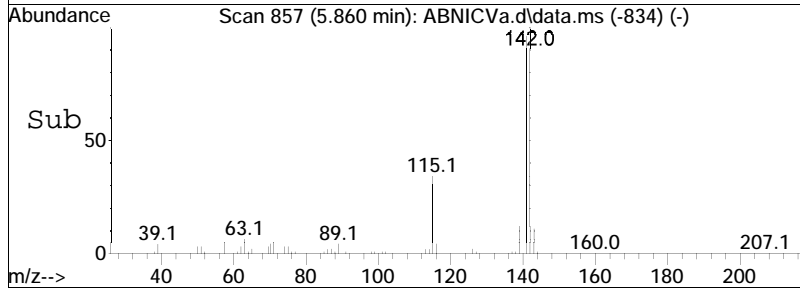
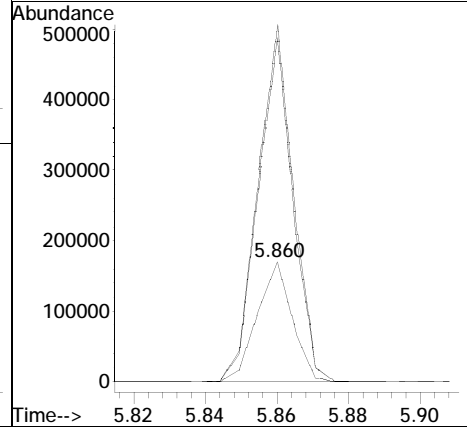
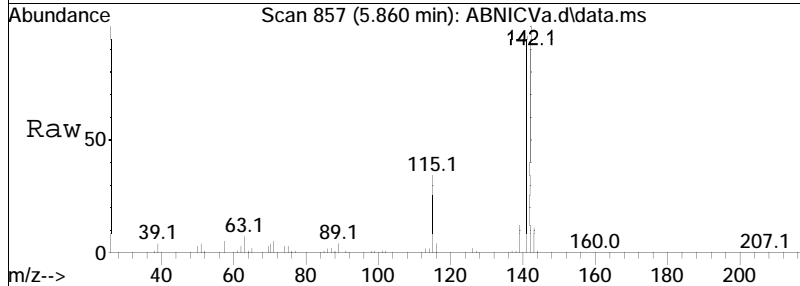
Tgt Ion	Resp	Lower	Upper
142	100		
141	91.2	69.5	104.3
115	32.2	25.4	38.2



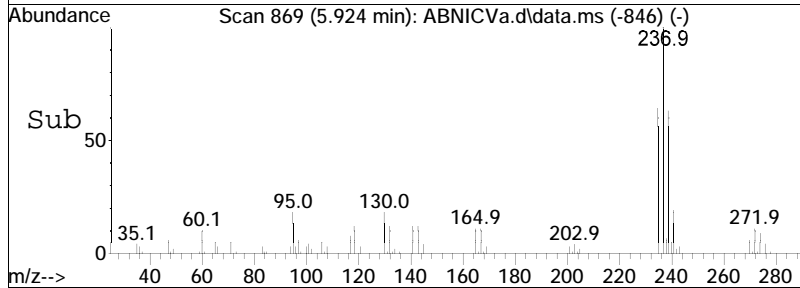
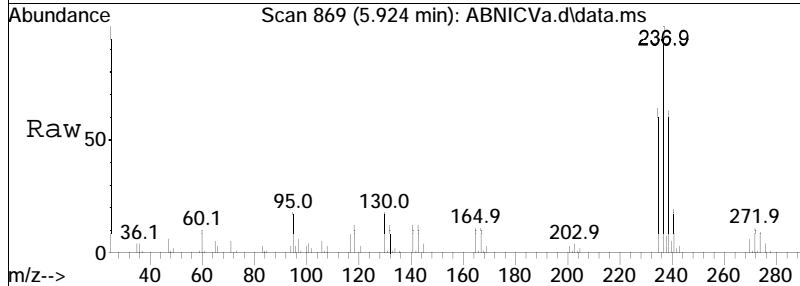
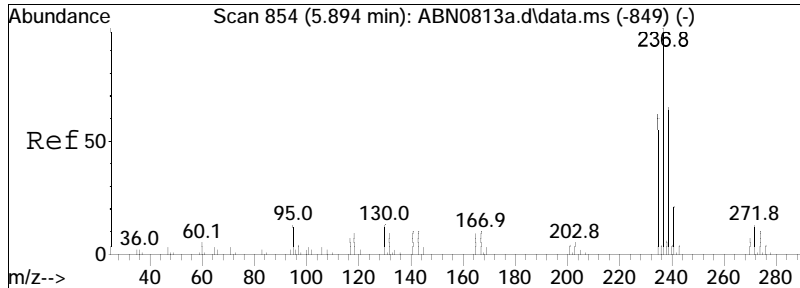


#42  
 1-Methylnaphthalene  
 Concen: 46.21 ug/ml  
 RT: 5.860 min Scan# 857  
 Delta R.T. -0.000 min  
 Lab File: ABNICVa.d  
 Acq: 2 Apr 2020 11:51 am

Tgt Ion	Resp	Lower	Upper
115	100		
141	284.0	218.1	327.1
142	299.4	245.3	367.9

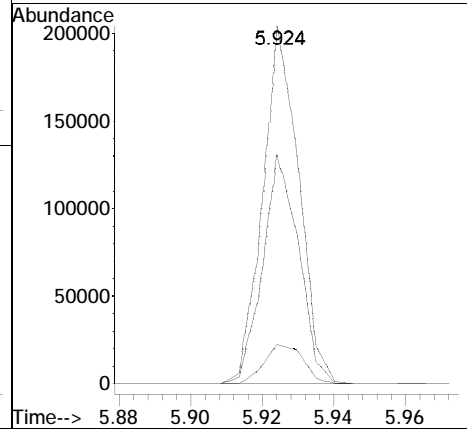


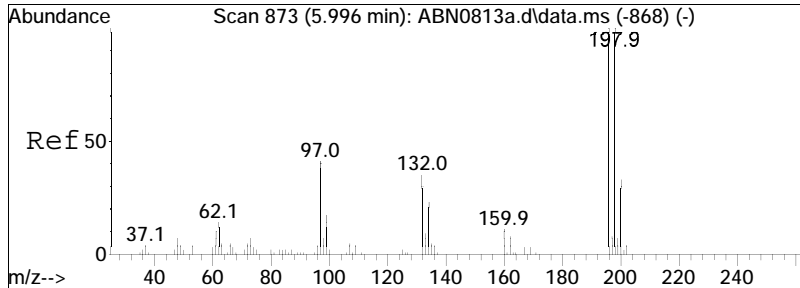




#43  
 Hexachlorocyclopentadiene  
 Concen: 42.97 ug/ml  
 RT: 5.924 min Scan# 869  
 Delta R.T. -0.000 min  
 Lab File: ABNICVa.d  
 Acq: 2 Apr 2020 11:51 am

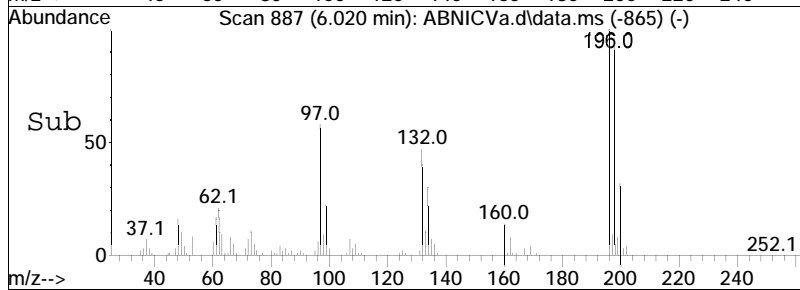
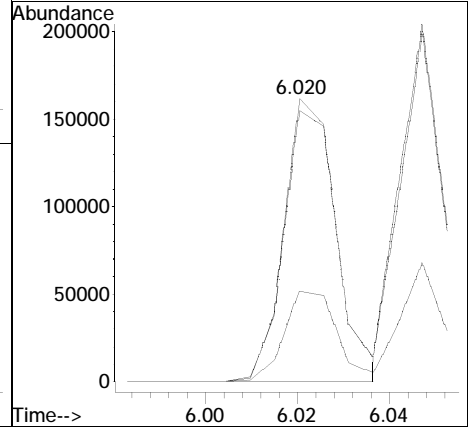
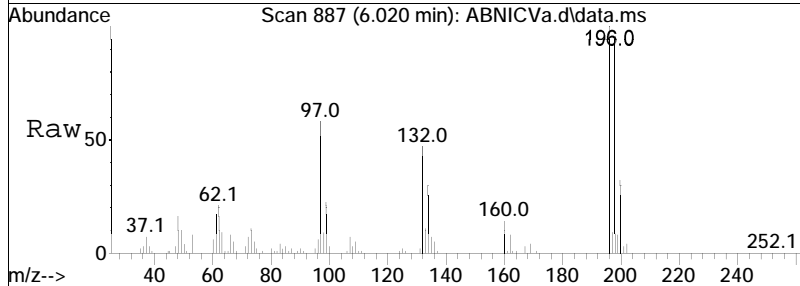
Tgt Ion	Resp	Lower	Upper
237	141262		
235	64.1	49.9	74.9
272	12.2	11.4	17.2

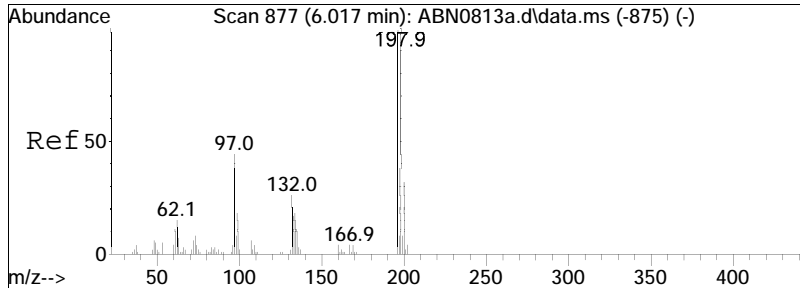




#44  
 2,4,6-Trichlorophenol  
 Concen: 45.56 ug/ml  
 RT: 6.020 min Scan# 887  
 Delta R.T. -0.005 min  
 Lab File: ABNICVa.d  
 Acq: 2 Apr 2020 11:51 am

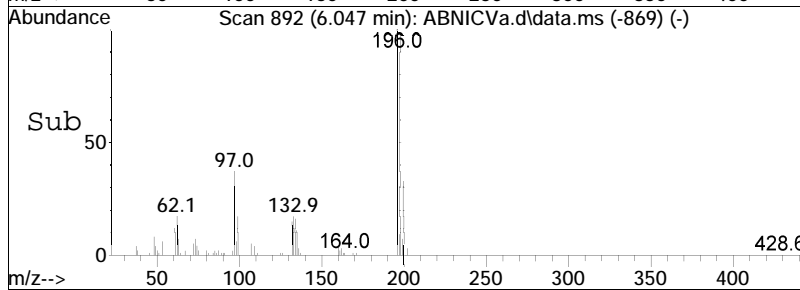
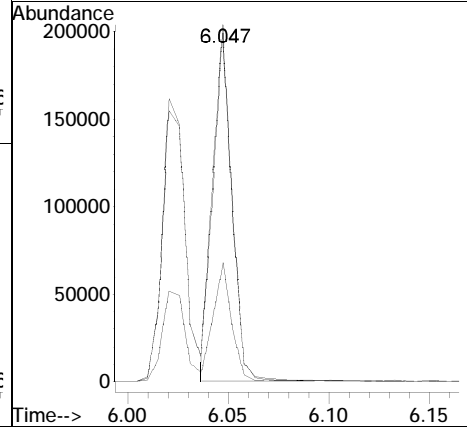
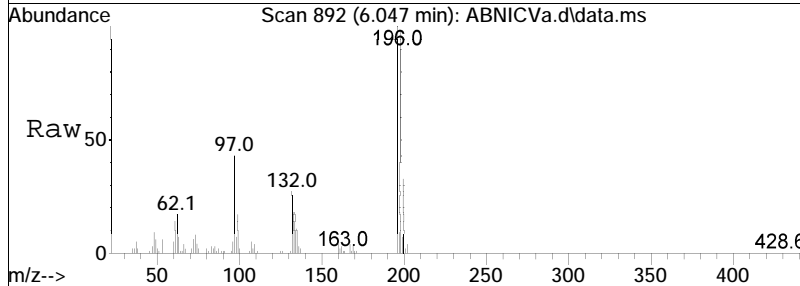
Tgt Ion	Resp	Lower	Upper
196	100		
198	98.0	77.0	115.6
200	32.8	25.0	37.6

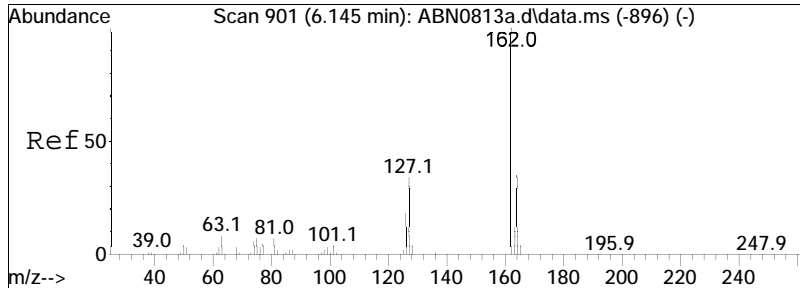




#45  
 2,4,5-Trichlorophenol  
 Concen: 44.16 ug/ml  
 RT: 6.047 min Scan# 892  
 Delta R.T. -0.000 min  
 Lab File: ABNICVa.d  
 Acq: 2 Apr 2020 11:51 am

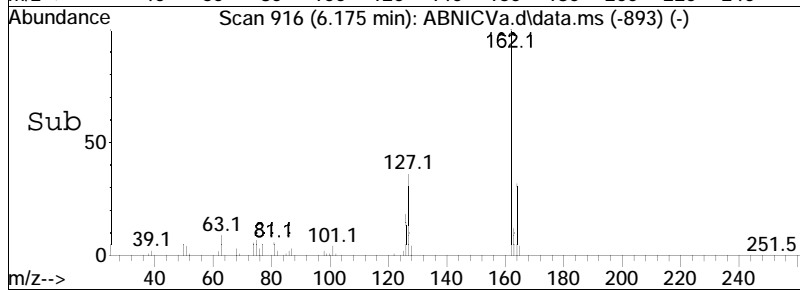
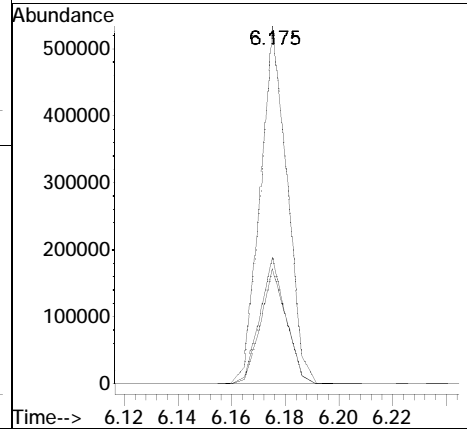
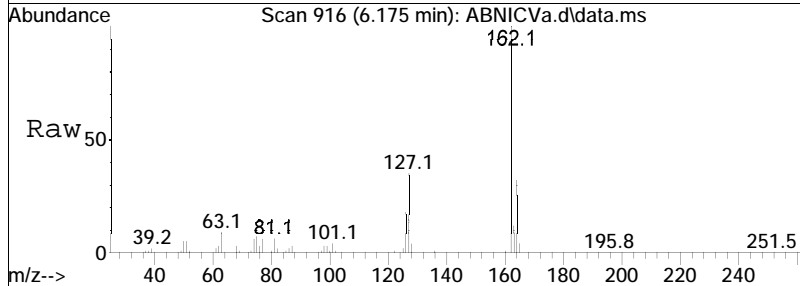
Tgt Ion	Resp	Lower	Upper
196	100		
200	32.2	24.9	37.3
198	96.1	78.5	117.7

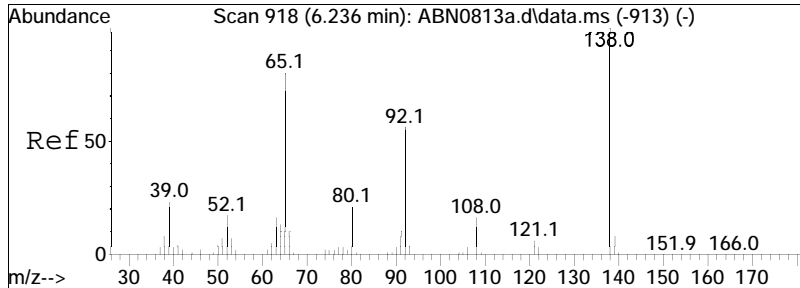




#47  
 2-Chloronaphthalene  
 Concen: 45.74 ug/ml  
 RT: 6.175 min Scan# 916  
 Delta R.T. -0.000 min  
 Lab File: ABNICVa.d  
 Acq: 2 Apr 2020 11:51 am

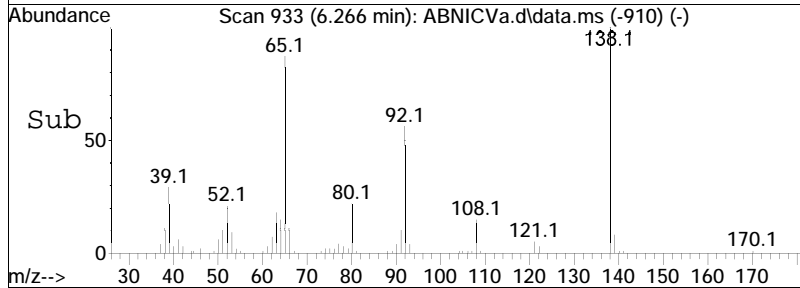
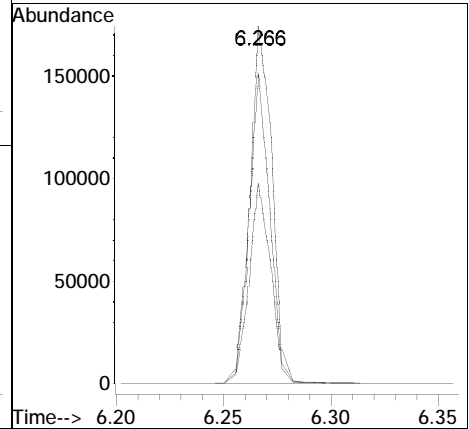
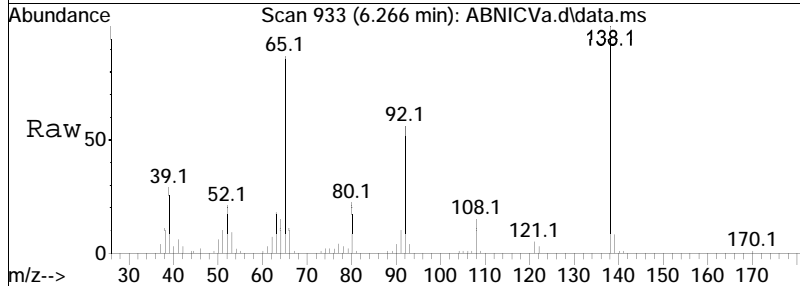
Tgt Ion	Ratio	Lower	Upper
162	100		
127	34.4	28.0	42.0
164	31.6	26.6	39.8

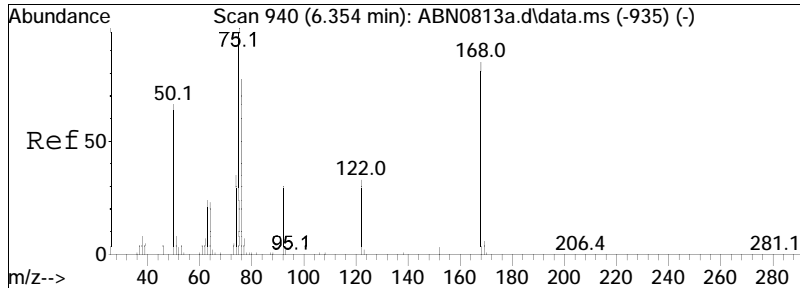




#48  
 2-Nitroaniline  
 Concen: 45.56 ug/ml  
 RT: 6.266 min Scan# 933  
 Delta R.T. -0.000 min  
 Lab File: ABNICVa.d  
 Acq: 2 Apr 2020 11:51 am

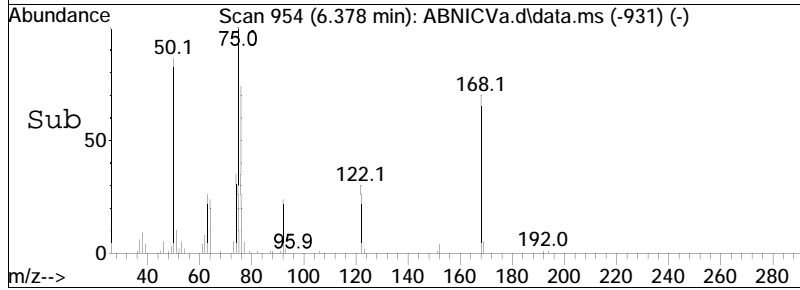
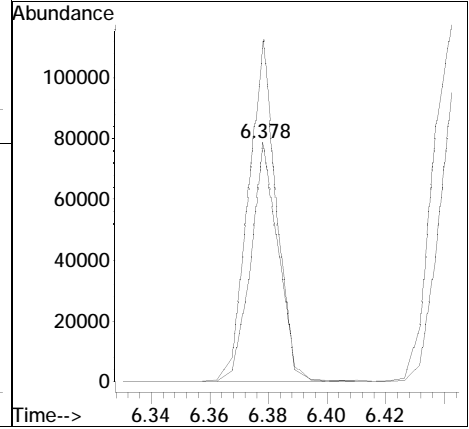
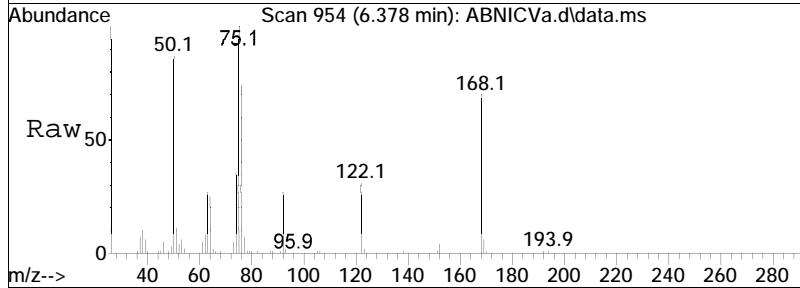
Tgt Ion	Ratio	Lower	Upper
138	100		
92	55.3	41.7	62.5
65	82.9	61.5	92.3

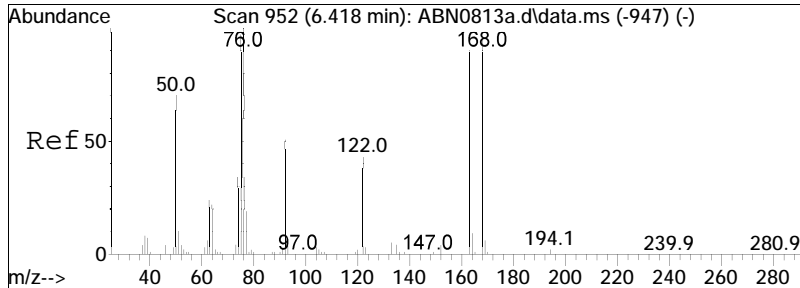




#49  
 1,4-Dinitrobenzene  
 Concen: 44.66 ug/ml  
 RT: 6.378 min Scan# 954  
 Delta R.T. -0.000 min  
 Lab File: ABNICVa.d  
 Acq: 2 Apr 2020 11:51 am

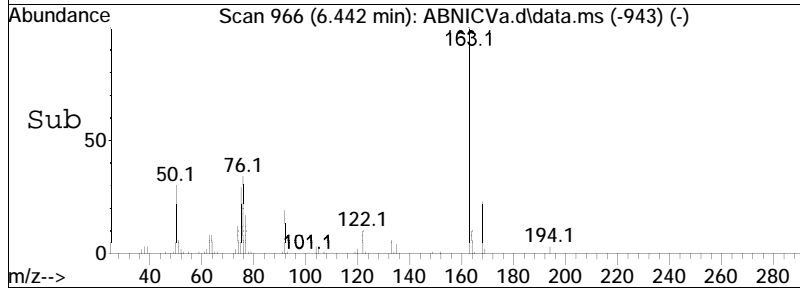
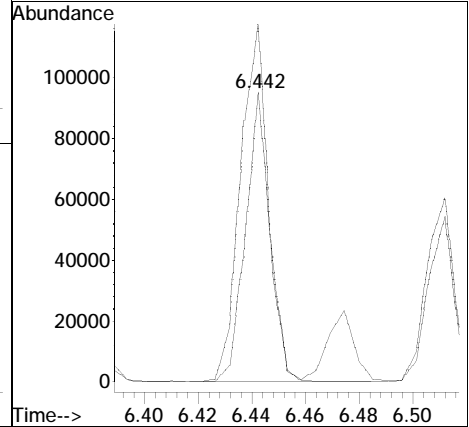
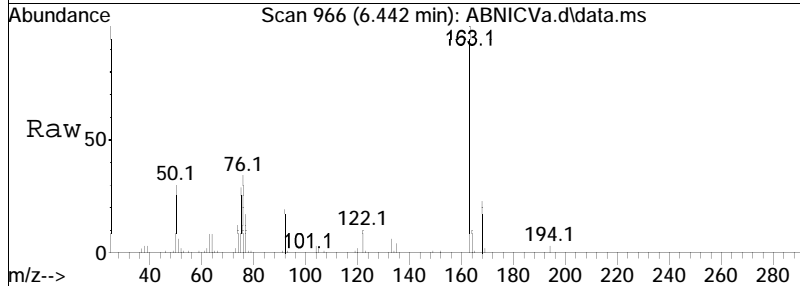
Tgt Ion	Resp	Lower	Upper
168	100		
75	144.8	102.0	153.0

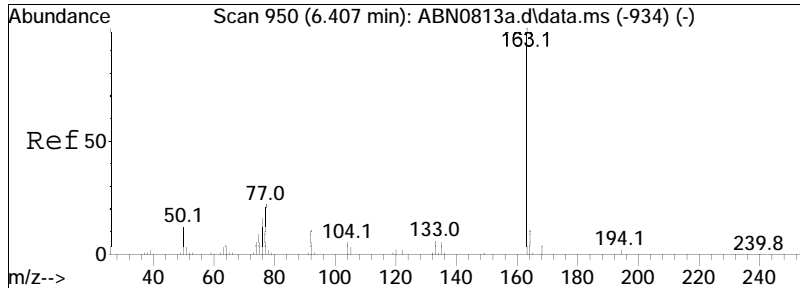




#50  
 1,3-Dinitrobenzene  
 Concen: 46.70 ug/ml  
 RT: 6.442 min Scan# 966  
 Delta R.T. -0.000 min  
 Lab File: ABNICVa.d  
 Acq: 2 Apr 2020 11:51 am

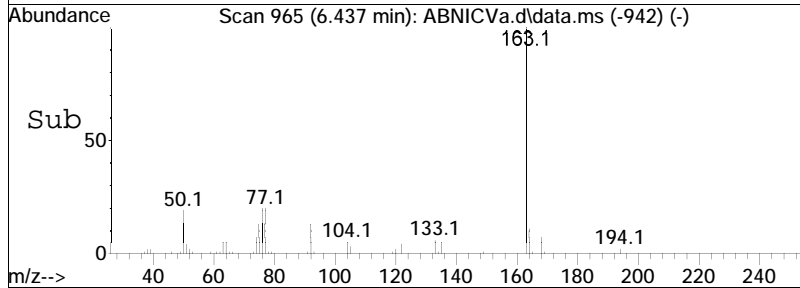
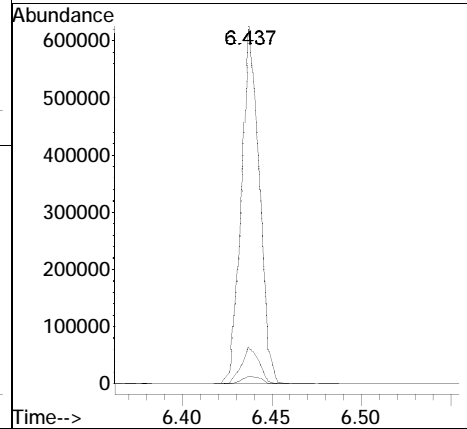
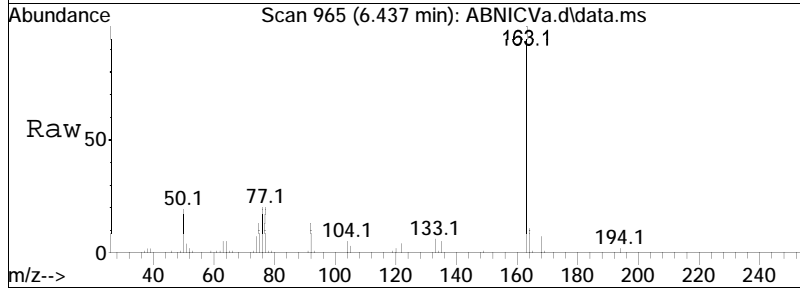
Tgt Ion	Resp	Lower	Upper
168	100		
75	139.2	107.1	160.7



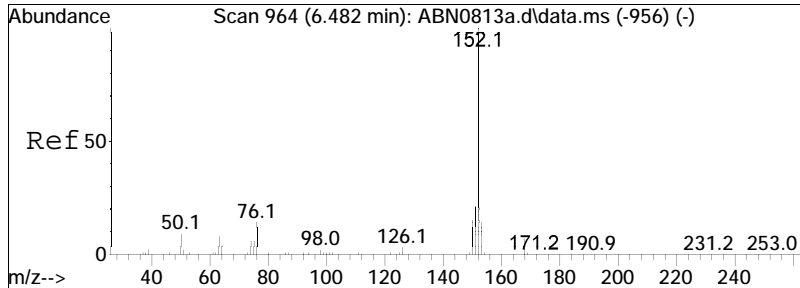


#51  
 Dimethyl phthalate  
 Concen: 46.46 ug/ml  
 RT: 6.437 min Scan# 965  
 Delta R.T. -0.000 min  
 Lab File: ABNICVa.d  
 Acq: 2 Apr 2020 11:51 am

Tgt Ion	163	194	164	Resp	Lower	Upper
163	100			431191		
194	2.4				3.4	5.2#
164	10.3				8.4	12.6

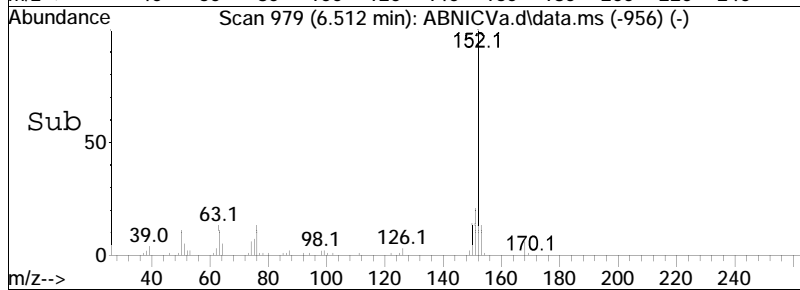
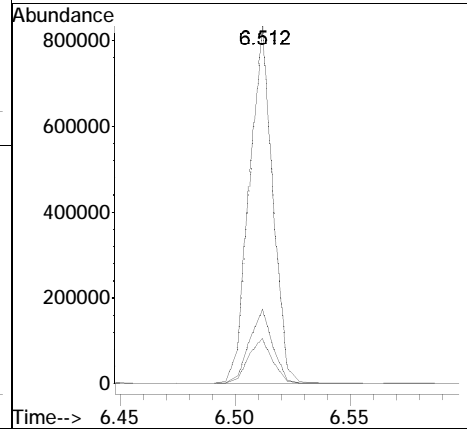
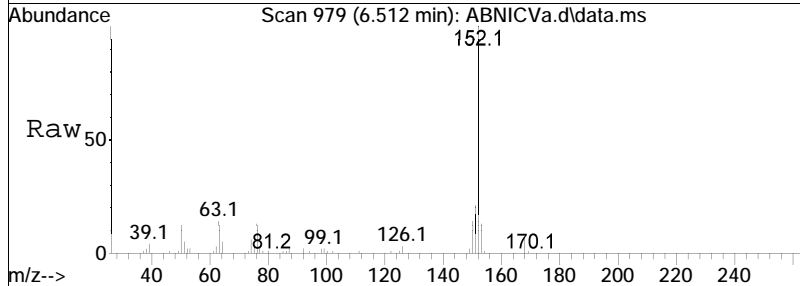


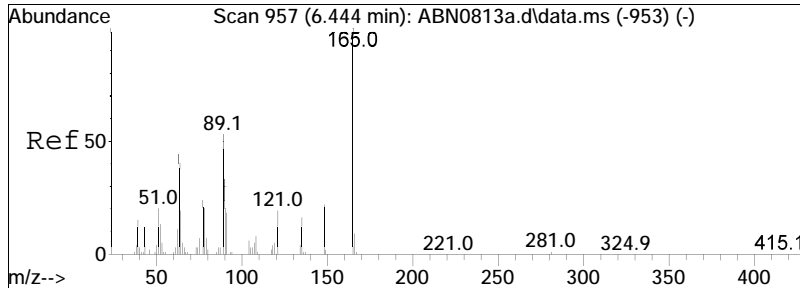




#52  
 Acenaphthylene  
 Concen: 47.71 ug/ml  
 RT: 6.512 min Scan# 979  
 Delta R.T. -0.000 min  
 Lab File: ABNICVa.d  
 Acq: 2 Apr 2020 11:51 am

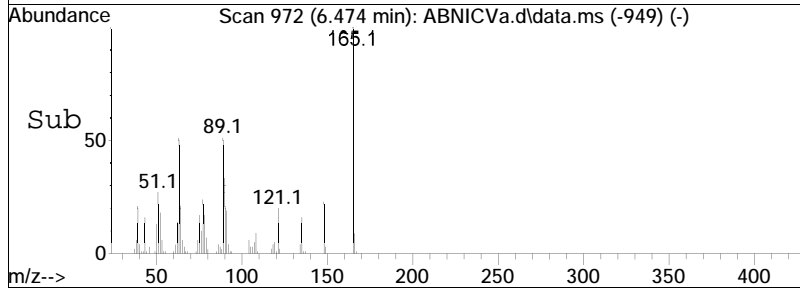
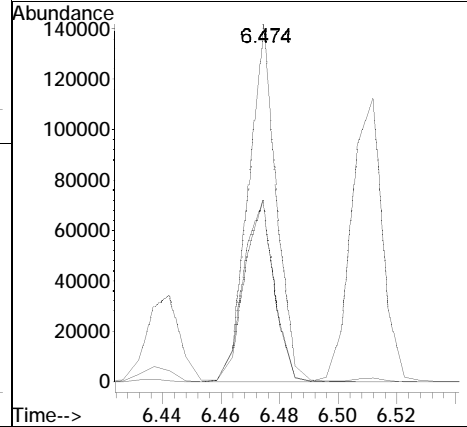
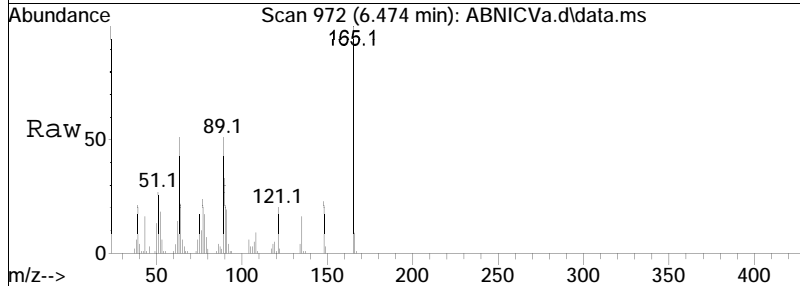
Tgt Ion	Resp	Lower	Upper
152	100		
151	20.9	16.7	25.1
153	13.1	11.1	16.7

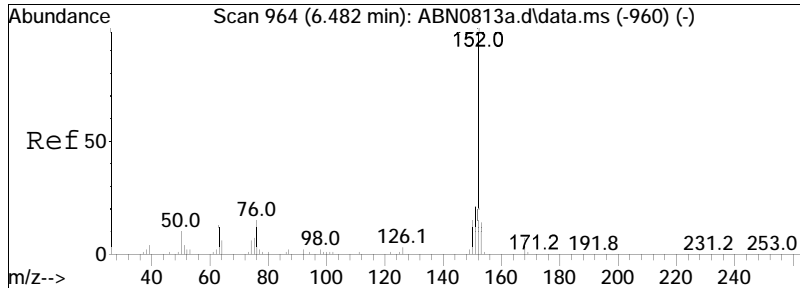




#53  
 2,6-Dinitrotoluene  
 Concen: 47.56 ug/ml  
 RT: 6.474 min Scan# 972  
 Delta R.T. -0.000 min  
 Lab File: ABNICVa.d  
 Acq: 2 Apr 2020 11:51 am

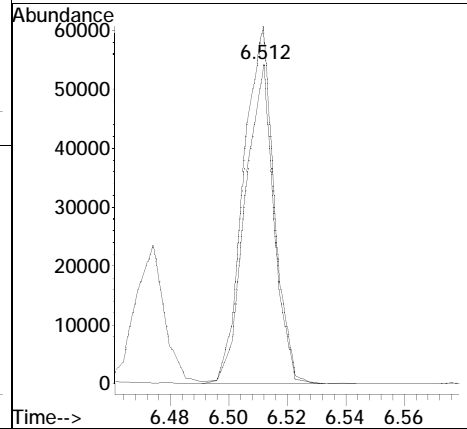
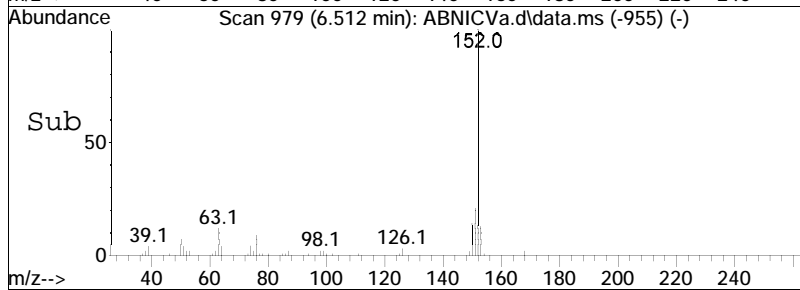
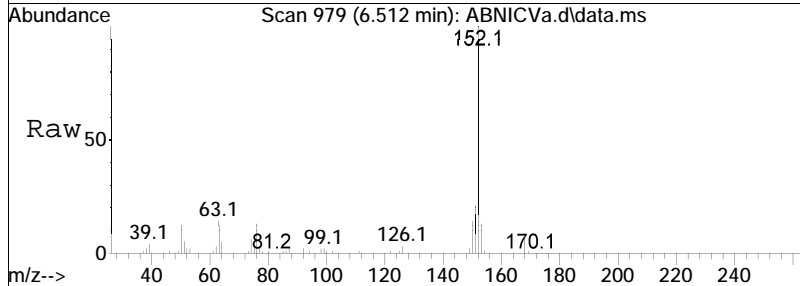
Tgt Ion	Ratio	Lower	Upper
165	100		
89	53.5	43.1	64.7
63	54.9	42.7	64.1

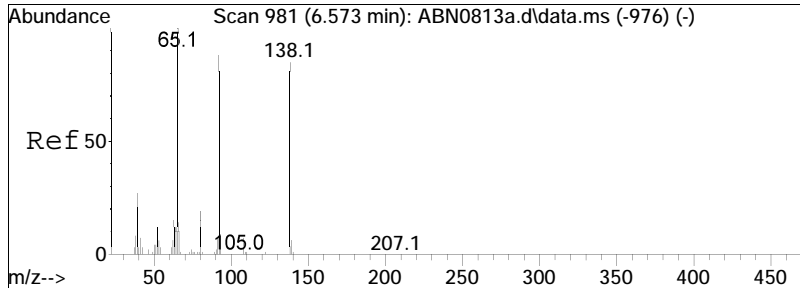




#54  
 1,2-Dinitrobenzene  
 Concen: 46.14 ug/ml  
 RT: 6.512 min Scan# 979  
 Delta R.T. 0.005 min  
 Lab File: ABNICVa.d  
 Acq: 2 Apr 2020 11:51 am

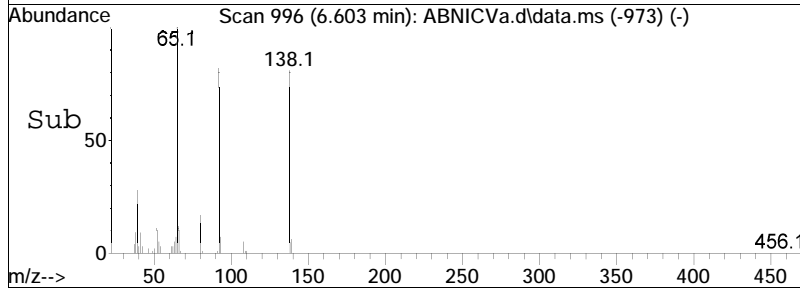
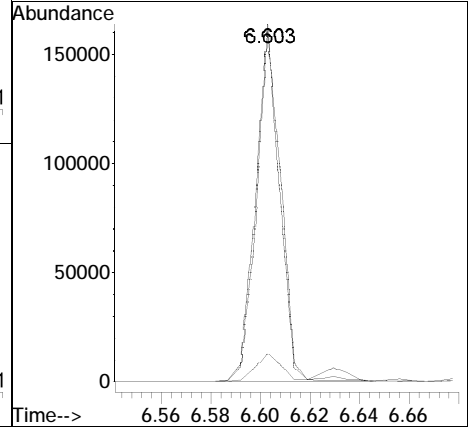
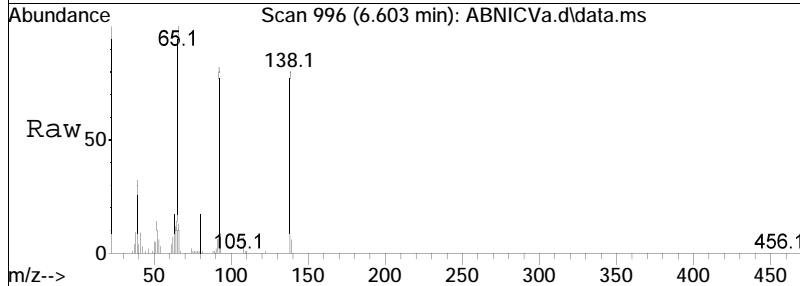
Tgt Ion	Resp	Lower	Upper
168	36824		
75	118.3	92.2	138.2

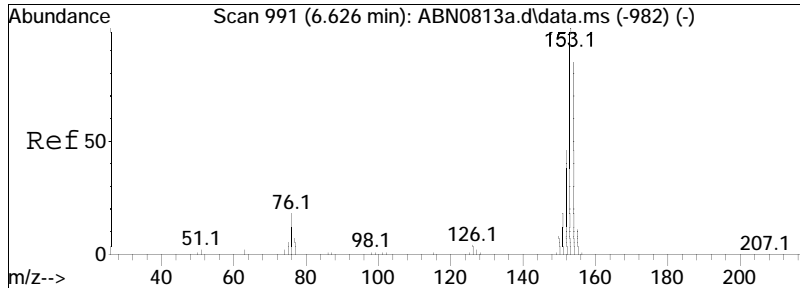




#64  
 3-Nitroaniline  
 Concen: 43.81 ug/ml  
 RT: 6.603 min Scan# 996  
 Delta R.T. -0.000 min  
 Lab File: ABNICVa.d  
 Acq: 2 Apr 2020 11:51 am

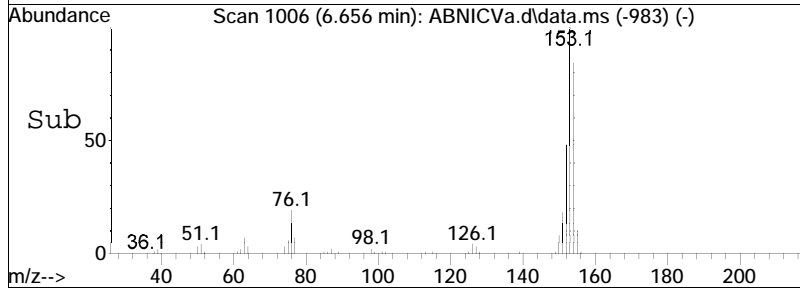
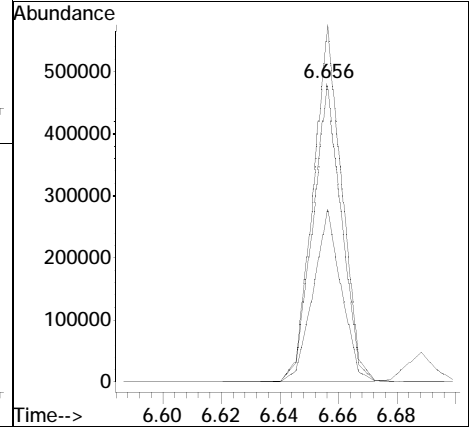
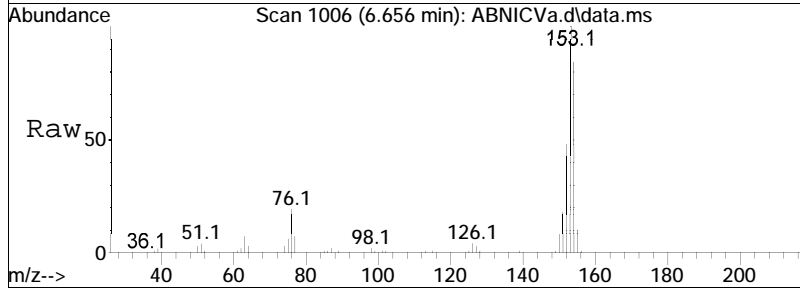
Tgt Ion	Resp	Lower	Upper
138	106979		
138	100		
92	99.8	77.5	116.3
108	8.7	7.0	10.4

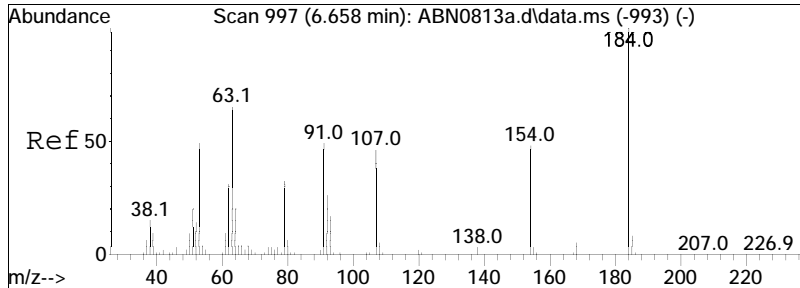




#65  
 Acenaphthene  
 Concen: 43.06 ug/ml  
 RT: 6.656 min Scan# 1006  
 Delta R.T. -0.000 min  
 Lab File: ABNICVa.d  
 Acq: 2 Apr 2020 11:51 am

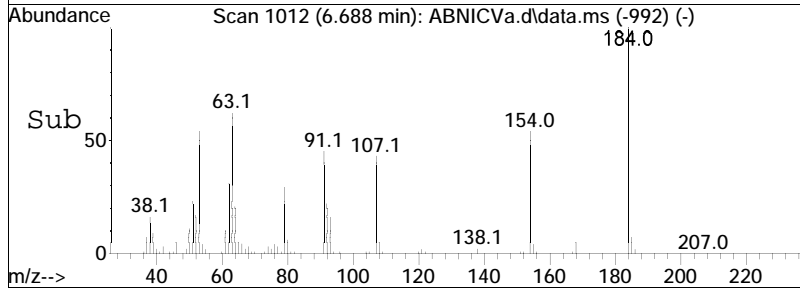
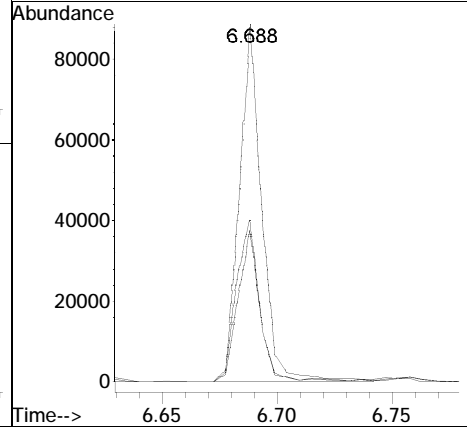
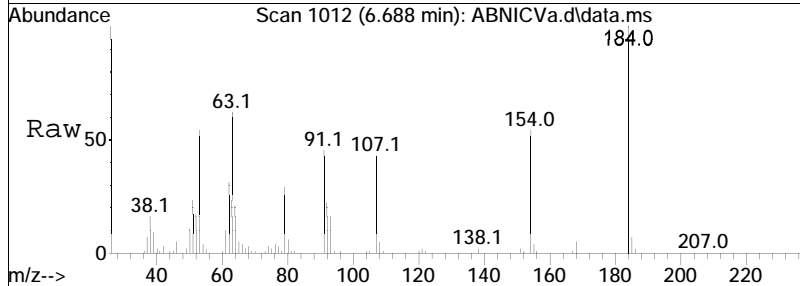
Tgt Ion	Resp	Lower	Upper
154	100		
153	119.2	89.4	134.0
152	57.2	42.2	63.2

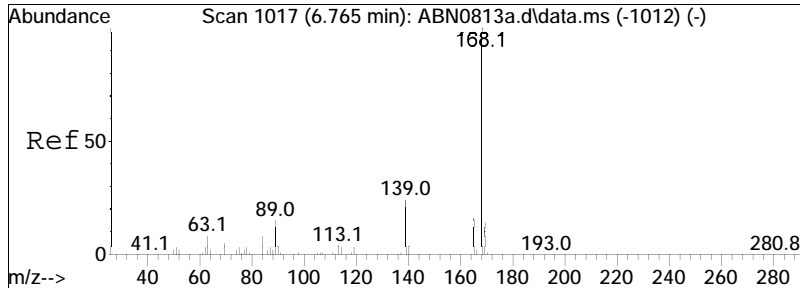




#66  
 2,4-Dinitrophenol  
 Concen: 39.04 ug/ml  
 RT: 6.688 min Scan# 1012  
 Delta R.T. -0.016 min  
 Lab File: ABNICVa.d  
 Acq: 2 Apr 2020 11:51 am

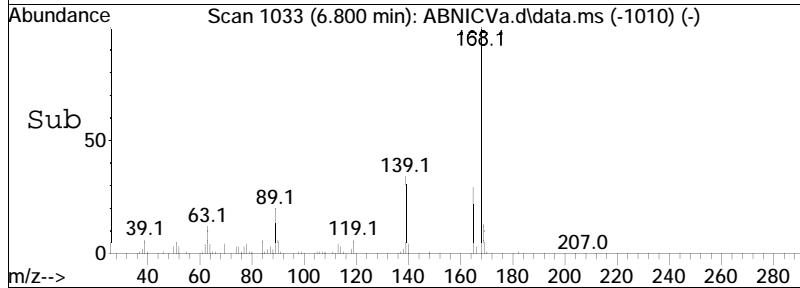
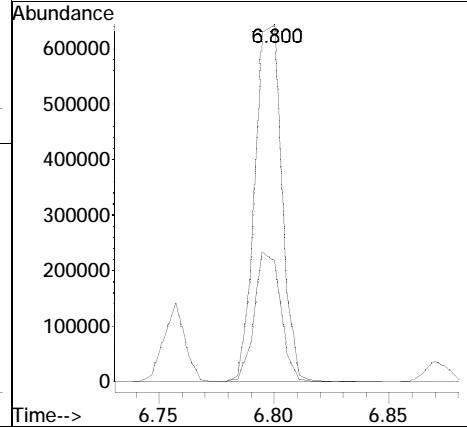
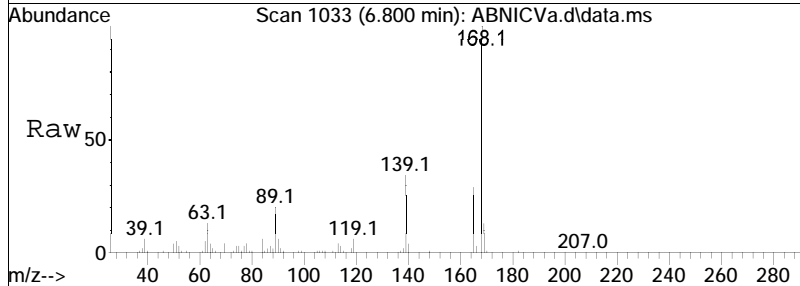
Tgt Ion	Ratio	Lower	Upper
184	100		
107	41.6	31.4	47.2
91	46.2	37.2	55.8

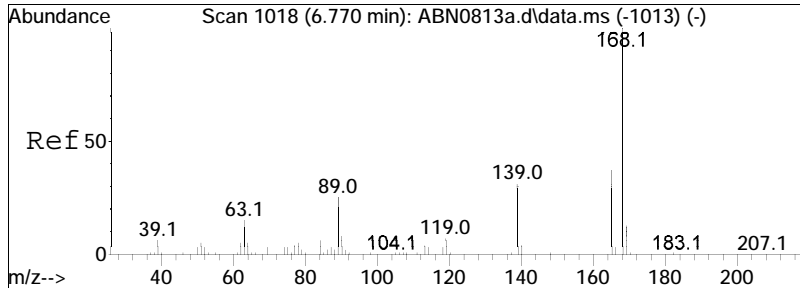




#67  
 Dibenzofuran  
 Concen: 44.14 ug/ml  
 RT: 6.800 min Scan# 1033  
 Delta R.T. -0.000 min  
 Lab File: ABNICVa.d  
 Acq: 2 Apr 2020 11:51 am

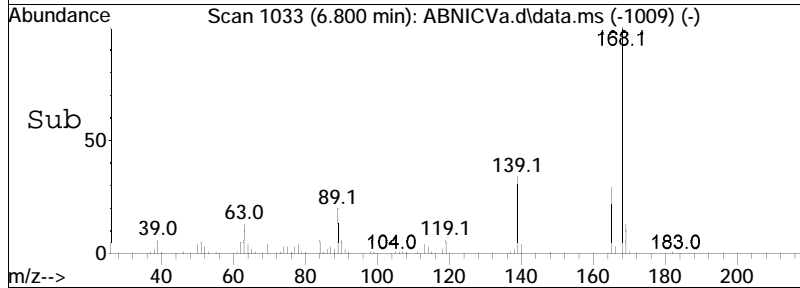
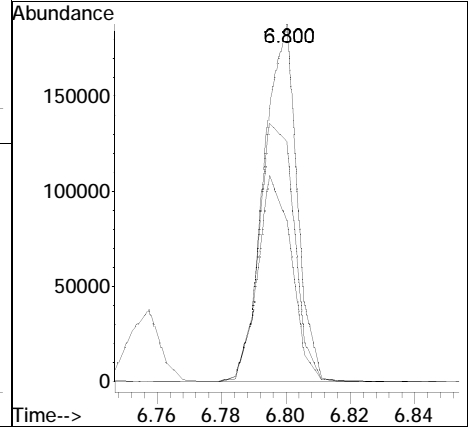
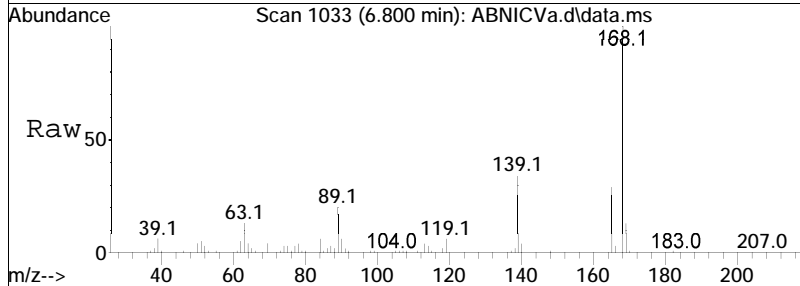
Tgt Ion	Resp	Lower	Upper
168	522470		
139	35.7	28.0	42.0



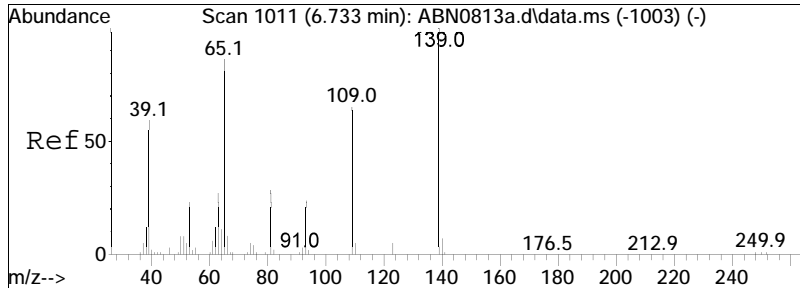


#68  
 2,4-Dinitrotoluene  
 Concen: 46.95 ug/ml  
 RT: 6.800 min Scan# 1033  
 Delta R.T. 0.005 min  
 Lab File: ABNICVa.d  
 Acq: 2 Apr 2020 11:51 am

Tgt Ion	Ratio	Lower	Upper
165	100		
89	77.9	63.0	94.6
63	59.3	50.3	75.5

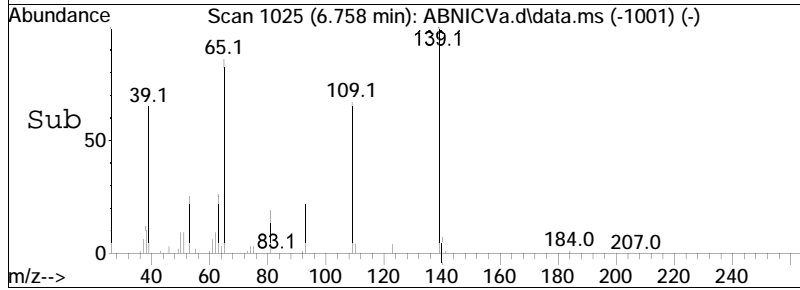
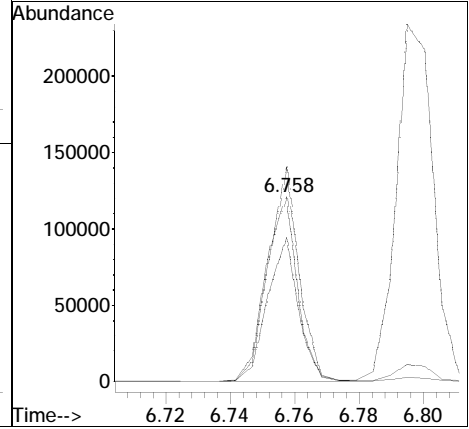
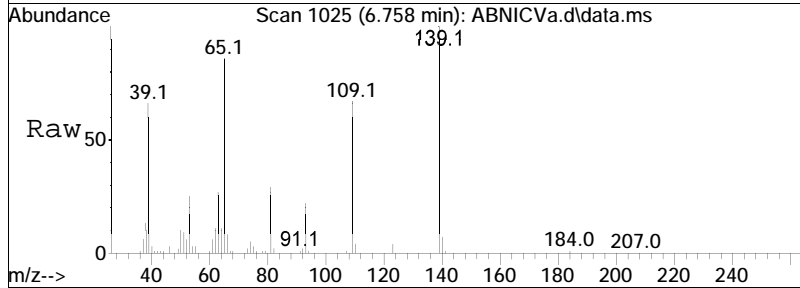


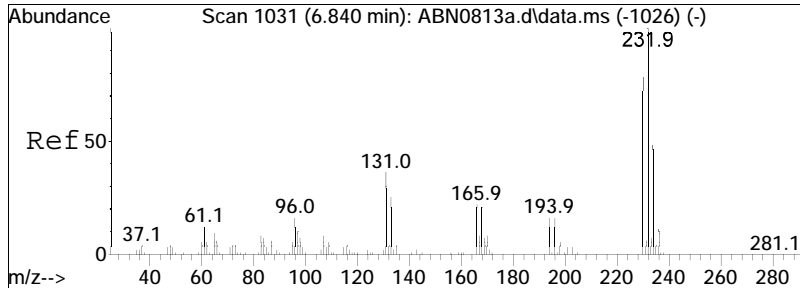




#69  
 4-Nitrophenol  
 Concen: 46.82 ug/ml  
 RT: 6.758 min Scan# 1025  
 Delta R.T. 0.005 min  
 Lab File: ABNICVa.d  
 Acq: 2 Apr 2020 11:51 am

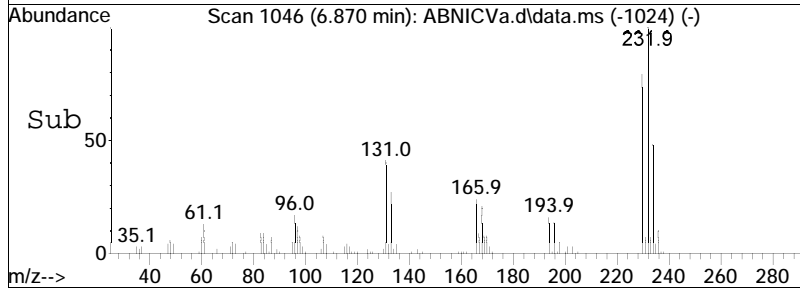
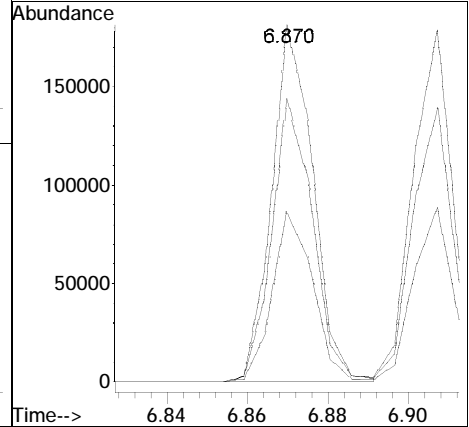
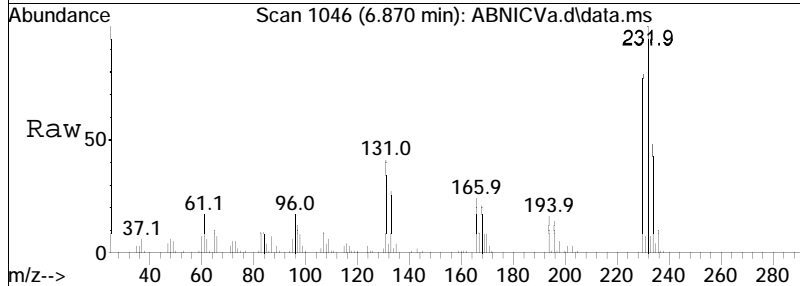
Tgt Ion:	Resp:		
Ion	Ratio	Lower	Upper
65	100		
109	75.4	55.3	82.9
139	110.0	95.1	142.7

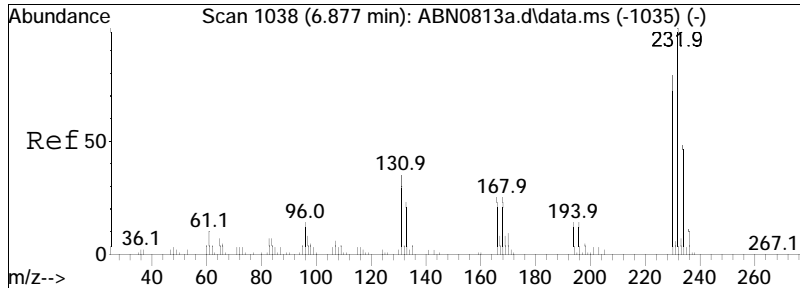




#70  
 2,3,5,6-Tetrachlorophenol  
 Concen: 45.23 ug/ml  
 RT: 6.870 min Scan# 1046  
 Delta R.T. -0.005 min  
 Lab File: ABNICVa.d  
 Acq: 2 Apr 2020 11:51 am

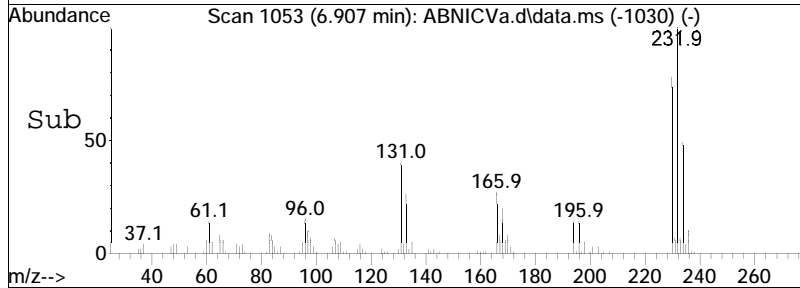
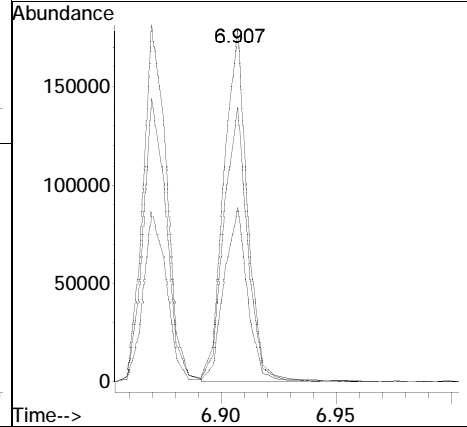
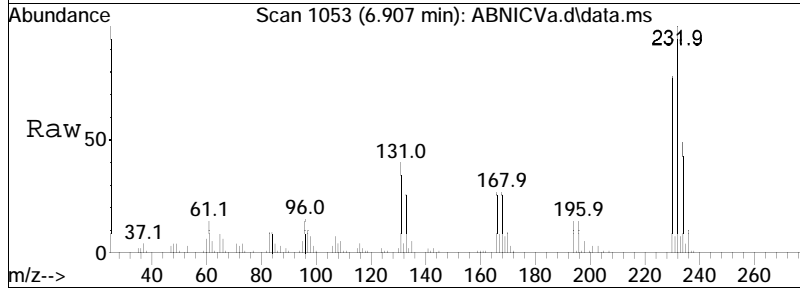
Tgt Ion	Ratio	Lower	Upper
232	100		
230	78.4	64.4	96.6
234	47.0	38.9	58.3

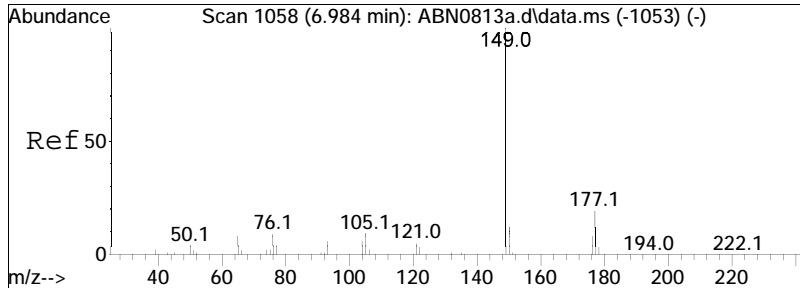




#71  
 2,3,4,6-Tetrachlorophenol  
 Concen: 43.67 ug/ml  
 RT: 6.907 min Scan# 1053  
 Delta R.T. -0.000 min  
 Lab File: ABNICVa.d  
 Acq: 2 Apr 2020 11:51 am

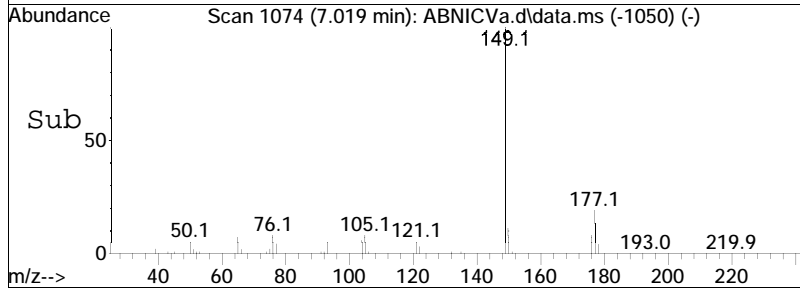
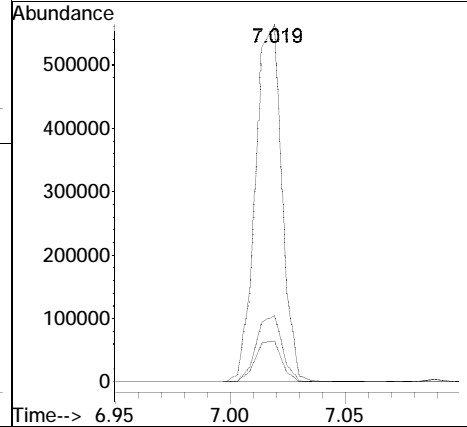
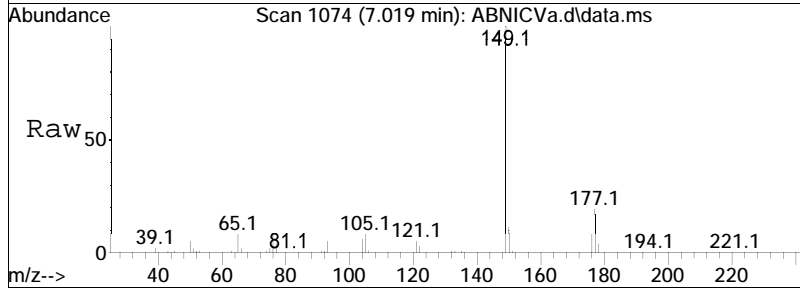
Tgt Ion	Ratio	Lower	Upper
232	100		
230	79.1	64.2	96.4
234	49.6	38.4	57.6

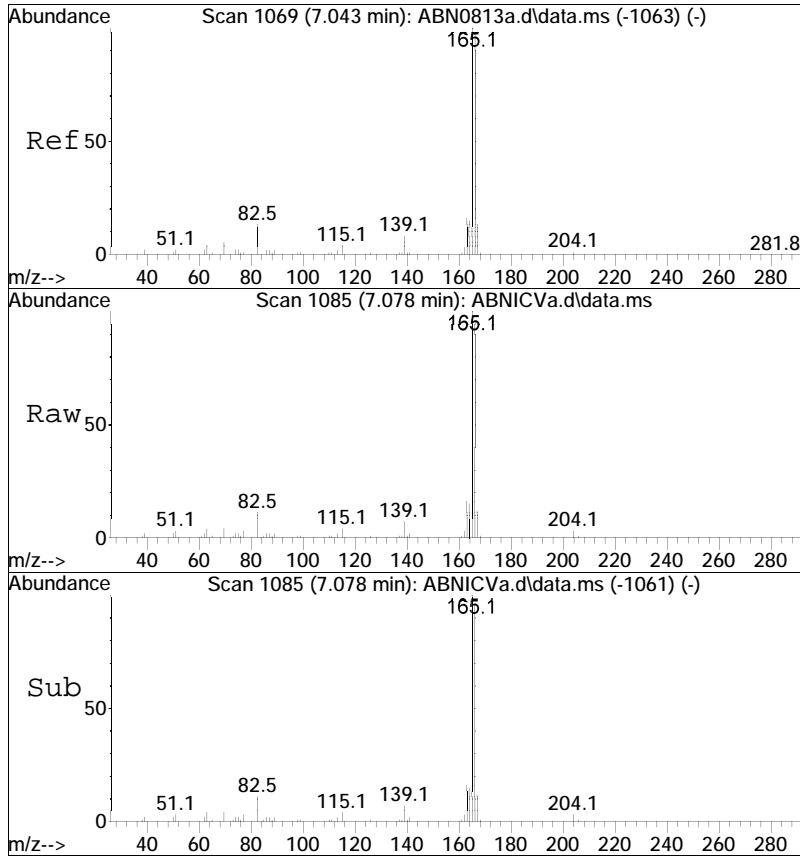




#72  
 Diethyl phthalate  
 Concen: 46.55 ug/ml  
 RT: 7.019 min Scan# 1074  
 Delta R.T. 0.005 min  
 Lab File: ABNICVa.d  
 Acq: 2 Apr 2020 11:51 am

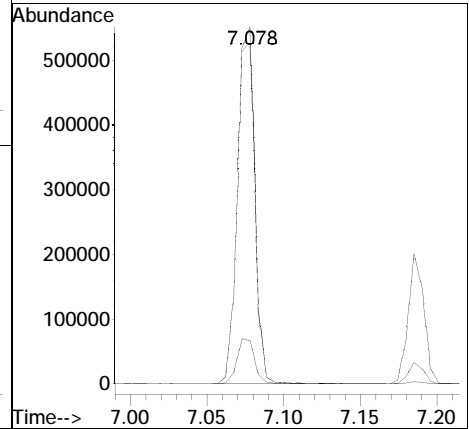
Tgt Ion	Ratio	Lower	Upper
149	100		
177	18.4	16.2	24.2
150	11.6	9.4	14.0

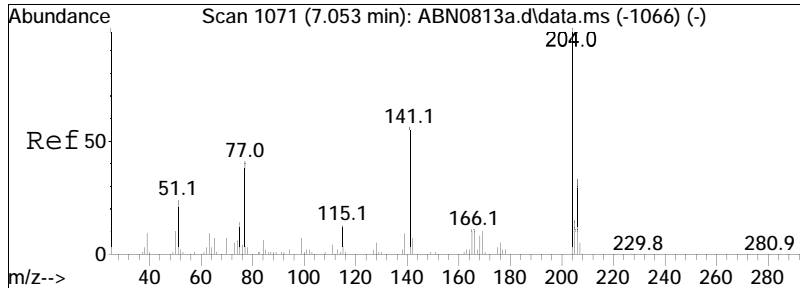




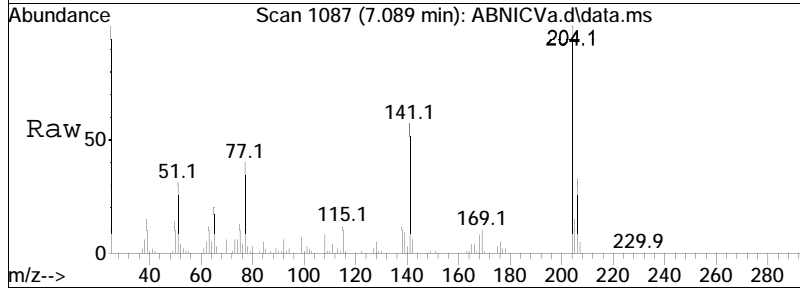
#73  
 Fluorene  
 Concen: 45.43 ug/ml  
 RT: 7.078 min Scan# 1085  
 Delta R.T. 0.005 min  
 Lab File: ABNICVa.d  
 Acq: 2 Apr 2020 11:51 am

Tgt Ion	Resp	Lower	Upper
166	423917		
165	102.5	77.2	115.8
167	13.3	10.9	16.3

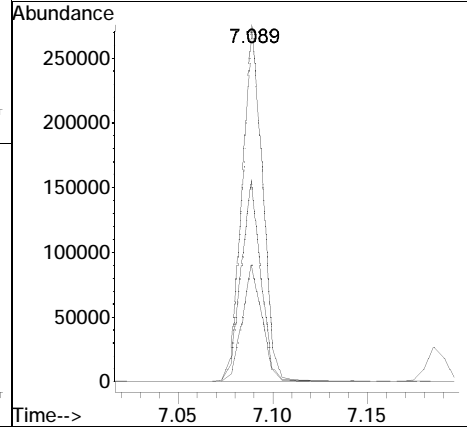
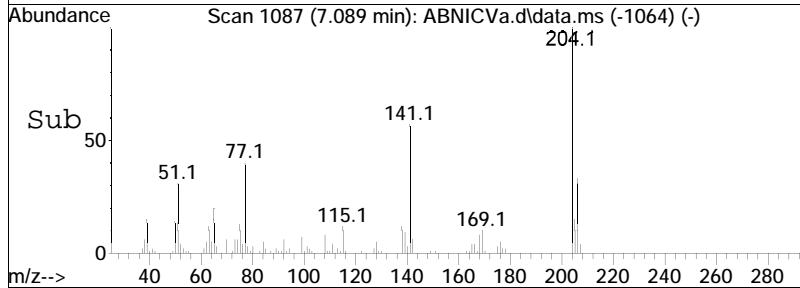


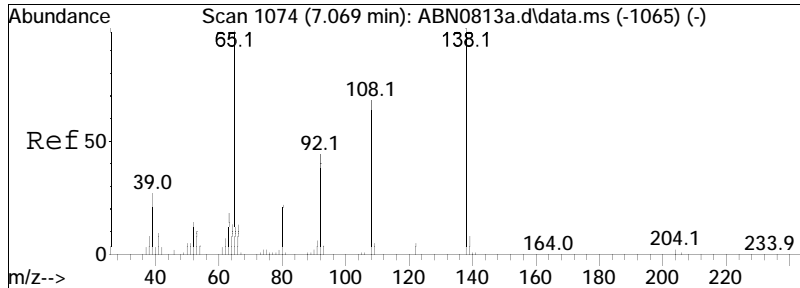


#74  
 4-Chlorophenyl phenyl ether  
 Concen: 45.45 ug/ml  
 RT: 7.089 min Scan# 1087  
 Delta R.T. -0.000 min  
 Lab File: ABNICVa.d  
 Acq: 2 Apr 2020 11:51 am



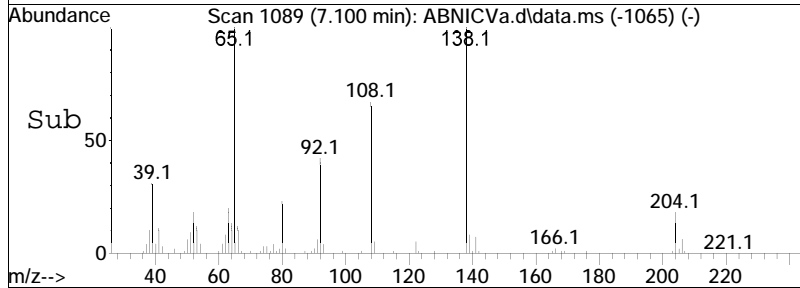
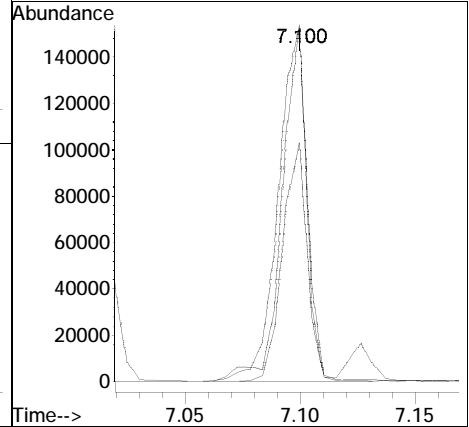
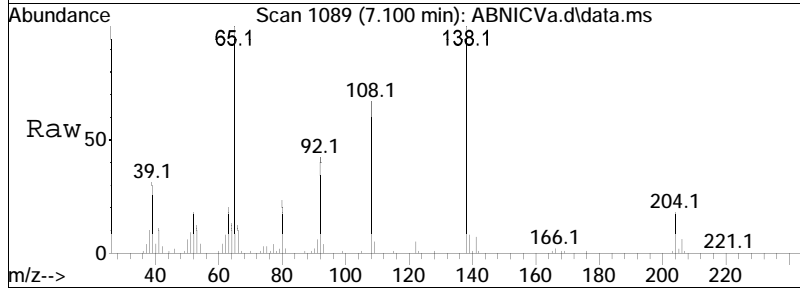
Tgt Ion	Ratio	Lower	Upper
204	100		
206	31.8	27.0	40.6
141	54.7	42.2	63.2

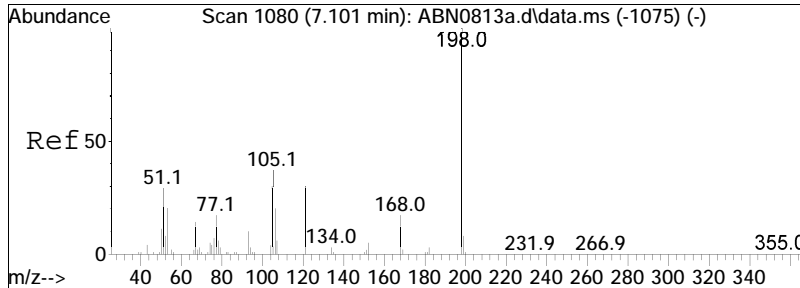




#75  
 4-Nitroaniline  
 Concen: 45.85 ug/ml  
 RT: 7.100 min Scan# 1089  
 Delta R.T. 0.005 min  
 Lab File: ABNICVa.d  
 Acq: 2 Apr 2020 11:51 am

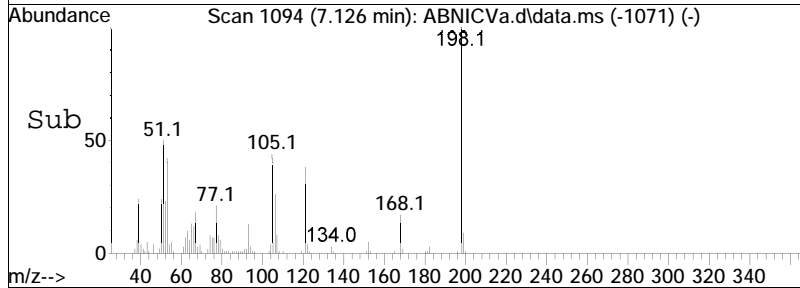
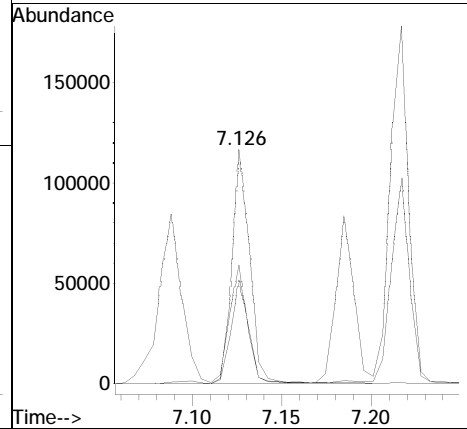
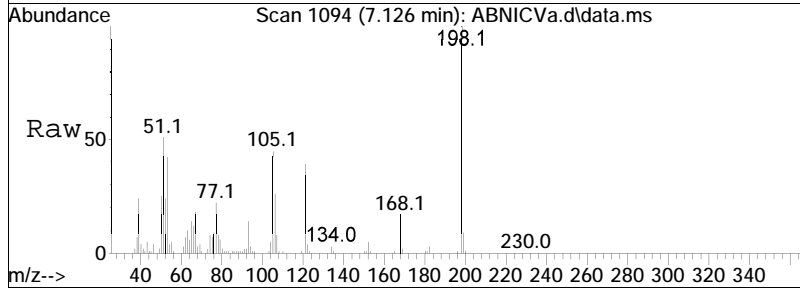
Tgt Ion	Resp	Lower	Upper
138	115369		
138	100		
108	65.6	46.7	70.1
65	111.3	81.2	121.8



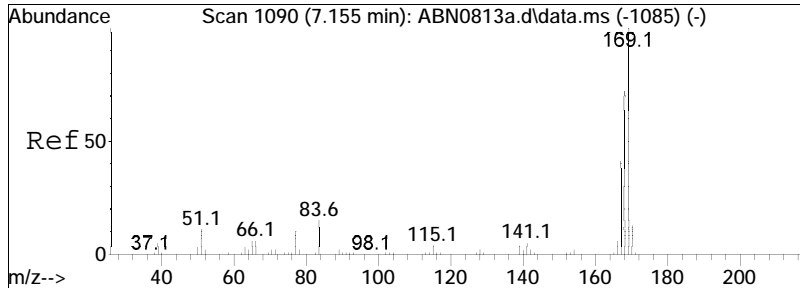


#76  
 4,6-Dinitro-o-cresol  
 Concen: 45.69 ug/ml  
 RT: 7.126 min Scan# 1094  
 Delta R.T. -0.000 min  
 Lab File: ABNICVa.d  
 Acq: 2 Apr 2020 11:51 am

Tgt Ion	Ratio	Lower	Upper
198	100		
51	49.4	35.0	52.6
105	43.5	32.3	48.5

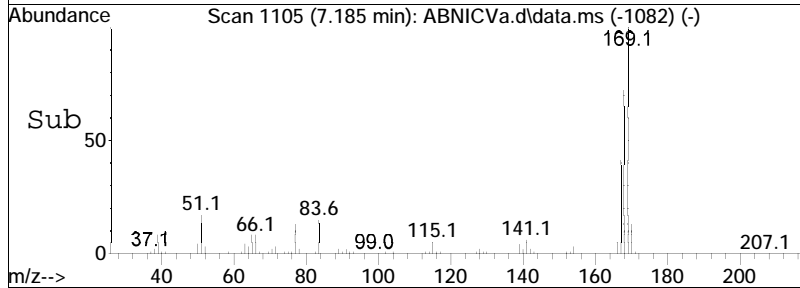
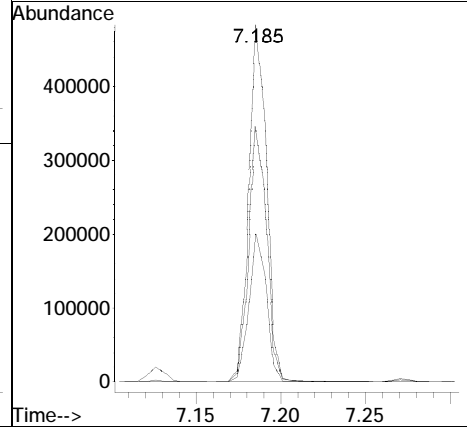
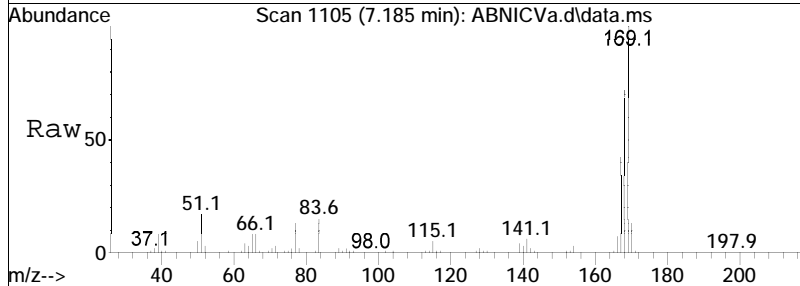


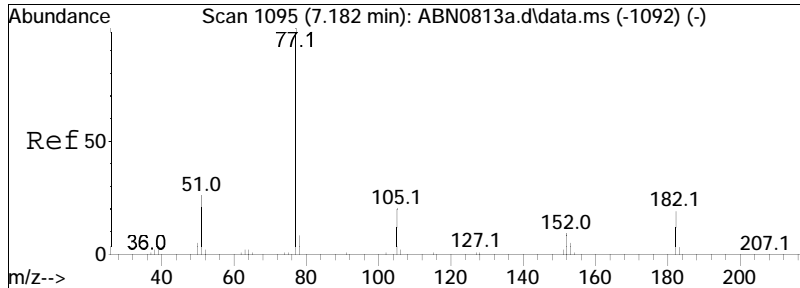




#77  
 NDPA/DPA  
 Concen: 45.58 ug/ml  
 RT: 7.185 min Scan# 1105  
 Delta R.T. -0.000 min  
 Lab File: ABNICVa.d  
 Acq: 2 Apr 2020 11:51 am

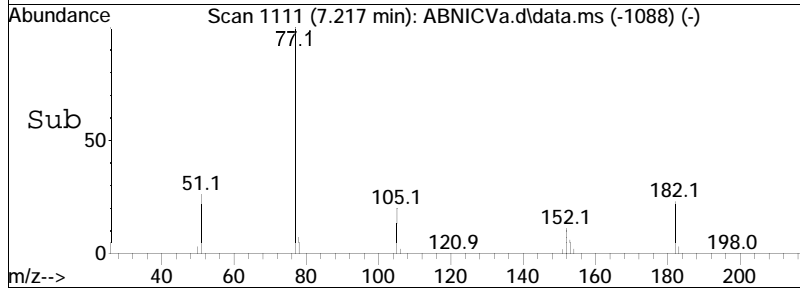
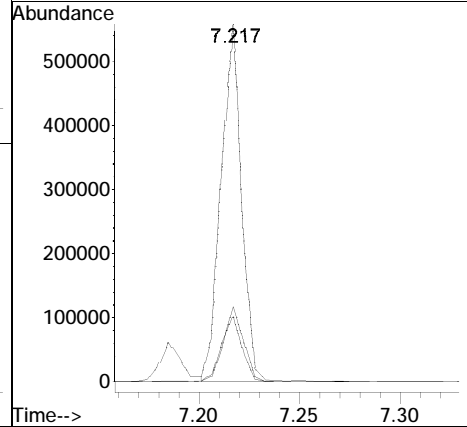
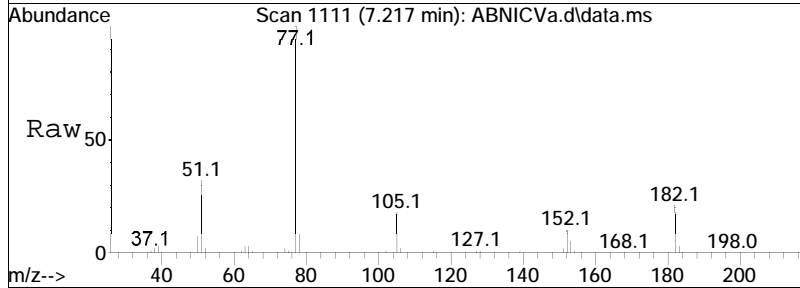
Tgt Ion	Resp	Lower	Upper
169	100		
168	72.1	54.6	82.0
167	41.1	30.7	46.1

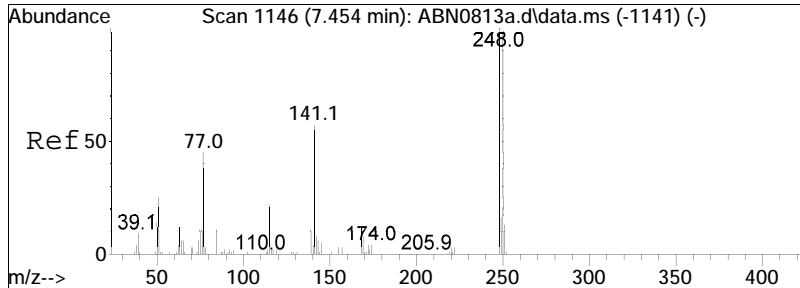




#78  
 Azobenzene  
 Concen: 46.11 ug/ml  
 RT: 7.217 min Scan# 1111  
 Delta R.T. -0.000 min  
 Lab File: ABNICVa.d  
 Acq: 2 Apr 2020 11:51 am

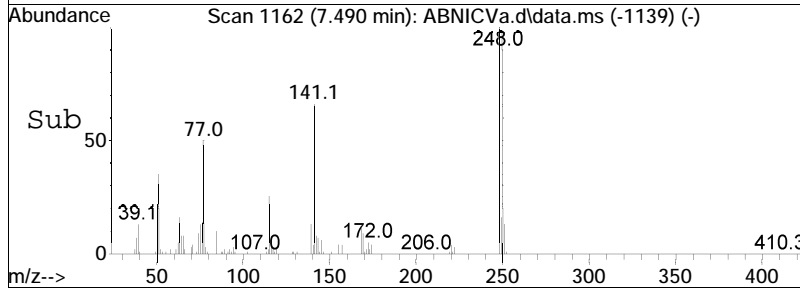
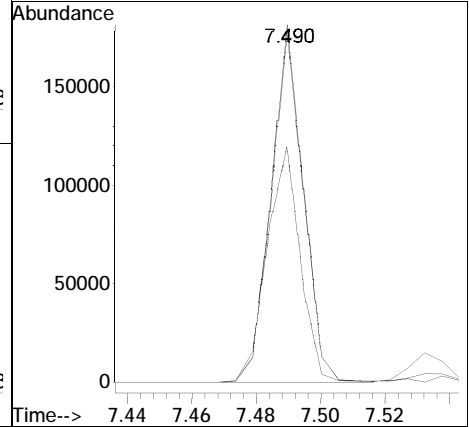
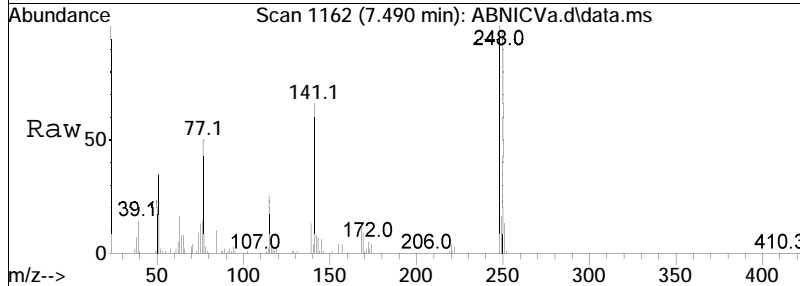
Tgt Ion:	Resp:		
Ion	Ratio	Lower	Upper
77	100		
182	21.1	19.8	29.8
105	18.7	12.1	18.1#

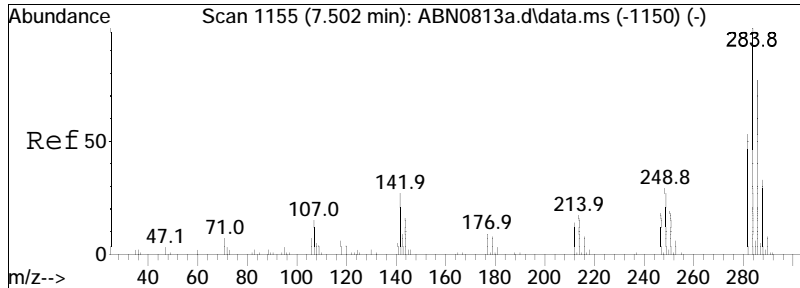




#80  
 4-Bromophenyl phenyl ether  
 Concen: 43.91 ug/ml  
 RT: 7.490 min Scan# 1162  
 Delta R.T. -0.000 min  
 Lab File: ABNICVa.d  
 Acq: 2 Apr 2020 11:51 am

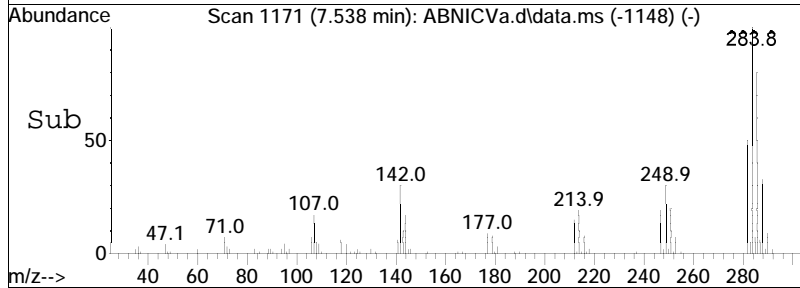
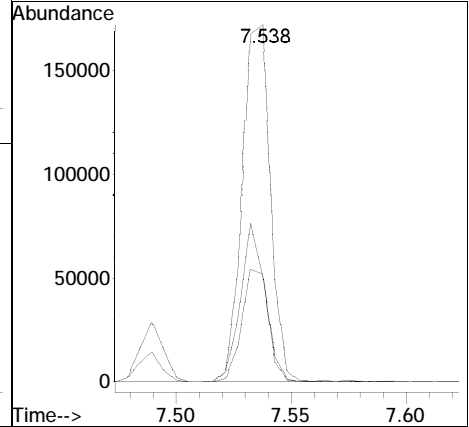
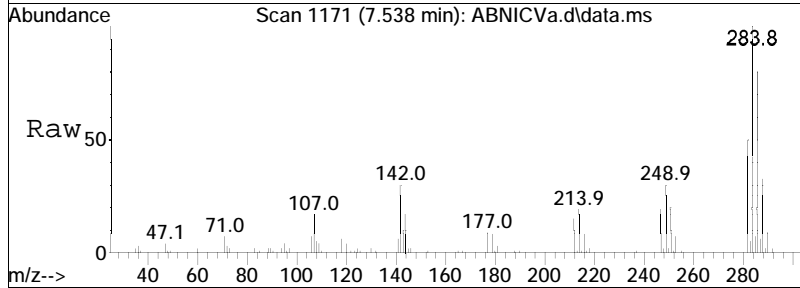
Tgt Ion	Resp	Lower	Upper
248	126148		
141	67.8	46.6	70.0
250	97.6	79.4	119.2

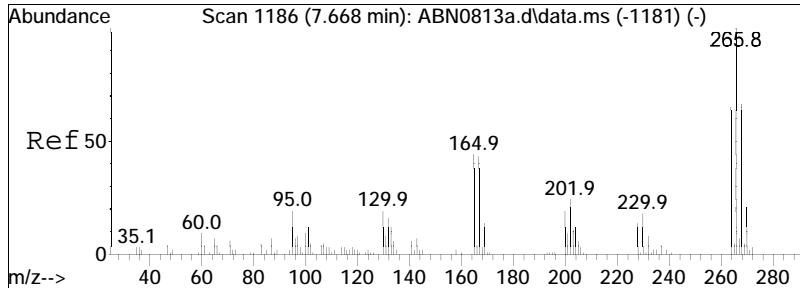




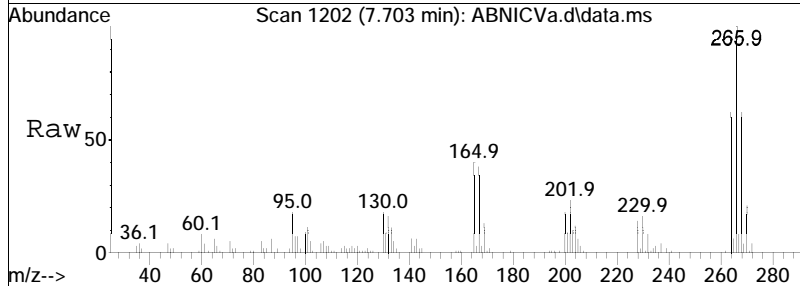
#81  
 Hexachlorobenzene  
 Concen: 43.36 ug/ml  
 RT: 7.538 min Scan# 1171  
 Delta R.T. -0.000 min  
 Lab File: ABNICVa.d  
 Acq: 2 Apr 2020 11:51 am

Tgt Ion	Resp	Lower	Upper
284	100		
142	38.5	26.0	39.0
249	30.9	20.6	30.8#

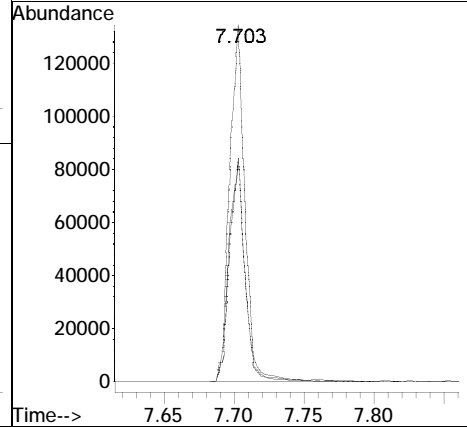
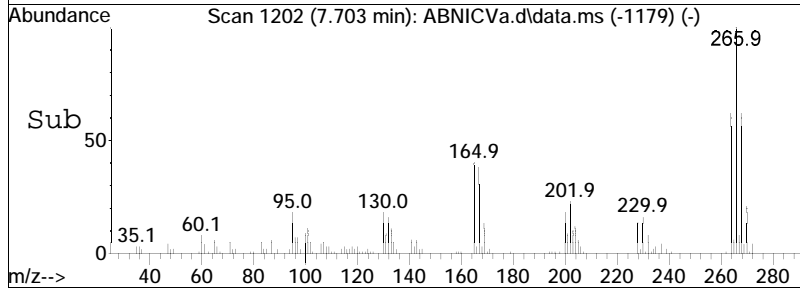


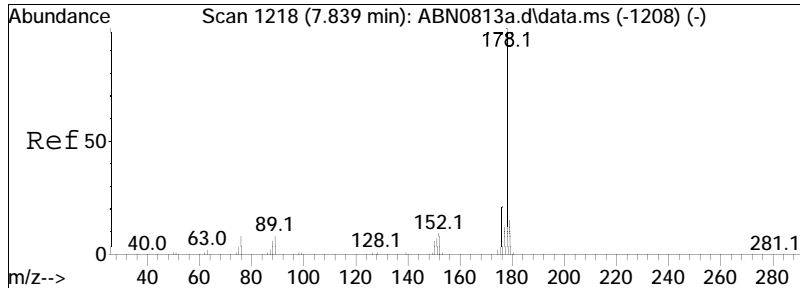


#82  
 Pentachlorophenol  
 Concen: 41.01 ug/ml  
 RT: 7.703 min Scan# 1202  
 Delta R.T. -0.000 min  
 Lab File: ABNICVa.d  
 Acq: 2 Apr 2020 11:51 am



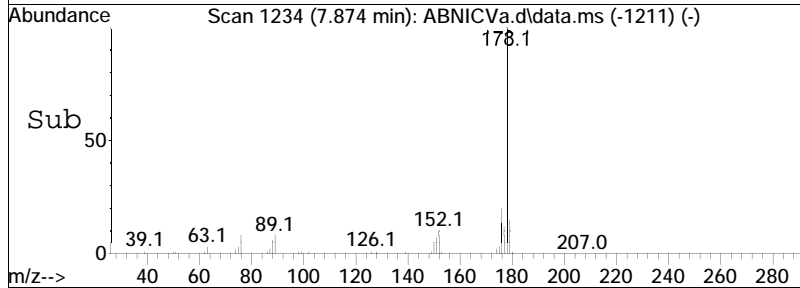
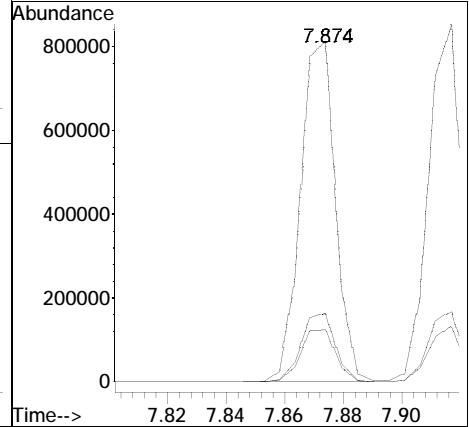
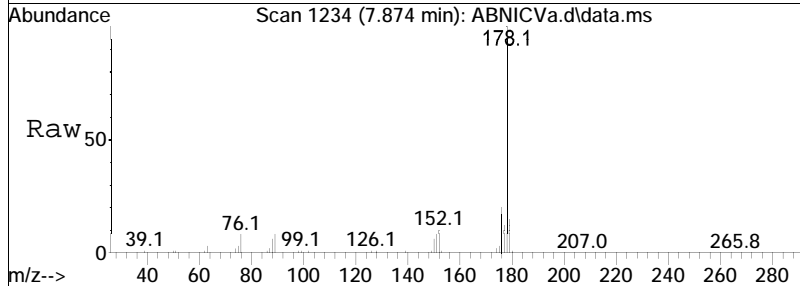
Tgt Ion	Resp	Lower	Upper
266	101736		
264	63.9	51.2	76.8
268	62.5	51.5	77.3

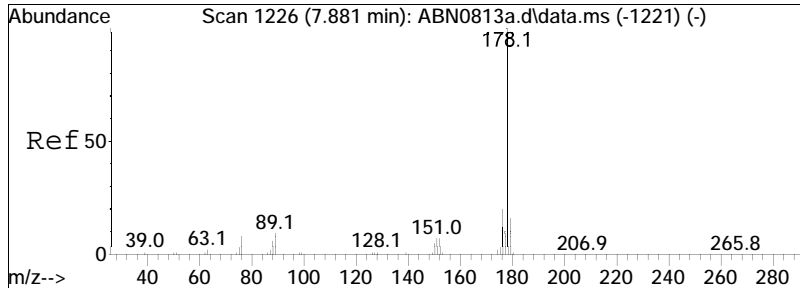




#89  
 Phenanthrene  
 Concen: 44.85 ug/ml  
 RT: 7.874 min Scan# 1234  
 Delta R.T. -0.000 min  
 Lab File: ABNICVa.d  
 Acq: 2 Apr 2020 11:51 am

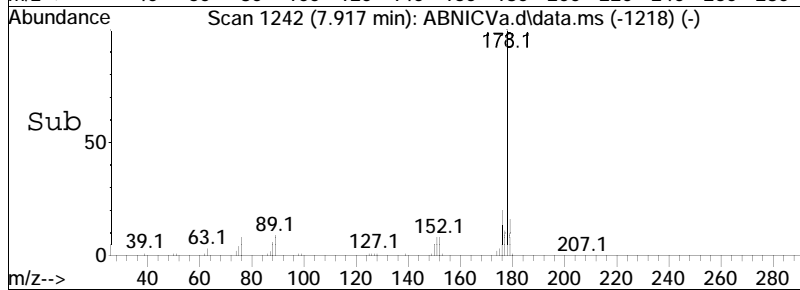
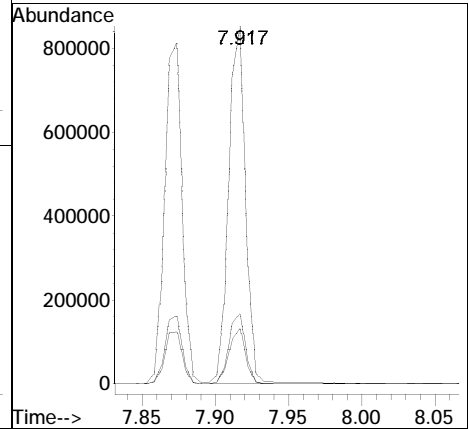
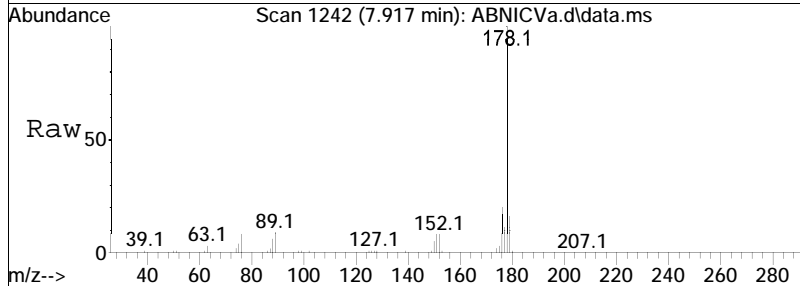
Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.7	19.1
176	19.8	15.8	23.6

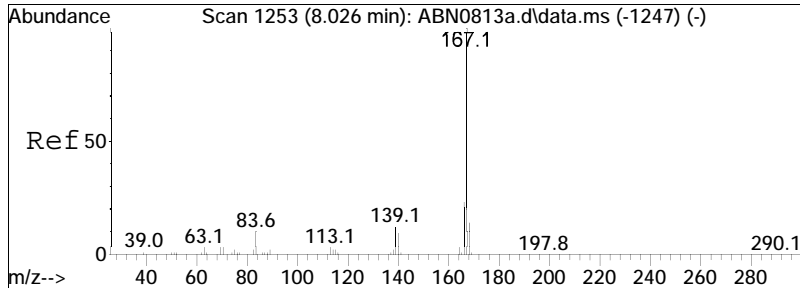




#90  
 Anthracene  
 Concen: 46.01 ug/ml  
 RT: 7.917 min Scan# 1242  
 Delta R.T. 0.005 min  
 Lab File: ABNICVa.d  
 Acq: 2 Apr 2020 11:51 am

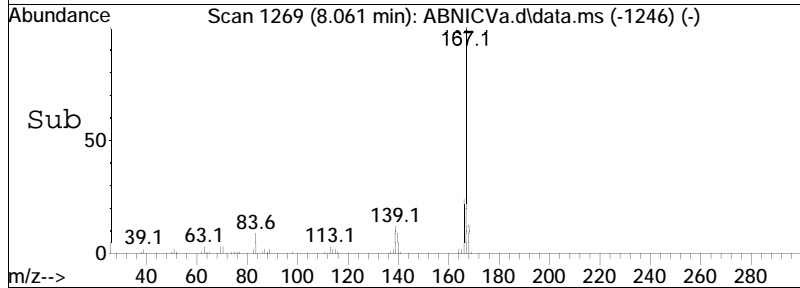
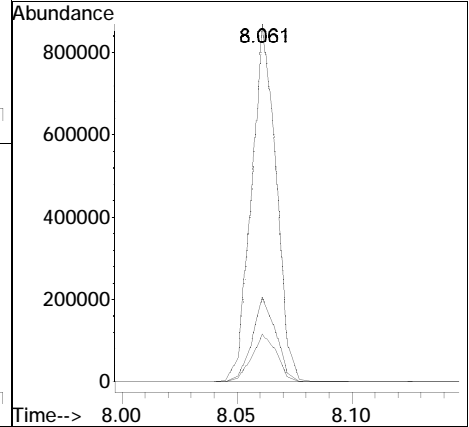
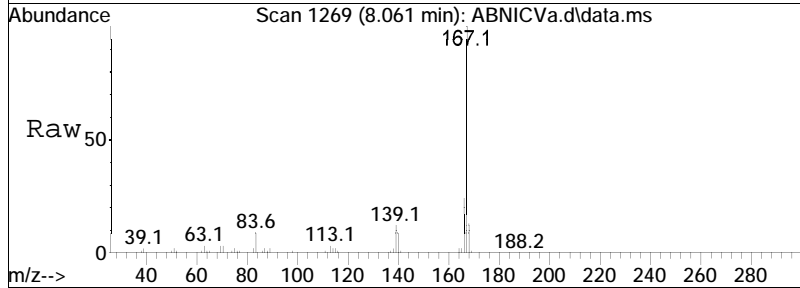
Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.3	12.5	18.7
176	19.5	15.4	23.0



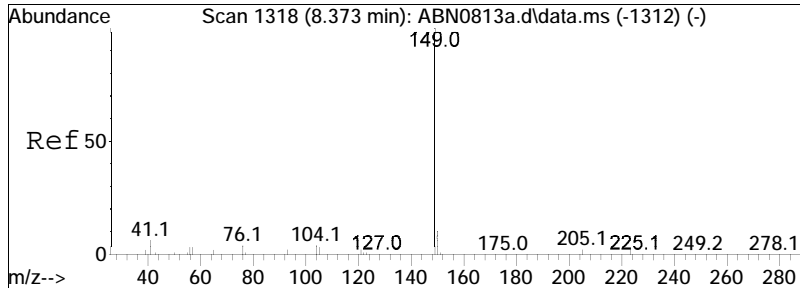


#91  
 Carbazole  
 Concen: 45.75 ug/ml  
 RT: 8.061 min Scan# 1269  
 Delta R.T. -0.000 min  
 Lab File: ABNICVa.d  
 Acq: 2 Apr 2020 11:51 am

Tgt Ion	Resp	Lower	Upper
167	100		
168	13.8	11.3	16.9
166	23.0	17.8	26.8

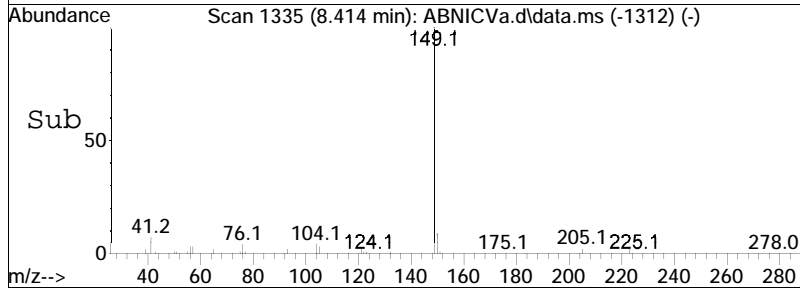
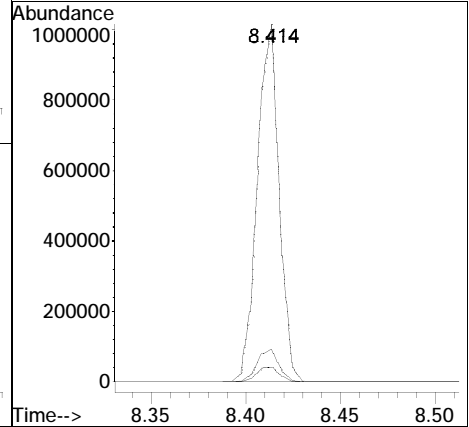
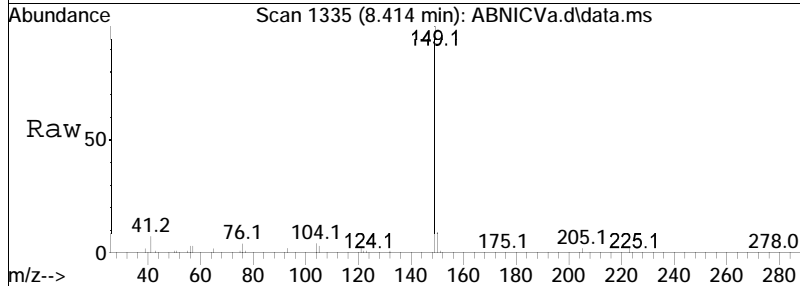


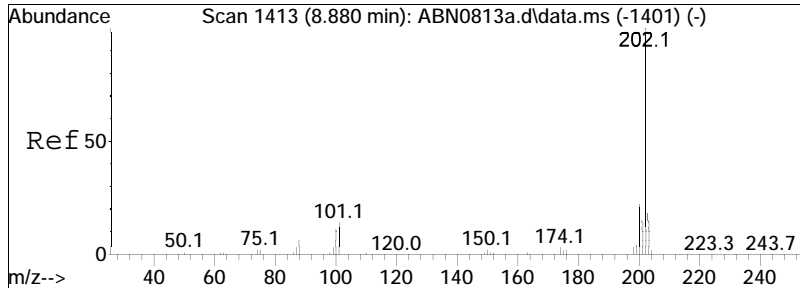




#92  
 Di-n-butylphthalate  
 Concen: 48.59 ug/ml  
 RT: 8.414 min Scan# 1335  
 Delta R.T. -0.000 min  
 Lab File: ABNICVa.d  
 Acq: 2 Apr 2020 11:51 am

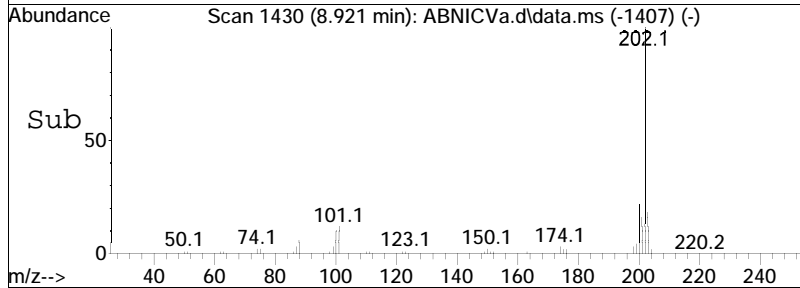
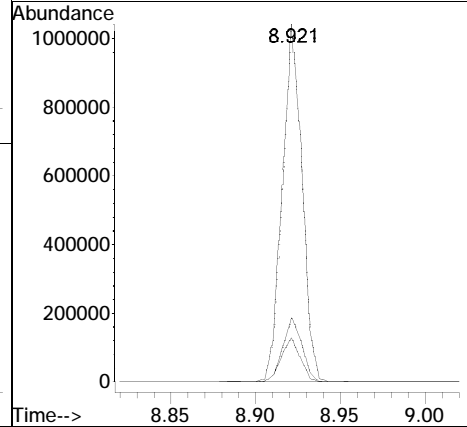
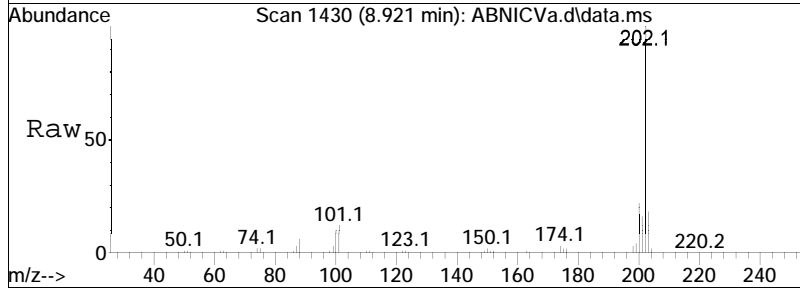
Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.4	11.2
104	4.3	3.8	5.8

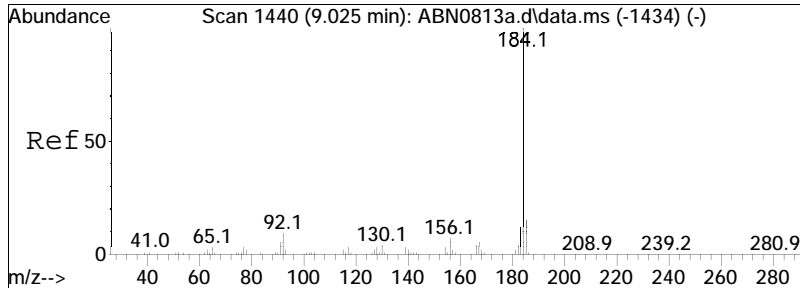




#93  
 Fluoranthene  
 Concen: 45.77 ug/ml  
 RT: 8.921 min Scan# 1430  
 Delta R.T. -0.000 min  
 Lab File: ABNICVa.d  
 Acq: 2 Apr 2020 11:51 am

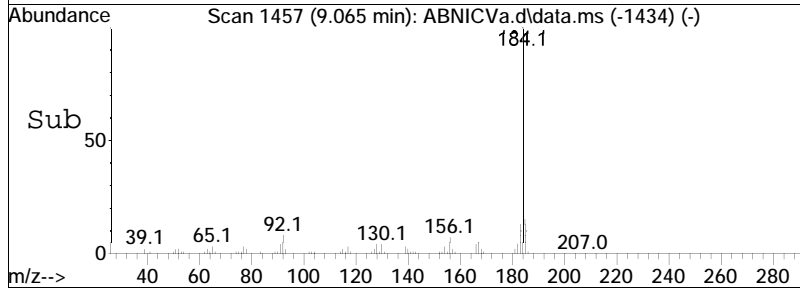
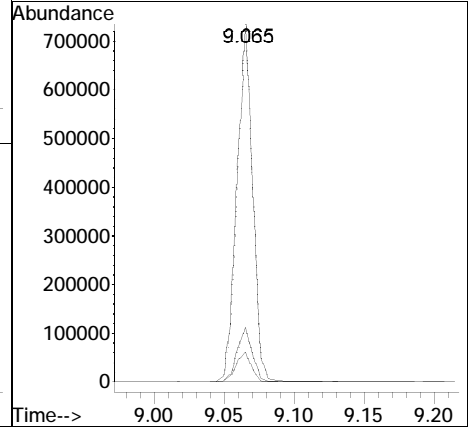
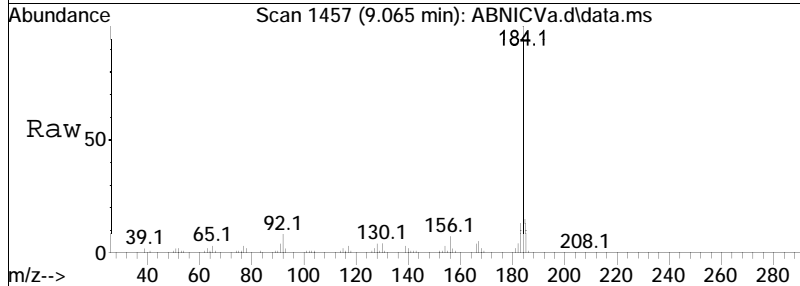
Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.2	12.6	19.0#
203	17.8	14.4	21.6

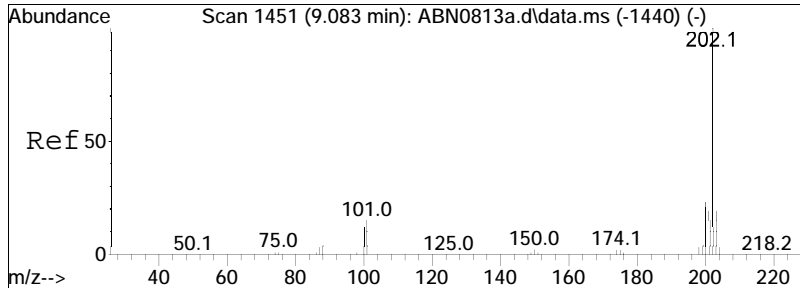




#94  
 Benzidine  
 Concen: 47.89 ug/ml  
 RT: 9.065 min Scan# 1457  
 Delta R.T. -0.000 min  
 Lab File: ABNICVa.d  
 Acq: 2 Apr 2020 11:51 am

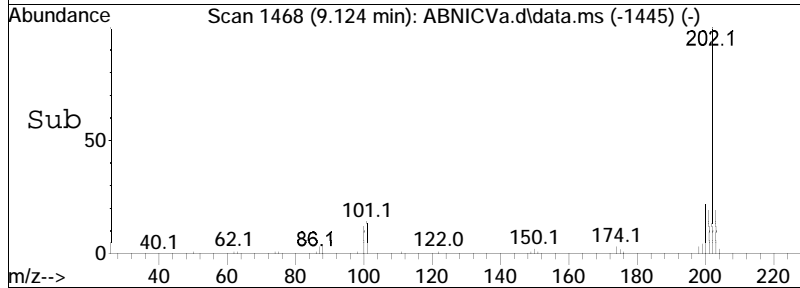
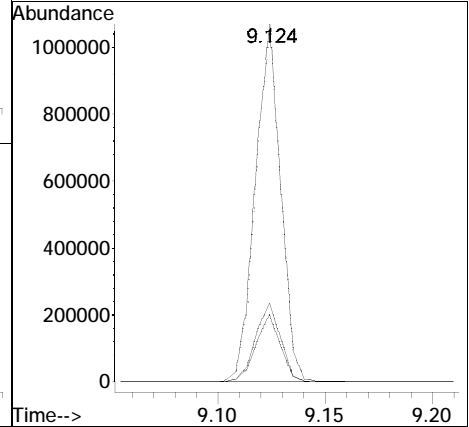
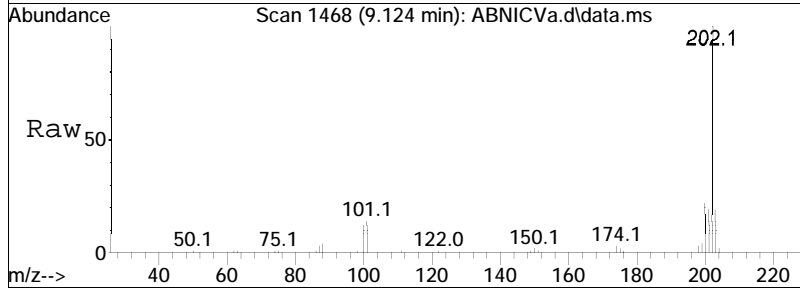
Tgt Ion	Ratio	Lower	Upper
184	100		
92	8.3	8.4	12.6#
185	15.0	11.5	17.3

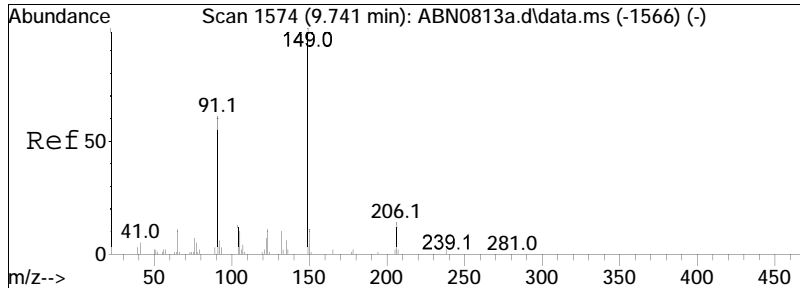




#95  
 Pyrene  
 Concen: 45.92 ug/ml  
 RT: 9.124 min Scan# 1468  
 Delta R.T. -0.000 min  
 Lab File: ABNICVa.d  
 Acq: 2 Apr 2020 11:51 am

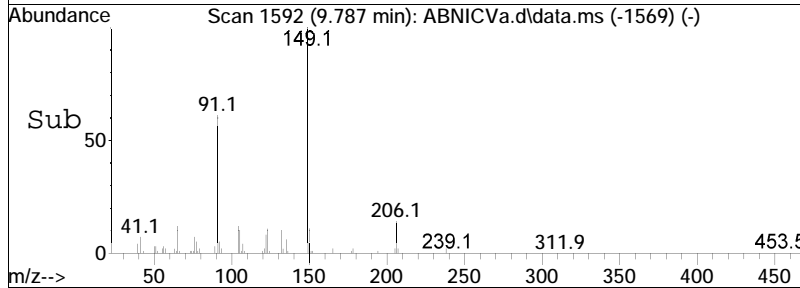
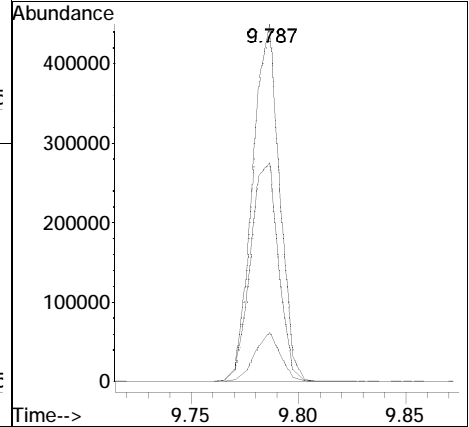
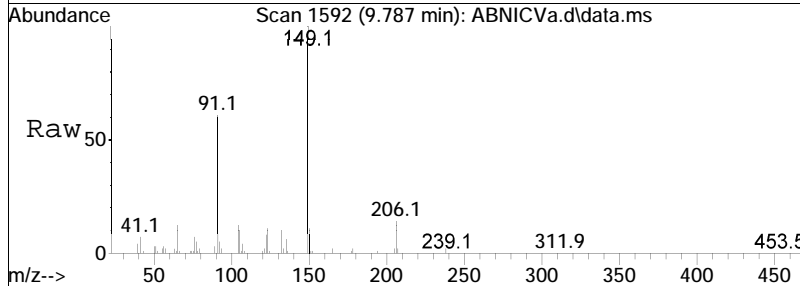
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.9	17.2	25.8
203	18.3	15.0	22.6

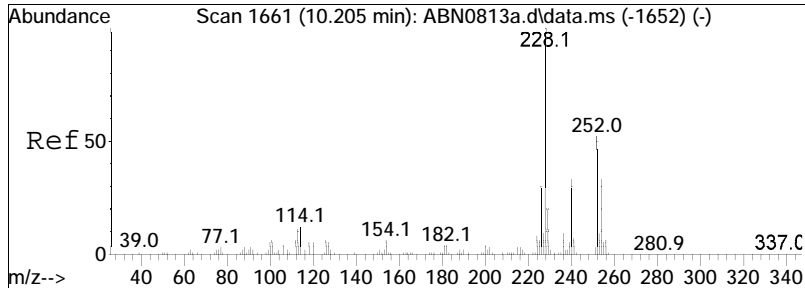




#97  
 Butyl benzyl phthalate  
 Concen: 48.55 ug/ml  
 RT: 9.787 min Scan# 1592  
 Delta R.T. -0.000 min  
 Lab File: ABNICVa.d  
 Acq: 2 Apr 2020 11:51 am

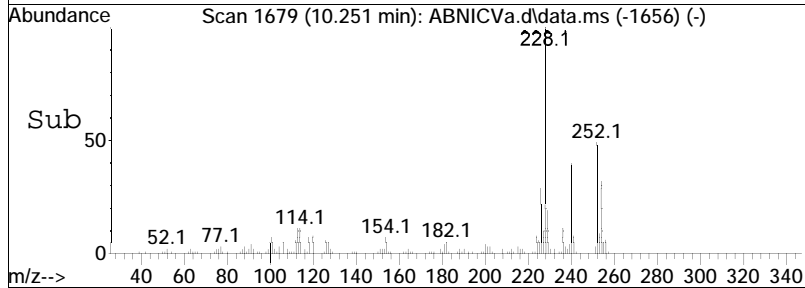
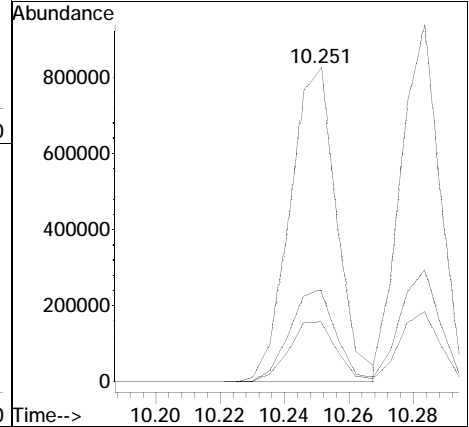
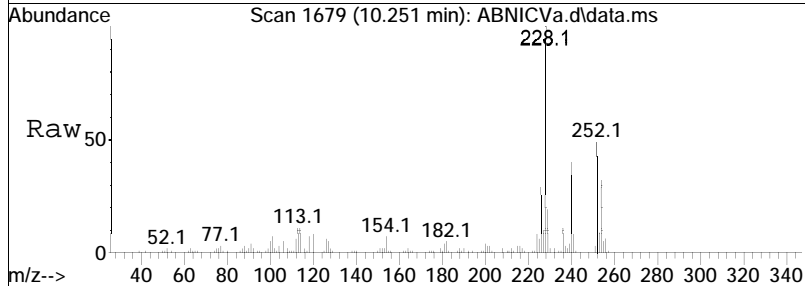
Tgt Ion	Ratio	Resp	Lower	Upper
149	100	388004		
91	63.8		53.4	80.2
206	13.2		13.3	19.9#

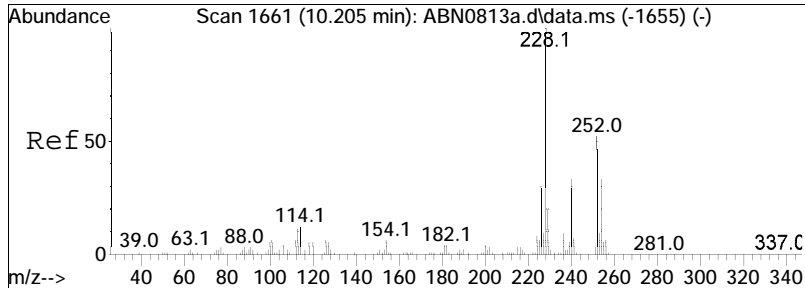




#105  
 Benzo(a)anthracene  
 Concen: 43.80 ug/ml  
 RT: 10.251 min Scan# 1679  
 Delta R.T. -0.000 min  
 Lab File: ABNICVa.d  
 Acq: 2 Apr 2020 11:51 am

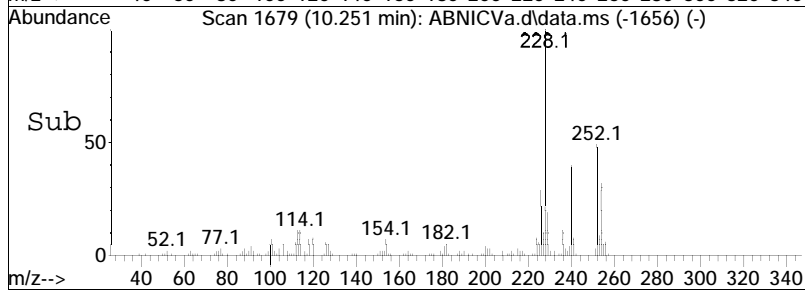
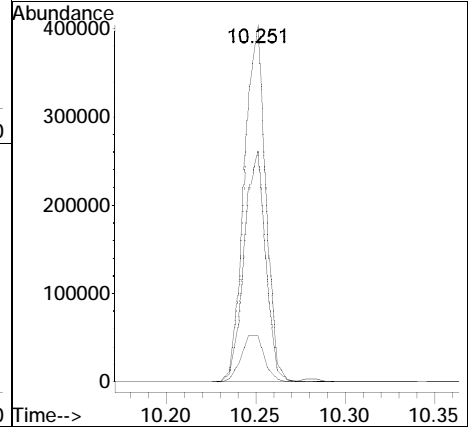
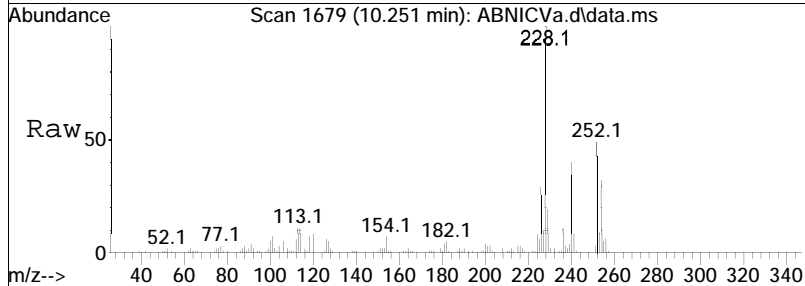
Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.2	22.9	34.3
229	19.7	16.1	24.1

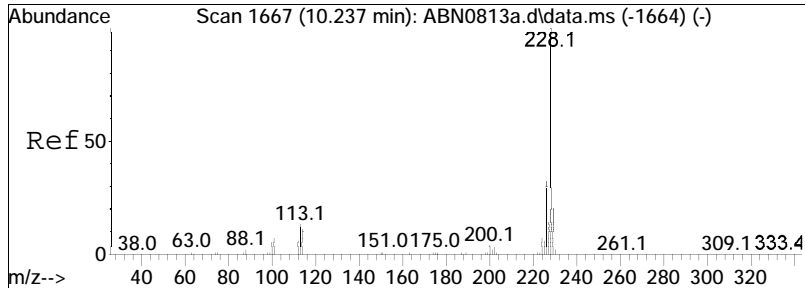




#106  
 3,3'-Dichlorobenzidine  
 Concen: 46.21 ug/ml  
 RT: 10.251 min Scan# 1679  
 Delta R.T. -0.000 min  
 Lab File: ABNICVa.d  
 Acq: 2 Apr 2020 11:51 am

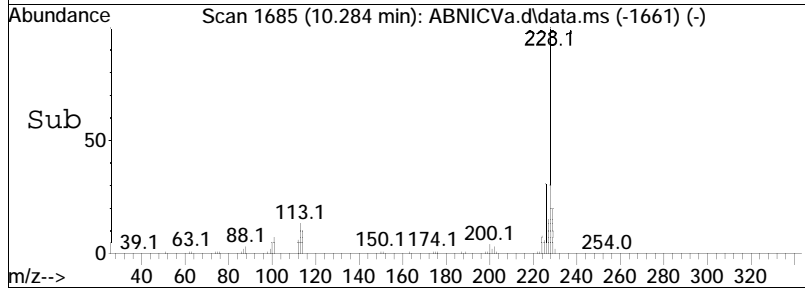
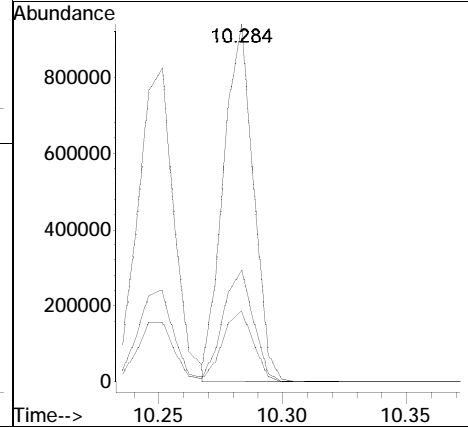
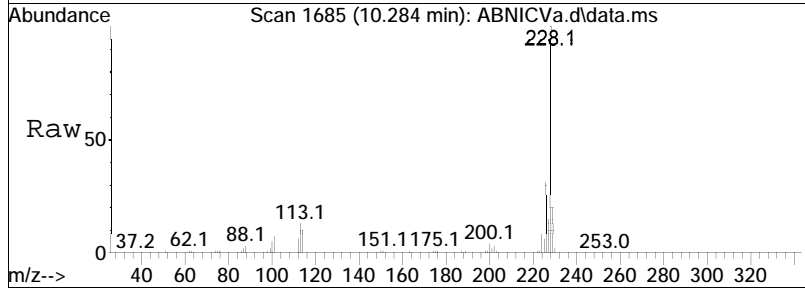
Tgt Ion	Ratio	Lower	Upper
252	100		
126	14.4	13.4	20.0
254	64.9	52.8	79.2



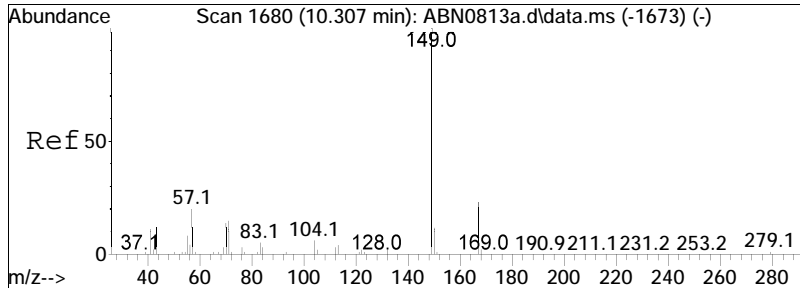


#107  
 Chrysene  
 Concen: 43.45 ug/ml  
 RT: 10.284 min Scan# 1685  
 Delta R.T. 0.005 min  
 Lab File: ABNICVa.d  
 Acq: 2 Apr 2020 11:51 am

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.7	24.9	37.3
229	20.2	16.6	24.8

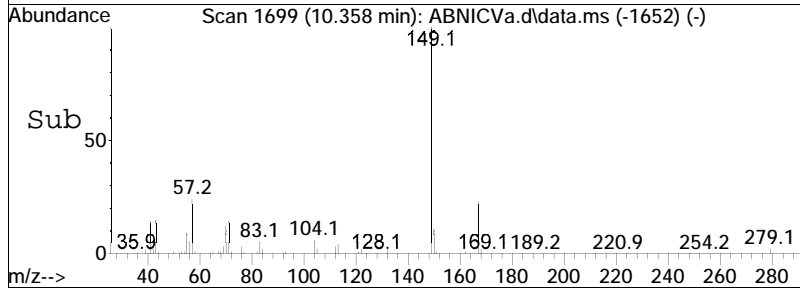
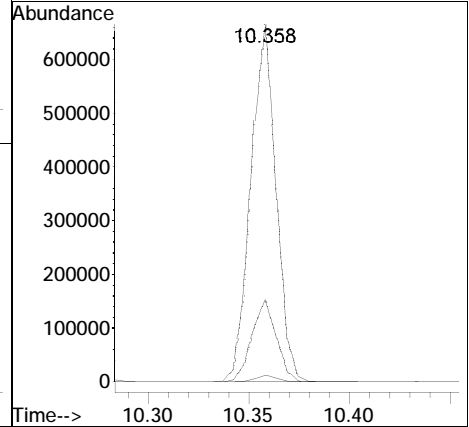
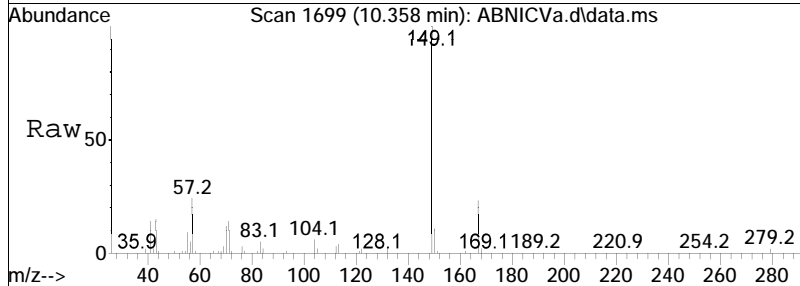


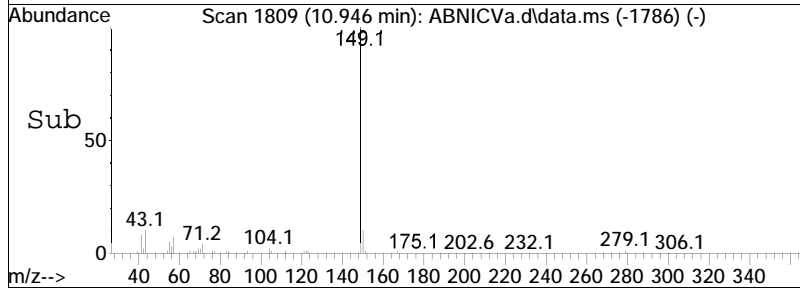
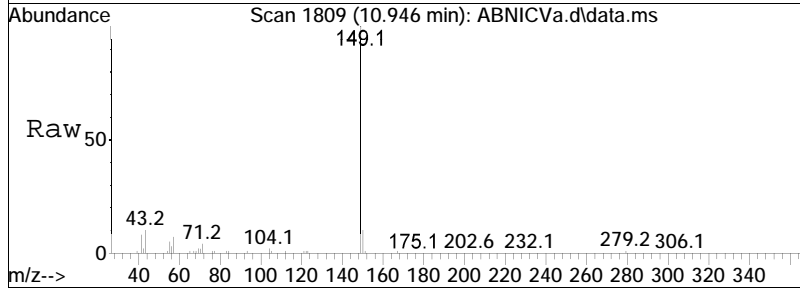
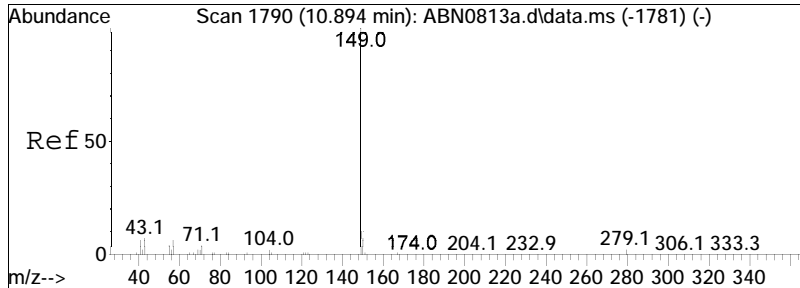




#108  
 Bis(2-ethylhexyl)phthalate  
 Concen: 49.94 ug/ml  
 RT: 10.358 min Scan# 1699  
 Delta R.T. -0.000 min  
 Lab File: ABNICVa.d  
 Acq: 2 Apr 2020 11:51 am

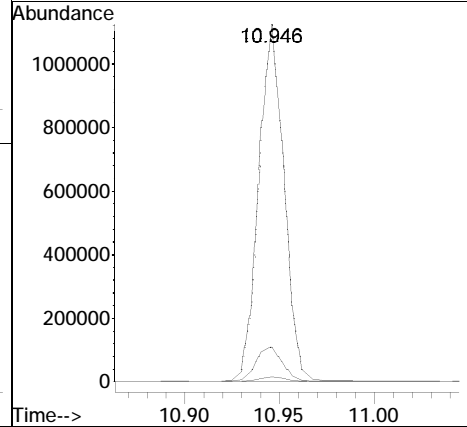
Tgt Ion	Ratio	Lower	Upper
149	100		
167	22.4	21.2	31.8
279	1.5	3.8	5.6#

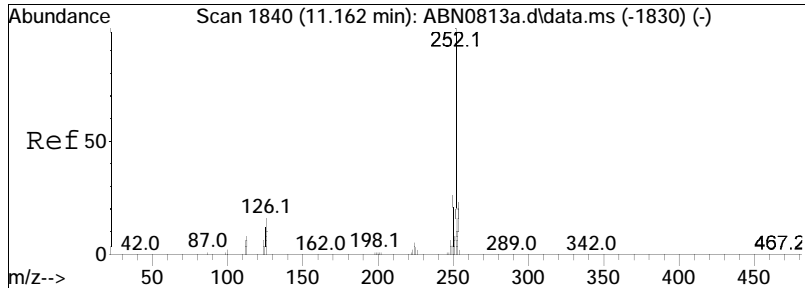




#109  
 Di-n-octylphthalate  
 Concen: 49.40 ug/ml  
 RT: 10.946 min Scan# 1809  
 Delta R.T. -0.000 min  
 Lab File: ABNICVa.d  
 Acq: 2 Apr 2020 11:51 am

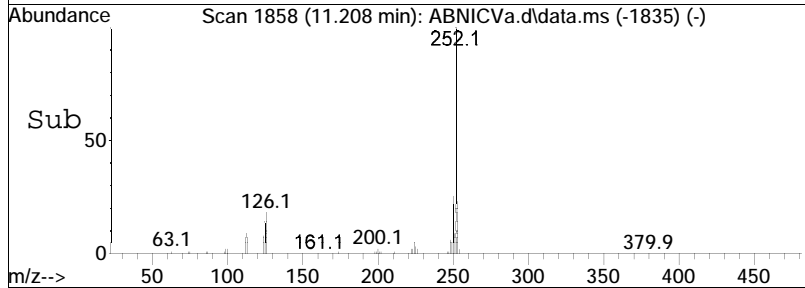
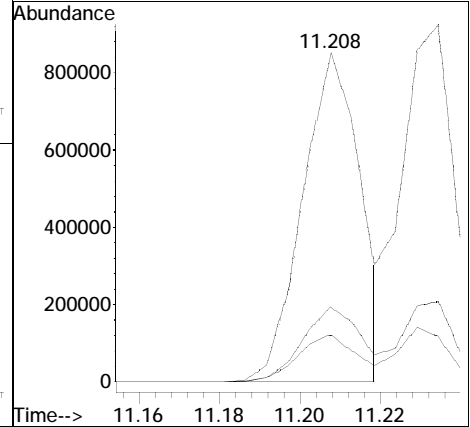
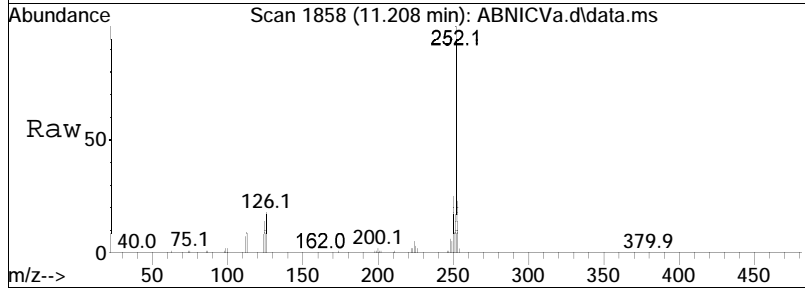
Tgt Ion	Ratio	Lower	Upper
149	100		
43	10.2	8.0	12.0
167	1.2	1.0	1.6

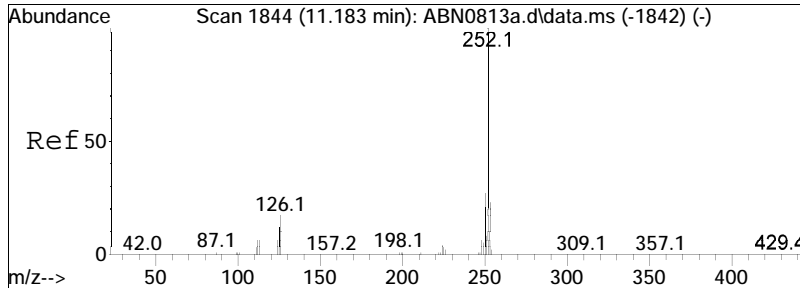




#110  
 Benzo(b)fluoranthene  
 Concen: 42.28 ug/ml  
 RT: 11.208 min Scan# 1858  
 Delta R.T. -0.000 min  
 Lab File: ABNICVa.d  
 Acq: 2 Apr 2020 11:51 am

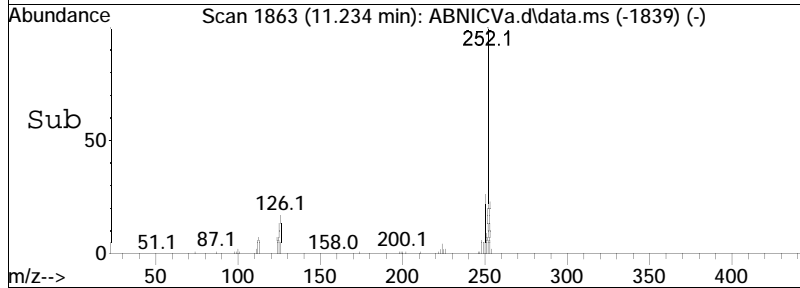
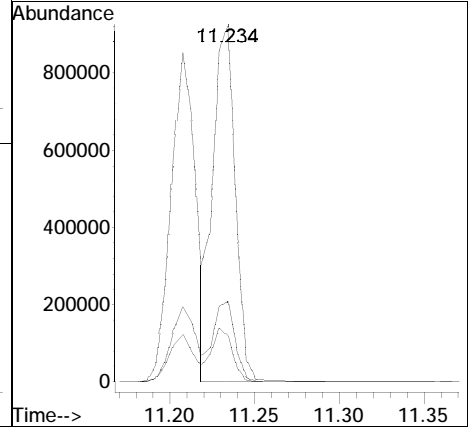
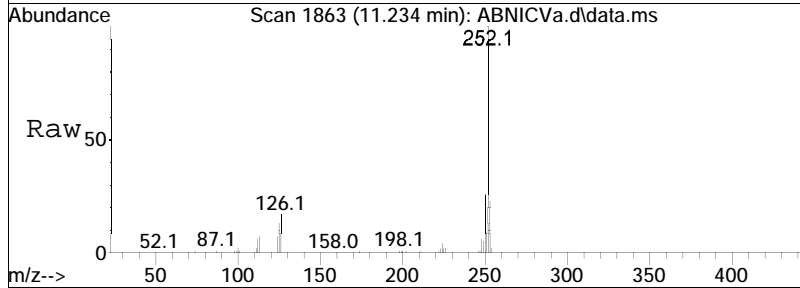
Tgt Ion	Ratio	Lower	Upper
252	100		
125	14.6	12.6	18.8
253	22.8	18.2	27.2

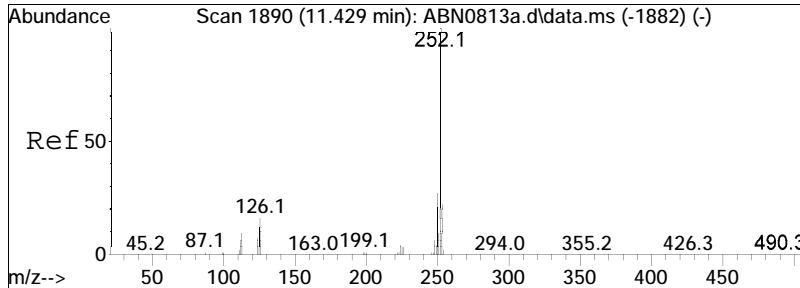




#111  
 Benzo(k)fluoranthene  
 Concen: 47.37 ug/ml  
 RT: 11.234 min Scan# 1863  
 Delta R.T. 0.005 min  
 Lab File: ABNICVa.d  
 Acq: 2 Apr 2020 11:51 am

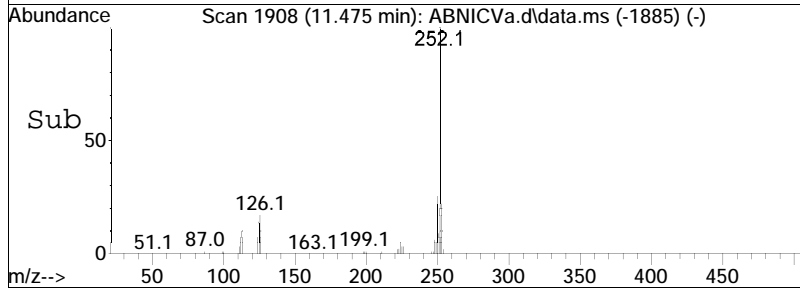
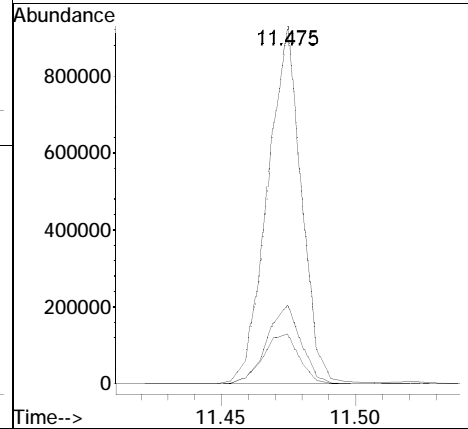
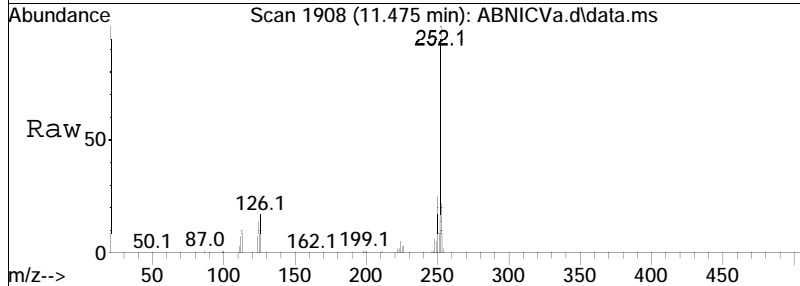
Tgt Ion	Resp	Lower	Upper
252	100		
125	14.1	12.1	18.1
253	22.3	18.1	27.1

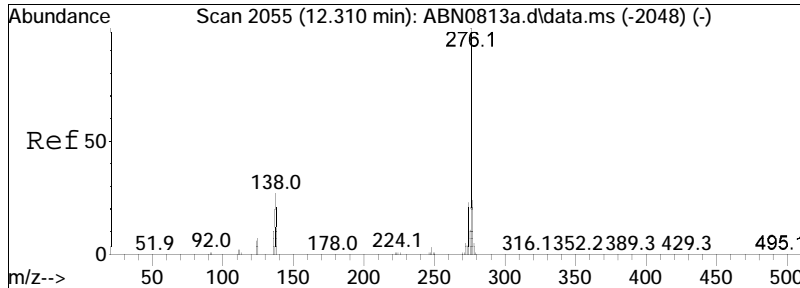




#112  
 Benzo(a)pyrene  
 Concen: 44.54 ug/ml  
 RT: 11.475 min Scan# 1908  
 Delta R.T. -0.000 min  
 Lab File: ABNICVa.d  
 Acq: 2 Apr 2020 11:51 am

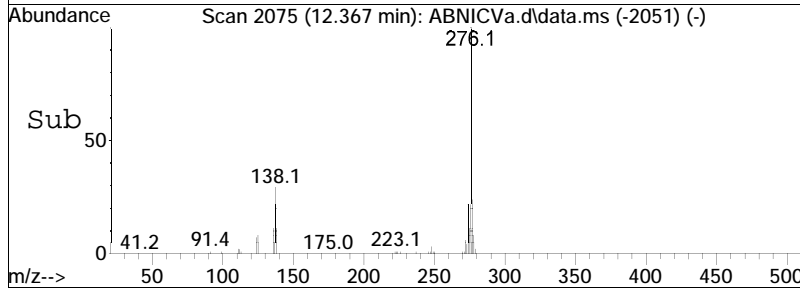
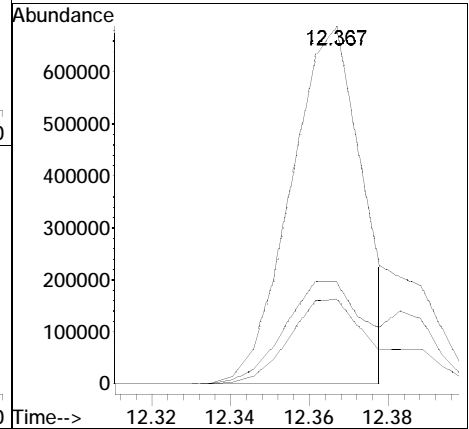
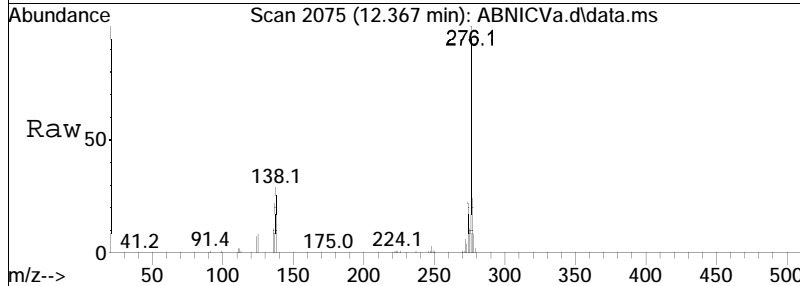
Tgt Ion	Ratio	Lower	Upper
252	100		
125	15.3	13.3	19.9
253	22.4	18.2	27.4

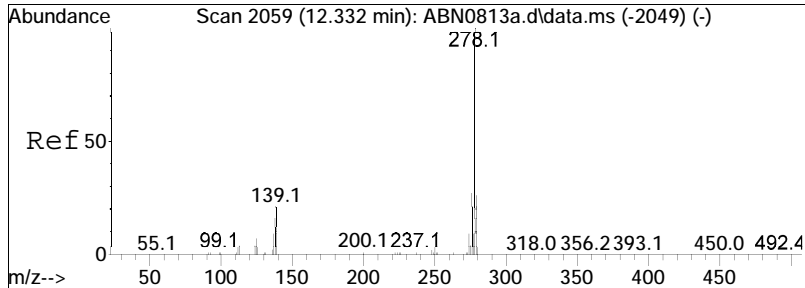




#114  
 Indeno(1,2,3-cd)pyrene  
 Concen: 42.80 ug/mL M3  
 RT: 12.367 min Scan# 2075  
 Delta R.T. 0.005 min  
 Lab File: ABNICVa.d  
 Acq: 2 Apr 2020 11:51 am

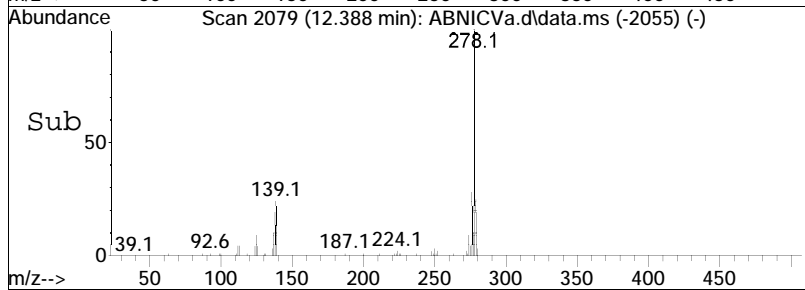
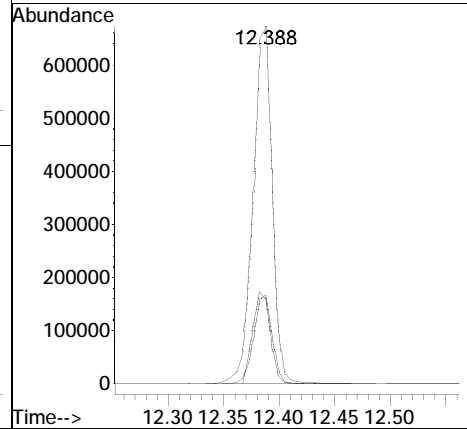
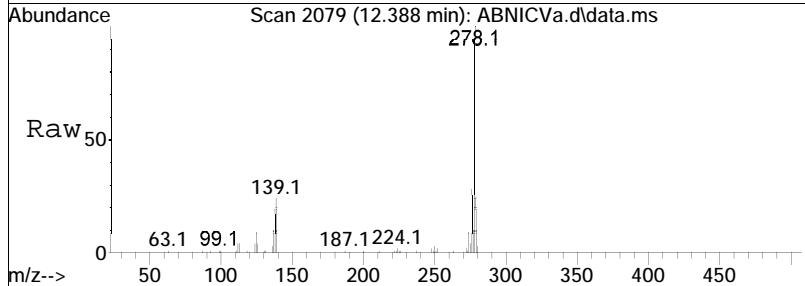
Tgt Ion	Ratio	Lower	Upper
276	100		
138	45.4	26.7	40.1#
277	31.8	20.4	30.6#

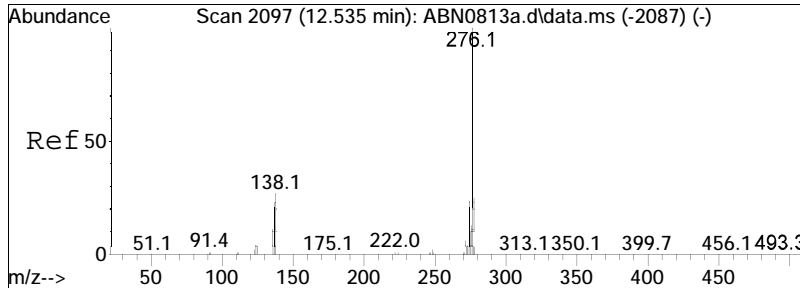




#115  
 Dibenzo(a,h)anthracene  
 Concen: 44.96 ug/ml  
 RT: 12.388 min Scan# 2079  
 Delta R.T. 0.005 min  
 Lab File: ABNICVa.d  
 Acq: 2 Apr 2020 11:51 am

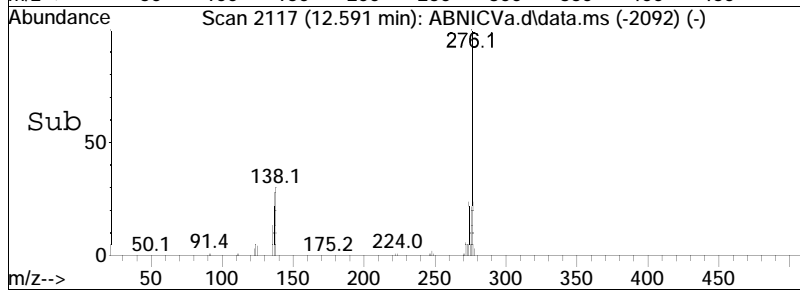
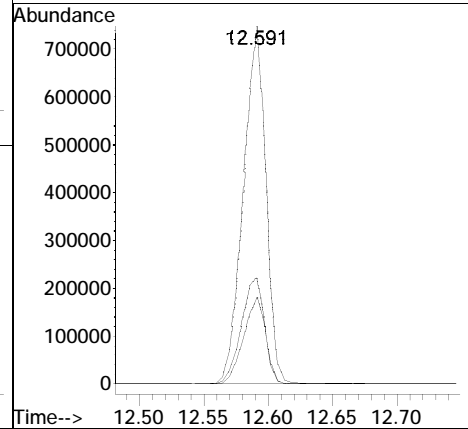
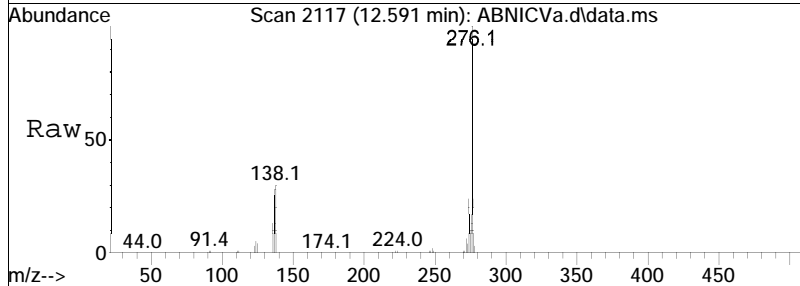
Tgt Ion	Ratio	Lower	Upper
278	100		
139	23.9	18.2	27.4
279	23.9	19.3	28.9





#116  
 Benzo(ghi)perylene  
 Concen: 45.77 ug/ml  
 RT: 12.591 min Scan# 2117  
 Delta R.T. 0.011 min  
 Lab File: ABNICVa.d  
 Acq: 2 Apr 2020 11:51 am

Tgt Ion	Ratio	Lower	Upper
276	100		
138	30.6	26.1	39.1
277	24.0	19.4	29.0

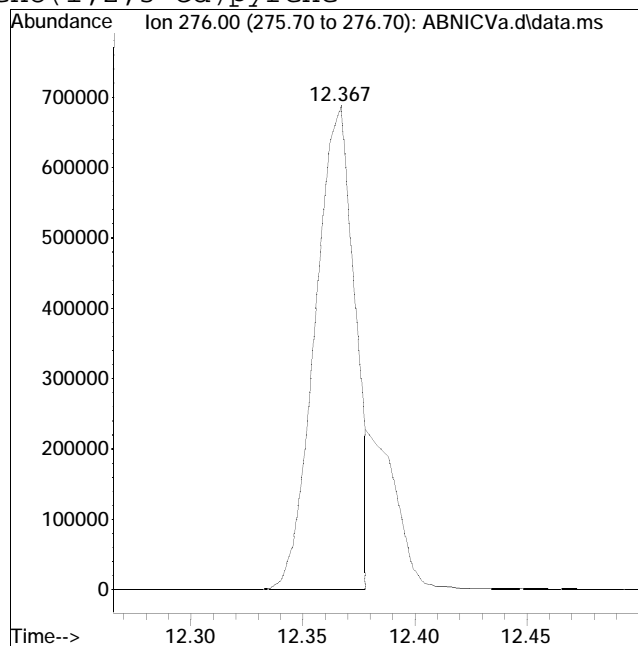
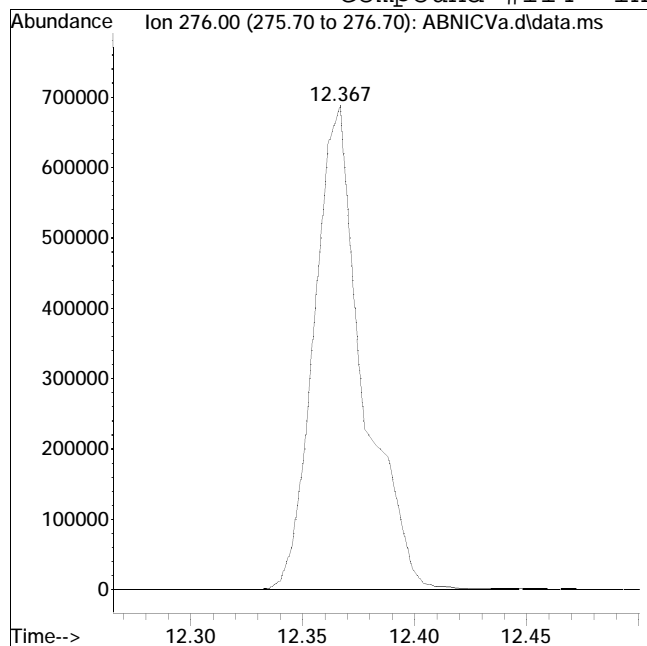




Manual Integration Report

Data Path : I:\8270\GCMS5\200401nical\QMethod : FS200401gcms5.m  
Data File : ABNICVa.d Operator : gcms5:ek  
Date Inj'd : 4/2/2020 11:51 am Instrument : GCMS5  
Sample : CQICV1,32,,ABNICV Lot# 852Quant Date : 4/2/2020 12:37 pm

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 1042031

Manual Peak Response = 864011 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Response Factor Report Buffy

Method Path : I:\8270\Buffy\201120ical\  
 Method File : FS201120buffy.m  
 Title : Semivolatiles by GC/MS by modified 8270  
 Last Update : Tue Nov 24 17:06:43 2020  
 Response Via : Initial Calibration

Calibration Files

1.0 =AP9L1.D 2.0 =AP9L2.D 3.0 =AP9L3.D 5.0 =AP9L4.D 10 =AP9L5.D 20 =AP9L6.D 50 =AP9L7.D  
 100 =AP9L8.D 150 =AP9L9.D 200 =AP9L10.D

Compound	1.0	2.0	3.0	5.0	10	20	50	100	150	200	Avg	%RSD
1) I IS1_1,4-Dichlorobenzene-d4	-----ISTD-----											
2) t N-Nitrosodimethylamine	0.907	0.715	0.692	0.694	0.707	0.675	0.666	0.655	0.645	0.627	0.698	11.21
3) t Pyridine	1.747	1.339	1.159	1.273	1.296	1.247	1.223	1.206	1.188	1.177	1.285	13.35
4) S 2-Fluorophenol	1.407	1.165	1.076	1.137	1.130	1.110	1.118	1.090	1.083	1.038	1.135	8.98
5) T Aniline	2.193	2.033	1.760	1.854	1.789	1.794	1.745	1.736	1.689	1.582	1.818	9.65
6) t 2-Chlorophenol	1.521	1.361	1.226	1.366	1.311	1.296	1.282	1.266	1.248	1.196	1.307	7.06
7) S Phenol-d6	1.550	1.437	1.306	1.371	1.388	1.343	1.334	1.331	1.312	1.240	1.361	6.20
8) T Phenol	1.825	1.678	1.527	1.513	1.561	1.520	1.513	1.494	1.470	1.380	1.548	7.91
9) T bis(2-Chloroethyl)ether	1.264	1.197	1.040	1.100	1.059	1.037	1.002	0.990	0.970	0.925	1.058	9.84
10) T 1,3-Dichlorobenzene	1.931	1.747	1.578	1.633	1.572	1.496	1.470	1.436	1.412	1.341	1.562	11.22
11) T 1,4-Dichlorobenzene	2.045	1.684	1.536	1.583	1.569	1.518	1.467	1.450	1.417	1.368	1.564	12.27
12) T 1,2-Dichlorobenzene	1.947	1.740	1.544	1.537	1.492	1.483	1.431	1.393	1.359	1.287	1.521	12.74
13) t Benzyl alcohol	1.044	0.996	0.897	0.942	0.953	0.945	0.945	0.967	0.950	0.903	0.954	4.45
14) T bis(2-chloroisopropyl)ether	2.244	1.911	1.694	1.742	1.743	1.687	1.672	1.624	1.579	1.433	1.733	12.55
15) T 2-Methylphenol	1.297	1.198	1.044	1.107	1.158	1.093	1.084	1.090	1.079	1.033	1.118	7.12
16) T Hexachloroethane	0.786	0.659	0.573	0.595	0.581	0.579	0.556	0.552	0.548	0.524	0.595	12.79
17) T n-Nitrosodi-n-propylamine	1.081	0.867	0.838	0.796	0.821	0.797	0.794	0.806	0.812	0.751	0.836	10.91
18) T 3-Methylphenol/4-Methylphenol	1.301	1.237	1.141	1.146	1.187	1.149	1.154	1.170	1.150	1.097	1.173	4.90
19) S Nitrobenzene-d5	1.491	1.392	1.174	1.249	1.248	1.193	1.202	1.221	1.208	1.160	1.254	8.42
20) T Nitrobenzene	1.422	1.307	1.174	1.188	1.200	1.178	1.162	1.162	1.146	1.097	1.203	7.76
21) T Isophorone	2.645	2.369	2.222	2.277	2.329	2.186	2.176	2.205	2.203	2.103	2.271	6.70
22) T 2-Nitrophenol			0.579	0.626	0.665	0.648	0.658	0.692	0.696	0.667	0.654	5.79
23) T 2,4-Dimethylphenol	1.444	1.285	1.140	1.223	1.278	1.205	1.223	1.254	1.250	1.206	1.251	6.37
24) T bis(2-Chloroethoxy)methane	1.867	1.607	1.436	1.490	1.491	1.405	1.366	1.405	1.386	1.299	1.475	10.93
25) T 2,4-Dichlorophenol	1.242	1.207	1.092	1.151	1.192	1.130	1.140	1.164	1.159	1.124	1.160	3.76
26) T 1,2,4-Trichlorobenzene	1.701	1.416	1.340	1.350	1.301	1.274	1.261	1.263	1.251	1.218	1.337	10.48
27) I IS2_1,4-Dichlorobenzene-d4	-----ISTD-----											
28) T Benzaldehyde				1.068	1.043	1.025	0.999	0.977	0.957	1.032	1.014	3.85
29) T Acetophenone			1.726	1.735	1.763	1.723	1.648	1.627	1.578	1.690	1.686	3.74
30) T m-Toluidine		1.729	1.644	1.687	1.717	1.747	1.666	1.658	1.606	1.729	1.687	2.78
31) T 2-Chloroaniline		1.578	1.531	1.602	1.615	1.600	1.538	1.530	1.480	1.589	1.563	2.87
32) I IS3_1,4-Dichlorobenzene-d4	-----ISTD-----											
33) T 1,4-Dioxane	0.682	0.554	0.488	0.438	0.401	0.388	0.380	0.449	0.424	0.414	*L	0.9975
34) T n-Decane	1.514	1.250	1.200	1.190	1.137	1.084	1.019	1.193	1.115	1.072	1.177	11.67
35) I IS1_Naphthalene-d8	-----ISTD-----											
36) T Naphthalene	1.363	1.214	1.102	1.063	1.079	1.032	0.987	0.945	0.913	0.847	1.054	14.25
37) T Benzoic Acid					0.217	0.228	0.253	0.273	0.276	0.265	0.252	9.69
38) T 4-Chloroaniline	0.138	0.122	0.114	0.114	0.119	0.118	0.113	0.113	0.111	0.106	0.117	7.33
39) T Hexachlorobutadiene	0.270	0.236	0.220	0.208	0.210	0.198	0.195	0.192	0.192	0.190	0.211	12.04
40) T p-Chloro-m-cresol	0.315	0.294	0.281	0.274	0.295	0.294	0.286	0.288	0.286	0.273	0.289	4.24
41) T 2-Methylnaphthalene	0.910	0.812	0.769	0.733	0.751	0.710	0.685	0.682	0.666	0.627	0.734	11.15
42) T 1-Methylnaphthalene	0.284	0.254	0.231	0.231	0.232	0.223	0.215	0.215	0.214	0.205	0.230	10.13
43) T Hexachlorocyclopentadiene			0.248	0.257	0.264	0.261	0.259	0.273	0.273	0.268	0.263	3.21
44) T 2,4,6-Trichlorophenol		0.222	0.209	0.230	0.238	0.230	0.232	0.246	0.240	0.230	0.231	4.65
45) T 2,4,5-Trichlorophenol		0.258	0.255	0.247	0.273	0.260	0.254	0.250	0.258	0.252	0.256	2.89

## Response Factor Report Buffy

Method Path : I:\8270\Buffy\201120ical\  
 Method File : FS201120buffy.m  
 Title : Semivolatiles by GC/MS by modified 8270  
 Last Update : Tue Nov 24 17:06:43 2020  
 Response Via : Initial Calibration

## Calibration Files

1.0 =AP9L1.D 2.0 =AP9L2.D 3.0 =AP9L3.D 5.0 =AP9L4.D 10 =AP9L5.D 20 =AP9L6.D 50 =AP9L7.D  
 100 =AP9L8.D 150 =AP9L9.D 200 =AP9L10.D

Compound	1.0	2.0	3.0	5.0	10	20	50	100	150	200	Avg	%RSD
46) S 2-Fluorobiphenyl	1.131	0.969	0.881	0.870	0.868	0.824	0.791	0.781	0.768	0.722	0.861	13.73
47) T 2-Chloronaphthalene	0.882	0.789	0.719	0.717	0.724	0.694	0.666	0.656	0.642	0.607	0.710	11.16
48) T 2-Nitroaniline				0.217	0.235	0.230	0.236	0.237	0.239	0.226	0.232	3.40
49) T 1,4-Dinitrobenzene				0.090	0.103	0.102	0.102	0.106	0.108	0.103	0.102	5.44
50) T 1,3-Dinitrobenzene		0.101	0.092	0.112	0.122	0.116	0.116	0.118	0.121	0.116	0.113	8.88
51) T Dimethyl phthalate	1.143	0.968	0.874	0.872	0.912	0.838	0.811	0.793	0.794	0.728	0.873	13.34
52) T Acenaphthylene	1.532	1.369	1.256	1.245	1.281	1.211	1.172	1.124	1.099	1.009	1.230	11.97
53) T 2,6-Dinitrotoluene		0.171	0.175	0.168	0.183	0.178	0.179	0.177	0.180	0.170	0.176	2.91
54) T 1,2-Dinitrobenzene				0.070	0.072	0.071	0.071	0.071	0.071	0.069	0.071	1.17
55) I IS2_Naphthalene-d8	-----ISTD-----											
56) T a-Terpineol		0.250	0.249	0.246	0.247	0.250	0.244	0.234	0.226	0.237	0.243	3.47
57) T 3-Chloroaniline		0.133	0.121	0.127	0.118	0.127	0.121	0.118	0.116	0.125	0.123	4.41
58) T 2,6-Dichlorophenol		0.254	0.255	0.270	0.280	0.288	0.286	0.279	0.275	0.295	0.276	5.14
59) T 1-chloro-2-nitrobenzene		0.130	0.140	0.130	0.134	0.136	0.132	0.127	0.126	0.137	0.132	3.47
60) T Caprolactam			0.119	0.125	0.136	0.142	0.145	0.145	0.143	0.155	0.139	8.32
61) T 1,2,4,5-Tetrachlorobenzene		0.369	0.375	0.371	0.366	0.361	0.351	0.338	0.334	0.353	0.358	4.10
62) T Biphenyl		0.944	0.895	0.878	0.905	0.876	0.835	0.800	0.765	0.809	0.857	6.73
63) I IS1_Acenaphthene-d10	-----ISTD-----											
64) T 3-Nitroaniline				0.347	0.366	0.363	0.363	0.354	0.351	0.337	0.354	2.99
65) T Acenaphthene	1.549	1.412	1.307	1.279	1.268	1.191	1.141	1.106	1.079	1.030	1.236	12.98
66) T 2,4-Dinitrophenol				0.143	0.164	0.177	0.192	0.200	0.205	0.199	0.183	12.56
67) T Dibenzofuran		2.106	1.957	1.898	1.930	1.839	1.775	1.671	1.602	1.512	1.810	10.42
68) T 2,4-Dinitrotoluene		0.418	0.358	0.396	0.431	0.416	0.427	0.418	0.406	0.392	0.407	5.51
69) T 4-Nitrophenol			0.215	0.220	0.241	0.242	0.246	0.242	0.239	0.232	0.235	4.83
70) T 2,3,5,6-Tetrachlorophenol		0.385	0.346	0.370	0.391	0.389	0.385	0.391	0.387	0.377	0.380	3.87
71) T 2,3,4,6-Tetrachlorophenol		0.412	0.362	0.390	0.401	0.386	0.385	0.381	0.377	0.368	0.385	4.03
72) T Diethyl phthalate	1.997	1.756	1.574	1.607	1.652	1.564	1.501	1.456	1.414	1.308	1.583	12.17
73) T Fluorene	1.835	1.635	1.499	1.502	1.552	1.486	1.413	1.373	1.333	1.243	1.487	11.18
74) T 4-Chlorophenyl-phenylether	0.951	0.772	0.755	0.735	0.730	0.689	0.663	0.649	0.642	0.607	0.719	13.58
75) T 4-Nitroaniline			0.342	0.363	0.377	0.387	0.380	0.349	0.347	0.328	0.359	5.80
76) T 4,6-Dinitro-o-cresol				0.183	0.223	0.223	0.240	0.236	0.240	0.231	0.225	8.85
77) T NDPA/DPA	1.542	1.415	1.279	1.298	1.337	1.285	1.233	1.181	1.141	1.083	1.279	10.46
78) T Azobenzene	1.575	1.348	1.251	1.267	1.297	1.240	1.185	1.130	1.090	1.017	1.240	12.48
79) S 2,4,6-Tribromophenol	0.296	0.254	0.234	0.260	0.263	0.263	0.266	0.269	0.273	0.267	0.264	5.80
80) T 4-Bromophenyl-phenylether	0.602	0.500	0.449	0.459	0.474	0.443	0.420	0.425	0.422	0.406	0.460	12.42
81) T Hexachlorobenzene	0.711	0.611	0.566	0.555	0.557	0.535	0.517	0.511	0.505	0.497	0.557	11.56
82) T Pentachlorophenol			0.243	0.270	0.307	0.313	0.331	0.329	0.333	0.323	0.306	10.64
83) I IS2_Acenaphthene-d10	-----ISTD-----											
84) T Dichloran				0.153	0.168	0.181	0.196	0.195	0.189	0.214	0.185	10.82
85) T Pentachloronitrobenzene			0.162	0.180	0.183	0.186	0.186	0.185	0.178	0.200	0.182	5.80
86) I IS3_Acenaphthene-d10	-----ISTD-----											
87) T Atrazine			0.312	0.304	0.310	0.322	0.320	0.400	0.402	0.392	0.345	12.76
88) I IS1_Phenanthrene-d10	-----ISTD-----											
89) T Phenanthrene		1.332	1.151	1.163	1.154	1.096	1.045	0.982	0.957	0.905	1.087	12.06
90) T Anthracene	1.492	1.263	1.107	1.169	1.175	1.124	1.080	1.031	0.987	0.926	1.135	13.98

Response Factor Report Buffy

Method Path : I:\8270\Buffy\201120ical\  
 Method File : FS201120buffy.m  
 Title : Semivolatiles by GC/MS by modified 8270  
 Last Update : Tue Nov 24 17:06:43 2020  
 Response Via : Initial Calibration

Calibration Files

1.0 =AP9L1.D 2.0 =AP9L2.D 3.0 =AP9L3.D 5.0 =AP9L4.D 10 =AP9L5.D 20 =AP9L6.D 50 =AP9L7.D  
 100 =AP9L8.D 150 =AP9L9.D 200 =AP9L10.D

Compound	1.0	2.0	3.0	5.0	10	20	50	100	150	200	Avg	%RSD
91) T Carbazole	1.284	1.114	1.037	1.079	1.087	1.051	1.024	0.964	0.930	0.892	1.046	10.48
92) T Di-n-butylphthalate	1.503	1.291	1.178	1.260	1.315	1.281	1.262	1.195	1.164	1.062	1.251	9.31
93) T Fluoranthene	1.698	1.452	1.287	1.329	1.353	1.279	1.279	1.189	1.171	1.094	1.313	12.85
94) T Benzidine		0.746	0.715	0.786	0.845	0.890	0.927	0.870	0.868	0.819	0.830	8.39
95) T Pyrene	1.839	1.508	1.402	1.421	1.417	1.357	1.332	1.228	1.210	1.120	1.384	14.33
96) S 4-Terphenyl-d14	1.294	1.112	1.017	1.033	1.024	1.002	0.991	0.931	0.919	0.879	1.020	11.46
97) T Butyl benzyl phthalate				0.503	0.550	0.582	0.603	0.580	0.590	0.552	0.566	5.96
98) I IS2_Phenanthrene-d10	-----ISTD-----											
99) T Diphenamid			0.470	0.476	0.483	0.505	0.503	0.484	0.464	0.488	0.484	3.00
100) I IS3_Phenanthrene-d10	-----ISTD-----											
101) T n-Octadecane	0.378	0.352	0.338	0.329	0.343	0.334	0.319	0.374	0.363	0.340	0.347	5.61
102) T Parathion				0.072	0.081	0.089	0.097	0.135	0.132	0.130		*L 0.9925
103) T 3,3'-Dimethylbenzidine			0.474	0.477	0.567	0.610	0.636	0.854	0.826	0.804		*L 0.9935
104) I IS1_Chrysene-d12	-----ISTD-----											
105) T Benzo[a]anthracene	1.737	1.365	1.272	1.296	1.292	1.255	1.203	1.165	1.148	1.096	1.283	13.94
106) T 3,3'-Dichlorobenzidine	0.485	0.444	0.422	0.468	0.492	0.506	0.508	0.497	0.495	0.473	0.479	5.85
107) T Chrysene		1.468	1.297	1.285	1.247	1.205	1.157	1.074	1.048	0.996	1.197	12.28
108) T bis(2-Ethylhexyl)phthalate		0.701	0.692	0.766	0.827	0.840	0.815	0.814	0.804	0.751	0.779	6.99
109) T Di-n-octylphthalate				1.115	1.291	1.374	1.445	1.406	1.406	1.299	1.334	8.40
110) T Benzo(b)fluoranthene	1.529	1.328	1.238	1.252	1.346	1.299	1.321	1.228	1.284	1.170	1.299	7.44
111) T Benzo(k)fluoranthene	1.484	1.370	1.175	1.250	1.217	1.265	1.245	1.101	1.060	1.017	1.218	11.57
112) T Benzo(a)pyrene	1.216	1.143	1.021	1.069	1.112	1.150	1.177	1.061	1.072	1.002	1.102	6.26
113) I IS1_Perylene-d12	-----ISTD-----											
114) T Indeno(1,2,3-cd)pyrene	1.125	1.046	0.975	1.046	1.099	1.117	1.153	1.148	1.159	1.119	1.099	5.36
115) T Dibenzo[a,h]anthracene	1.215	1.137	1.043	1.098	1.138	1.151	1.159	1.110	1.116	1.071	1.124	4.30
116) T Benzo(g,h,i)perylene	1.330	1.183	1.107	1.152	1.182	1.187	1.209	1.159	1.143	1.101	1.175	5.47

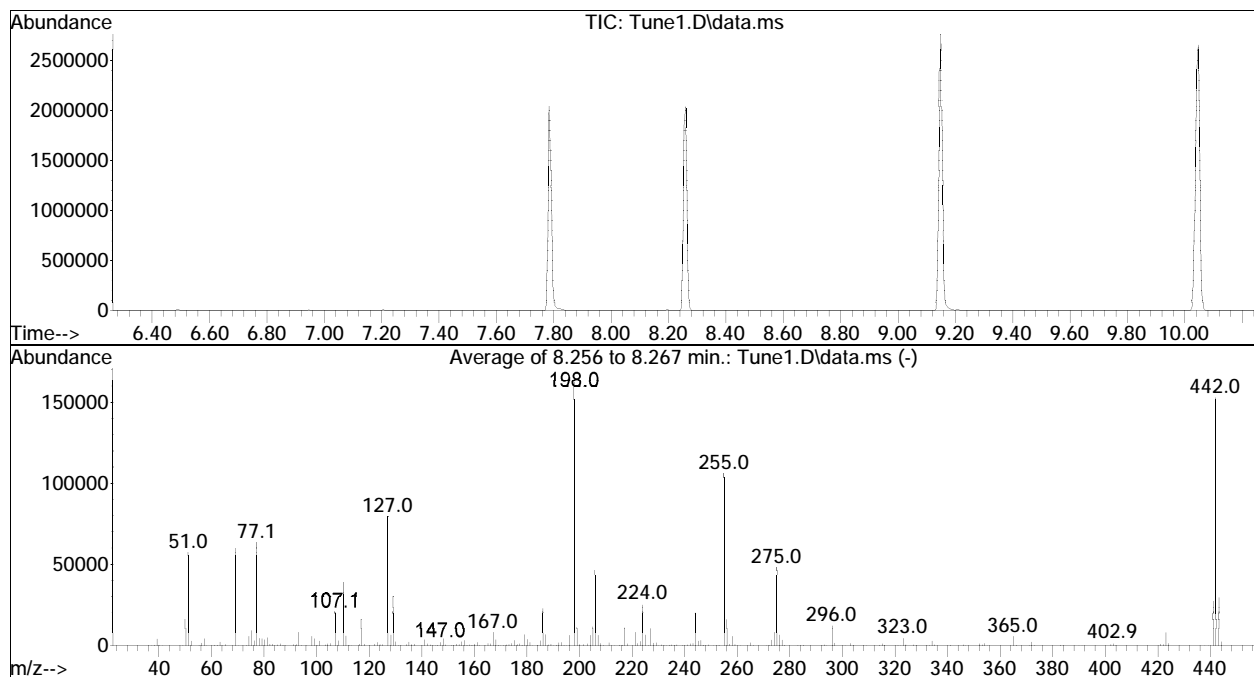
(#) = Out of Range

DFTPP

Data Path : I:\8270\Buffy\201120ical\  
 Data File : Tune1.D  
 Acq On : 20 Nov 2020 5:10 pm  
 Operator : Buffy:als  
 Sample : Tune  
 Misc : WG1439209,,  
 ALS Vial : 100 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\8270\Buffy\201120ical\FS201120buffy.m  
 Title : Semivolatiles by GC/MS by modified 8270  
 Last Update : Tue Nov 24 17:06:43 2020

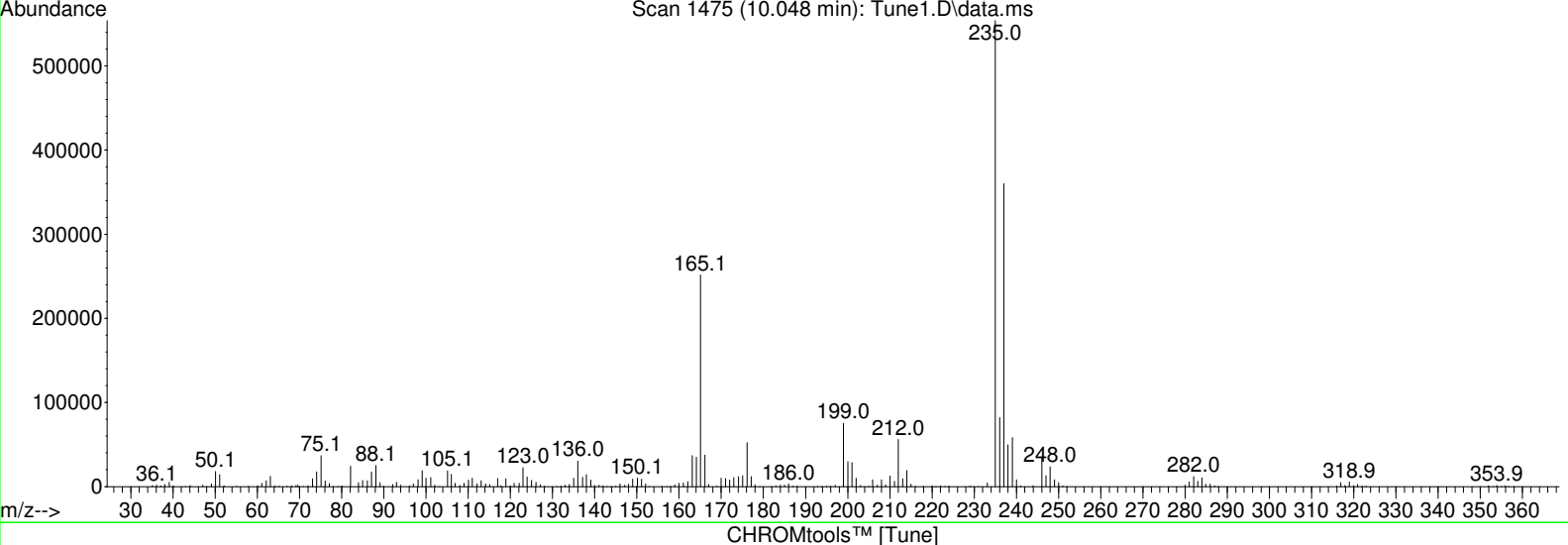
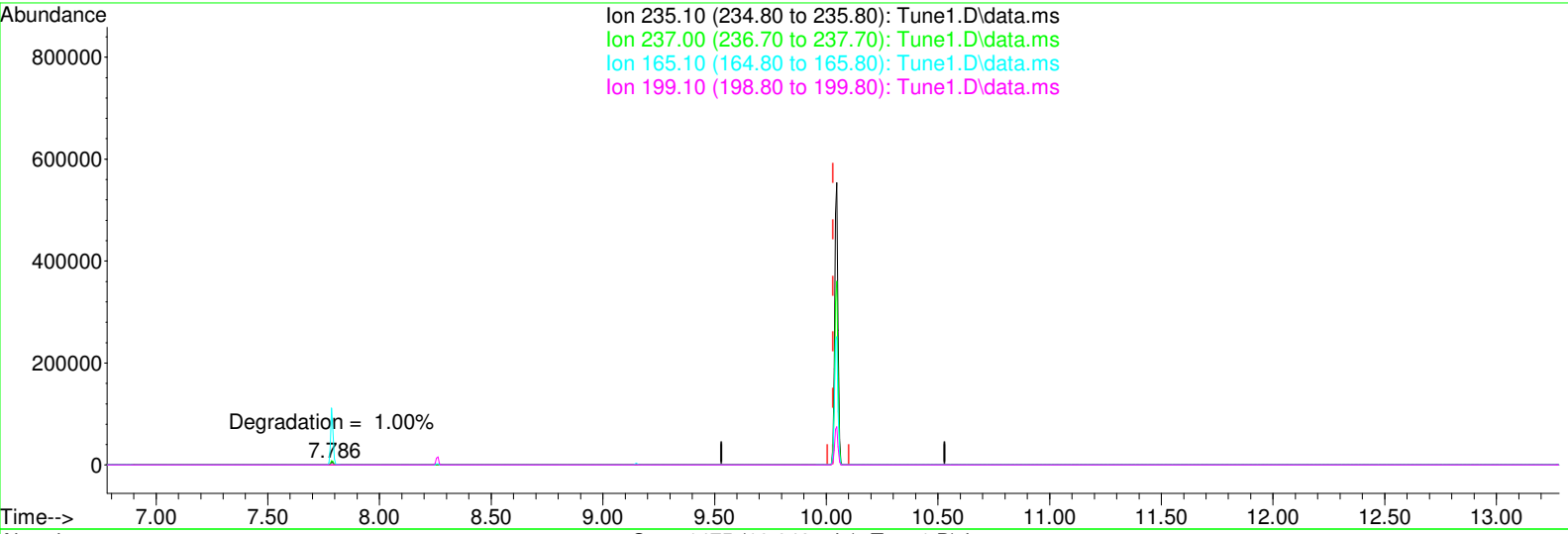


Spectrum Information: Average of 8.256 to 8.267 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	35.1	57076	PASS
68	69	0.00	2	0.0	0	PASS
69	69	100	100	100.0	59792	PASS
70	69	0.00	2	0.6	332	PASS
127	198	10	80	48.9	79560	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	162637	PASS
199	198	5	9	6.7	10933	PASS
275	198	10	60	29.5	48029	PASS
365	198	1	100	3.3	5387	PASS
441	442	0.01	24	17.9	27341	PASS
442	198	50	100	94.0	152917	PASS
443	442	15	24	19.0	29107	PASS

Data Path : I:\8270\Buffy\201120ical\  
 Data File : Tune1.D  
 Acq On : 20 Nov 2020 5:10 pm  
 Operator : Buffy:  
 Sample : Tune  
 Misc :  
 ALS Vial : 100 Sample Multiplier: 1

Quant Time: Nov 24 16:45:35 2020  
 Quant Method : I:\8270\Buffy\201120ical\dftppbuffy.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Tue Nov 24 16:45:20 2020  
 Response via : Initial Calibration



(6) DDT (T)

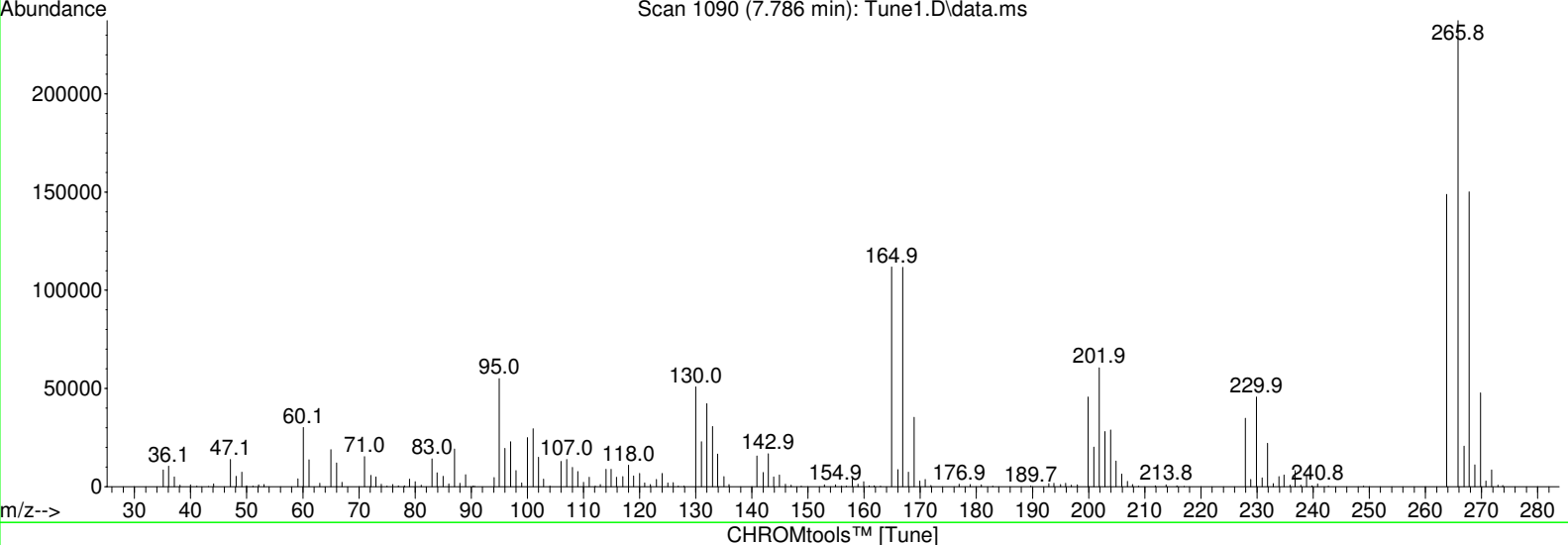
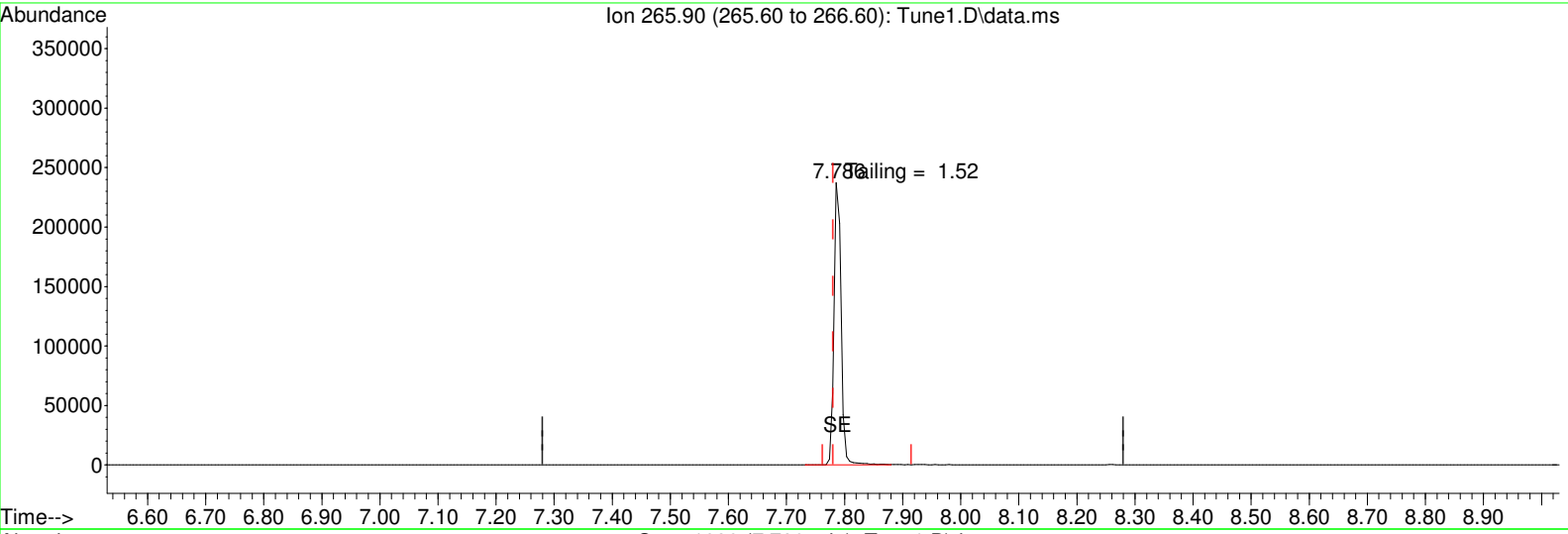
10.048min (+ 0.018) 92.45 Lin

response 563523

Ion	Exp%	Act%
235.10	100.00	100.00
237.00	64.90	64.92
165.10	47.80	47.20
199.10	13.50	13.89

Data Path : I:\8270\Buffy\201120ical\  
 Data File : Tune1.D  
 Acq On : 20 Nov 2020 5:10 pm  
 Operator : Buffy:  
 Sample : Tune  
 Misc :  
 ALS Vial : 100 Sample Multiplier: 1

Quant Time: Nov 24 16:45:35 2020  
 Quant Method : I:\8270\Buffy\201120ical\dftppbuffy.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Tue Nov 24 16:45:20 2020  
 Response via : Initial Calibration

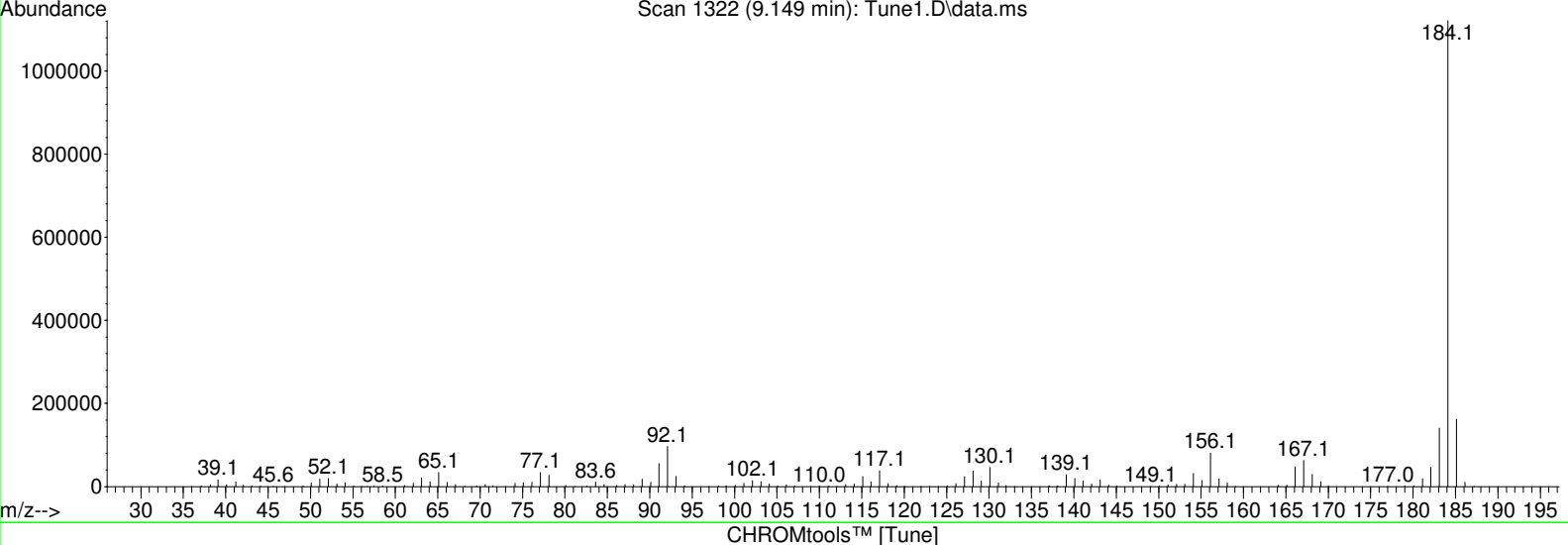
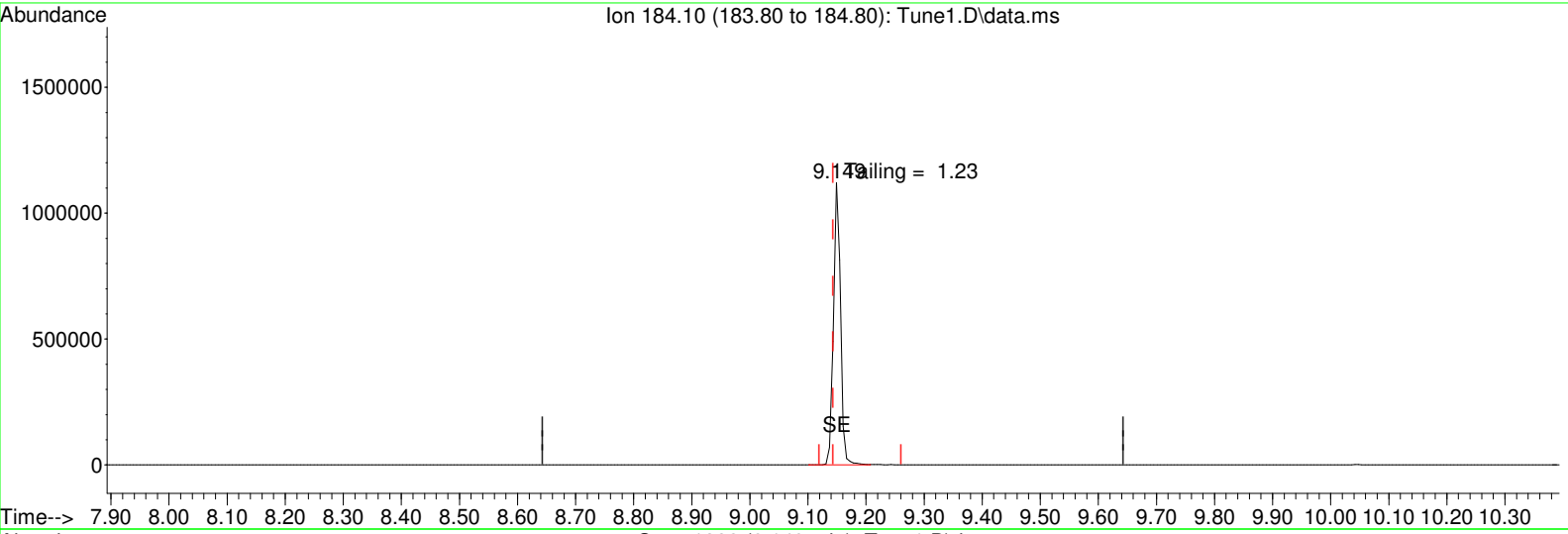


(1) Pentachlorophenol (T)  
 7.786min (+ 0.006) 95.85 Lin  
 response 201330

Ion	Exp%	Act%
265.90	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : I:\8270\Buffy\201120ical\  
 Data File : Tune1.D  
 Acq On : 20 Nov 2020 5:10 pm  
 Operator : Buffy:  
 Sample : Tune  
 Misc :  
 ALS Vial : 100 Sample Multiplier: 1

Quant Time: Nov 24 16:45:35 2020  
 Quant Method : I:\8270\Buffy\201120ical\dftppbuffy.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Tue Nov 24 16:45:20 2020  
 Response via : Initial Calibration



(3) Benzidine (T)

9.149min (+ 0.006) 94.62 Lin

response 963245

Ion	Exp%	Act%
184.10	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00



Quantitation Report (QT Reviewed)

Data Path : I:\8270\Buffy\201120ical\  
 Data File : ABNL10.D  
 Acq On : 20 Nov 2020 5:33 pm  
 Operator : Buffy:als  
 Sample : IL1,32,,ABNL200 Lot# 8895  
 Misc : WG1439209,,  
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 24 12:33:50 2020  
 Quant Method : I:\8270\Buffy\201120ical\FS201120buffy.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Tue Nov 24 12:04:32 2020  
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Buffy\201120ical\ABNL7.D  
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----						
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.019	152	240311	40.000	ug/ml	# 0.00
Standard Area 1 = 194251			Recovery =	123.71%		
35) IS1_Naphthalene-d8	5.112	136	946725	40.000	ug/ml	0.00
Standard Area 1 = 739255			Recovery =	128.06%		
63) IS1_Acenaphthene-d10	6.646	164	563150	40.000	ug/ml	0.00
Standard Area 1 = 428364			Recovery =	131.47%		
88) IS1_Phenanthrene-d10	7.938	188	1101295	40.000	ug/ml	0.00
Standard Area 1 = 890994			Recovery =	123.60%		
104) IS1_Chrysene-d12	10.600	240	1186306	40.000	ug/ml	0.02
Standard Area 1 = 1011965			Recovery =	117.23%		
113) IS1_Perylene-d12	12.745	264	1168740	40.000	ug/ml	0.02
Standard Area 1 = 1150413			Recovery =	101.59%		
System Monitoring Compounds						
4) 2-Fluorophenol	2.932	112	1246745	185.600	ug/ml	0.00
Spiked Amount 50.000	Range 15 - 110		Recovery =	371.20%#		
7) Phenol-d6	3.743	99	1490058	185.882	ug/ml	0.01
Spiked Amount 50.000	Range 15 - 110		Recovery =	371.76%#		
19) Nitrobenzene-d5	4.495	82	1393248	192.987	ug/ml	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	771.95%#		
46) 2-Fluorobiphenyl	6.070	172	3418830	182.605	ug/ml	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	730.42%#		
79) 2,4,6-Tribromophenol	7.339	330	751902	200.764	ug/ml	0.01
Spiked Amount 50.000	Range 15 - 110		Recovery =	401.53%#		
96) 4-Terphenyl-d14	9.396	244	4838434	177.389	ug/ml	0.01
Spiked Amount 25.000	Range 30 - 130		Recovery =	709.56%#		
Target Compounds						
						Qvalue
2) n-Nitrosodimethylamine	1.845	74	753753	188.399	ug/ml#	88
3) Pyridine	1.875	79	1414083	192.517	ug/ml#	67
5) Aniline	3.743	93	1901078	181.380	ug/ml	90
6) 2-Chlorophenol	3.843	128	1437461	186.647	ug/ml	99
8) Phenol	3.755	94	1657692	182.335	ug/ml	89
9) Bis(2-chloroethyl)ether	3.814	93	1111506M6	184.658	ug/ml	
10) 1,3-Dichlorobenzene	3.966	146	1611118	182.388	ug/ml	94
11) 1,4-Dichlorobenzene	4.031	146	1643758	186.566	ug/ml	95
12) 1,2-Dichlorobenzene	4.160	146	1546513	179.861	ug/ml	95
13) Benzyl alcohol	4.155	79	1084883	191.003	ug/ml	99
14) Bis(2-chloroisopropyl)...	4.272	45	1722065	171.449	ug/ml#	87

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Buffy\201120ical\  
 Data File : ABNL10.D  
 Acq On : 20 Nov 2020 5:33 pm  
 Operator : Buffy:als  
 Sample : IL1,32,,ABNL200 Lot# 8895  
 Misc : WG1439209,,  
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 24 12:33:50 2020  
 Quant Method : I:\8270\Buffy\201120ical\FS201120buffy.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Tue Nov 24 12:04:32 2020  
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Buffy\201120ical\ABNL7.D  
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
15) 2-Methylphenol	4.260	108	1241585	190.652	ug/ml	99
16) Hexachloroethane	4.442	117	629226	188.500	ug/ml#	47
17) n-Nitrosodi-n-propylamine	4.395	70	902529	189.232	ug/ml	93
18) 3-Methylphenol/4-Methy...	4.401	108	1318000	190.099	ug/ml	95
20) Nitrobenzene	4.513	77	1317862	188.795	ug/ml	93
21) Isophorone	4.730	82	2527201	193.342	ug/ml	98
22) 2-Nitrophenol	4.789	139	801270	202.748	ug/ml	94
23) 2,4-Dimethylphenol	4.854	107	1449542	197.309	ug/ml	97
24) Bis(2-chloroethoxy)met...	4.930	93	1561305	190.253	ug/ml#	96
25) 2,4-Dichlorophenol	5.006	162	1350260	197.174	ug/ml#	93
26) 1,2,4-Trichlorobenzene	5.071	180	1463511	193.195	ug/ml	98
36) Naphthalene	5.130	128	4010638	171.747	ug/ml	97
37) Benzoic Acid	5.024	105	1252255M1	208.774	ug/ml	
38) 4-Chloroaniline	5.189	65	502356	187.573	ug/ml	96
39) Hexachlorobutadiene	5.253	225	897478	194.279	ug/ml	99
40) p-Chloro-m-cresol	5.635	107	1290616	190.351	ug/ml	92
41) 2-Methylnaphthalene	5.735	142	2966064	182.941	ug/ml	93
42) 1-Methylnaphthalene	5.823	115	969679	190.265	ug/ml	79
43) Hexachlorocyclopentadiene	5.888	237	1268204	207.056	ug/ml	99
44) 2,4,6-Trichlorophenol	5.994	196	1087589	198.131	ug/ml	99
45) 2,4,5-Trichlorophenol	6.023	196	1192498	198.388	ug/ml	97
47) 2-Chloronaphthalene	6.158	162	2874784	182.303	ug/ml	96
48) 2-Nitroaniline	6.264	138	1070525	191.950	ug/ml	89
49) 1,4-Dinitrobenzene	6.387	168	485554	200.983	ug/ml#	75
50) 1,3-Dinitrobenzene	6.458	168	549189	200.324	ug/ml#	71
51) Dimethyl phthalate	6.452	163	3444790	179.439	ug/ml#	97
52) Acenaphthylene	6.522	152	4774973	172.107	ug/ml	96
53) 2,6-Dinitrotoluene	6.493	165	805063	190.187	ug/ml#	81
54) 1,2-Dinitrobenzene	6.534	168	326245	195.208	ug/ml	83
64) 3-Nitroaniline	6.634	138	947688	185.525	ug/ml	82
65) Acenaphthene	6.675	154	2900063	180.459	ug/ml	94
66) 2,4-Dinitrophenol	6.722	184	561256	207.917	ug/ml#	81
67) Dibenzofuran	6.828	168	4258720	170.413	ug/ml	95
68) 2,4-Dinitrotoluene	6.840	165	1103449	183.762	ug/ml#	77
69) 4-Nitrophenol	6.804	65	652096	188.283	ug/ml	95
70) 2,3,5,6-Tetrachlorophenol	6.910	232	1061073	195.549	ug/ml	99
71) 2,3,4,6-Tetrachlorophenol	6.945	232	1037152	191.268	ug/ml	99
72) Diethyl phthalate	7.069	149	3682403	174.241	ug/ml	96
73) Fluorene	7.128	166	3501367	175.952	ug/ml	95
74) 4-Chlorophenyl phenyl ...	7.139	204	1709197	183.044	ug/ml	88

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Buffy\201120ical\  
 Data File : ABNL10.D  
 Acq On : 20 Nov 2020 5:33 pm  
 Operator : Buffy:als  
 Sample : IL1,32,,ABNL200 Lot# 8895  
 Misc : WG1439209,,  
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 24 12:33:50 2020  
 Quant Method : I:\8270\Buffy\201120ical\FS201120buffy.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Tue Nov 24 12:04:32 2020  
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Buffy\201120ical\ABNL7.D  
 Sub List : ABNical - ABN ical sublist

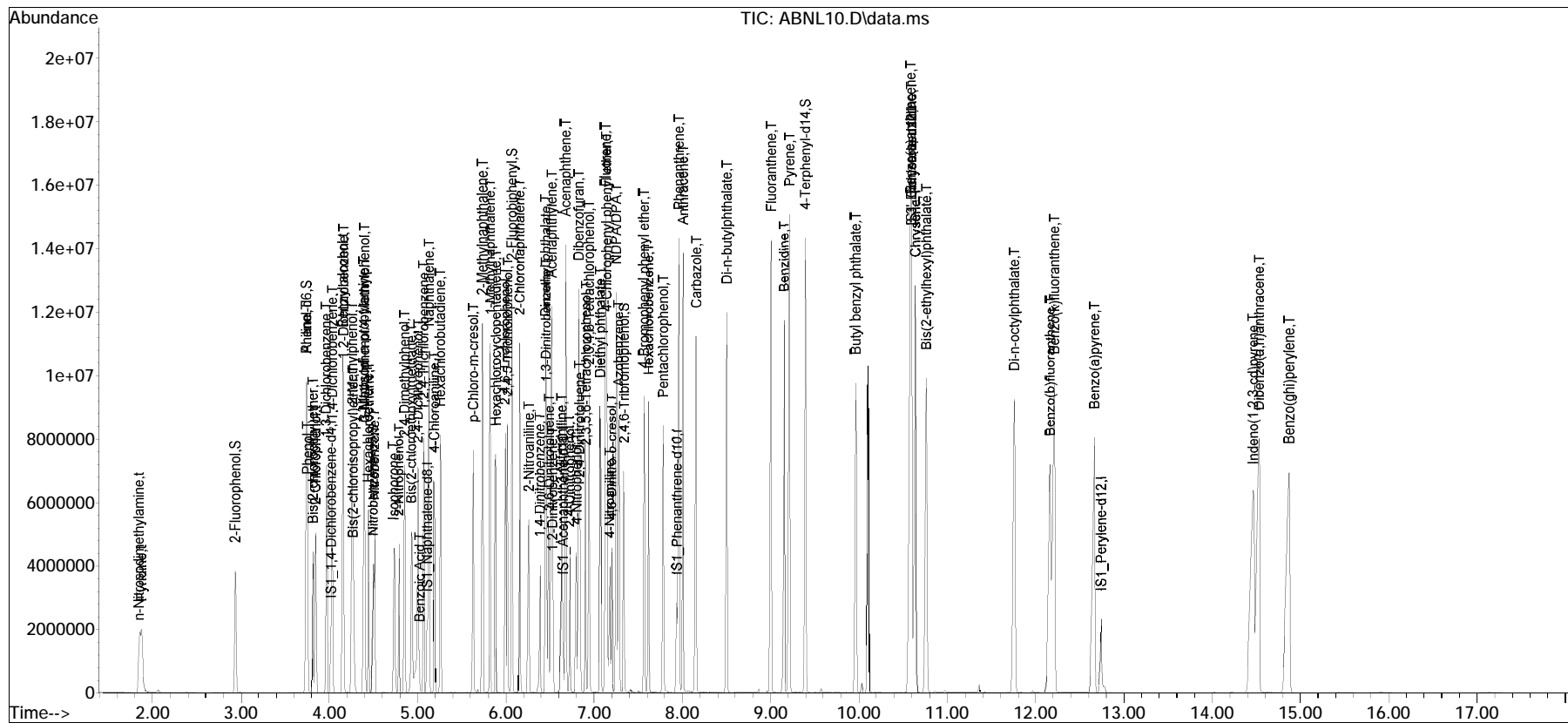
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
75) 4-Nitroaniline	7.175	138	923361	172.660	ug/ml	98
76) 4,6-Dinitro-o-cresol	7.198	198	650283	192.063	ug/ml#	87
77) NDPA/DPA	7.251	169	3048273	175.652	ug/ml	96
78) Azobenzene	7.280	77	2864033M6	171.637	ug/ml	
80) 4-Bromophenyl phenyl e...	7.562	248	1144358	193.529	ug/ml#	87
81) Hexachlorobenzene	7.615	284	1398554	192.272	ug/ml#	82
82) Pentachlorophenol	7.786	266	910216	195.552	ug/ml	99
89) Phenanthrene	7.962	178	4982472	173.223	ug/ml	97
90) Anthracene	8.009	178	5099151	171.606	ug/ml	95
91) Carbazole	8.162	167	4913747	174.228	ug/ml	95
92) Di-n-butylphthalate	8.502	149	5847312	168.326	ug/ml	97
93) Fluoranthene	9.008	202	6023707	171.084	ug/ml#	86
94) Benzidine	9.155	184	4510951	176.659	ug/ml#	93
95) Pyrene	9.213	202	6165144	168.052	ug/ml	95
97) Butyl benzyl phthalate	9.960	149	3038468	183.111	ug/ml#	78
105) Benzo(a)anthracene	10.588	228	6499982	182.146	ug/ml	98
106) 3,3'-Dichlorobenzidine	10.600	252	2805244	186.061	ug/ml#	94
107) Chrysene	10.641	228	5910577	172.296	ug/ml	97
108) Bis(2-ethylhexyl)phtha...	10.759	149	4457326	184.371	ug/ml#	92
109) Di-n-octylphthalate	11.758	149	7704784	179.847	ug/ml	97
110) Benzo(b)fluoranthene	12.169	252	6937975	177.080	ug/ml#	92
111) Benzo(k)fluoranthene	12.216	252	6032234	163.304	ug/ml#	91
112) Benzo(a)pyrene	12.668	252	5941388	170.203	ug/ml#	91
114) Indeno(1,2,3-cd)pyrene	14.466	276	6540041	194.126	ug/mL#	88
115) Dibenzo(a,h)anthracene	14.531	278	6257399M6	184.842	ug/ml	
116) Benzo(ghi)perylene	14.872	276	6432840	182.041	ug/ml#	74

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : I:\8270\Buffy\201120ical\  
 Data File : ABNL10.D  
 Acq On : 20 Nov 2020 5:33 pm  
 Operator : Buffy:als  
 Sample : IL1,32,,ABNL200 Lot# 8895  
 Misc : WG1439209,,  
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 24 12:33:50 2020  
 Quant Method : I:\8270\Buffy\201120ical\FS201120buffy.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Tue Nov 24 12:04:32 2020  
 Response via : Initial Calibration

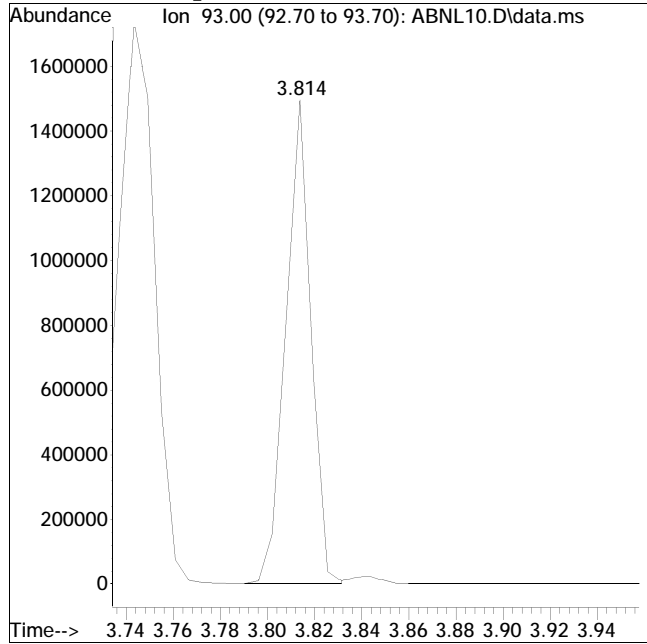
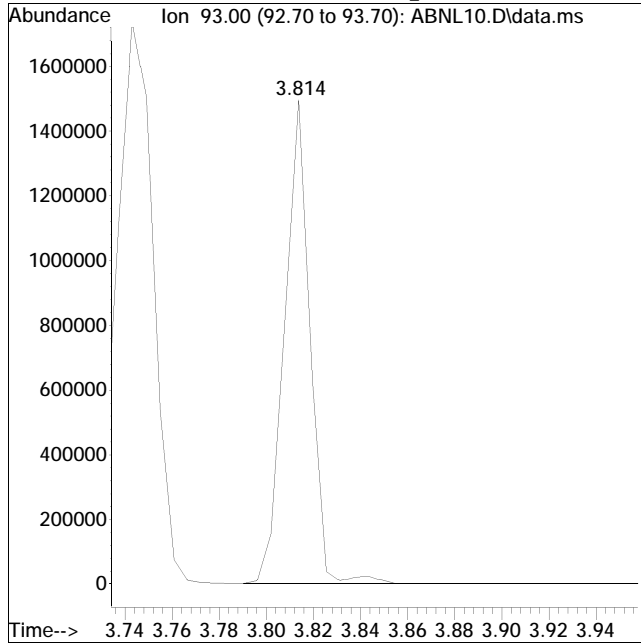
Sub List : ABNical - ABN ical sublistal\ABNL7.D•



Manual Integration Report

Data Path : I:\8270\Buffy\201120ical\ QMethod : FS201120buffy.m  
Data File : ABNL10.D Operator : Buffy:als  
Date Inj'd : 11/20/2020 5:33 pm Instrument : Buffy  
Sample : IL1,32,,ABNL200 Lot# 8895 Quant Date : 11/24/2020 12:23 pm

Compound #9: Bis(2-chloroethyl)ether



Original Peak Response = 1133696

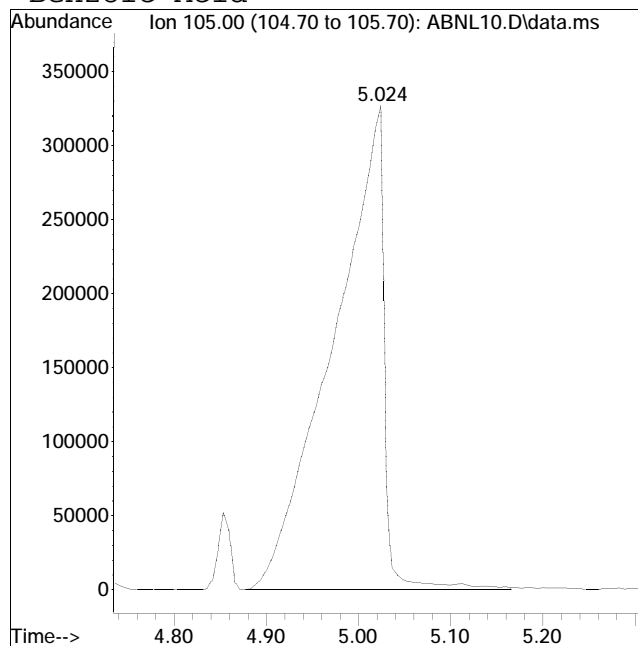
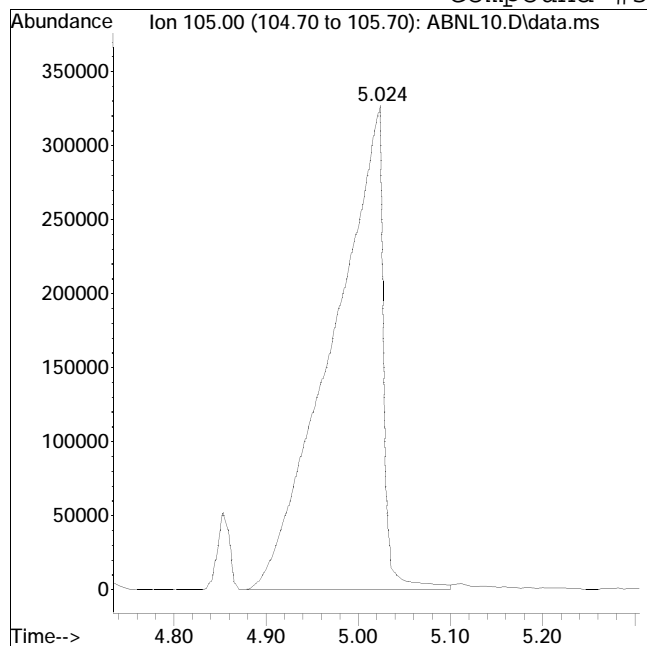
Manual Peak Response = 1111506 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : I:\8270\Buffy\201120ical\ QMethod : FS201120buffy.m  
Data File : ABNL10.D Operator : Buffy:als  
Date Inj'd : 11/20/2020 5:33 pm Instrument : Buffy  
Sample : IL1,32,,ABNL200 Lot# 8895 Quant Date : 11/24/2020 12:23 pm

Compound #37: Benzoic Acid



Original Peak Response = 1237676

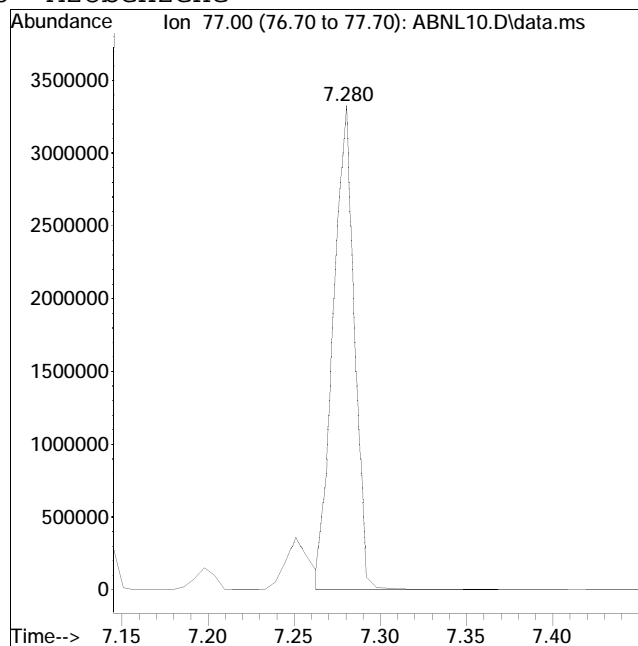
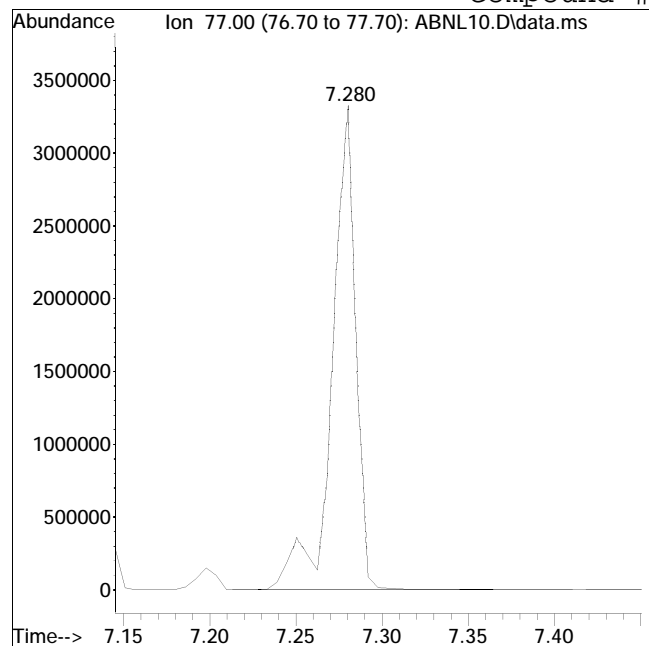
Manual Peak Response = 1252255 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

# Manual Integration Report

Data Path : I:\8270\Buffy\201120ical\ QMethod : FS201120buffy.m  
Data File : ABNL10.D Operator : Buffy:als  
Date Inj'd : 11/20/2020 5:33 pm Instrument : Buffy  
Sample : IL1,32,,ABNL200 Lot# 8895 Quant Date : 11/24/2020 12:23 pm

## Compound #78: Azobenzene



Original Peak Response = 3198239

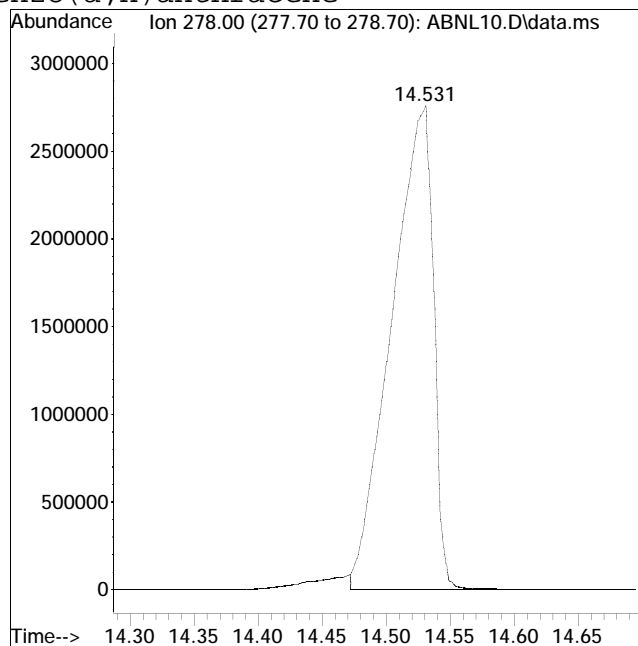
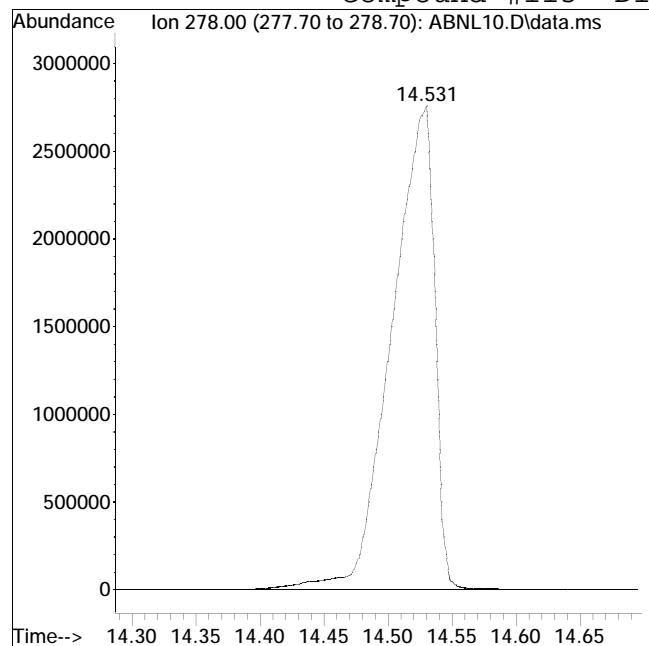
Manual Peak Response = 2864033 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : I:\8270\Buffy\201120ical\ QMethod : FS201120buffy.m  
Data File : ABNL10.D Operator : Buffy:als  
Date Inj'd : 11/20/2020 5:33 pm Instrument : Buffy  
Sample : IL1,32,,ABNL200 Lot# 8895 Quant Date : 11/24/2020 12:23 pm

Compound #115: Dibenzo(a,h)anthracene



Original Peak Response = 6435150

Manual Peak Response = 6257399 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).



Quantitation Report (QT Reviewed)

Data Path : I:\8270\Buffy\201120ical\  
 Data File : ABNL9.D  
 Acq On : 20 Nov 2020 5:56 pm  
 Operator : Buffy:als  
 Sample : IL2,32,,ABNL150 Lot# 8909  
 Misc : WG1439209,,  
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 24 13:22:07 2020  
 Quant Method : I:\8270\Buffy\201120ical\FS201120buffy.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Tue Nov 24 12:04:32 2020  
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Buffy\201120ical\ABNL7.D  
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
<b>Internal Standards</b>						
1) IS1_1,4-Dichlorobenzen...	4.013	152	214939	40.000	ug/ml	# 0.00
Standard Area 1 = 194251			Recovery =	110.65%		
35) IS1_Naphthalene-d8	5.106	136	842504	40.000	ug/ml	0.00
Standard Area 1 = 739255			Recovery =	113.97%		
63) IS1_Acenaphthene-d10	6.640	164	509380	40.000	ug/ml	0.00
Standard Area 1 = 428364			Recovery =	118.91%		
88) IS1_Phenanthrene-d10	7.932	188	1028477	40.000	ug/ml	0.00
Standard Area 1 = 890994			Recovery =	115.43%		
104) IS1_Chrysene-d12	10.594	240	1131562	40.000	ug/ml	0.01
Standard Area 1 = 1011965			Recovery =	111.82%		
113) IS1_Perylene-d12	12.739	264	1162087	40.000	ug/ml	0.01
Standard Area 1 = 1150413			Recovery =	101.01%		
<b>System Monitoring Compounds</b>						
4) 2-Fluorophenol	2.932	112	873188	145.333	ug/ml	0.00
Spiked Amount 50.000	Range 15 - 110		Recovery =	290.67%#		
7) Phenol-d6	3.737	99	1057847	147.542	ug/ml	0.00
Spiked Amount 50.000	Range 15 - 110		Recovery =	295.08%#		
19) Nitrobenzene-d5	4.495	82	973687	150.792	ug/ml	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	603.17%#		
46) 2-Fluorobiphenyl	6.070	172	2426958	145.663	ug/ml	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	582.65%#		
79) 2,4,6-Tribromophenol	7.339	330	520919	153.772	ug/ml	0.01
Spiked Amount 50.000	Range 15 - 110		Recovery =	307.54%#		
96) 4-Terphenyl-d14	9.389	244	3544350	139.145	ug/ml	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	556.58%#		
<b>Target Compounds</b>						
						Qvalue
2) n-Nitrosodimethylamine	1.839	74	520279	145.393	ug/ml#	84
3) Pyridine	1.863	79	957692	145.774	ug/ml#	62
5) Aniline	3.743	93	1361575	145.241	ug/ml	90
6) 2-Chlorophenol	3.837	128	1005817	146.017	ug/ml	99
8) Phenol	3.749	94	1184548	145.672	ug/ml	90
9) Bis(2-chloroethyl)ether	3.808	93	781499M6	145.159	ug/ml	
10) 1,3-Dichlorobenzene	3.966	146	1137749	144.004	ug/ml	94
11) 1,4-Dichlorobenzene	4.031	146	1142425	144.971	ug/ml	94
12) 1,2-Dichlorobenzene	4.154	146	1095292	142.420	ug/ml	95
13) Benzyl alcohol	4.148	79	765793	150.740	ug/ml	99
14) Bis(2-chloroisopropyl)...	4.272	45	1272389	141.633	ug/ml#	84

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Buffy\201120ical\  
 Data File : ABNL9.D  
 Acq On : 20 Nov 2020 5:56 pm  
 Operator : Buffy:als  
 Sample : IL2,32,,ABNL150 Lot# 8909  
 Misc : WG1439209,,  
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 24 13:22:07 2020  
 Quant Method : I:\8270\Buffy\201120ical\FS201120buffy.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Tue Nov 24 12:04:32 2020  
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Buffy\201120ical\ABNL7.D  
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
15) 2-Methylphenol	4.254	108	869520	149.281	ug/ml	98
16) Hexachloroethane	4.442	117	442021	148.050	ug/ml#	49
17) n-Nitrosodi-n-propylamine	4.389	70	654136	153.342	ug/ml	92
18) 3-Methylphenol/4-Methy...	4.395	108	926578	149.418	ug/ml	95
20) Nitrobenzene	4.513	77	923329	147.889	ug/ml	94
21) Isophorone	4.724	82	1775324	151.852	ug/ml	98
22) 2-Nitrophenol	4.783	139	561144	158.749	ug/ml	95
23) 2,4-Dimethylphenol	4.848	107	1007498	153.327	ug/ml	96
24) Bis(2-chloroethoxy)met...	4.930	93	1116936	152.170	ug/ml#	96
25) 2,4-Dichlorophenol	5.000	162	934376	152.550	ug/ml#	93
26) 1,2,4-Trichlorobenzene	5.065	180	1008064	148.781	ug/ml	99
36) Naphthalene	5.124	128	2885702	138.861	ug/ml	98
37) Benzoic Acid	5.000	105	872295M1	163.417	ug/ml	
38) 4-Chloroaniline	5.188	65	351045	147.290	ug/ml	97
39) Hexachlorobutadiene	5.253	225	605084	147.187	ug/ml	99
40) p-Chloro-m-cresol	5.629	107	902095	149.507	ug/ml	93
41) 2-Methylnaphthalene	5.735	142	2103422	145.783	ug/ml	93
42) 1-Methylnaphthalene	5.817	115	676033	149.056	ug/ml#	75
43) Hexachlorocyclopentadiene	5.882	237	863111	158.350	ug/ml	98
44) 2,4,6-Trichlorophenol	5.993	196	758178	155.207	ug/ml	98
45) 2,4,5-Trichlorophenol	6.017	196	814430	152.253	ug/ml	97
47) 2-Chloronaphthalene	6.158	162	2029856	144.646	ug/ml	96
48) 2-Nitroaniline	6.258	138	756505	152.424	ug/ml	89
49) 1,4-Dinitrobenzene	6.381	168	339697	158.003	ug/ml	77
50) 1,3-Dinitrobenzene	6.452	168	383347	157.128	ug/ml#	74
51) Dimethyl phthalate	6.446	163	2508654	146.841	ug/ml#	98
52) Acenaphthylene	6.516	152	3472296	140.636	ug/ml	97
53) 2,6-Dinitrotoluene	6.481	165	569134	151.084	ug/ml#	81
54) 1,2-Dinitrobenzene	6.528	168	223562	150.315	ug/ml	87
64) 3-Nitroaniline	6.628	138	670088	145.028	ug/ml	82
65) Acenaphthene	6.675	154	2060512	141.752	ug/ml	94
66) 2,4-Dinitrophenol	6.716	184	391900	160.504	ug/ml#	82
67) Dibenzofuran	6.822	168	3059994	135.372	ug/ml	94
68) 2,4-Dinitrotoluene	6.834	165	776220	142.913	ug/ml#	78
69) 4-Nitrophenol	6.792	65	456939	145.862	ug/ml	94
70) 2,3,5,6-Tetrachlorophenol	6.904	232	739913	150.755	ug/ml	99
71) 2,3,4,6-Tetrachlorophenol	6.939	232	719398	146.674	ug/ml	99
72) Diethyl phthalate	7.063	149	2701789	141.336	ug/ml	98
73) Fluorene	7.121	166	2545321	141.410	ug/ml	95
74) 4-Chlorophenyl phenyl ...	7.139	204	1226671	145.236	ug/ml	87

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Buffy\201120ical\  
 Data File : ABNL9.D  
 Acq On : 20 Nov 2020 5:56 pm  
 Operator : Buffy:als  
 Sample : IL2,32,,ABNL150 Lot# 8909  
 Misc : WG1439209,,  
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 24 13:22:07 2020  
 Quant Method : I:\8270\Buffy\201120ical\FS201120buffy.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Tue Nov 24 12:04:32 2020  
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Buffy\201120ical\ABNL7.D  
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
75) 4-Nitroaniline	7.163	138	662372	136.932	ug/ml	98
76) 4,6-Dinitro-o-cresol	7.192	198	459140	149.923	ug/ml#	86
77) NDPA/DPA	7.251	169	2179302	138.835	ug/ml	96
78) Azobenzene	7.274	77	2082443	137.971	ug/ml#	86
80) 4-Bromophenyl phenyl e...	7.562	248	806989	150.881	ug/ml#	87
81) Hexachlorobenzene	7.609	284	965249	146.709	ug/ml#	83
82) Pentachlorophenol	7.785	266	635869	151.031	ug/ml	99
89) Phenanthrene	7.956	178	3689189	137.341	ug/ml	98
90) Anthracene	8.003	178	3806940	137.189	ug/ml	98
91) Carbazole	8.156	167	3586226	136.161	ug/ml	97
92) Di-n-butylphthalate	8.502	149	4490238	138.412	ug/ml#	98
93) Fluoranthene	9.002	202	4516556	137.361	ug/ml#	86
94) Benzidine	9.149	184	3349094	140.444	ug/ml#	92
95) Pyrene	9.207	202	4666240	136.200	ug/ml	98
97) Butyl benzyl phthalate	9.959	149	2274500	146.776	ug/ml#	79
105) Benzo(a)anthracene	10.576	228	4873176	143.165	ug/ml	98
106) 3,3'-Dichlorobenzidine	10.588	252	2100852	146.083	ug/ml#	94
107) Chrysene	10.629	228	4445400	135.855	ug/ml	98
108) Bis(2-ethylhexyl)phtha...	10.753	149	3410536	147.897	ug/ml#	92
109) Di-n-octylphthalate	11.751	149	5967981	146.046	ug/ml	97
110) Benzo(b)fluoranthene	12.157	252	5449709	145.824	ug/ml#	91
111) Benzo(k)fluoranthene	12.204	252	4496512	127.618	ug/ml#	91
112) Benzo(a)pyrene	12.656	252	4550224	136.656	ug/ml#	91
114) Indeno(1,2,3-cd)pyrene	14.454	276	5050046	150.757	ug/mL#	88
115) Dibenzo(a,h)anthracene	14.519	278	4863427M6	144.487	ug/ml	
116) Benzo(ghi)perylene	14.860	276	4979764	141.727	ug/ml#	74

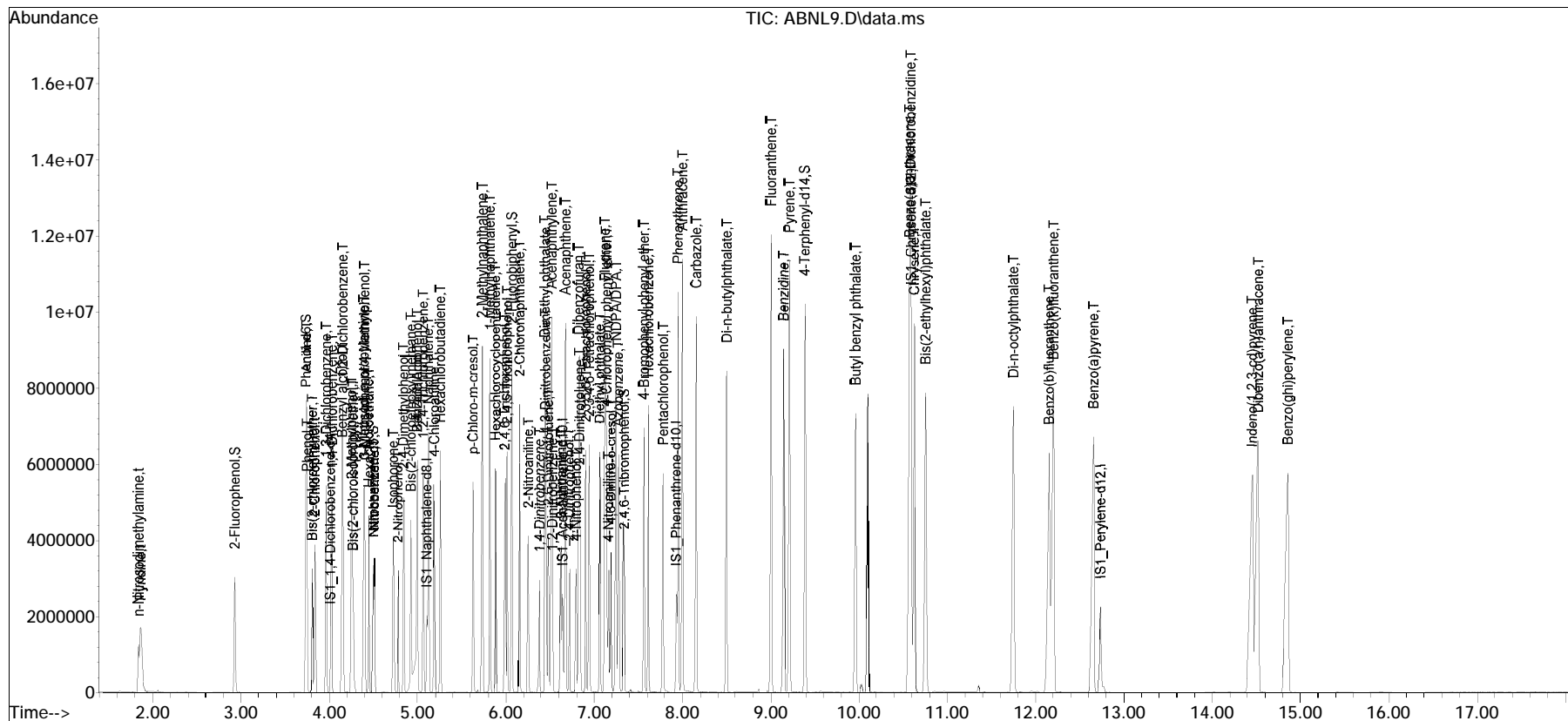
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Buffy\201120ical\  
 Data File : ABNL9.D  
 Acq On : 20 Nov 2020 5:56 pm  
 Operator : Buffy:als  
 Sample : IL2,32,,ABNL150 Lot# 8909  
 Misc : WG1439209,,  
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 24 13:22:07 2020  
 Quant Method : I:\8270\Buffy\201120ical\FS201120buffy.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Tue Nov 24 12:04:32 2020  
 Response via : Initial Calibration

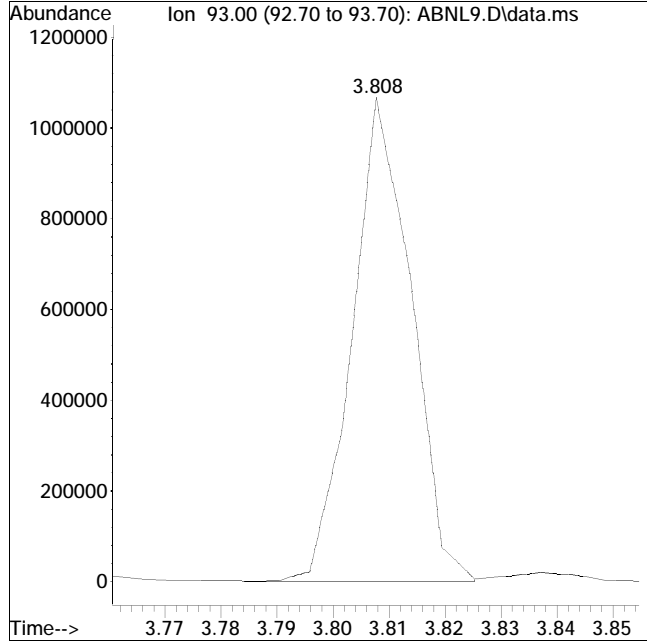
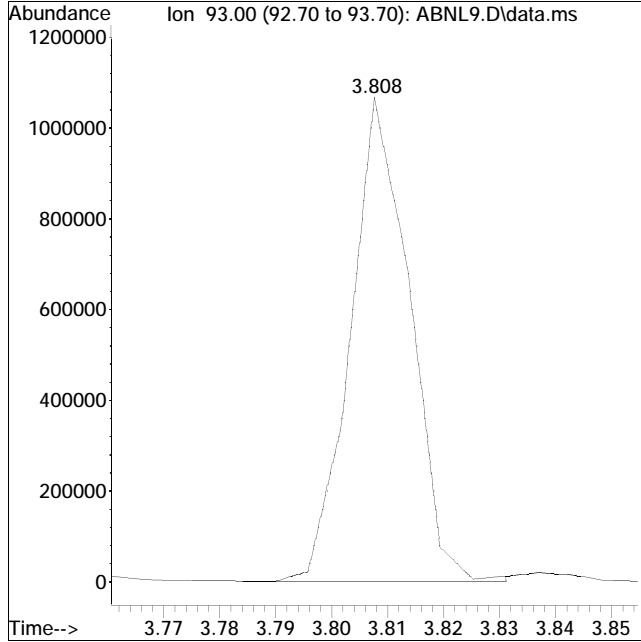
Sub List : ABNical - ABN ical sublistal\ABNL7.D•



Manual Integration Report

Data Path : I:\8270\Buffy\201120ical\ QMethod : FS201120buffy.m  
Data File : ABNL9.D Operator : Buffy:als  
Date Inj'd : 11/20/2020 5:56 pm Instrument : Buffy  
Sample : IL2,32,,ABNL150 Lot# 8909 Quant Date : 11/24/2020 12:25 pm

Compound #9: Bis(2-chloroethyl)ether



Original Peak Response = 784991

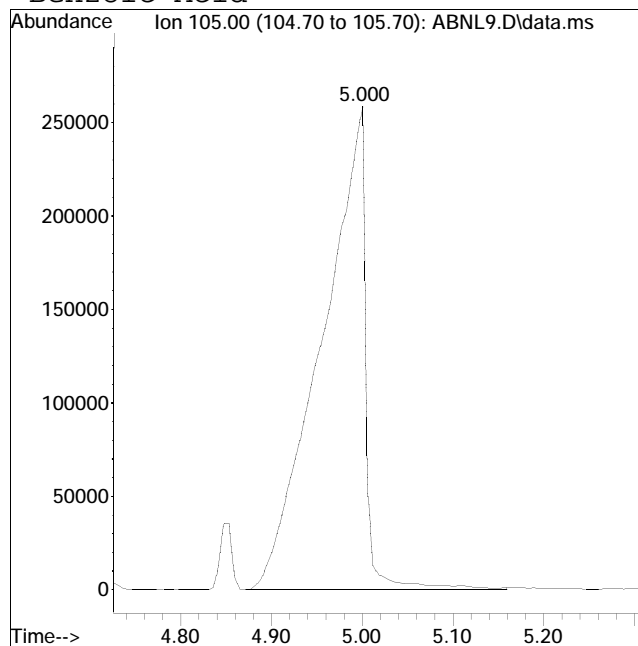
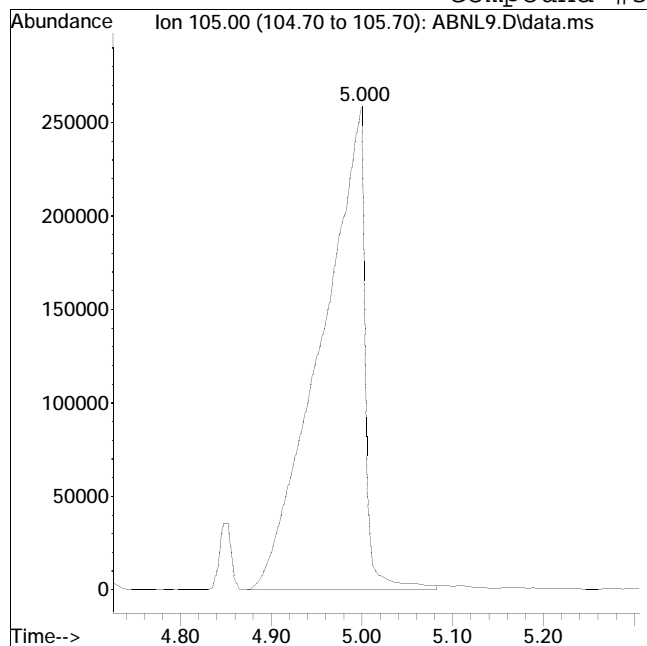
Manual Peak Response = 781499 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : I:\8270\Buffy\201120ical\ QMethod : FS201120buffy.m  
Data File : ABNL9.D Operator : Buffy:als  
Date Inj'd : 11/20/2020 5:56 pm Instrument : Buffy  
Sample : IL2,32,,ABNL150 Lot# 8909 Quant Date : 11/24/2020 12:25 pm

Compound #37: Benzoic Acid



Original Peak Response = 862670

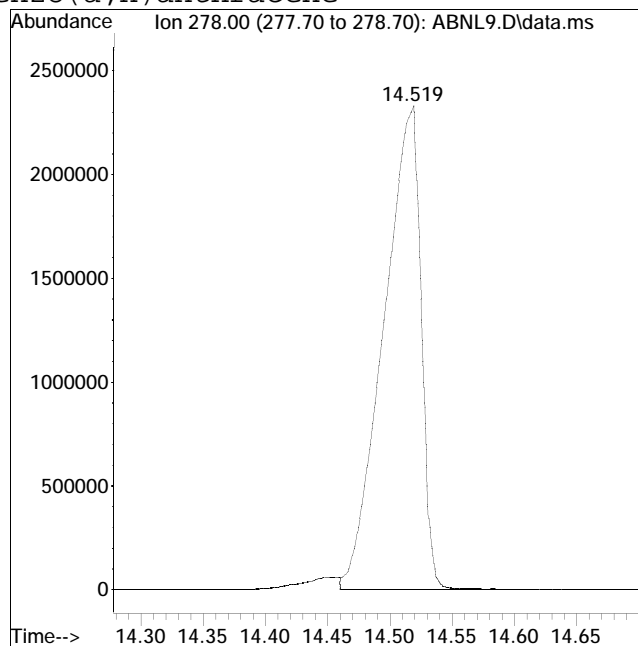
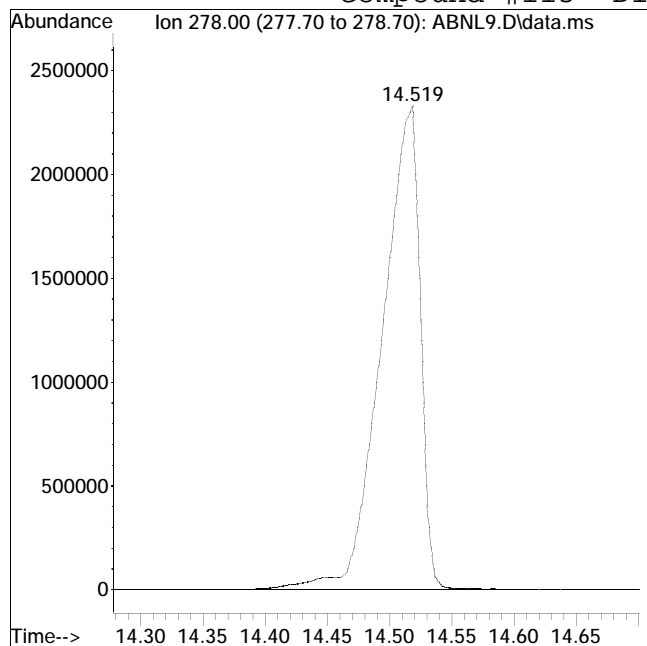
Manual Peak Response = 872295 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\8270\Buffy\201120ical\ QMethod : FS201120buffy.m  
Data File : ABNL9.D Operator : Buffy:als  
Date Inj'd : 11/20/2020 5:56 pm Instrument : Buffy  
Sample : IL2,32,,ABNL150 Lot# 8909 Quant Date : 11/24/2020 12:25 pm

Compound #115: Dibenzo(a,h)anthracene



Original Peak Response = 4992259

Manual Peak Response = 4863427 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Buffy\201120ical\  
 Data File : ABNL8.D  
 Acq On : 20 Nov 2020 6:19 pm  
 Operator : Buffy:als  
 Sample : IL3,32,,ABNL100 Lot# 8908  
 Misc : WG1439209,,  
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 24 13:25:03 2020  
 Quant Method : I:\8270\Buffy\201120ical\FS201120buffy.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Tue Nov 24 12:04:32 2020  
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Buffy\201120ical\ABNL7.D  
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
<b>Internal Standards</b>						
1) IS1_1,4-Dichlorobenzen...	4.013	152	234001	40.000	ug/ml	# 0.00
Standard Area 1 = 194251			Recovery =	120.46%		
35) IS1_Naphthalene-d8	5.106	136	916796	40.000	ug/ml	0.00
Standard Area 1 = 739255			Recovery =	124.02%		
63) IS1_Acenaphthene-d10	6.640	164	542369	40.000	ug/ml	0.00
Standard Area 1 = 428364			Recovery =	126.61%		
88) IS1_Phenanthrene-d10	7.932	188	1103404	40.000	ug/ml	0.00
Standard Area 1 = 890994			Recovery =	123.84%		
104) IS1_Chrysene-d12	10.588	240	1183012	40.000	ug/ml	0.00
Standard Area 1 = 1011965			Recovery =	116.90%		
113) IS1_Perylene-d12	12.733	264	1211808	40.000	ug/ml	0.00
Standard Area 1 = 1150413			Recovery =	105.34%		
<b>System Monitoring Compounds</b>						
4) 2-Fluorophenol	2.932	112	637604	97.478	ug/ml	0.00
Spiked Amount 50.000	Range 15 - 110		Recovery =	194.96%#		
7) Phenol-d6	3.731	99	778854	99.781	ug/ml	0.00
Spiked Amount 50.000	Range 15 - 110		Recovery =	199.56%#		
19) Nitrobenzene-d5	4.489	82	714533	101.643	ug/ml	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	406.57%#		
46) 2-Fluorobiphenyl	6.064	172	1790615	98.762	ug/ml	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	395.05%#		
79) 2,4,6-Tribromophenol	7.333	330	364782	101.132	ug/ml	0.00
Spiked Amount 50.000	Range 15 - 110		Recovery =	202.26%#		
96) 4-Terphenyl-d14	9.389	244	2567346	93.946	ug/ml	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	375.78%#		
<b>Target Compounds</b>						
						Qvalue
2) n-Nitrosodimethylamine	1.839	74	383195	98.362	ug/ml#	83
3) Pyridine	1.869	79	705659	98.661	ug/ml#	63
5) Aniline	3.737	93	1015854	99.535	ug/ml	90
6) 2-Chlorophenol	3.837	128	740693	98.769	ug/ml	99
8) Phenol	3.743	94	873797	98.704	ug/ml	89
9) Bis(2-chloroethyl)ether	3.808	93	579414M6	98.856	ug/ml	
10) 1,3-Dichlorobenzene	3.966	146	840042	97.662	ug/ml	94
11) 1,4-Dichlorobenzene	4.031	146	848099	98.854	ug/ml	95
12) 1,2-Dichlorobenzene	4.154	146	814822	97.320	ug/ml	95
13) Benzyl alcohol	4.148	79	565408	102.229	ug/ml	98
14) Bis(2-chloroisopropyl)...	4.272	45	950287	97.162	ug/ml#	83



Quantitation Report (QT Reviewed)

Data Path : I:\8270\Buffy\201120ical\  
 Data File : ABNL8.D  
 Acq On : 20 Nov 2020 6:19 pm  
 Operator : Buffy:als  
 Sample : IL3,32,,ABNL100 Lot# 8908  
 Misc : WG1439209,,  
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 24 13:25:03 2020  
 Quant Method : I:\8270\Buffy\201120ical\FS201120buffy.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Tue Nov 24 12:04:32 2020  
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Buffy\201120ical\ABNL7.D  
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
15) 2-Methylphenol	4.254	108	637851	100.587	ug/ml	98
16) Hexachloroethane	4.442	117	323065	99.392	ug/ml#	51
17) n-Nitrosodi-n-propylamine	4.383	70	471610	101.548	ug/ml	93
18) 3-Methylphenol/4-Methy...	4.395	108	684493	101.388	ug/ml	95
20) Nitrobenzene	4.507	77	679592	99.982	ug/ml	94
21) Isophorone	4.724	82	1289959	101.349	ug/ml	98
22) 2-Nitrophenol	4.783	139	405067	105.260	ug/ml	95
23) 2,4-Dimethylphenol	4.848	107	733654	102.556	ug/ml	96
24) Bis(2-chloroethoxy)met...	4.924	93	821766	102.836	ug/ml#	96
25) 2,4-Dichlorophenol	4.995	162	680974	102.122	ug/ml#	92
26) 1,2,4-Trichlorobenzene	5.065	180	738603	100.131	ug/ml	98
36) Naphthalene	5.124	128	2165410	95.756	ug/ml	99
37) Benzoic Acid	4.983	105	626451M1	107.850	ug/ml	
38) 4-Chloroaniline	5.183	65	258261	99.579	ug/ml	96
39) Hexachlorobutadiene	5.253	225	440793	98.535	ug/ml	99
40) p-Chloro-m-cresol	5.629	107	659239	100.404	ug/ml	93
41) 2-Methylnaphthalene	5.735	142	1562101	99.492	ug/ml	93
42) 1-Methylnaphthalene	5.817	115	492258	99.741	ug/ml#	75
43) Hexachlorocyclopentadiene	5.882	237	626075	105.554	ug/ml	99
44) 2,4,6-Trichlorophenol	5.987	196	564046	106.109	ug/ml	100
45) 2,4,5-Trichlorophenol	6.017	196	573983	98.607	ug/ml	96
47) 2-Chloronaphthalene	6.152	162	1502599	98.397	ug/ml	96
48) 2-Nitroaniline	6.258	138	543933	100.713	ug/ml	89
49) 1,4-Dinitrobenzene	6.381	168	243377	104.029	ug/ml	78
50) 1,3-Dinitrobenzene	6.452	168	271021	102.086	ug/ml#	75
51) Dimethyl phthalate	6.440	163	1817562	97.768	ug/ml#	98
52) Acenaphthylene	6.516	152	2576078	95.882	ug/ml	98
53) 2,6-Dinitrotoluene	6.481	165	405952	99.032	ug/ml#	81
54) 1,2-Dinitrobenzene	6.522	168	162607	100.472	ug/ml	86
64) 3-Nitroaniline	6.622	138	479466	97.460	ug/ml	84
65) Acenaphthene	6.669	154	1500097	96.921	ug/ml	93
66) 2,4-Dinitrophenol	6.710	184	270911	104.204	ug/ml#	83
67) Dibenzofuran	6.822	168	2265310	94.120	ug/ml	93
68) 2,4-Dinitrotoluene	6.834	165	567082	98.057	ug/ml#	77
69) 4-Nitrophenol	6.787	65	327609	98.217	ug/ml	95
70) 2,3,5,6-Tetrachlorophenol	6.904	232	530766	101.565	ug/ml	98
71) 2,3,4,6-Tetrachlorophenol	6.939	232	516472	98.896	ug/ml	99
72) Diethyl phthalate	7.063	149	1974660	97.015	ug/ml	98
73) Fluorene	7.121	166	1861891	97.149	ug/ml	95
74) 4-Chlorophenyl phenyl ...	7.133	204	879626	97.812	ug/ml	88

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Buffy\201120ical\  
 Data File : ABNL8.D  
 Acq On : 20 Nov 2020 6:19 pm  
 Operator : Buffy:als  
 Sample : IL3,32,,ABNL100 Lot# 8908  
 Misc : WG1439209,,  
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 24 13:25:03 2020  
 Quant Method : I:\8270\Buffy\201120ical\FS201120buffy.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Tue Nov 24 12:04:32 2020  
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Buffy\201120ical\ABNL7.D  
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
75) 4-Nitroaniline	7.157	138	473596	91.951	ug/ml	98
76) 4,6-Dinitro-o-cresol	7.186	198	319735	98.053	ug/ml#	87
77) NDPA/DPA	7.245	169	1600850	95.781	ug/ml	97
78) Azobenzene	7.274	77	1531604	95.303	ug/ml#	87
80) 4-Bromophenyl phenyl e...	7.562	248	575658	101.083	ug/ml#	87
81) Hexachlorobenzene	7.609	284	693353	98.974	ug/ml#	83
82) Pentachlorophenol	7.780	266	446414	99.583	ug/ml	99
89) Phenanthrene	7.956	178	2708009	93.968	ug/ml	99
90) Anthracene	8.003	178	2843266	95.504	ug/ml	99
91) Carbazole	8.150	167	2658745	94.092	ug/ml	98
92) Di-n-butylphthalate	8.496	149	3296904	94.726	ug/ml#	98
93) Fluoranthene	8.996	202	3278929	92.949	ug/ml#	87
94) Benzidine	9.143	184	2400992	93.849	ug/ml#	92
95) Pyrene	9.201	202	3387152	92.152	ug/ml	99
97) Butyl benzyl phthalate	9.954	149	1600896	96.292	ug/ml#	77
105) Benzo(a)anthracene	10.570	228	3446792	96.857	ug/ml	99
106) 3,3'-Dichlorobenzidine	10.582	252	1470917	97.832	ug/ml#	95
107) Chrysene	10.623	228	3176406	92.851	ug/ml	99
108) Bis(2-ethylhexyl)phtha...	10.747	149	2406838	99.833	ug/ml#	91
109) Di-n-octylphthalate	11.746	149	4158755	97.345	ug/ml	97
110) Benzo(b)fluoranthene	12.145	252	3631175	92.938	ug/ml#	93
111) Benzo(k)fluoranthene	12.192	252	3255629	88.381	ug/ml#	92
112) Benzo(a)pyrene	12.645	252	3138203	90.150	ug/ml#	92
114) Indeno(1,2,3-cd)pyrene	14.437	276	3478558	99.583	ug/mL#	88
115) Dibenzo(a,h)anthracene	14.501	278	3363426	95.824	ug/ml#	89
116) Benzo(ghi)perylene	14.842	276	3509972	95.797	ug/ml#	74

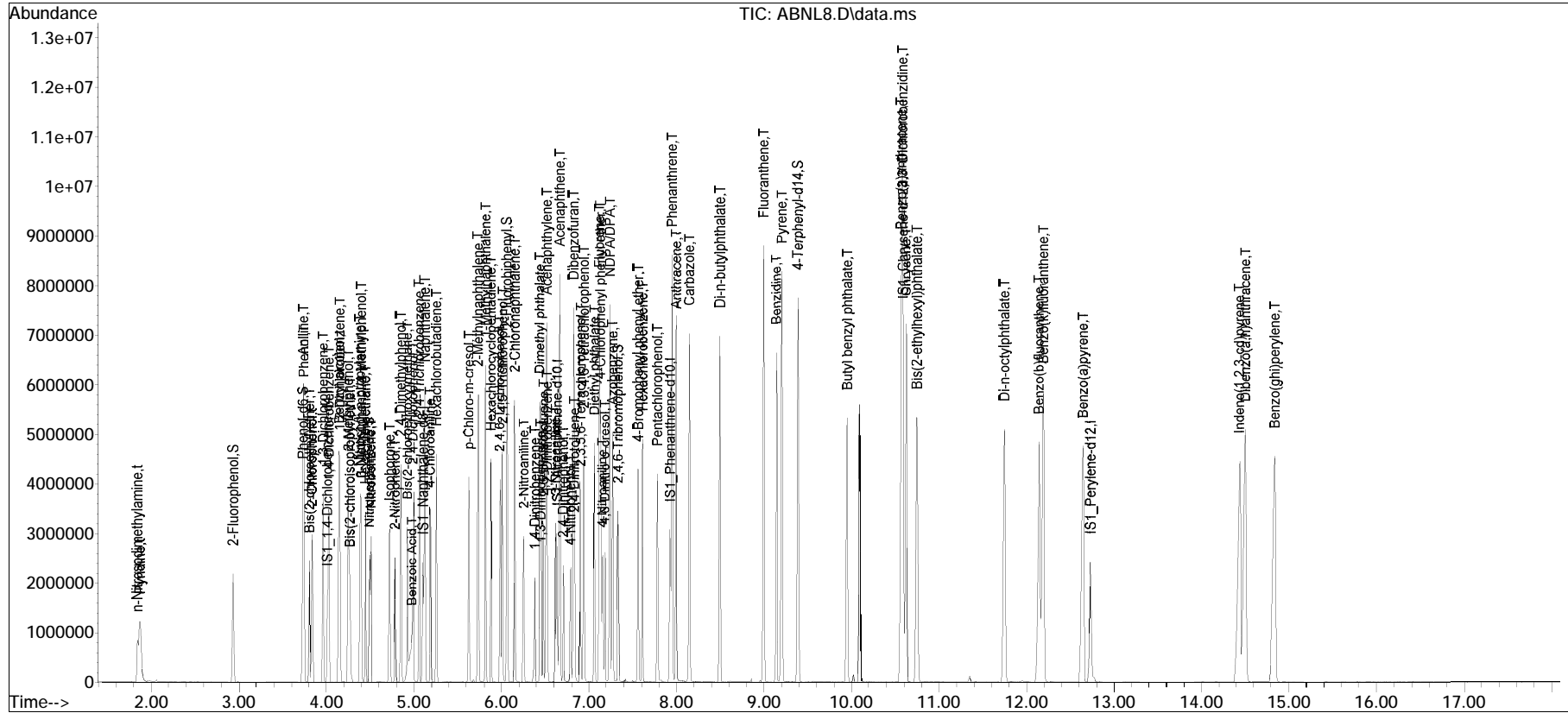
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Buffy\201120ical\  
 Data File : ABNL8.D  
 Acq On : 20 Nov 2020 6:19 pm  
 Operator : Buffy:als  
 Sample : IL3,32,,ABNL100 Lot# 8908  
 Misc : WG1439209,,  
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 24 13:25:03 2020  
 Quant Method : I:\8270\Buffy\201120ical\FS201120buffy.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Tue Nov 24 12:04:32 2020  
 Response via : Initial Calibration

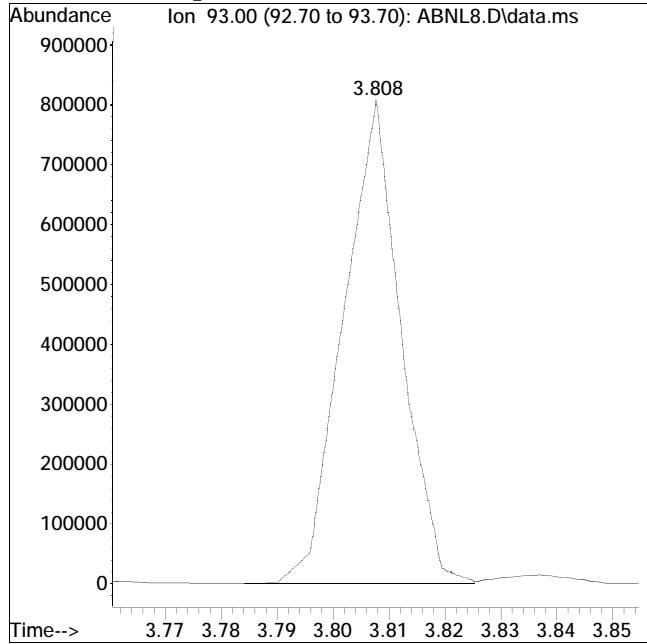
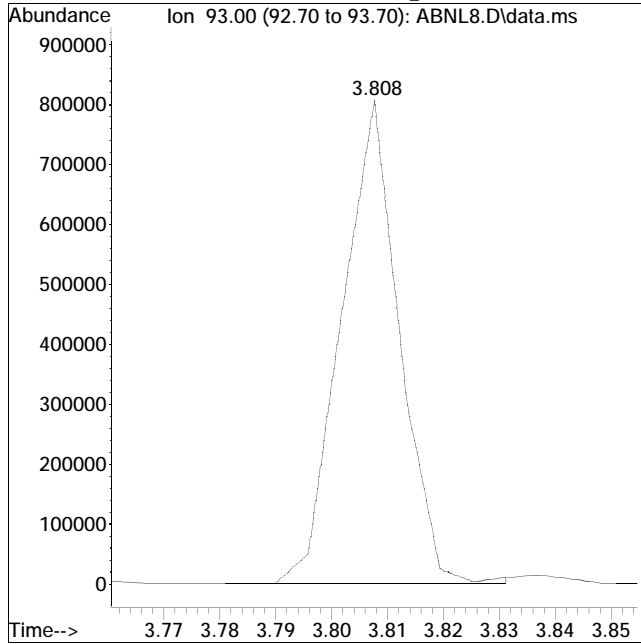
Sub List : ABNical - ABN ical sublistal\ABNL7.D•



Manual Integration Report

Data Path : I:\8270\Buffy\201120ical\ QMethod : FS201120buffy.m  
Data File : ABNL8.D Operator : Buffy:als  
Date Inj'd : 11/20/2020 6:19 pm Instrument : Buffy  
Sample : IL3,32,,ABNL100 Lot# 8908 Quant Date : 11/24/2020 12:24 pm

Compound #9: Bis(2-chloroethyl)ether



Original Peak Response = 580890

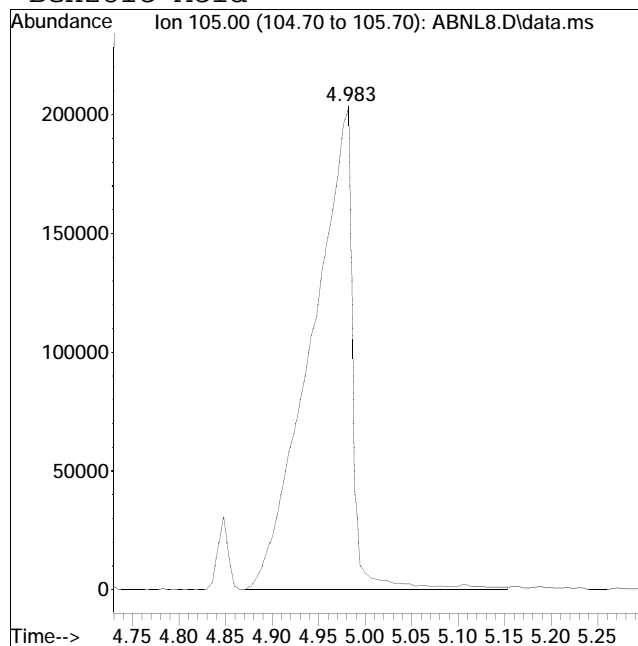
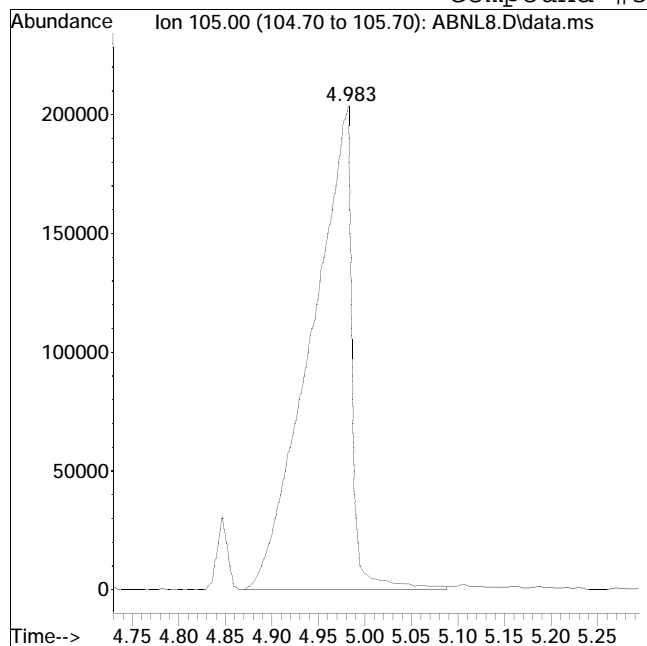
Manual Peak Response = 579414 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : I:\8270\Buffy\201120ical\ QMethod : FS201120buffy.m  
Data File : ABNL8.D Operator : Buffy:als  
Date Inj'd : 11/20/2020 6:19 pm Instrument : Buffy  
Sample : IL3,32,,ABNL100 Lot# 8908 Quant Date : 11/24/2020 12:24 pm

Compound #37: Benzoic Acid



Original Peak Response = 619400

Manual Peak Response = 626451 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Buffy\201120ical\  
 Data File : ABNL7.D  
 Acq On : 20 Nov 2020 6:41 pm  
 Operator : Buffy:als  
 Sample : IL4,32,,ABNL50 Lot# 9037  
 Misc : WG1439209,,  
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 24 15:32:41 2020  
 Quant Method : I:\8270\Buffy\201120ical\FS201120buffy.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Tue Nov 24 15:31:54 2020  
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Buffy\201120ical\ABNL7.D  
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----						
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.013	152	194251	40.000	ug/ml	0.00
Standard Area 1 = 194251			Recovery = 100.00%			
35) IS1_Naphthalene-d8	5.106	136	739255	40.000	ug/ml	0.00
Standard Area 1 = 739255			Recovery = 100.00%			
63) IS1_Acenaphthene-d10	6.640	164	428364	40.000	ug/ml	0.00
Standard Area 1 = 428364			Recovery = 100.00%			
88) IS1_Phenanthrene-d10	7.932	188	890994	40.000	ug/ml	0.00
Standard Area 1 = 890994			Recovery = 100.00%			
104) IS1_Chrysene-d12	10.582	240	1012023	40.000	ug/ml	0.00
Standard Area 1 = 1011965			Recovery = 100.01%			
113) IS1_Perylene-d12	12.727	264	1150413	40.000	ug/ml	0.00
Standard Area 1 = 1150413			Recovery = 100.00%			
System Monitoring Compounds						
4) 2-Fluorophenol	2.932	112	271494	49.241	ug/ml	0.00
Spiked Amount 50.000	Range 15 - 110		Recovery = 98.48%			
7) Phenol-d6	3.731	99	323985	49.010	ug/ml	0.00
Spiked Amount 50.000	Range 15 - 110		Recovery = 98.02%			
19) Nitrobenzene-d5	4.489	82	291783	47.925	ug/ml	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 191.70%#			
46) 2-Fluorobiphenyl	6.064	172	730981	45.957	ug/ml	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 183.83%#			
79) 2,4,6-Tribromophenol	7.327	330	142441	50.292	ug/ml	0.00
Spiked Amount 50.000	Range 15 - 110		Recovery = 100.58%			
96) 4-Terphenyl-d14	9.384	244	1103363	48.560	ug/ml	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 194.24%#			
Target Compounds						
						Qvalue
2) n-Nitrosodimethylamine	1.839	74	161700	47.674	ug/ml#	81
3) Pyridine	1.863	79	296869	47.558	ug/ml#	63
5) Aniline	3.737	93	423613	47.993	ug/ml	90
6) 2-Chlorophenol	3.837	128	311268	49.028	ug/ml	99
8) Phenol	3.737	94	367446	48.877	ug/ml	90
9) Bis(2-chloroethyl)ether	3.808	93	243278M6	47.336	ug/ml	
10) 1,3-Dichlorobenzene	3.966	146	357019	47.079	ug/ml	95
11) 1,4-Dichlorobenzene	4.031	146	356095	46.894	ug/ml	95
12) 1,2-Dichlorobenzene	4.154	146	347517	47.040	ug/ml	94
13) Benzyl alcohol	4.143	79	229563	49.531	ug/ml	98
14) Bis(2-chloroisopropyl)...	4.266	45	405951	48.240	ug/ml#	81

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Buffy\201120ical\  
 Data File : ABNL7.D  
 Acq On : 20 Nov 2020 6:41 pm  
 Operator : Buffy:als  
 Sample : IL4,32,,ABNL50 Lot# 9037  
 Misc : WG1439209,,  
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 24 15:32:41 2020  
 Quant Method : I:\8270\Buffy\201120ical\FS201120buffy.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Tue Nov 24 15:31:54 2020  
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Buffy\201120ical\ABNL7.D  
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
15) 2-Methylphenol	4.254	108	263205	48.462	ug/ml	99
16) Hexachloroethane	4.442	117	134913	46.668	ug/ml#	50
17) n-Nitrosodi-n-propylamine	4.378	70	192764	47.470	ug/ml#	92
18) 3-Methylphenol/4-Methy...	4.389	108	280218	49.187	ug/ml	95
20) Nitrobenzene	4.507	77	282124	48.272	ug/ml	96
21) Isophorone	4.718	82	528292	47.893	ug/ml	99
22) 2-Nitrophenol	4.783	139	159728	50.298	ug/ml	96
23) 2,4-Dimethylphenol	4.842	107	296923	48.880	ug/ml	98
24) Bis(2-chloroethoxy)met...	4.924	93	331678	46.298	ug/ml	98
25) 2,4-Dichlorophenol	4.995	162	276775	49.134	ug/ml#	93
26) 1,2,4-Trichlorobenzene	5.065	180	306168	47.140	ug/ml	99
36) Naphthalene	5.124	128	911725	46.784	ug/ml	100
37) Benzoic Acid	4.942	105	234184M3	50.260	ug/ml	
38) 4-Chloroaniline	5.183	65	104564	48.432	ug/ml	96
39) Hexachlorobutadiene	5.253	225	180359	46.236	ug/ml	100
40) p-Chloro-m-cresol	5.623	107	264717	49.640	ug/ml	93
41) 2-Methylnaphthalene	5.729	142	633010	46.648	ug/ml	93
42) 1-Methylnaphthalene	5.817	115	198980	46.723	ug/ml#	72
43) Hexachlorocyclopentadiene	5.882	237	239134	49.199	ug/ml	99
44) 2,4,6-Trichlorophenol	5.988	196	214315	50.269	ug/ml	99
45) 2,4,5-Trichlorophenol	6.017	196	234683	49.528	ug/ml	95
47) 2-Chloronaphthalene	6.152	162	615674	46.938	ug/ml	96
48) 2-Nitroaniline	6.252	138	217746	50.890	ug/ml	89
49) 1,4-Dinitrobenzene	6.375	168	94323	50.053	ug/ml	80
50) 1,3-Dinitrobenzene	6.440	168	107036	51.421	ug/ml	77
51) Dimethyl phthalate	6.434	163	749525	46.440	ug/ml#	97
52) Acenaphthylene	6.511	152	1083211	47.658	ug/ml	99
53) 2,6-Dinitrotoluene	6.475	165	165268	50.913	ug/ml#	80
54) 1,2-Dinitrobenzene	6.516	168	65251	50.007	ug/ml	89
64) 3-Nitroaniline	6.616	138	194277	51.222	ug/ml	83
65) Acenaphthene	6.663	154	611206	46.168	ug/ml	92
66) 2,4-Dinitrophenol	6.704	184	102667	52.466	ug/ml#	83
67) Dibenzofuran	6.816	168	950461	49.034	ug/ml	91
68) 2,4-Dinitrotoluene	6.822	165	228378	52.405	ug/ml#	77
69) 4-Nitrophenol	6.781	65	131722	52.409	ug/ml	95
70) 2,3,5,6-Tetrachlorophenol	6.898	232	206371	50.682	ug/ml	99
71) 2,3,4,6-Tetrachlorophenol	6.934	232	206233	50.051	ug/ml	99
72) Diethyl phthalate	7.057	149	803784	47.419	ug/ml	99
73) Fluorene	7.116	166	756839	47.525	ug/ml	95
74) 4-Chlorophenyl phenyl ...	7.133	204	355115	46.097	ug/ml	88

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Buffy\201120ical\  
 Data File : ABNL7.D  
 Acq On : 20 Nov 2020 6:41 pm  
 Operator : Buffy:als  
 Sample : IL4,32,,ABNL50 Lot# 9037  
 Misc : WG1439209,,  
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 24 15:32:41 2020  
 Quant Method : I:\8270\Buffy\201120ical\FS201120buffy.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Tue Nov 24 15:31:54 2020  
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Buffy\201120ical\ABNL7.D  
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
75) 4-Nitroaniline	7.145	138	203394	52.901	ug/ml	94
76) 4,6-Dinitro-o-cresol	7.180	198	128771	53.389	ug/ml#	84
77) NDPA/DPA	7.239	169	660025	48.178	ug/ml	98
78) Azobenzene	7.268	77	634608	47.788	ug/ml#	88
80) 4-Bromophenyl phenyl e...	7.556	248	224892	45.663	ug/ml#	89
81) Hexachlorobenzene	7.603	284	276645	46.420	ug/ml#	84
82) Pentachlorophenol	7.780	266	177028	53.987	ug/ml	100
89) Phenanthrene	7.950	178	1163538	48.049	ug/ml	99
90) Anthracene	7.997	178	1203164	47.571	ug/ml	98
91) Carbazole	8.150	167	1140869	48.953	ug/ml	99
92) Di-n-butylphthalate	8.496	149	1405224	50.424	ug/ml#	97
93) Fluoranthene	8.996	202	1424280	48.693	ug/ml#	87
94) Benzidine	9.143	184	1032935	55.886	ug/ml#	91
95) Pyrene	9.202	202	1484024	48.155	ug/ml	99
97) Butyl benzyl phthalate	9.948	149	671247	53.285	ug/ml#	78
105) Benzo(a)anthracene	10.571	228	1522062	46.886	ug/ml	99
106) 3,3'-Dichlorobenzidine	10.576	252	643063	53.059	ug/ml#	95
107) Chrysene	10.618	228	1463130	48.293	ug/ml	99
108) Bis(2-ethylhexyl)phtha...	10.747	149	1031146	52.335	ug/ml#	91
109) Di-n-octylphthalate	11.740	149	1827239	54.151	ug/ml	96
110) Benzo(b)fluoranthene	12.139	252	1671098	50.834	ug/ml#	92
111) Benzo(k)fluoranthene	12.180	252	1574676	51.088	ug/ml#	93
112) Benzo(a)pyrene	12.639	252	1488881	53.387	ug/ml#	92
114) Indeno(1,2,3-cd)pyrene	14.425	276	1658072	52.471	ug/mL#	89
115) Dibenzo(a,h)anthracene	14.484	278	1668681	51.628	ug/ml#	90
116) Benzo(ghi)perylene	14.819	276	1739162	51.455	ug/ml#	74

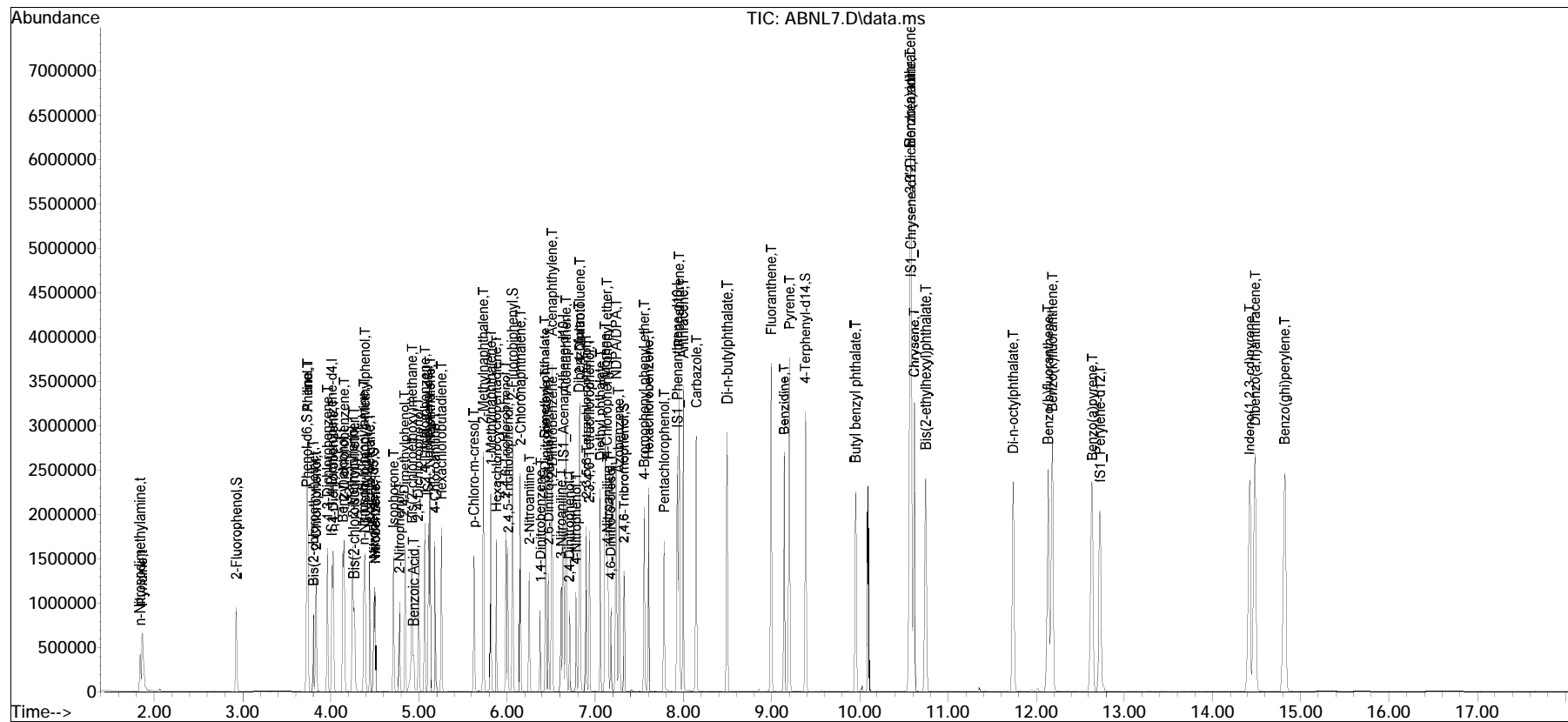
(#) = qualifier out of range (m) = manual integration (+) = signals summed



Data Path : I:\8270\Buffy\201120ical\  
Data File : ABNL7.D  
Acq On : 20 Nov 2020 6:41 pm  
Operator : Buffy:als  
Sample : IL4,32,,ABNL50 Lot# 9037  
Misc : WG1439209,,  
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 24 15:32:41 2020  
Quant Method : I:\8270\Buffy\201120ical\FS201120buffy.m  
Quant Title : Semivolatiles by GC/MS by modified 8270  
QLast Update : Tue Nov 24 15:31:54 2020  
Response via : Initial Calibration

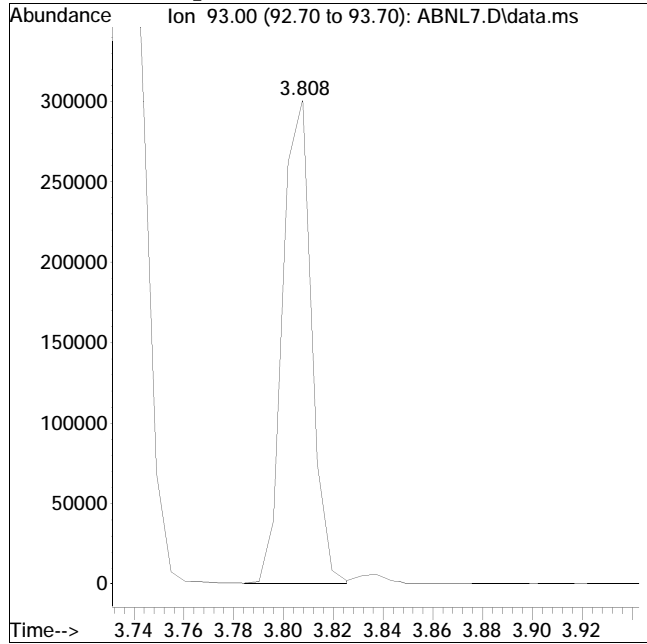
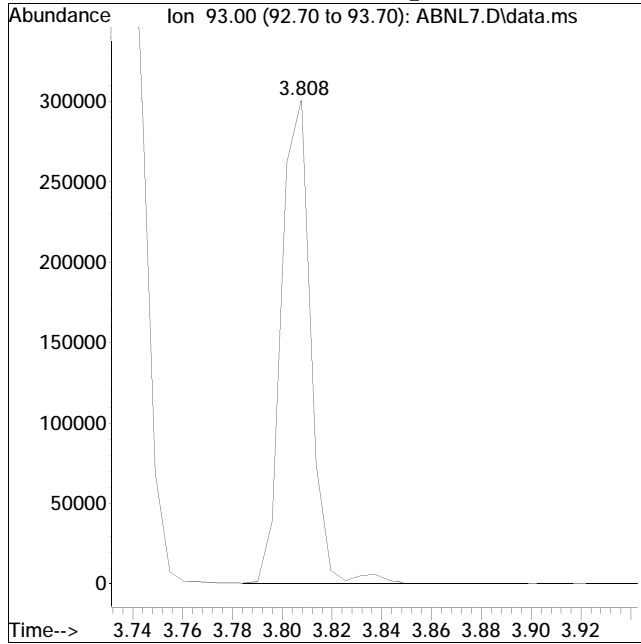
Sub List : ABNical - ABN ical sublistal\ABNL7.D•



Manual Integration Report

Data Path : I:\8270\Buffy\201120ical\ QMethod : FS201120buffy.m  
Data File : ABNL7.D Operator : Buffy:als  
Date Inj'd : 11/20/2020 6:41 pm Instrument : Buffy  
Sample : IL4,32,,ABNL50 Lot# 9037 Quant Date : 11/24/2020 3:32 pm

Compound #9: Bis(2-chloroethyl)ether



Original Peak Response = 248940

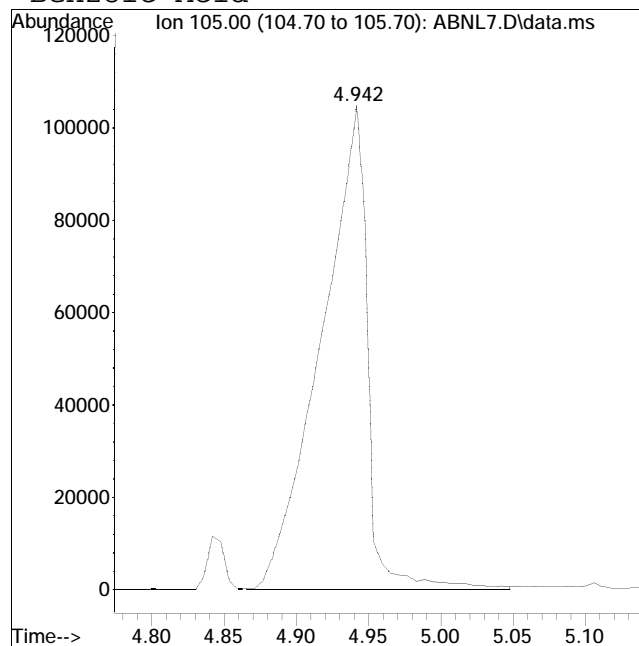
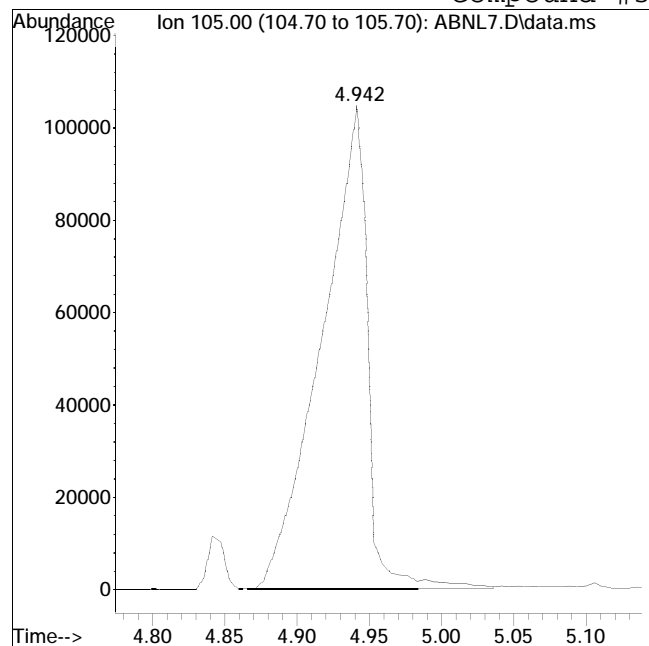
Manual Peak Response = 243278 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

# Manual Integration Report

Data Path : I:\8270\Buffy\201120ical\ QMethod : FS201120buffy.m  
Data File : ABNL7.D Operator : Buffy:als  
Date Inj'd : 11/20/2020 6:41 pm Instrument : Buffy  
Sample : IL4,32,,ABNL50 Lot# 9037 Quant Date : 11/24/2020 3:32 pm

## Compound #37: Benzoic Acid



Original Peak Response = 231778

Manual Peak Response = 234184 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Buffy\201120ical\  
 Data File : ABNL6.D  
 Acq On : 20 Nov 2020 7:04 pm  
 Operator : Buffy:als  
 Sample : IL5,32,,ABNL20 Lot# 8906  
 Misc : WG1439209,,  
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 24 13:27:34 2020  
 Quant Method : I:\8270\Buffy\201120ical\FS201120buffy.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Tue Nov 24 12:04:32 2020  
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Buffy\201120ical\ABNL7.D  
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
<b>Internal Standards</b>						
1) IS1_1,4-Dichlorobenzen...	4.013	152	208262	40.000	ug/ml	0.00
Standard Area 1 = 194251			Recovery =	107.21%		
35) IS1_Naphthalene-d8	5.106	136	784194	40.000	ug/ml	0.00
Standard Area 1 = 739255			Recovery =	106.08%		
63) IS1_Acenaphthene-d10	6.640	164	453284	40.000	ug/ml	0.00
Standard Area 1 = 428364			Recovery =	105.82%		
88) IS1_Phenanthrene-d10	7.932	188	946307	40.000	ug/ml	0.00
Standard Area 1 = 890994			Recovery =	106.21%		
104) IS1_Chrysene-d12	10.576	240	1024670	40.000	ug/ml	0.00
Standard Area 1 = 1011965			Recovery =	101.26%		
113) IS1_Perylene-d12	12.727	264	1136651	40.000	ug/ml	0.00
Standard Area 1 = 1150413			Recovery =	98.80%		
<b>System Monitoring Compounds</b>						
4) 2-Fluorophenol	2.932	112	115539	19.847	ug/ml	0.00
Spiked Amount 50.000	Range 15 - 110		Recovery =	39.69%		
7) Phenol-d6	3.725	99	139854	20.131	ug/ml	0.00
Spiked Amount 50.000	Range 15 - 110		Recovery =	40.26%		
19) Nitrobenzene-d5	4.489	82	124227	19.855	ug/ml	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	79.42%		
46) 2-Fluorobiphenyl	6.064	172	323160	20.838	ug/ml	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	83.35%		
79) 2,4,6-Tribromophenol	7.327	330	59625	19.779	ug/ml	0.00
Spiked Amount 50.000	Range 15 - 110		Recovery =	39.56%		
96) 4-Terphenyl-d14	9.384	244	474310	20.237	ug/ml	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	80.95%		
<b>Target Compounds</b>						
2) n-Nitrosodimethylamine	1.839	74	70265	20.265	ug/ml#	84
3) Pyridine	1.869	79	129807	20.392	ug/ml#	64
5) Aniline	3.737	93	186799	20.565	ug/ml	92
6) 2-Chlorophenol	3.837	128	134982	20.224	ug/ml	98
8) Phenol	3.737	94	158326	20.095	ug/ml	89
9) Bis(2-chloroethyl)ether	3.808	93	107950M6	20.694	ug/ml	
10) 1,3-Dichlorobenzene	3.966	146	155764	20.347	ug/ml	94
11) 1,4-Dichlorobenzene	4.031	146	158106	20.706	ug/ml	96
12) 1,2-Dichlorobenzene	4.154	146	154398	20.720	ug/ml#	93
13) Benzyl alcohol	4.143	79	98441	19.998	ug/ml	97
14) Bis(2-chloroisopropyl)...	4.266	45	175706	20.185	ug/ml#	82

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Buffy\201120ical\  
 Data File : ABNL6.D  
 Acq On : 20 Nov 2020 7:04 pm  
 Operator : Buffy:als  
 Sample : IL5,32,,ABNL20 Lot# 8906  
 Misc : WG1439209,,  
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 24 13:27:34 2020  
 Quant Method : I:\8270\Buffy\201120ical\FS201120buffy.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Tue Nov 24 12:04:32 2020  
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Buffy\201120ical\ABNL7.D  
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
15) 2-Methylphenol	4.254	108	113801	20.164	ug/ml	97
16) Hexachloroethane	4.442	117	60242	20.824	ug/ml#	52
17) n-Nitrosodi-n-propylamine	4.378	70	82959	20.071	ug/ml#	91
18) 3-Methylphenol/4-Methy...	4.389	108	119608	19.906	ug/ml	94
20) Nitrobenzene	4.507	77	122683	20.280	ug/ml	97
21) Isophorone	4.713	82	227618	20.094	ug/ml	99
22) 2-Nitrophenol	4.783	139	67452	19.694	ug/ml	94
23) 2,4-Dimethylphenol	4.842	107	125502	19.712	ug/ml	96
24) Bis(2-chloroethoxy)met...	4.924	93	146304	20.571	ug/ml	98
25) 2,4-Dichlorophenol	4.995	162	117687	19.830	ug/ml#	93
26) 1,2,4-Trichlorobenzene	5.065	180	132622	20.201	ug/ml	98
36) Naphthalene	5.124	128	404709	20.923	ug/ml	100
37) Benzoic Acid	4.918	105	89533M1	18.020	ug/ml	
38) 4-Chloroaniline	5.183	65	46217	20.833	ug/ml	98
39) Hexachlorobutadiene	5.253	225	77730	20.314	ug/ml	99
40) p-Chloro-m-cresol	5.623	107	115145	20.502	ug/ml	95
41) 2-Methylnaphthalene	5.729	142	278299	20.722	ug/ml	93
42) 1-Methylnaphthalene	5.811	115	87550	20.739	ug/ml#	71
43) Hexachlorocyclopentadiene	5.882	237	102294	20.163	ug/ml	98
44) 2,4,6-Trichlorophenol	5.988	196	90025	19.799	ug/ml	99
45) 2,4,5-Trichlorophenol	6.011	196	102135	20.513	ug/ml	98
47) 2-Chloronaphthalene	6.152	162	271992	20.823	ug/ml	95
48) 2-Nitroaniline	6.252	138	90273	19.541	ug/ml	89
49) 1,4-Dinitrobenzene	6.375	168	40182	20.080	ug/ml	79
50) 1,3-Dinitrobenzene	6.440	168	45495	20.034	ug/ml#	76
51) Dimethyl phthalate	6.434	163	328615	20.665	ug/ml#	98
52) Acenaphthylene	6.510	152	474711	20.657	ug/ml	99
53) 2,6-Dinitrotoluene	6.469	165	69674	19.871	ug/ml#	83
54) 1,2-Dinitrobenzene	6.510	168	27814	20.092	ug/ml	90
64) 3-Nitroaniline	6.610	138	82158	19.982	ug/ml	84
65) Acenaphthene	6.663	154	269837	20.861	ug/ml	94
66) 2,4-Dinitrophenol	6.704	184	40062	18.438	ug/ml#	84
67) Dibenzofuran	6.816	168	416764	20.719	ug/ml	91
68) 2,4-Dinitrotoluene	6.822	165	94389	19.529	ug/ml#	80
69) 4-Nitrophenol	6.781	65	54938	19.707	ug/ml	96
70) 2,3,5,6-Tetrachlorophenol	6.898	232	88225	20.200	ug/ml	99
71) 2,3,4,6-Tetrachlorophenol	6.934	232	87502	20.048	ug/ml	98
72) Diethyl phthalate	7.051	149	354384	20.833	ug/ml	99
73) Fluorene	7.116	166	336704	21.021	ug/ml	96
74) 4-Chlorophenyl phenyl ...	7.133	204	156058	20.764	ug/ml	89

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Buffy\201120ical\  
 Data File : ABNL6.D  
 Acq On : 20 Nov 2020 7:04 pm  
 Operator : Buffy:als  
 Sample : IL5,32,,ABNL20 Lot# 8906  
 Misc : WG1439209,,  
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 24 13:27:34 2020  
 Quant Method : I:\8270\Buffy\201120ical\FS201120buffy.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Tue Nov 24 12:04:32 2020  
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Buffy\201120ical\ABNL7.D  
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
75) 4-Nitroaniline	7.145	138	87717	20.378	ug/ml	92
76) 4,6-Dinitro-o-cresol	7.174	198	50466	18.518	ug/ml#	86
77) NDPA/DPA	7.239	169	291201	20.847	ug/ml	99
78) Azobenzene	7.268	77	280956	20.918	ug/ml#	88
80) 4-Bromophenyl phenyl e...	7.556	248	100500	21.116	ug/ml#	87
81) Hexachlorobenzene	7.603	284	121257	20.711	ug/ml#	82
82) Pentachlorophenol	7.780	266	70861	18.914	ug/ml	97
89) Phenanthrene	7.950	178	518786	20.990	ug/ml	98
90) Anthracene	7.997	178	531777	20.827	ug/ml	98
91) Carbazole	8.144	167	497378	20.524	ug/ml	99
92) Di-n-butylphthalate	8.496	149	606171	20.308	ug/ml#	97
93) Fluoranthene	8.990	202	605197	20.004	ug/ml#	87
94) Benzidine	9.137	184	421300	19.201	ug/ml#	91
95) Pyrene	9.196	202	642146	20.371	ug/ml	98
97) Butyl benzyl phthalate	9.948	149	275185	19.300	ug/ml#	76
105) Benzo(a)anthracene	10.565	228	642917	20.858	ug/ml	98
106) 3,3'-Dichlorobenzidine	10.570	252	259452	19.923	ug/ml#	95
107) Chrysene	10.612	228	617580	20.843	ug/ml	98
108) Bis(2-ethylhexyl)phtha...	10.747	149	430143	20.599	ug/ml#	90
109) Di-n-octylphthalate	11.740	149	703947	19.024	ug/ml	96
110) Benzo(b)fluoranthene	12.133	252	665415	19.663	ug/ml#	93
111) Benzo(k)fluoranthene	12.175	252	647876	20.306	ug/ml#	92
112) Benzo(a)pyrene	12.627	252	589153	19.540	ug/ml#	92
114) Indeno(1,2,3-cd)pyrene	14.413	276	634682	19.371	ug/mL#	89
115) Dibenzo(a,h)anthracene	14.472	278	653870	19.860	ug/ml#	89
116) Benzo(ghi)perylene	14.807	276	674810	19.635	ug/ml#	74

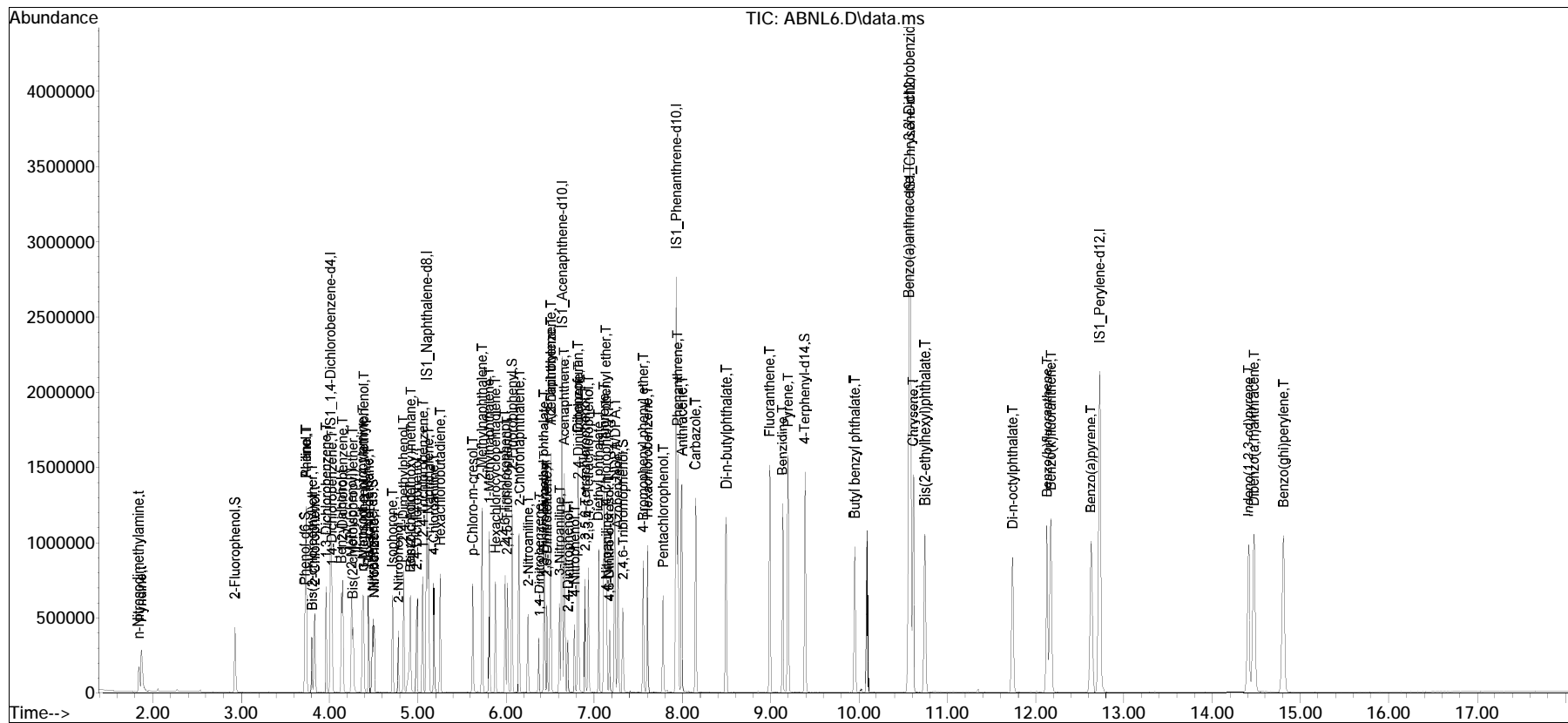
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Buffy\201120ical\  
 Data File : ABNL6.D  
 Acq On : 20 Nov 2020 7:04 pm  
 Operator : Buffy:als  
 Sample : IL5,32,,ABNL20 Lot# 8906  
 Misc : WG1439209,,  
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 24 13:27:34 2020  
 Quant Method : I:\8270\Buffy\201120ical\FS201120buffy.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Tue Nov 24 12:04:32 2020  
 Response via : Initial Calibration

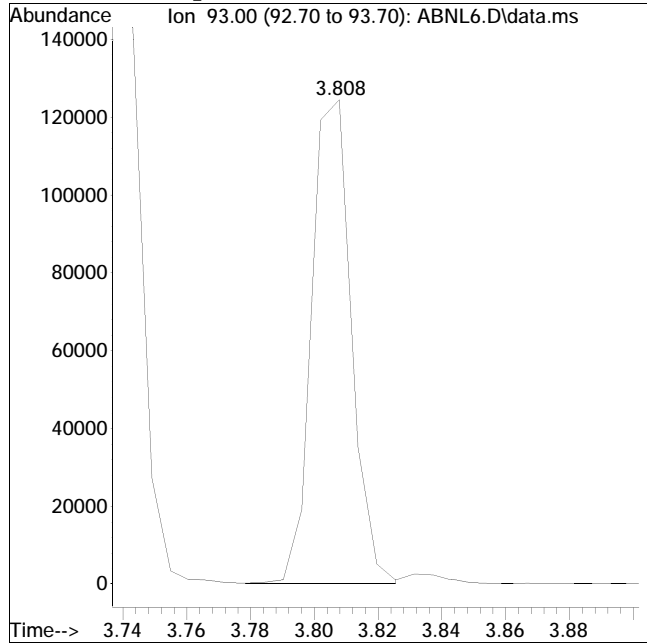
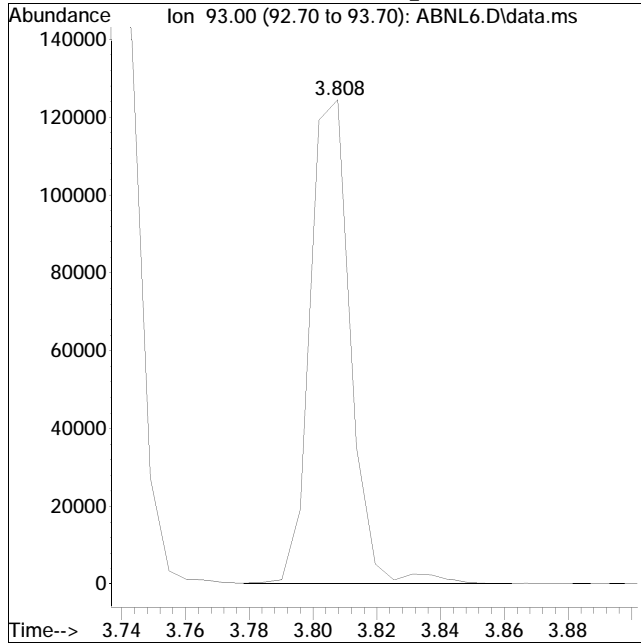
Sub List : ABNical - ABN ical sublistal\ABNL7.D•



Manual Integration Report

Data Path : I:\8270\Buffy\201120ical\ QMethod : FS201120buffy.m  
Data File : ABNL6.D Operator : Buffy:als  
Date Inj'd : 11/20/2020 7:04 pm Instrument : Buffy  
Sample : IL5,32,,ABNL20 Lot# 8906 Quant Date : 11/24/2020 12:24 pm

Compound #9: Bis(2-chloroethyl)ether



Original Peak Response = 110375

Manual Peak Response = 107950 M6

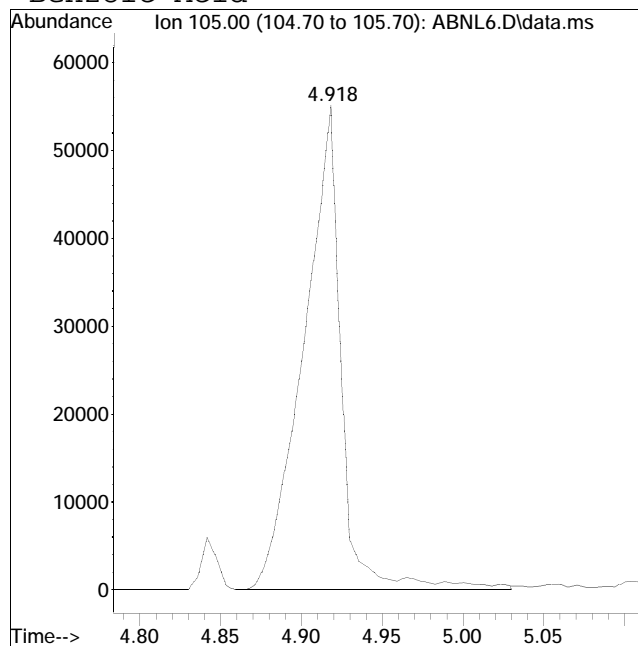
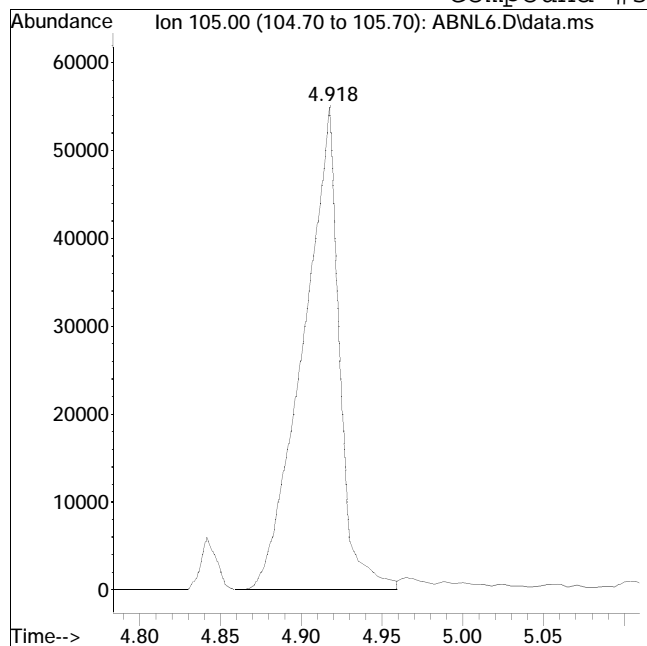
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).



Manual Integration Report

Data Path : I:\8270\Buffy\201120ical\ QMethod : FS201120buffy.m  
Data File : ABNL6.D Operator : Buffy:als  
Date Inj'd : 11/20/2020 7:04 pm Instrument : Buffy  
Sample : IL5,32,,ABNL20 Lot# 8906 Quant Date : 11/24/2020 12:24 pm

Compound #37: Benzoic Acid



Original Peak Response = 86382

Manual Peak Response = 89533 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Buffy\201120ical\  
 Data File : ABNL5.D  
 Acq On : 20 Nov 2020 7:27 pm  
 Operator : Buffy:als  
 Sample : IL6,32,,ABNL10 Lot# 8905  
 Misc : WG1439209,,  
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 24 13:29:49 2020  
 Quant Method : I:\8270\Buffy\201120ical\FS201120buffy.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Tue Nov 24 12:04:32 2020  
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Buffy\201120ical\ABNL7.D  
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
<b>Internal Standards</b>						
1) IS1_1,4-Dichlorobenzen...	4.013	152	222716	40.000	ug/ml	0.00
Standard Area 1 = 194251			Recovery =	114.65%		
35) IS1_Naphthalene-d8	5.106	136	853407	40.000	ug/ml	0.00
Standard Area 1 = 739255			Recovery =	115.44%		
63) IS1_Acenaphthene-d10	6.640	164	504817	40.000	ug/ml	0.00
Standard Area 1 = 428364			Recovery =	117.85%		
88) IS1_Phenanthrene-d10	7.932	188	1058896	40.000	ug/ml	0.00
Standard Area 1 = 890994			Recovery =	118.84%		
104) IS1_Chrysene-d12	10.576	240	1115182	40.000	ug/ml	0.00
Standard Area 1 = 1011965			Recovery =	110.20%		
113) IS1_Perylene-d12	12.727	264	1190667	40.000	ug/ml	0.00
Standard Area 1 = 1150413			Recovery =	103.50%		
<b>System Monitoring Compounds</b>						
4) 2-Fluorophenol	2.932	112	62910	10.105	ug/ml	0.00
Spiked Amount 50.000	Range 15 - 110		Recovery =	20.21%		
7) Phenol-d6	3.725	99	77279	10.402	ug/ml	0.00
Spiked Amount 50.000	Range 15 - 110		Recovery =	20.80%		
19) Nitrobenzene-d5	4.489	82	69473	10.383	ug/ml	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	41.53%		
46) 2-Fluorobiphenyl	6.064	172	185110	10.968	ug/ml	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	43.87%		
79) 2,4,6-Tribromophenol	7.327	330	33196	9.888	ug/ml	0.00
Spiked Amount 50.000	Range 15 - 110		Recovery =	19.78%		
96) 4-Terphenyl-d14	9.384	244	270955	10.332	ug/ml	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	41.33%		
<b>Target Compounds</b>						
						Qvalue
2) n-Nitrosodimethylamine	1.845	74	39389	10.623	ug/ml#	89
3) Pyridine	1.875	79	72144	10.598	ug/ml#	63
5) Aniline	3.737	93	99584	10.252	ug/ml	90
6) 2-Chlorophenol	3.837	128	72993	10.227	ug/ml	99
8) Phenol	3.737	94	86900	10.314	ug/ml	90
9) Bis(2-chloroethyl)ether	3.802	93	58939M6	10.565	ug/ml	
10) 1,3-Dichlorobenzene	3.966	146	87527	10.691	ug/ml	93
11) 1,4-Dichlorobenzene	4.025	146	87356	10.698	ug/ml	96
12) 1,2-Dichlorobenzene	4.154	146	83065	10.424	ug/ml	94
13) Benzyl alcohol	4.143	79	53069	10.081	ug/ml	98
14) Bis(2-chloroisopropyl)...	4.266	45	97054	10.426	ug/ml#	83

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Buffy\201120ical\  
 Data File : ABNL5.D  
 Acq On : 20 Nov 2020 7:27 pm  
 Operator : Buffy:als  
 Sample : IL6,32,,ABNL10 Lot# 8905  
 Misc : WG1439209,,  
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 24 13:29:49 2020  
 Quant Method : I:\8270\Buffy\201120ical\FS201120buffy.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Tue Nov 24 12:04:32 2020  
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Buffy\201120ical\ABNL7.D  
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
15) 2-Methylphenol	4.248	108	64494	10.686	ug/ml	99
16) Hexachloroethane	4.442	117	32370	10.463	ug/ml#	49
17) n-Nitrosodi-n-propylamine	4.378	70	45719	10.343	ug/ml#	91
18) 3-Methylphenol/4-Methy...	4.389	108	66113	10.289	ug/ml	93
20) Nitrobenzene	4.501	77	66814	10.328	ug/ml	95
21) Isophorone	4.713	82	129695	10.706	ug/ml	99
22) 2-Nitrophenol	4.783	139	37051	10.116	ug/ml	96
23) 2,4-Dimethylphenol	4.842	107	71181	10.454	ug/ml	96
24) Bis(2-chloroethoxy)met...	4.924	93	82996	10.912	ug/ml	98
25) 2,4-Dichlorophenol	4.995	162	66342	10.453	ug/ml#	92
26) 1,2,4-Trichlorobenzene	5.065	180	72462	10.321	ug/ml	97
36) Naphthalene	5.124	128	230167	10.934	ug/ml	99
37) Benzoic Acid	4.906	105	46289M1	8.561	ug/ml	
38) 4-Chloroaniline	5.183	65	25417	10.528	ug/ml	93
39) Hexachlorobutadiene	5.253	225	44723	10.740	ug/ml	99
40) p-Chloro-m-cresol	5.623	107	63037	10.314	ug/ml	92
41) 2-Methylnaphthalene	5.729	142	160160	10.959	ug/ml	94
42) 1-Methylnaphthalene	5.811	115	49478	10.770	ug/ml#	73
43) Hexachlorocyclopentadiene	5.882	237	56380	10.212	ug/ml	99
44) 2,4,6-Trichlorophenol	5.988	196	50693	10.245	ug/ml	98
45) 2,4,5-Trichlorophenol	6.011	196	58232	10.747	ug/ml	100
47) 2-Chloronaphthalene	6.152	162	154556	10.873	ug/ml	96
48) 2-Nitroaniline	6.252	138	50131	9.972	ug/ml	92
49) 1,4-Dinitrobenzene	6.375	168	21887	10.050	ug/ml	81
50) 1,3-Dinitrobenzene	6.440	168	26021	10.529	ug/ml	77
51) Dimethyl phthalate	6.428	163	194579	11.244	ug/ml#	97
52) Acenaphthylene	6.510	152	273237	10.925	ug/ml	99
53) 2,6-Dinitrotoluene	6.469	165	39089	10.244	ug/ml#	81
54) 1,2-Dinitrobenzene	6.510	168	15276	10.140	ug/ml	94
64) 3-Nitroaniline	6.610	138	46230	10.096	ug/ml	83
65) Acenaphthene	6.663	154	160047	11.110	ug/ml	95
66) 2,4-Dinitrophenol	6.704	184	20663	8.539	ug/ml#	85
67) Dibenzofuran	6.816	168	243515	10.870	ug/ml	91
68) 2,4-Dinitrotoluene	6.822	165	54427	10.111	ug/ml#	82
69) 4-Nitrophenol	6.775	65	30461	9.811	ug/ml	99
70) 2,3,5,6-Tetrachlorophenol	6.898	232	49334	10.143	ug/ml	99
71) 2,3,4,6-Tetrachlorophenol	6.934	232	50668	10.424	ug/ml	99
72) Diethyl phthalate	7.051	149	208435	11.002	ug/ml	99
73) Fluorene	7.116	166	195857	10.980	ug/ml	96
74) 4-Chlorophenyl phenyl ...	7.133	204	92118	11.005	ug/ml	89

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Buffy\201120ical\  
 Data File : ABNL5.D  
 Acq On : 20 Nov 2020 7:27 pm  
 Operator : Buffy:als  
 Sample : IL6,32,,ABNL10 Lot# 8905  
 Misc : WG1439209,,  
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 24 13:29:49 2020  
 Quant Method : I:\8270\Buffy\201120ical\FS201120buffy.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Tue Nov 24 12:04:32 2020  
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Buffy\201120ical\ABNL7.D  
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
75) 4-Nitroaniline	7.139	138	47516	9.912	ug/ml	96
76) 4,6-Dinitro-o-cresol	7.174	198	28155	9.277	ug/ml#	85
77) NDPA/DPA	7.239	169	168774	10.849	ug/ml	98
78) Azobenzene	7.268	77	163676	10.942	ug/ml#	88
80) 4-Bromophenyl phenyl e...	7.556	248	59761	11.274	ug/ml#	88
81) Hexachlorobenzene	7.603	284	70286	10.779	ug/ml#	82
82) Pentachlorophenol	7.780	266	38804	9.300	ug/ml	100
89) Phenanthrene	7.950	178	305487	11.046	ug/ml	98
90) Anthracene	7.991	178	311166	10.891	ug/ml	97
91) Carbazole	8.144	167	287780	10.612	ug/ml	99
92) Di-n-butylphthalate	8.496	149	348190	10.425	ug/ml#	97
93) Fluoranthene	8.990	202	358295	10.584	ug/ml#	88
94) Benzidine	9.137	184	223654	9.110	ug/ml#	91
95) Pyrene	9.196	202	375159	10.636	ug/ml	98
97) Butyl benzyl phthalate	9.948	149	145511	9.120	ug/ml#	77
105) Benzo(a)anthracene	10.565	228	360294	10.740	ug/ml	99
106) 3,3'-Dichlorobenzidine	10.571	252	137100	9.673	ug/ml#	96
107) Chrysene	10.612	228	347749	10.784	ug/ml	97
108) Bis(2-ethylhexyl)phtha...	10.747	149	230478	10.141	ug/ml#	90
109) Di-n-octylphthalate	11.740	149	359841	8.935	ug/ml	96
110) Benzo(b)fluoranthene	12.128	252	375150	10.186	ug/ml#	90
111) Benzo(k)fluoranthene	12.169	252	339171	9.768	ug/ml#	93
112) Benzo(a)pyrene	12.627	252	310145	9.451	ug/ml#	92
114) Indeno(1,2,3-cd)pyrene	14.407	276	327127	9.531	ug/mL#	89
115) Dibenzo(a,h)anthracene	14.472	278	338794	9.824	ug/ml#	90
116) Benzo(ghi)perylene	14.801	276	351719	9.770	ug/ml#	74

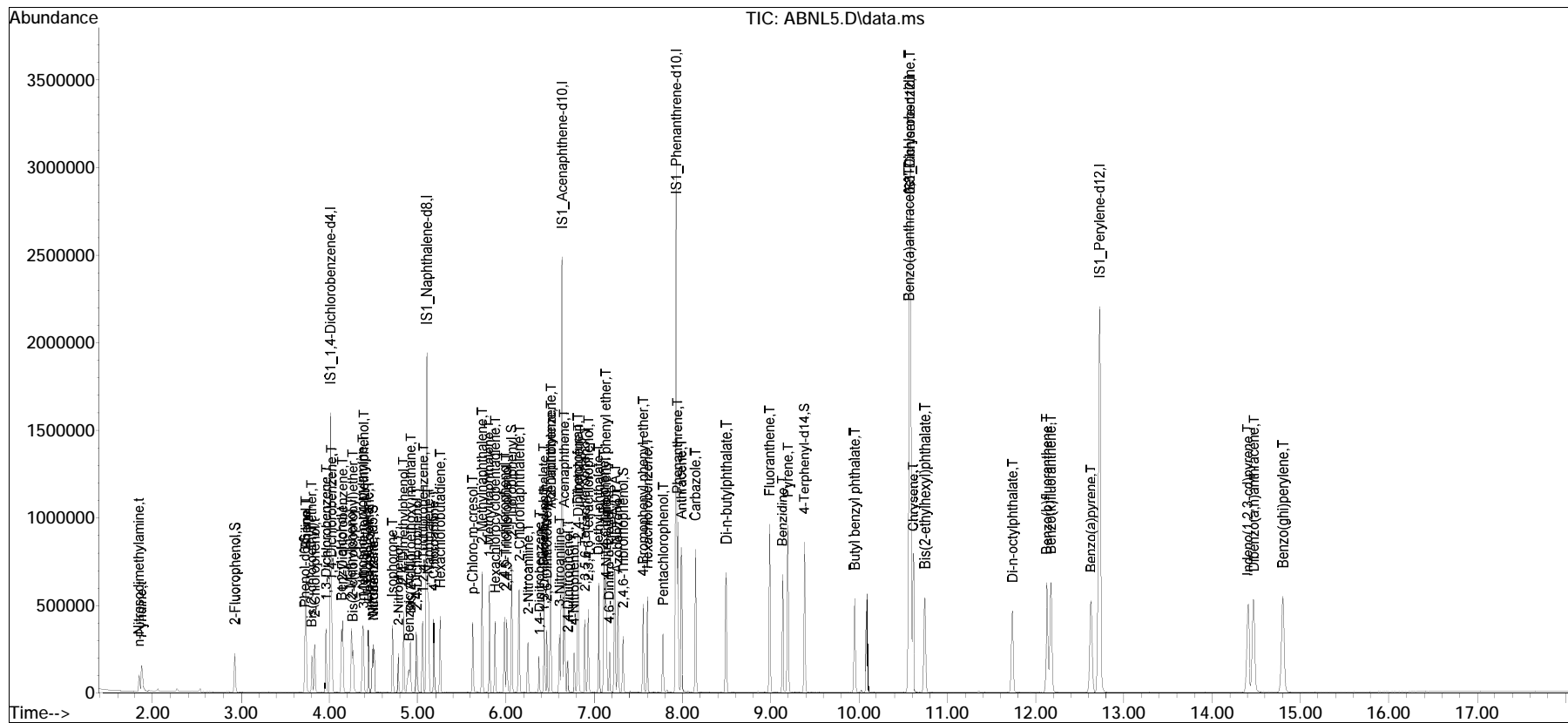
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Buffy\201120ical\  
 Data File : ABNL5.D  
 Acq On : 20 Nov 2020 7:27 pm  
 Operator : Buffy:als  
 Sample : IL6,32,,ABNL10 Lot# 8905  
 Misc : WG1439209,,  
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 24 13:29:49 2020  
 Quant Method : I:\8270\Buffy\201120ical\FS201120buffy.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Tue Nov 24 12:04:32 2020  
 Response via : Initial Calibration

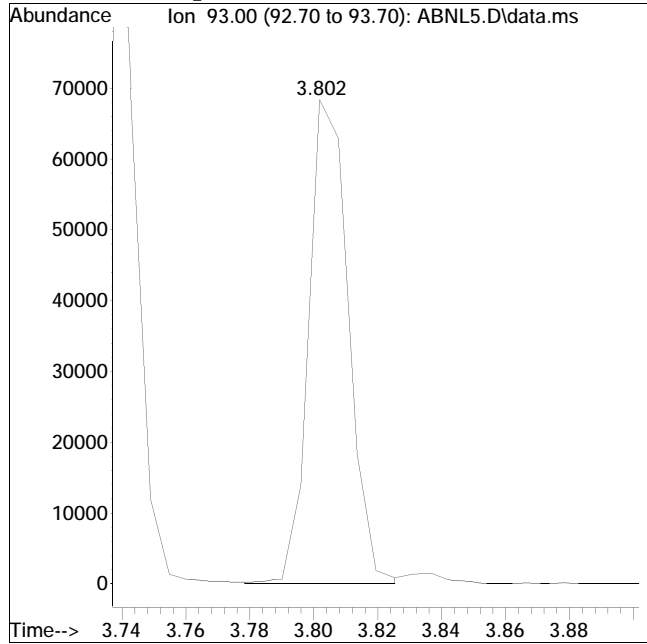
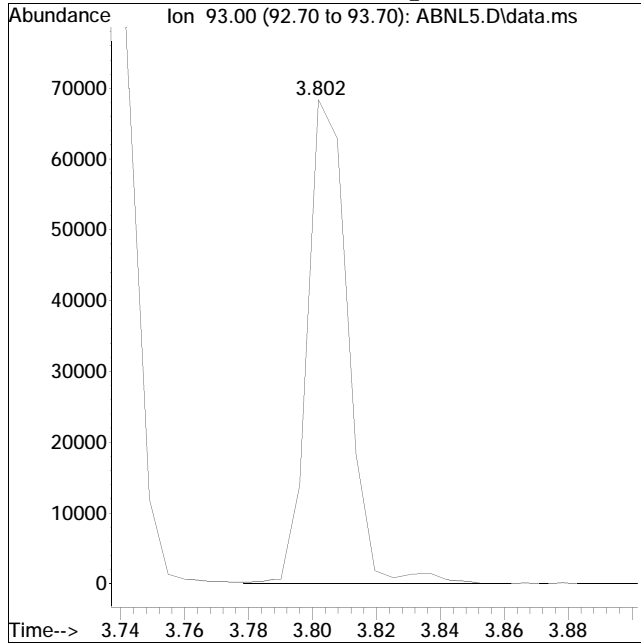
Sub List : ABNical - ABN ical sublistal\ABNL7.D•



Manual Integration Report

Data Path : I:\8270\Buffy\201120ical\ QMethod : FS201120buffy.m  
Data File : ABNL5.D Operator : Buffy:als  
Date Inj'd : 11/20/2020 7:27 pm Instrument : Buffy  
Sample : IL6,32,,ABNL10 Lot# 8905 Quant Date : 11/24/2020 12:24 pm

Compound #9: Bis(2-chloroethyl)ether



Original Peak Response = 60206

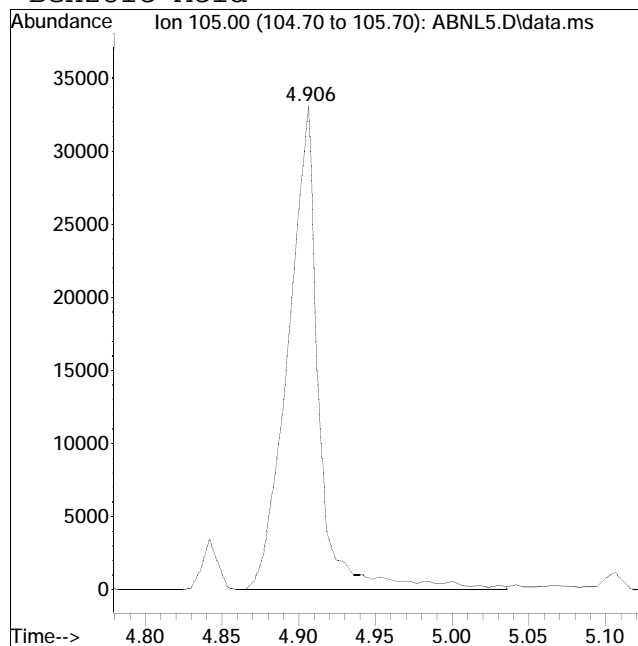
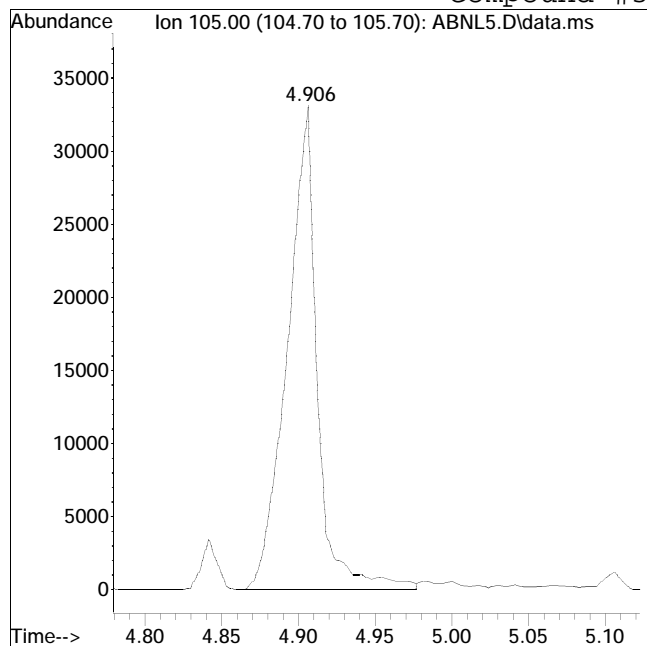
Manual Peak Response = 58939 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : I:\8270\Buffy\201120ical\ QMethod : FS201120buffy.m  
Data File : ABNL5.D Operator : Buffy:als  
Date Inj'd : 11/20/2020 7:27 pm Instrument : Buffy  
Sample : IL6,32,,ABNL10 Lot# 8905 Quant Date : 11/24/2020 12:24 pm

Compound #37: Benzoic Acid



Original Peak Response = 45051

Manual Peak Response = 46289 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Buffy\201120ical\  
 Data File : ABNL4.D  
 Acq On : 20 Nov 2020 7:50 pm  
 Operator : Buffy:als  
 Sample : IL7,32,,ABNL5 Lot# 8904  
 Misc : WG1439209,,  
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 24 13:33:52 2020  
 Quant Method : I:\8270\Buffy\201120ical\FS201120buffy.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Tue Nov 24 12:04:32 2020  
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Buffy\201120ical\ABNL7.D  
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
-----							
Internal Standards							
1) IS1_1,4-Dichlorobenzen...	4.013	152	216092	40.000	ug/ml	0.00	
Standard Area 1 = 194251			Recovery =	111.24%			
35) IS1_Naphthalene-d8	5.106	136	834431	40.000	ug/ml	0.00	
Standard Area 1 = 739255			Recovery =	112.87%			
63) IS1_Acenaphthene-d10	6.634	164	489647	40.000	ug/ml	0.00	
Standard Area 1 = 428364			Recovery =	114.31%			
88) IS1_Phenanthrene-d10	7.932	188	1011400	40.000	ug/ml	0.00	
Standard Area 1 = 890994			Recovery =	113.51%			
104) IS1_Chrysene-d12	10.576	240	1070072	40.000	ug/ml	0.00	
Standard Area 1 = 1011965			Recovery =	105.74%			
113) IS1_Perylene-d12	12.727	264	1148506	40.000	ug/ml	0.00	
Standard Area 1 = 1150413			Recovery =	99.83%			
System Monitoring Compounds							
4) 2-Fluorophenol	2.932	112	30716	5.085	ug/ml	0.00	
Spiked Amount 50.000	Range 15 - 110		Recovery =	10.17%#			
7) Phenol-d6	3.725	99	37025	5.136	ug/ml	0.00	
Spiked Amount 50.000	Range 15 - 110		Recovery =	10.27%#			
19) Nitrobenzene-d5	4.489	82	33732	5.196	ug/ml	0.00	
Spiked Amount 25.000	Range 30 - 130		Recovery =	20.78%#			
46) 2-Fluorobiphenyl	6.064	172	90778	5.501	ug/ml	0.00	
Spiked Amount 25.000	Range 30 - 130		Recovery =	22.00%#			
79) 2,4,6-Tribromophenol	7.327	330	15913	4.887	ug/ml	0.00	
Spiked Amount 50.000	Range 15 - 110		Recovery =	9.77%#			
96) 4-Terphenyl-d14	9.384	244	130609	5.214	ug/ml	0.00	
Spiked Amount 25.000	Range 30 - 130		Recovery =	20.86%#			
Target Compounds							
							Qvalue
2) n-Nitrosodimethylamine	1.851	74	18743	5.210	ug/ml#		87
3) Pyridine	1.881	79	34381	5.205	ug/ml#		65
5) Aniline	3.737	93	50089	5.315	ug/ml		93
6) 2-Chlorophenol	3.831	128	36900	5.328	ug/ml		96
8) Phenol	3.737	94	40873	5.000	ug/ml		87
9) Bis(2-chloroethyl)ether	3.808	93	29705M6	5.488	ug/ml		
10) 1,3-Dichlorobenzene	3.966	146	44102	5.552	ug/ml		94
11) 1,4-Dichlorobenzene	4.025	146	42754	5.396	ug/ml		96
12) 1,2-Dichlorobenzene	4.154	146	41524	5.371	ug/ml		94
13) Benzyl alcohol	4.143	79	25452	4.983	ug/ml		97
14) Bis(2-chloroisopropyl)...	4.266	45	47047	5.209	ug/ml#		82



Quantitation Report (QT Reviewed)

Data Path : I:\8270\Buffy\201120ical\  
 Data File : ABNL4.D  
 Acq On : 20 Nov 2020 7:50 pm  
 Operator : Buffy:als  
 Sample : IL7,32,,ABNL5 Lot# 8904  
 Misc : WG1439209,,  
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 24 13:33:52 2020  
 Quant Method : I:\8270\Buffy\201120ical\FS201120buffy.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Tue Nov 24 12:04:32 2020  
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Buffy\201120ical\ABNL7.D  
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
15) 2-Methylphenol	4.248	108	29906	5.107	ug/ml	99
16) Hexachloroethane	4.442	117	16067	5.353	ug/ml#	46
17) n-Nitrosodi-n-propylamine	4.378	70	21494	5.012	ug/ml	93
18) 3-Methylphenol/4-Methy...	4.389	108	30955	4.965	ug/ml	93
20) Nitrobenzene	4.501	77	32079	5.111	ug/ml	94
21) Isophorone	4.713	82	61516	5.234	ug/ml	98
22) 2-Nitrophenol	4.783	139	16914	4.759	ug/ml	95
23) 2,4-Dimethylphenol	4.842	107	33037	5.001	ug/ml	97
24) Bis(2-chloroethoxy)met...	4.924	93	40247	5.454	ug/ml#	93
25) 2,4-Dichlorophenol	4.989	162	31090	5.049	ug/ml#	93
26) 1,2,4-Trichlorobenzene	5.059	180	36479	5.355	ug/ml	98
36) Naphthalene	5.124	128	110852	5.386	ug/ml	99
37) Benzoic Acid	4.895	105	18555M3	3.510	ug/ml	
38) 4-Chloroaniline	5.183	65	11868	5.028	ug/ml	92
39) Hexachlorobutadiene	5.253	225	21743	5.340	ug/ml	99
40) p-Chloro-m-cresol	5.623	107	28530	4.774	ug/ml	89
41) 2-Methylnaphthalene	5.729	142	76404	5.347	ug/ml	92
42) 1-Methylnaphthalene	5.811	115	24107	5.367	ug/ml#	72
43) Hexachlorocyclopentadiene	5.882	237	26841	4.972	ug/ml	97
44) 2,4,6-Trichlorophenol	5.988	196	23988	4.958	ug/ml	99
45) 2,4,5-Trichlorophenol	6.011	196	25812	4.872	ug/ml	98
47) 2-Chloronaphthalene	6.152	162	74806	5.382	ug/ml	97
48) 2-Nitroaniline	6.252	138	22619	4.601	ug/ml	92
49) 1,4-Dinitrobenzene	6.369	168	9423	4.425	ug/ml	84
50) 1,3-Dinitrobenzene	6.440	168	11638	4.816	ug/ml	79
51) Dimethyl phthalate	6.428	163	90964	5.376	ug/ml#	98
52) Acenaphthylene	6.505	152	129863	5.311	ug/ml	97
53) 2,6-Dinitrotoluene	6.469	165	17530	4.699	ug/ml	87
54) 1,2-Dinitrobenzene	6.510	168	7347	4.988	ug/ml	89
64) 3-Nitroaniline	6.610	138	21213	4.776	ug/ml	86
65) Acenaphthene	6.663	154	78302	5.604	ug/ml	97
66) 2,4-Dinitrophenol	6.704	184	8726	3.718	ug/ml#	84
67) Dibenzofuran	6.816	168	116190	5.347	ug/ml	91
68) 2,4-Dinitrotoluene	6.822	165	24215	4.638	ug/ml	85
69) 4-Nitrophenol	6.775	65	13456	4.468	ug/ml	96
70) 2,3,5,6-Tetrachlorophenol	6.898	232	22648	4.800	ug/ml	98
71) 2,3,4,6-Tetrachlorophenol	6.934	232	23857M4	5.060	ug/ml	
72) Diethyl phthalate	7.051	149	98335	5.351	ug/ml	99
73) Fluorene	7.116	166	91954	5.315	ug/ml	94
74) 4-Chlorophenyl phenyl ...	7.127	204	45010	5.544	ug/ml#	87

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Buffy\201120ical\  
 Data File : ABNL4.D  
 Acq On : 20 Nov 2020 7:50 pm  
 Operator : Buffy:als  
 Sample : IL7,32,,ABNL5 Lot# 8904  
 Misc : WG1439209,,  
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 24 13:33:52 2020  
 Quant Method : I:\8270\Buffy\201120ical\FS201120buffy.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Tue Nov 24 12:04:32 2020  
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Buffy\201120ical\ABNL7.D  
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
75) 4-Nitroaniline	7.139	138	22202	4.775	ug/ml	94
76) 4,6-Dinitro-o-cresol	7.174	198	11213	3.809	ug/ml#	90
77) NDPA/DPA	7.233	169	79428	5.264	ug/ml	99
78) Azobenzene	7.263	77	77553	5.345	ug/ml#	88
80) 4-Bromophenyl phenyl e...	7.556	248	28073	5.460	ug/ml#	89
81) Hexachlorobenzene	7.603	284	33974	5.372	ug/ml#	85
82) Pentachlorophenol	7.780	266	16540	4.087	ug/ml	97
89) Phenanthrene	7.950	178	146989	5.564	ug/ml	98
90) Anthracene	7.991	178	147777	5.415	ug/ml	97
91) Carbazole	8.144	167	136425	5.267	ug/ml	98
92) Di-n-butylphthalate	8.491	149	159323	4.994	ug/ml#	97
93) Fluoranthene	8.990	202	167993	5.195	ug/ml#	87
94) Benzidine	9.137	184	99409	4.239	ug/ml#	90
95) Pyrene	9.196	202	179675	5.333	ug/ml	97
97) Butyl benzyl phthalate	9.948	149	63580	4.172	ug/ml#	80
105) Benzo(a)anthracene	10.565	228	173358	5.386	ug/ml	97
106) 3,3'-Dichlorobenzidine	10.570	252	62586	4.602	ug/ml#	97
107) Chrysene	10.606	228	171825	5.553	ug/ml	98
108) Bis(2-ethylhexyl)phtha...	10.747	149	102421	4.697	ug/ml#	91
109) Di-n-octylphthalate	11.734	149	149173	3.860	ug/ml	96
110) Benzo(b)fluoranthene	12.128	252	167465	4.739	ug/ml#	93
111) Benzo(k)fluoranthene	12.169	252	167190	5.018	ug/ml#	93
112) Benzo(a)pyrene	12.627	252	142964	4.540	ug/ml#	92
114) Indeno(1,2,3-cd)pyrene	14.401	276	150237	4.538	ug/mL#	88
115) Dibenzo(a,h)anthracene	14.466	278	157605	4.738	ug/ml#	90
116) Benzo(ghi)perylene	14.795	276	165451	4.765	ug/ml#	74

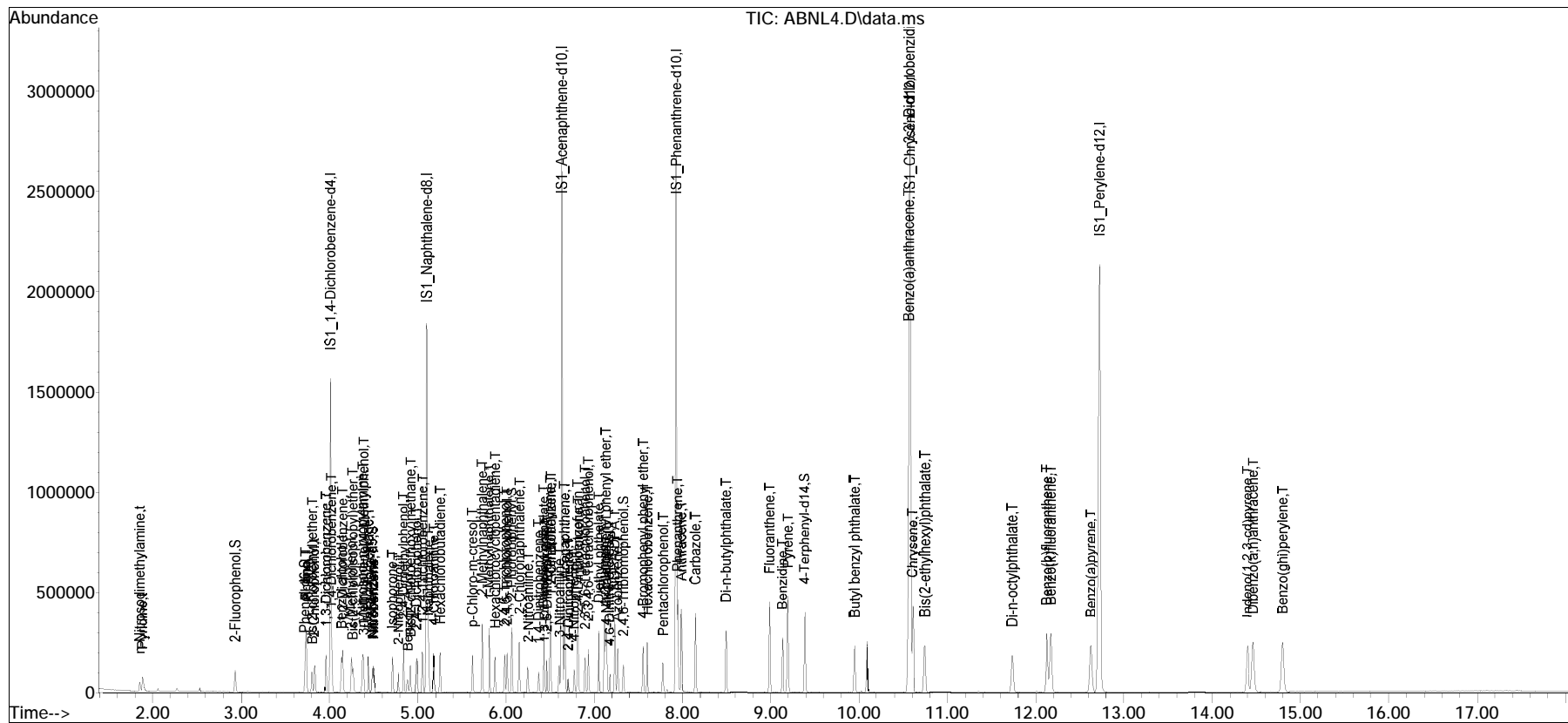
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Buffy\201120ical\  
 Data File : ABNL4.D  
 Acq On : 20 Nov 2020 7:50 pm  
 Operator : Buffy:als  
 Sample : IL7,32,,ABNL5 Lot# 8904  
 Misc : WG1439209,,  
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 24 13:33:52 2020  
 Quant Method : I:\8270\Buffy\201120ical\FS201120buffy.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Tue Nov 24 12:04:32 2020  
 Response via : Initial Calibration

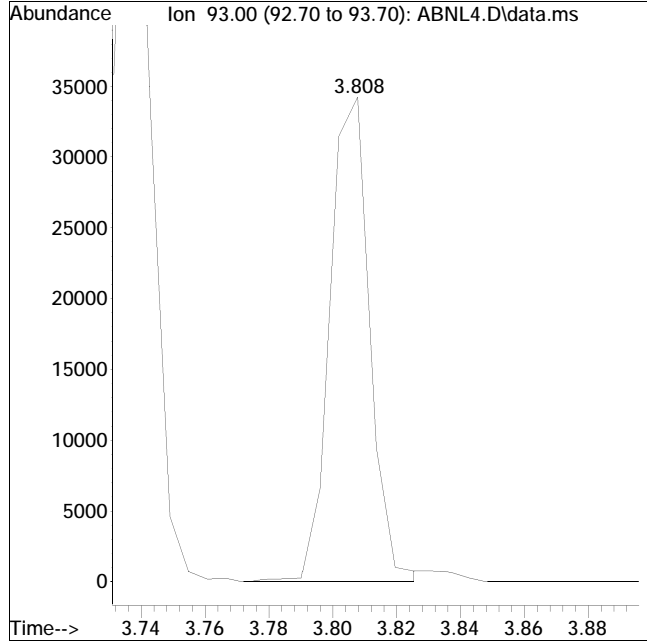
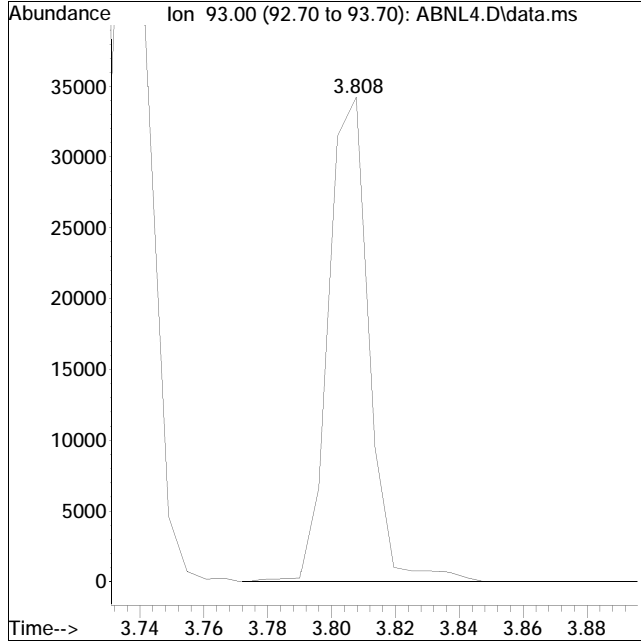
Sub List : ABNical - ABN ical sublistal\ABNL7.D•



Manual Integration Report

Data Path : I:\8270\Buffy\201120ical\ QMethod : FS201120buffy.m  
Data File : ABNL4.D Operator : Buffy:als  
Date Inj'd : 11/20/2020 7:50 pm Instrument : Buffy  
Sample : IL7,32,,ABNL5 Lot# 8904 Quant Date : 11/24/2020 12:24 pm

Compound #9: Bis(2-chloroethyl)ether



Original Peak Response = 30294

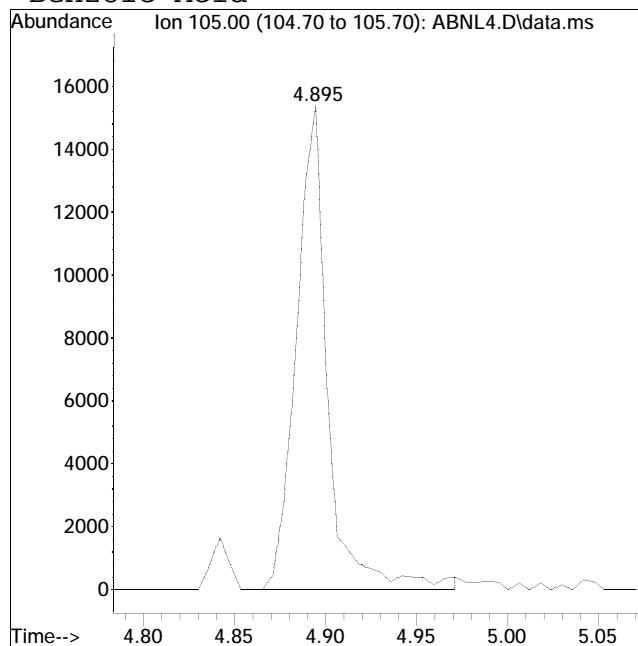
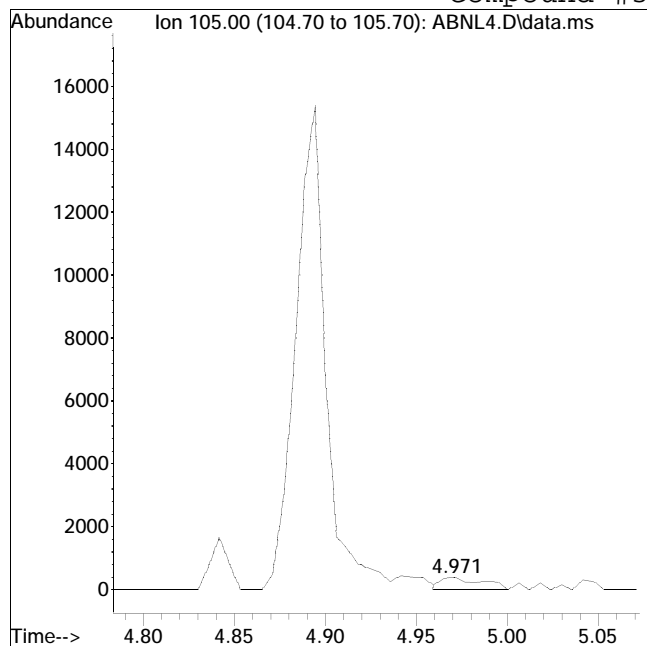
Manual Peak Response = 29705 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : I:\8270\Buffy\201120ical\ QMethod : FS201120buffy.m  
Data File : ABNL4.D Operator : Buffy:als  
Date Inj'd : 11/20/2020 7:50 pm Instrument : Buffy  
Sample : IL7,32,,ABNL5 Lot# 8904 Quant Date : 11/24/2020 12:24 pm

Compound #37: Benzoic Acid



Original Peak Response = 627

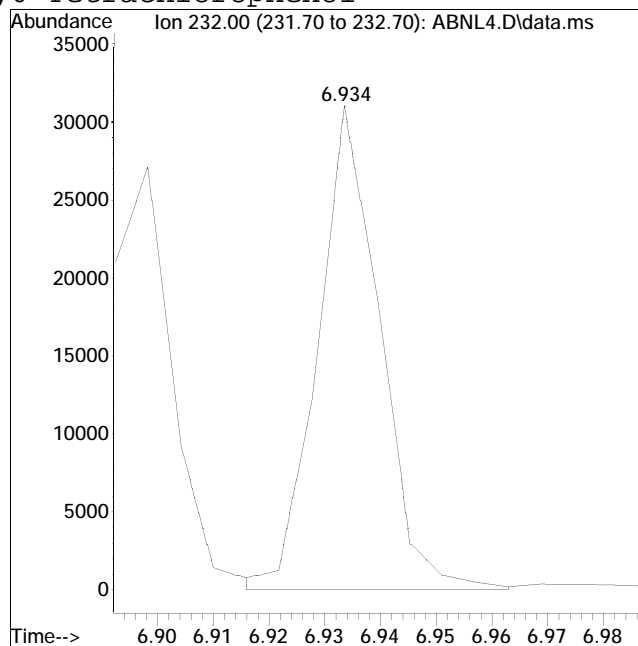
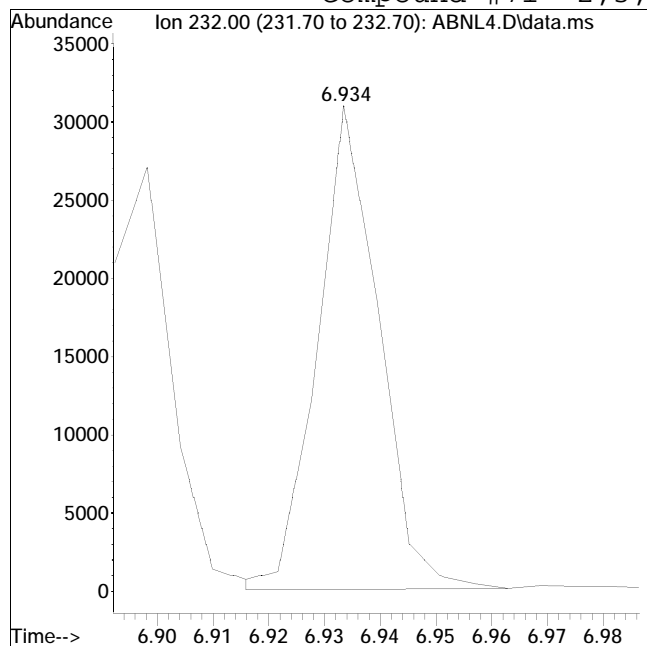
Manual Peak Response = 18555 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\Buffy\201120ical\ QMethod : FS201120buffy.m  
Data File : ABNL4.D Operator : Buffy:als  
Date Inj'd : 11/20/2020 7:50 pm Instrument : Buffy  
Sample : IL7,32,,ABNL5 Lot# 8904 Quant Date : 11/24/2020 12:24 pm

Compound #71: 2,3,4,6-Tetrachlorophenol



Original Peak Response = 23459

Manual Peak Response = 23857 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Buffy\201120ical\  
 Data File : ABNL3.D  
 Acq On : 20 Nov 2020 8:13 pm  
 Operator : Buffy:als  
 Sample : IL8,32,,ABNL3 Lot# 8903  
 Misc : WG1439209,,  
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 24 13:38:47 2020  
 Quant Method : I:\8270\Buffy\201120ical\FS201120buffy.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Tue Nov 24 12:04:32 2020  
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Buffy\201120ical\ABNL7.D  
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----						
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.013	152	217983	40.000	ug/ml	0.00
Standard Area 1 = 194251			Recovery =	112.22%		
35) IS1_Naphthalene-d8	5.106	136	814770	40.000	ug/ml	0.00
Standard Area 1 = 739255			Recovery =	110.22%		
63) IS1_Acenaphthene-d10	6.634	164	484456	40.000	ug/ml	0.00
Standard Area 1 = 428364			Recovery =	113.09%		
88) IS1_Phenanthrene-d10	7.932	188	1023416	40.000	ug/ml	0.00
Standard Area 1 = 890994			Recovery =	114.86%		
104) IS1_Chrysene-d12	10.576	240	1066192	40.000	ug/ml	0.00
Standard Area 1 = 1011965			Recovery =	105.36%		
113) IS1_Perylene-d12	12.727	264	1132650	40.000	ug/ml	0.00
Standard Area 1 = 1150413			Recovery =	98.46%		
System Monitoring Compounds						
4) 2-Fluorophenol	2.932	112	17593	2.887	ug/ml	0.00
Spiked Amount 50.000	Range 15 - 110		Recovery =	5.77%#		
7) Phenol-d6	3.725	99	21344	2.935	ug/ml	0.00
Spiked Amount 50.000	Range 15 - 110		Recovery =	5.87%#		
19) Nitrobenzene-d5	4.489	82	19191	2.931	ug/ml	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	11.72%#		
46) 2-Fluorobiphenyl	6.064	172	53838	3.341	ug/ml	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	13.36%#		
79) 2,4,6-Tribromophenol	7.327	330	8506	2.640	ug/ml	0.00
Spiked Amount 50.000	Range 15 - 110		Recovery =	5.28%#		
96) 4-Terphenyl-d14	9.384	244	78031	3.079	ug/ml	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	12.32%#		
Target Compounds						
						Qvalue
2) n-Nitrosodimethylamine	1.851	74	11321	3.120	ug/ml#	89
3) Pyridine	1.886	79	18951	2.844	ug/ml#	63
5) Aniline	3.737	93	28777	3.027	ug/ml	89
6) 2-Chlorophenol	3.837	128	20048	2.870	ug/ml	99
8) Phenol	3.737	94	24960	3.027	ug/ml	88
9) Bis(2-chloroethyl)ether	3.808	93	16996M6	3.113	ug/ml	
10) 1,3-Dichlorobenzene	3.966	146	25797	3.220	ug/ml	93
11) 1,4-Dichlorobenzene	4.025	146	25112	3.142	ug/ml	95
12) 1,2-Dichlorobenzene	4.154	146	25236	3.236	ug/ml#	91
13) Benzyl alcohol	4.143	79	14671	2.848	ug/ml	98
14) Bis(2-chloroisopropyl)...	4.266	45	27692	3.039	ug/ml#	83

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Buffy\201120ical\  
 Data File : ABNL3.D  
 Acq On : 20 Nov 2020 8:13 pm  
 Operator : Buffy:als  
 Sample : IL8,32,,ABNL3 Lot# 8903  
 Misc : WG1439209,,  
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 24 13:38:47 2020  
 Quant Method : I:\8270\Buffy\201120ical\FS201120buffy.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Tue Nov 24 12:04:32 2020  
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Buffy\201120ical\ABNL7.D  
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
15) 2-Methylphenol	4.254	108	17066	2.889	ug/ml	99
16) Hexachloroethane	4.442	117	9375	3.096	ug/ml#	46
17) n-Nitrosodi-n-propylamine	4.378	70	13695	3.166	ug/ml#	87
18) 3-Methylphenol/4-Methy...	4.389	108	18649	2.965	ug/ml	93
20) Nitrobenzene	4.507	77	19195	3.032	ug/ml	98
21) Isophorone	4.718	82	36325	3.064	ug/ml	100
22) 2-Nitrophenol	4.783	139	9462	2.639	ug/ml	93
23) 2,4-Dimethylphenol	4.842	107	18632	2.796	ug/ml	91
24) Bis(2-chloroethoxy)met...	4.924	93	23478	3.154	ug/ml#	95
25) 2,4-Dichlorophenol	4.995	162	17851	2.874	ug/ml#	92
26) 1,2,4-Trichlorobenzene	5.065	180	21903	3.188	ug/ml	98
36) Naphthalene	5.124	128	67360	3.352	ug/ml	99
37) Benzoic Acid	4.889	105	9381	1.817	ug/ml	91
38) 4-Chloroaniline	5.183	65	6993	3.034	ug/ml	93
39) Hexachlorobutadiene	5.253	225	13432	3.379	ug/ml	97
40) p-Chloro-m-cresol	5.623	107	17189	2.946	ug/ml	96
41) 2-Methylnaphthalene	5.729	142	47012	3.369	ug/ml	96
42) 1-Methylnaphthalene	5.811	115	14120	3.219	ug/ml#	65
43) Hexachlorocyclopentadiene	5.882	237	15181	2.880	ug/ml	97
44) 2,4,6-Trichlorophenol	5.988	196	12764	2.702	ug/ml	91
45) 2,4,5-Trichlorophenol	6.011	196	15562	3.008	ug/ml	99
47) 2-Chloronaphthalene	6.152	162	43959	3.239	ug/ml	96
48) 2-Nitroaniline	6.252	138	12458	2.596	ug/ml	92
49) 1,4-Dinitrobenzene	6.370	168	5464	2.628	ug/ml	87
50) 1,3-Dinitrobenzene	6.440	168	5611	2.378	ug/ml	99
51) Dimethyl phthalate	6.428	163	53430	3.234	ug/ml#	98
52) Acenaphthylene	6.505	152	76777	3.215	ug/ml	97
53) 2,6-Dinitrotoluene	6.469	165	10695	2.936	ug/ml#	85
54) 1,2-Dinitrobenzene	6.505	168	4203	2.922	ug/ml	99
64) 3-Nitroaniline	6.610	138	12519	2.849	ug/ml#	84
65) Acenaphthene	6.663	154	47491	3.435	ug/ml	97
66) 2,4-Dinitrophenol	6.704	184	4559	1.963	ug/ml#	86
67) Dibenzofuran	6.816	168	71101	3.307	ug/ml	91
68) 2,4-Dinitrotoluene	6.822	165	13021	2.521	ug/ml	89
69) 4-Nitrophenol	6.775	65	7830	2.628	ug/ml	96
70) 2,3,5,6-Tetrachlorophenol	6.898	232	12562	2.691	ug/ml	95
71) 2,3,4,6-Tetrachlorophenol	6.934	232	13162	2.822	ug/ml	99
72) Diethyl phthalate	7.051	149	57189	3.146	ug/ml	98
73) Fluorene	7.116	166	54450	3.181	ug/ml	95
74) 4-Chlorophenyl phenyl ...	7.133	204	27433	3.415	ug/ml	88



Quantitation Report (QT Reviewed)

Data Path : I:\8270\Buffy\201120ical\  
 Data File : ABNL3.D  
 Acq On : 20 Nov 2020 8:13 pm  
 Operator : Buffy:als  
 Sample : IL8,32,,ABNL3 Lot# 8903  
 Misc : WG1439209,,  
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 24 13:38:47 2020  
 Quant Method : I:\8270\Buffy\201120ical\FS201120buffy.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Tue Nov 24 12:04:32 2020  
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Buffy\201120ical\ABNL7.D  
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
75) 4-Nitroaniline	7.139	138	12429	2.702	ug/ml	98
76) 4,6-Dinitro-o-cresol	7.174	198	6687	2.296	ug/ml#	82
77) NDPA/DPA	7.233	169	46457	3.112	ug/ml	98
78) Azobenzene	7.263	77	45465	3.167	ug/ml#	88
80) 4-Bromophenyl phenyl e...	7.556	248	16297	3.204	ug/ml#	88
81) Hexachlorobenzene	7.603	284	20569	3.287	ug/ml#	84
82) Pentachlorophenol	7.780	266	8837	2.207	ug/ml	98
89) Phenanthrene	7.950	178	88349	3.305	ug/ml	98
90) Anthracene	7.991	178	84975	3.077	ug/ml	98
91) Carbazole	8.144	167	79630	3.038	ug/ml	99
92) Di-n-butylphthalate	8.491	149	90394	2.800	ug/ml#	96
93) Fluoranthene	8.990	202	98805	3.020	ug/ml#	87
94) Benzidine	9.137	184	54896	2.313	ug/ml#	91
95) Pyrene	9.196	202	107613	3.157	ug/ml	97
97) Butyl benzyl phthalate	9.948	149	35092	2.276	ug/ml#	76
105) Benzo(a)anthracene	10.559	228	101698	3.171	ug/ml	98
106) 3,3'-Dichlorobenzidine	10.571	252	33752	2.491	ug/ml	99
107) Chrysene	10.606	228	103750	3.365	ug/ml	97
108) Bis(2-ethylhexyl)phtha...	10.741	149	55320	2.546	ug/ml#	90
109) Di-n-octylphthalate	11.734	149	77723	2.019	ug/ml	98
110) Benzo(b)fluoranthene	12.128	252	98995	2.811	ug/ml#	92
111) Benzo(k)fluoranthene	12.169	252	93981	2.831	ug/ml#	92
112) Benzo(a)pyrene	12.621	252	81655	2.603	ug/ml#	91
114) Indeno(1,2,3-cd)pyrene	14.407	276	82847	2.537	ug/mL#	89
115) Dibenzo(a,h)anthracene	14.466	278	88569	2.700	ug/ml#	90
116) Benzo(ghi)perylene	14.795	276	94060	2.747	ug/ml#	74

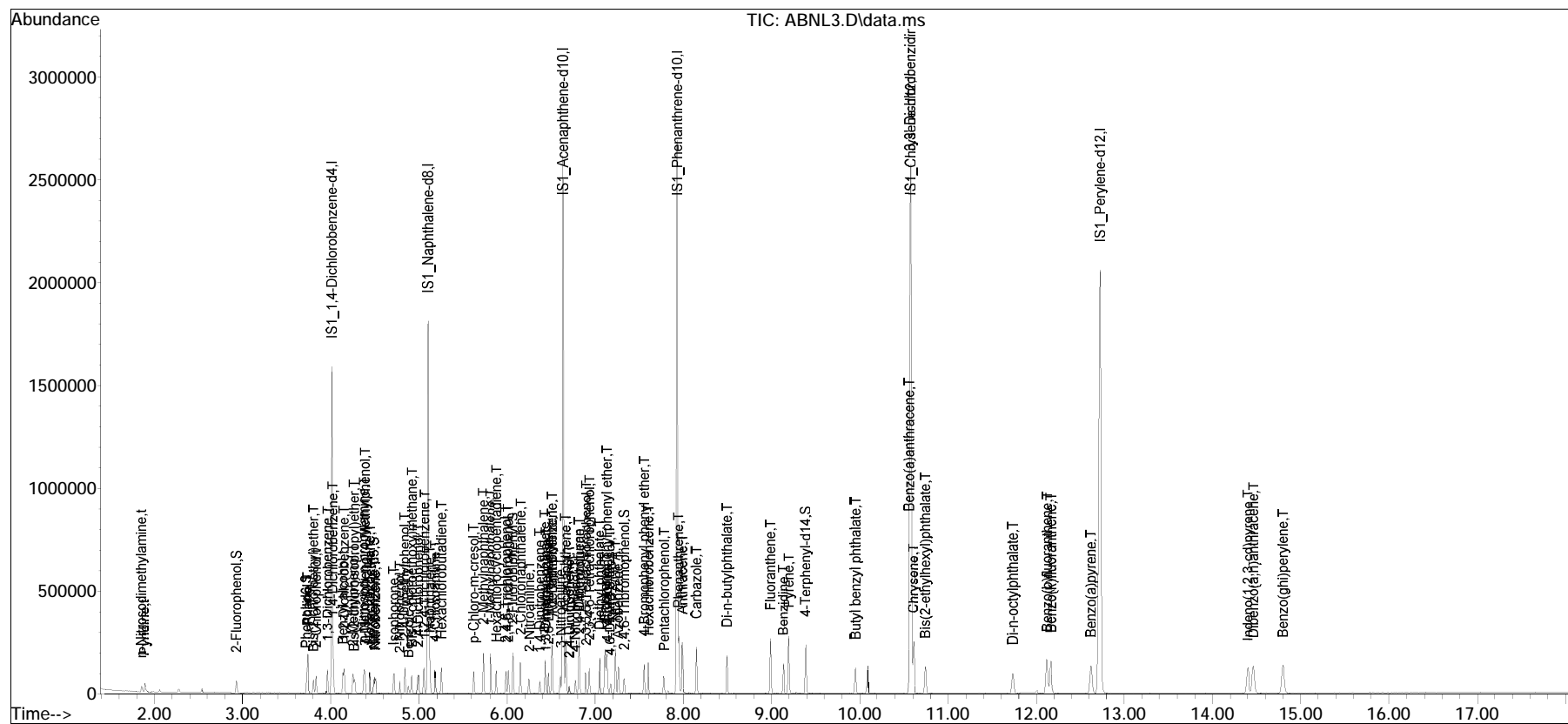
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Buffy\201120ical\  
 Data File : ABNL3.D  
 Acq On : 20 Nov 2020 8:13 pm  
 Operator : Buffy:als  
 Sample : IL8,32,,ABNL3 Lot# 8903  
 Misc : WG1439209,,  
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 24 13:38:47 2020  
 Quant Method : I:\8270\Buffy\201120ical\FS201120buffy.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Tue Nov 24 12:04:32 2020  
 Response via : Initial Calibration

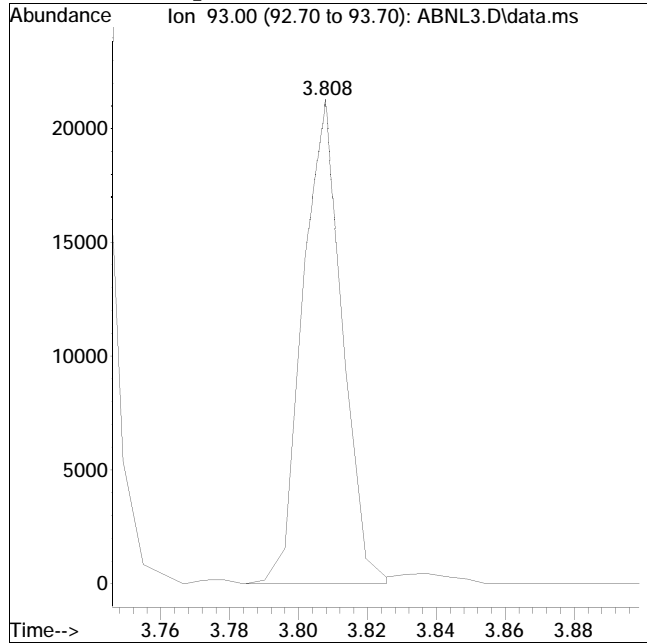
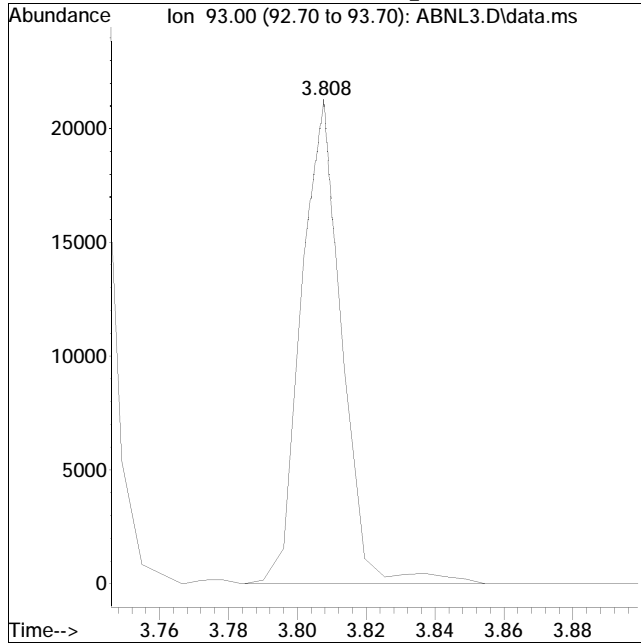
Sub List : ABNical - ABN ical sublistal\ABNL7.D•



Manual Integration Report

Data Path : I:\8270\Buffy\201120ical\ QMethod : FS201120buffy.m  
Data File : ABNL3.D Operator : Buffy:als  
Date Inj'd : 11/20/2020 8:13 pm Instrument : Buffy  
Sample : IL8,32,,ABNL3 Lot# 8903 Quant Date : 11/24/2020 12:24 pm

Compound #9: Bis(2-chloroethyl)ether



Original Peak Response = 17499

Manual Peak Response = 16996 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Buffy\201120ical\  
 Data File : ABNL2.D  
 Acq On : 20 Nov 2020 8:36 pm  
 Operator : Buffy:als  
 Sample : IL9,32,,ABNL2 Lot# 8902  
 Misc : WG1439209,,  
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 24 13:43:34 2020  
 Quant Method : I:\8270\Buffy\201120ical\FS201120buffy.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Tue Nov 24 12:04:32 2020  
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Buffy\201120ical\ABNL7.D  
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
<b>Internal Standards</b>						
1) IS1_1,4-Dichlorobenzen...	4.013	152	199505	40.000	ug/ml	0.00
Standard Area 1 = 194251			Recovery =	102.70%		
35) IS1_Naphthalene-d8	5.106	136	761718	40.000	ug/ml	0.00
Standard Area 1 = 739255			Recovery =	103.04%		
63) IS1_Acenaphthene-d10	6.634	164	445695	40.000	ug/ml	0.00
Standard Area 1 = 428364			Recovery =	104.05%		
88) IS1_Phenanthrene-d10	7.932	188	938921	40.000	ug/ml	0.00
Standard Area 1 = 890994			Recovery =	105.38%		
104) IS1_Chrysene-d12	10.576	240	1010846	40.000	ug/ml	0.00
Standard Area 1 = 1011965			Recovery =	99.89%		
113) IS1_Perylene-d12	12.727	264	1120645	40.000	ug/ml	0.00
Standard Area 1 = 1150413			Recovery =	97.41%		
<b>System Monitoring Compounds</b>						
4) 2-Fluorophenol	2.932	112	11617	2.083	ug/ml	0.00
Spiked Amount 50.000	Range 15 - 110		Recovery =	4.17%#		
7) Phenol-d6	3.725	99	14339	2.155	ug/ml	0.00
Spiked Amount 50.000	Range 15 - 110		Recovery =	4.31%#		
19) Nitrobenzene-d5	4.489	82	13889	2.317	ug/ml	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	9.27%#		
46) 2-Fluorobiphenyl	6.064	172	36917	2.451	ug/ml	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	9.80%#		
79) 2,4,6-Tribromophenol	7.327	330	5663	1.911	ug/ml	0.00
Spiked Amount 50.000	Range 15 - 110		Recovery =	3.82%#		
96) 4-Terphenyl-d14	9.384	244	52206	2.245	ug/ml	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	8.98%#		
<b>Target Compounds</b>						
						Qvalue
2) n-Nitrosodimethylamine	1.851	74	7134	2.148	ug/ml#	84
3) Pyridine	1.886	79	13356	2.190	ug/ml#	67
5) Aniline	3.737	93	20284	2.331	ug/ml	95
6) 2-Chlorophenol	3.837	128	13576	2.123	ug/ml	97
8) Phenol	3.737	94	16740	2.218	ug/ml	91
9) Bis(2-chloroethyl)ether	3.808	93	11942M6	2.390	ug/ml	
10) 1,3-Dichlorobenzene	3.966	146	17428	2.376	ug/ml	95
11) 1,4-Dichlorobenzene	4.031	146	16799	2.297	ug/ml	91
12) 1,2-Dichlorobenzene	4.154	146	17358	2.432	ug/ml#	92
13) Benzyl alcohol	4.143	79	9939	2.108	ug/ml	98
14) Bis(2-chloroisopropyl)...	4.266	45	19060	2.286	ug/ml#	80

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Buffy\201120ical\  
 Data File : ABNL2.D  
 Acq On : 20 Nov 2020 8:36 pm  
 Operator : Buffy:als  
 Sample : IL9,32,,ABNL2 Lot# 8902  
 Misc : WG1439209,,  
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 24 13:43:34 2020  
 Quant Method : I:\8270\Buffy\201120ical\FS201120buffy.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Tue Nov 24 12:04:32 2020  
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Buffy\201120ical\ABNL7.D  
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
15) 2-Methylphenol	4.254	108	11948	2.210	ug/ml	97
16) Hexachloroethane	4.442	117	6569	2.370	ug/ml#	55
17) n-Nitrosodi-n-propylamine	4.378	70	8648	2.184	ug/ml#	88
18) 3-Methylphenol/4-Methy...	4.389	108	12337	2.143	ug/ml	89
20) Nitrobenzene	4.507	77	13035	2.249	ug/ml	99
21) Isophorone	4.718	82	23628	2.177	ug/ml	98
22) 2-Nitrophenol	4.783	139	5997	1.828	ug/ml	99
23) 2,4-Dimethylphenol	4.842	107	12821	2.102	ug/ml	97
24) Bis(2-chloroethoxy)met...	4.924	93	16032	2.353	ug/ml#	95
25) 2,4-Dichlorophenol	4.995	162	12036	2.117	ug/ml#	92
26) 1,2,4-Trichlorobenzene	5.065	180	14125	2.246	ug/ml	93
36) Naphthalene	5.124	128	46237	2.461	ug/ml	100
37) Benzoic Acid	4.889	105	6037M1	1.251	ug/ml	
38) 4-Chloroaniline	5.183	65	4660	2.163	ug/ml	88
39) Hexachlorobutadiene	5.253	225	8976	2.415	ug/ml	98
40) p-Chloro-m-cresol	5.623	107	11211	2.055	ug/ml	94
41) 2-Methylnaphthalene	5.729	142	30911	2.370	ug/ml	94
42) 1-Methylnaphthalene	5.811	115	9661	2.356	ug/ml#	71
43) Hexachlorocyclopentadiene	5.882	237	10461	2.123	ug/ml	97
44) 2,4,6-Trichlorophenol	5.987	196	8468	1.917	ug/ml	99
45) 2,4,5-Trichlorophenol	6.011	196	9819	2.030	ug/ml	99
47) 2-Chloronaphthalene	6.152	162	30046	2.368	ug/ml	96
48) 2-Nitroaniline	6.252	138	8726	1.945	ug/ml	89
49) 1,4-Dinitrobenzene	6.369	168	3587	1.845	ug/ml	87
50) 1,3-Dinitrobenzene	6.440	168	3841	1.741	ug/ml	93
51) Dimethyl phthalate	6.428	163	36854	2.386	ug/ml#	97
52) Acenaphthylene	6.510	152	52157	2.337	ug/ml	97
53) 2,6-Dinitrotoluene	6.469	165	6497	1.908	ug/ml	92
54) 1,2-Dinitrobenzene	6.510	168	2588	1.925	ug/ml	98
64) 3-Nitroaniline	6.610	138	7780	1.924	ug/ml#	87
65) Acenaphthene	6.663	154	31459	2.473	ug/ml	97
66) 2,4-Dinitrophenol	6.704	184	2785	1.304	ug/ml	89
67) Dibenzofuran	6.816	168	46942	2.373	ug/ml	89
68) 2,4-Dinitrotoluene	6.822	165	9309	1.959	ug/ml	87
69) 4-Nitrophenol	6.775	65	5003	1.825	ug/ml	97
70) 2,3,5,6-Tetrachlorophenol	6.898	232	8581	1.998	ug/ml	97
71) 2,3,4,6-Tetrachlorophenol	6.933	232	9187	2.141	ug/ml	95
72) Diethyl phthalate	7.051	149	39123	2.339	ug/ml	99
73) Fluorene	7.116	166	36435	2.313	ug/ml	93
74) 4-Chlorophenyl phenyl ...	7.133	204	17212	2.329	ug/ml	92

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Buffy\201120ical\  
 Data File : ABNL2.D  
 Acq On : 20 Nov 2020 8:36 pm  
 Operator : Buffy:als  
 Sample : IL9,32,,ABNL2 Lot# 8902  
 Misc : WG1439209,,  
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 24 13:43:34 2020  
 Quant Method : I:\8270\Buffy\201120ical\FS201120buffy.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Tue Nov 24 12:04:32 2020  
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Buffy\201120ical\ABNL7.D  
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
75) 4-Nitroaniline	7.139	138	8341	1.971	ug/ml	97
76) 4,6-Dinitro-o-cresol	7.174	198	3874	1.446	ug/ml#	86
77) NDPA/DPA	7.233	169	31535	2.296	ug/ml	98
78) Azobenzene	7.268	77	30039	2.275	ug/ml#	87
80) 4-Bromophenyl phenyl e...	7.556	248	11136	2.380	ug/ml	91
81) Hexachlorobenzene	7.603	284	13607	2.364	ug/ml#	85
82) Pentachlorophenol	7.780	266	5725	1.554	ug/ml	99
89) Phenanthrene	7.950	178	62543	2.550	ug/ml	97
90) Anthracene	7.991	178	59308	2.341	ug/ml	98
91) Carbazole	8.144	167	52284	2.174	ug/ml	97
92) Di-n-butylphthalate	8.490	149	60602	2.046	ug/ml#	96
93) Fluoranthene	8.990	202	68183	2.271	ug/ml#	87
94) Benzidine	9.137	184	35008	1.608	ug/ml#	89
95) Pyrene	9.196	202	70810	2.264	ug/ml	99
97) Butyl benzyl phthalate	9.948	149	23212	1.641	ug/ml#	79
105) Benzo(a)anthracene	10.565	228	69014	2.270	ug/ml	98
106) 3,3'-Dichlorobenzidine	10.570	252	22416	1.745	ug/ml	100
107) Chrysene	10.606	228	74183	2.538	ug/ml	98
108) Bis(2-ethylhexyl)phtha...	10.747	149	35417	1.719	ug/ml#	89
109) Di-n-octylphthalate	11.740	149	50460	1.382	ug/ml#	97
110) Benzo(b)fluoranthene	12.127	252	67095	2.010	ug/ml#	93
111) Benzo(k)fluoranthene	12.169	252	69253	2.200	ug/ml#	92
112) Benzo(a)pyrene	12.627	252	57748	1.941	ug/ml#	92
114) Indeno(1,2,3-cd)pyrene	14.407	276	58601	1.814	ug/mL#	88
115) Dibenzo(a,h)anthracene	14.466	278	63733M4	1.963	ug/ml	
116) Benzo(ghi)perylene	14.795	276	66259	1.956	ug/ml#	74

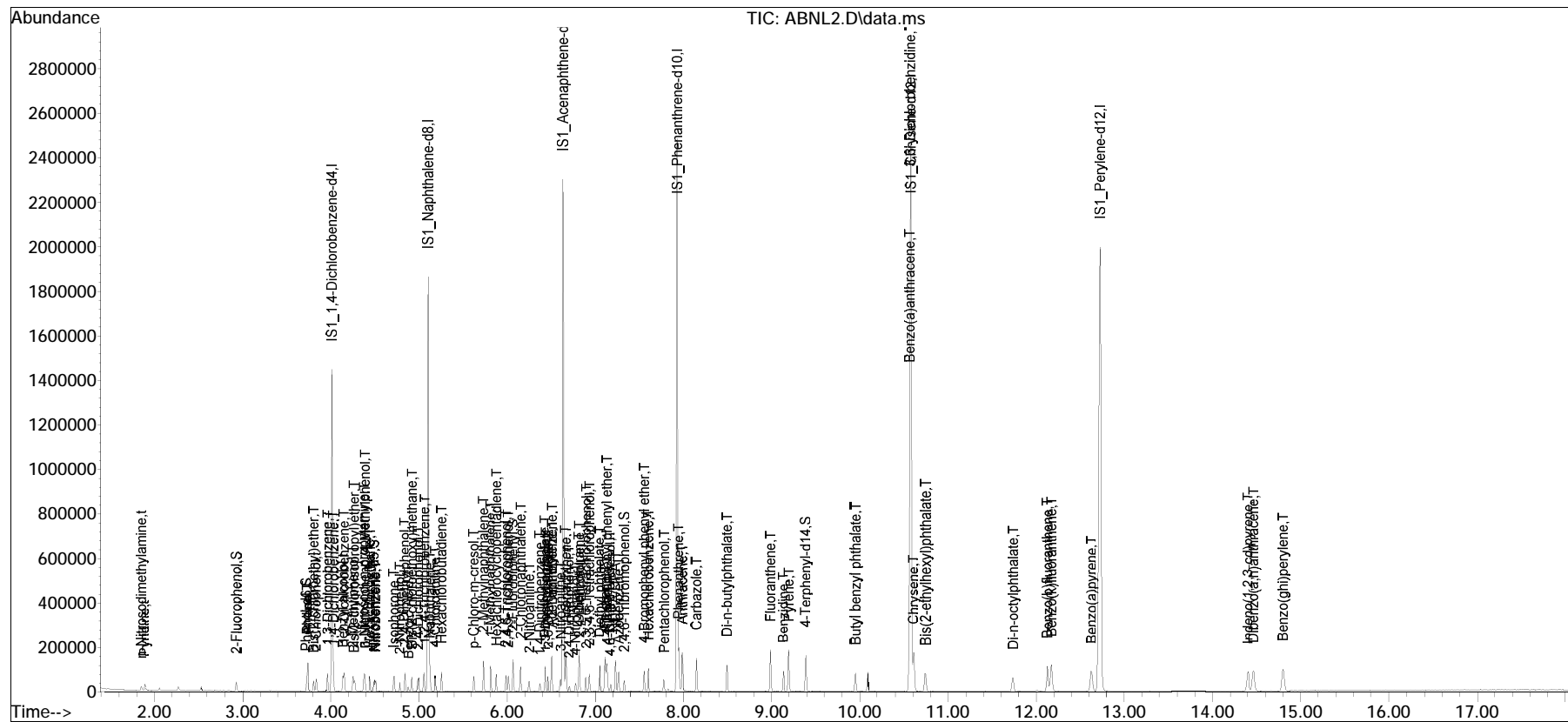
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Buffy\201120ical\  
 Data File : ABNL2.D  
 Acq On : 20 Nov 2020 8:36 pm  
 Operator : Buffy:als  
 Sample : IL9,32,,ABNL2 Lot# 8902  
 Misc : WG1439209,,  
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 24 13:43:34 2020  
 Quant Method : I:\8270\Buffy\201120ical\FS201120buffy.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Tue Nov 24 12:04:32 2020  
 Response via : Initial Calibration

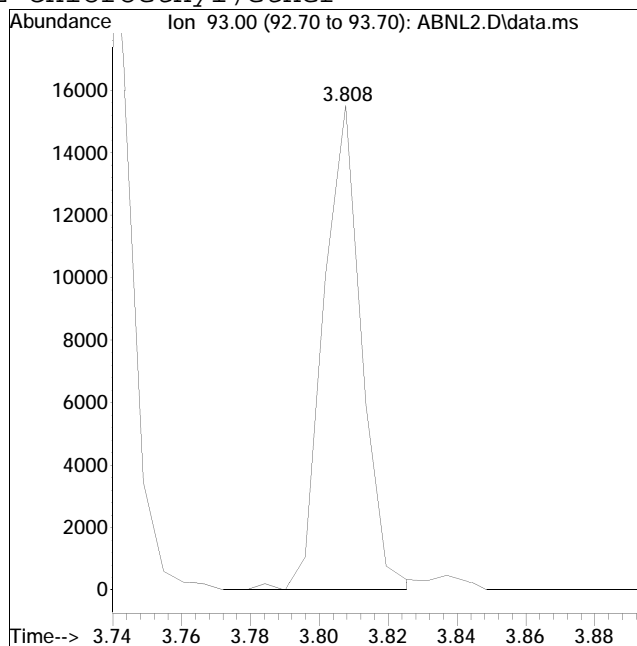
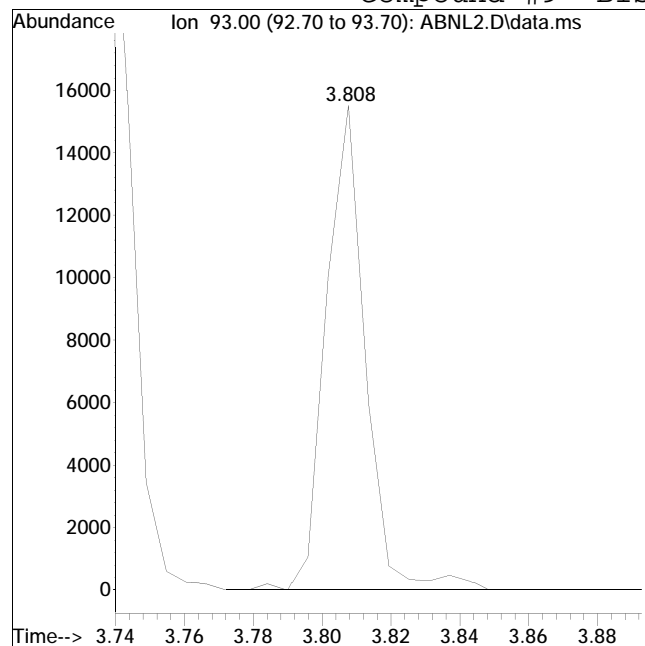
Sub List : ABNical - ABN ical sublistal\ABNL7.D•



# Manual Integration Report

Data Path : I:\8270\Buffy\201120ical\ QMethod : FS201120buffy.m  
Data File : ABNL2.D Operator : Buffy:als  
Date Inj'd : 11/20/2020 8:36 pm Instrument : Buffy  
Sample : IL9,32,,ABNL2 Lot# 8902 Quant Date : 11/24/2020 12:24 pm

## Compound #9: Bis(2-chloroethyl)ether



Original Peak Response = 12320

Manual Peak Response = 11942 M6

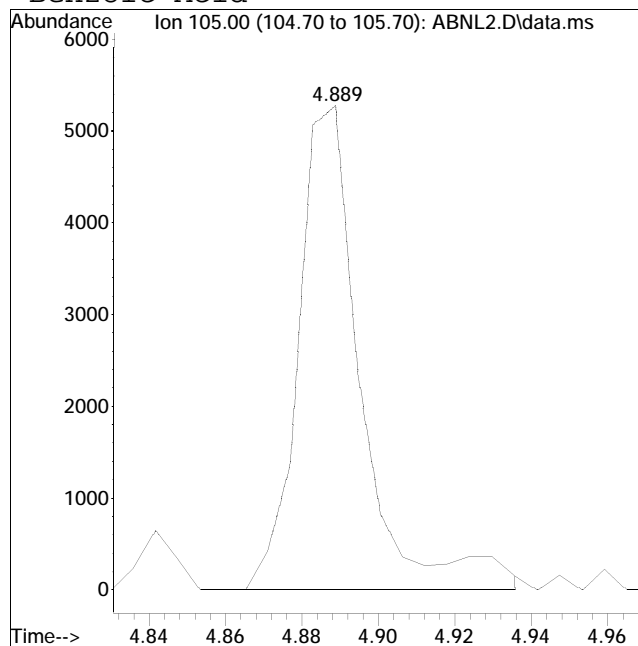
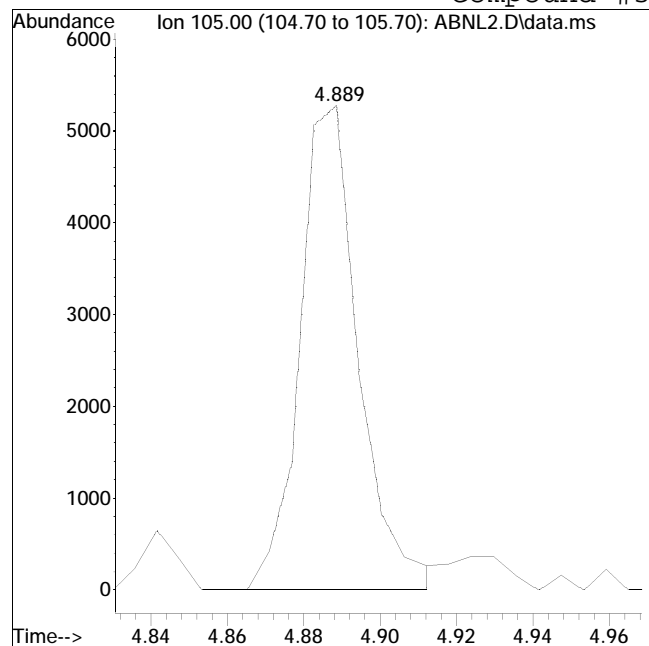
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).



Manual Integration Report

Data Path : I:\8270\Buffy\201120ical\ QMethod : FS201120buffy.m  
Data File : ABNL2.D Operator : Buffy:als  
Date Inj'd : 11/20/2020 8:36 pm Instrument : Buffy  
Sample : IL9,32,,ABNL2 Lot# 8902 Quant Date : 11/24/2020 12:24 pm

Compound #37: Benzoic Acid



Original Peak Response = 5624

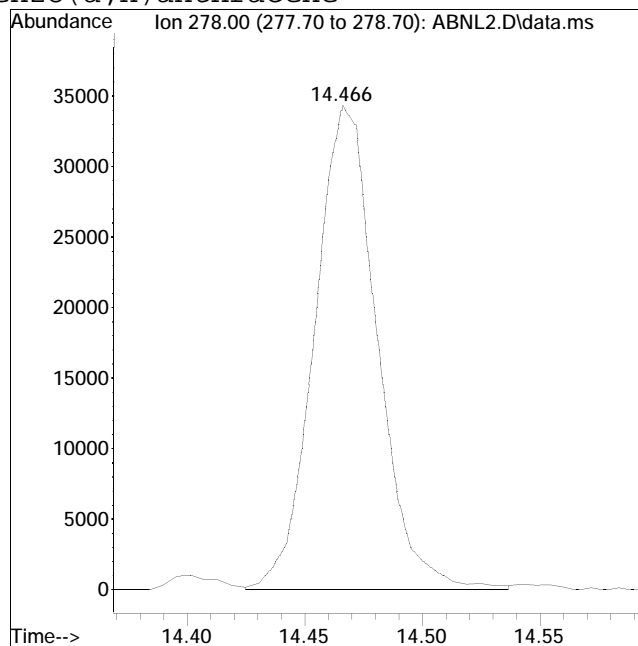
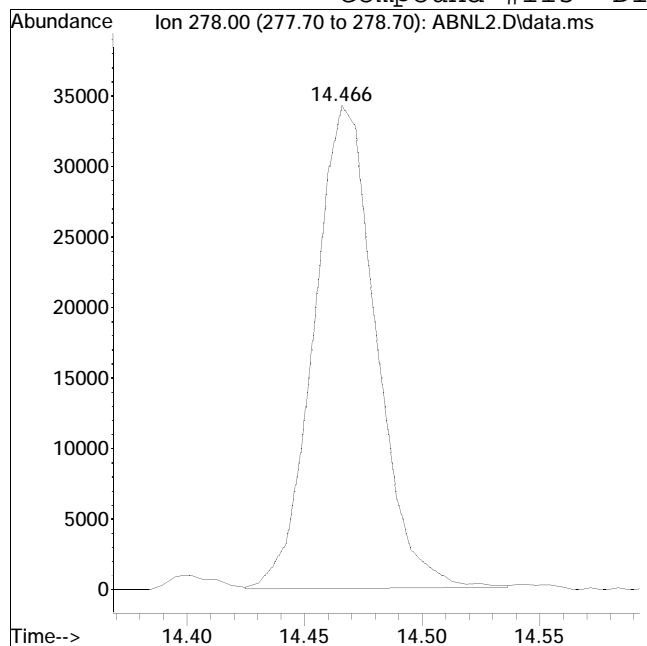
Manual Peak Response = 6037 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\8270\Buffy\201120ical\ QMethod : FS201120buffy.m  
Data File : ABNL2.D Operator : Buffy:als  
Date Inj'd : 11/20/2020 8:36 pm Instrument : Buffy  
Sample : IL9,32,,ABNL2 Lot# 8902 Quant Date : 11/24/2020 12:24 pm

Compound #115: Dibenzo(a,h)anthracene



Original Peak Response = 62762

Manual Peak Response = 63733 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Buffy\201120ical\  
 Data File : ABNL1.D  
 Acq On : 20 Nov 2020 8:59 pm  
 Operator : Buffy:als  
 Sample : IL10,32,,ABNL1 Lot# 8901  
 Misc : WG1439209,,  
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 24 13:51:21 2020  
 Quant Method : I:\8270\Buffy\201120ical\FS201120buffy.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Tue Nov 24 12:04:32 2020  
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Buffy\201120ical\ABNL7.D  
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----						
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.013	152	198811	40.000	ug/ml	0.00
Standard Area 1 = 194251			Recovery =	102.35%		
35) IS1_Naphthalene-d8	5.106	136	763643	40.000	ug/ml	0.00
Standard Area 1 = 739255			Recovery =	103.30%		
63) IS1_Acenaphthene-d10	6.634	164	449100	40.000	ug/ml	0.00
Standard Area 1 = 428364			Recovery =	104.84%		
88) IS1_Phenanthrene-d10	7.932	188	933420	40.000	ug/ml	0.00
Standard Area 1 = 890994			Recovery =	104.76%		
104) IS1_Chrysene-d12	10.576	240	992291	40.000	ug/ml	0.00
Standard Area 1 = 1011965			Recovery =	98.06%		
113) IS1_Perylene-d12	12.727	264	1077710	40.000	ug/ml	0.00
Standard Area 1 = 1150413			Recovery =	93.68%		
System Monitoring Compounds						
4) 2-Fluorophenol	2.932	112	6994	1.259	ug/ml	0.00
Spiked Amount 50.000	Range 15 - 110		Recovery =	2.52%#		
7) Phenol-d6	3.726	99	7702	1.161	ug/ml	0.00
Spiked Amount 50.000	Range 15 - 110		Recovery =	2.32%#		
19) Nitrobenzene-d5	4.489	82	7409	1.240	ug/ml	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	4.96%#		
46) 2-Fluorobiphenyl	6.064	172	21595	1.430	ug/ml	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	5.72%#		
79) 2,4,6-Tribromophenol	7.327	330	3319	1.111	ug/ml	0.00
Spiked Amount 50.000	Range 15 - 110		Recovery =	2.22%#		
96) 4-Terphenyl-d14	9.384	244	30190	1.306	ug/ml	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	5.22%#		
Target Compounds						
						Qvalue
2) n-Nitrosodimethylamine	1.851	74	4507	1.362	ug/ml#	78
3) Pyridine	1.898	79	8682	1.429	ug/ml#	77
5) Aniline	3.737	93	10898	1.257	ug/ml	91
6) 2-Chlorophenol	3.837	128	7558	1.186	ug/ml	94
8) Phenol	3.737	94	9071	1.206	ug/ml	87
9) Bis(2-chloroethyl)ether	3.808	93	6284M6	1.262	ug/ml	
10) 1,3-Dichlorobenzene	3.966	146	9600	1.314	ug/ml	96
11) 1,4-Dichlorobenzene	4.031	146	10164	1.394	ug/ml#	88
12) 1,2-Dichlorobenzene	4.160	146	9678	1.361	ug/ml	93
13) Benzyl alcohol	4.143	79	5191	1.105	ug/ml	92
14) Bis(2-chloroisopropyl)...	4.266	45	11152	1.342	ug/ml#	80

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Buffy\201120ical\  
 Data File : ABNL1.D  
 Acq On : 20 Nov 2020 8:59 pm  
 Operator : Buffy:als  
 Sample : IL10,32,,ABNL1 Lot# 8901  
 Misc : WG1439209,,  
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 24 13:51:21 2020  
 Quant Method : I:\8270\Buffy\201120ical\FS201120buffy.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Tue Nov 24 12:04:32 2020  
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Buffy\201120ical\ABNL7.D  
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
15) 2-Methylphenol	4.254	108	6448	1.197	ug/ml	94
16) Hexachloroethane	4.442	117	3908	1.415	ug/ml#	61
17) n-Nitrosodi-n-propylamine	4.378	70	5373	1.362	ug/ml#	82
18) 3-Methylphenol/4-Methy...	4.390	108	6467	1.127	ug/ml	92
20) Nitrobenzene	4.507	77	7070	1.224	ug/ml	92
21) Isophorone	4.719	82	13145	1.216	ug/ml	96
22) 2-Nitrophenol	4.783	139	3527	1.079	ug/ml	92
23) 2,4-Dimethylphenol	4.842	107	7176	1.181	ug/ml	98
24) Bis(2-chloroethoxy)met...	4.924	93	9281	1.367	ug/ml#	94
25) 2,4-Dichlorophenol	4.995	162	6171	1.089	ug/ml	97
26) 1,2,4-Trichlorobenzene	5.065	180	8453	1.349	ug/ml	98
36) Naphthalene	5.118	128	26012	1.381	ug/ml	98
37) Benzoic Acid	4.883	105	2294	0.474	ug/ml	87
38) 4-Chloroaniline	5.183	65	2626	1.216	ug/ml	92
39) Hexachlorobutadiene	5.253	225	5160	1.385	ug/ml	97
40) p-Chloro-m-cresol	5.623	107	6011	1.099	ug/ml	94
41) 2-Methylnaphthalene	5.729	142	17366	1.328	ug/ml	89
42) 1-Methylnaphthalene	5.811	115	5429	1.321	ug/ml#	63
43) Hexachlorocyclopentadiene	5.882	237	6232	1.261	ug/ml	94
44) 2,4,6-Trichlorophenol	5.988	196	4869	1.100	ug/ml	94
45) 2,4,5-Trichlorophenol	6.011	196	5643	1.164	ug/ml	95
47) 2-Chloronaphthalene	6.152	162	16839	1.324	ug/ml	99
48) 2-Nitroaniline	6.252	138	4666	1.037	ug/ml	95
49) 1,4-Dinitrobenzene	6.370	168	1908	0.979	ug/ml	88
50) 1,3-Dinitrobenzene	6.440	168	2247	1.016	ug/ml	90
51) Dimethyl phthalate	6.428	163	21820	1.409	ug/ml#	96
52) Acenaphthylene	6.511	152	29246	1.307	ug/ml	98
53) 2,6-Dinitrotoluene	6.469	165	3644	1.067	ug/ml#	89
54) 1,2-Dinitrobenzene	6.511	168	1523	1.130	ug/ml	89
64) 3-Nitroaniline	6.610	138	4384	1.076	ug/ml#	84
65) Acenaphthene	6.663	154	17391	1.357	ug/ml	87
66) 2,4-Dinitrophenol	6.704	184	1294	0.601	ug/ml#	60
67) Dibenzofuran	6.816	168	27523	1.381	ug/ml	91
68) 2,4-Dinitrotoluene	6.822	165	5038	1.052	ug/ml	87
69) 4-Nitrophenol	6.775	65	2581	0.934	ug/ml	97
70) 2,3,5,6-Tetrachlorophenol	6.898	232	4437	1.025	ug/ml	98
71) 2,3,4,6-Tetrachlorophenol	6.934	232	4965	1.148	ug/ml	94
72) Diethyl phthalate	7.051	149	22424	1.330	ug/ml	98
73) Fluorene	7.116	166	20598	1.298	ug/ml	89
74) 4-Chlorophenyl phenyl ...	7.133	204	10679	1.434	ug/ml	89

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Buffy\201120ical\  
 Data File : ABNL1.D  
 Acq On : 20 Nov 2020 8:59 pm  
 Operator : Buffy:als  
 Sample : IL10,32,,ABNL1 Lot# 8901  
 Misc : WG1439209,,  
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 24 13:51:21 2020  
 Quant Method : I:\8270\Buffy\201120ical\FS201120buffy.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Tue Nov 24 12:04:32 2020  
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Buffy\201120ical\ABNL7.D  
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
75) 4-Nitroaniline	7.139	138	4542	1.065	ug/ml	94
76) 4,6-Dinitro-o-cresol	7.175	198	2044	0.757	ug/ml#	72
77) NDPA/DPA	7.233	169	17317	1.251	ug/ml	98
78) Azobenzene	7.263	77	17686M4	1.329	ug/ml	
80) 4-Bromophenyl phenyl e...	7.556	248	6755	1.432	ug/ml#	90
81) Hexachlorobenzene	7.603	284	7986	1.377	ug/ml#	86
82) Pentachlorophenol	7.780	266	3181	0.857	ug/ml	96
89) Phenanthrene	7.950	178	36989	1.517	ug/ml	95
90) Anthracene	7.991	178	34811M4	1.382	ug/ml	
91) Carbazole	8.144	167	29955	1.253	ug/ml	99
92) Di-n-butylphthalate	8.497	149	35070	1.191	ug/ml#	97
93) Fluoranthene	8.990	202	39625	1.328	ug/ml#	87
94) Benzidine	9.137	184	18069	0.835	ug/ml#	91
95) Pyrene	9.196	202	42922	1.380	ug/ml	96
97) Butyl benzyl phthalate	9.948	149	12241	0.870	ug/ml#	82
105) Benzo(a)anthracene	10.565	228	43101	1.444	ug/ml	95
106) 3,3'-Dichlorobenzidine	10.571	252	12030	0.954	ug/ml#	96
107) Chrysene	10.606	228	43667	1.522	ug/ml	96
108) Bis(2-ethylhexyl)phtha...	10.741	149	19498	0.964	ug/ml#	91
109) Di-n-octylphthalate	11.734	149	25912	0.723	ug/ml#	99
110) Benzo(b)fluoranthene	12.128	252	37920	1.157	ug/ml#	93
111) Benzo(k)fluoranthene	12.169	252	36811	1.191	ug/ml#	94
112) Benzo(a)pyrene	12.627	252	30163	1.033	ug/ml#	94
114) Indeno(1,2,3-cd)pyrene	14.402	276	30310	0.976	ug/mL#	91
115) Dibenzo(a,h)anthracene	14.466	278	32740	1.049	ug/ml#	89
116) Benzo(ghi)perylene	14.795	276	35825	1.099	ug/ml#	74

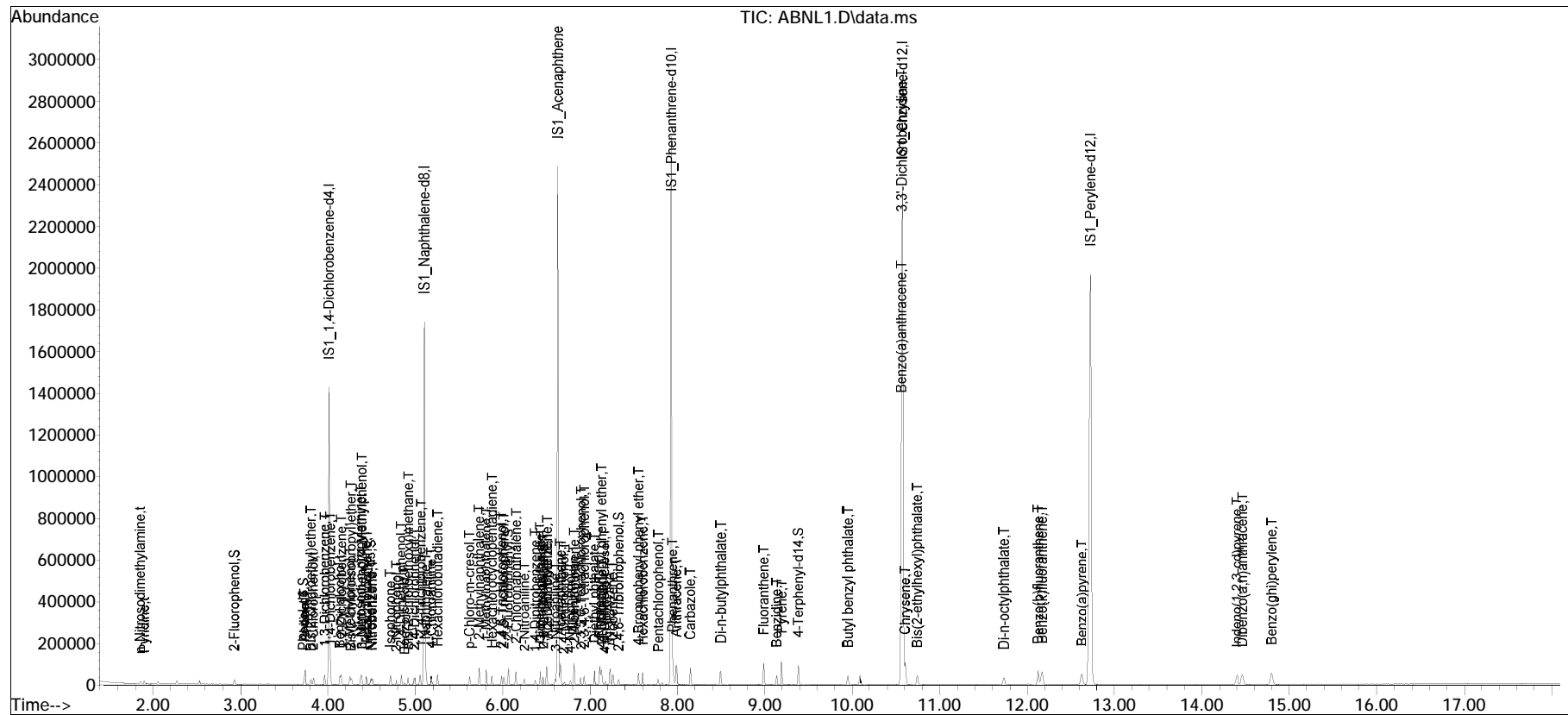
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Buffy\201120ical\  
Data File : ABNL1.D  
Acq On : 20 Nov 2020 8:59 pm  
Operator : Buffy:als  
Sample : IL10,32,,ABNL1 Lot# 8901  
Misc : WG1439209,,  
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 24 13:51:21 2020  
Quant Method : I:\8270\Buffy\201120ical\FS201120buffy.m  
Quant Title : Semivolatiles by GC/MS by modified 8270  
QLast Update : Tue Nov 24 12:04:32 2020  
Response via : Initial Calibration

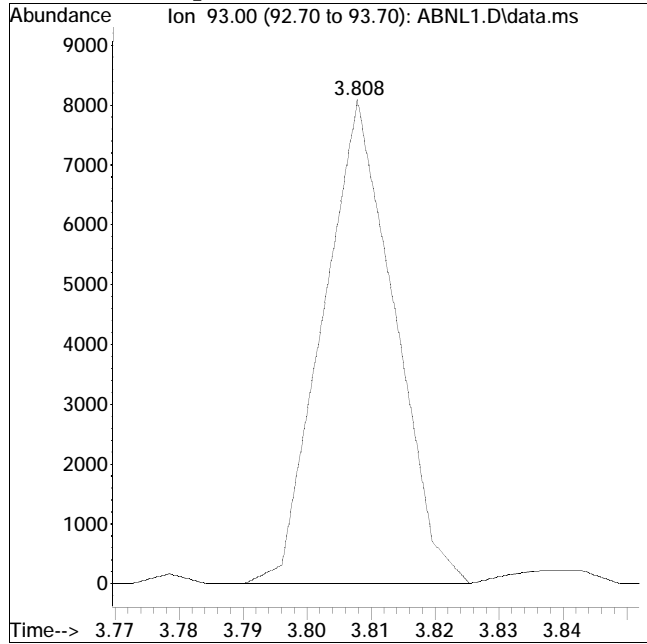
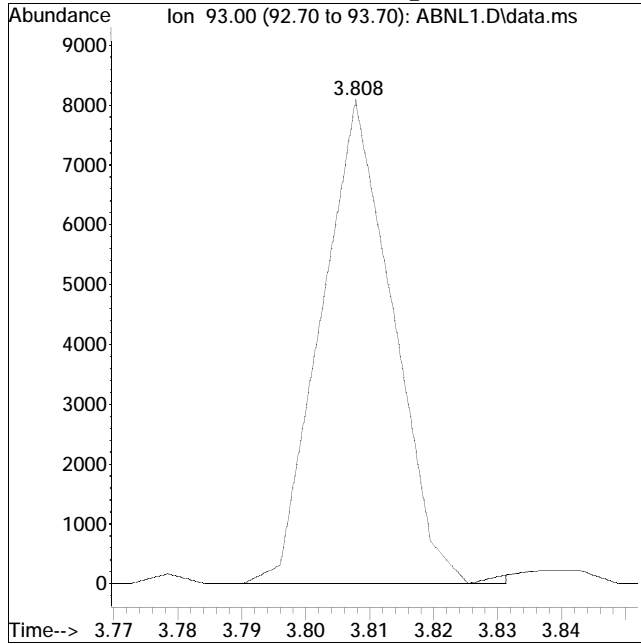
Sub List : ABNical - ABN ical sublistal\ABNL7.D•



Manual Integration Report

Data Path : I:\8270\Buffy\201120ical\ QMethod : FS201120buffy.m  
Data File : ABNL1.D Operator : Buffy:als  
Date Inj'd : 11/20/2020 8:59 pm Instrument : Buffy  
Sample : IL10,32,,ABNL1 Lot# 8901 Quant Date : 11/24/2020 12:23 pm

Compound #9: Bis(2-chloroethyl)ether



Original Peak Response = 6339

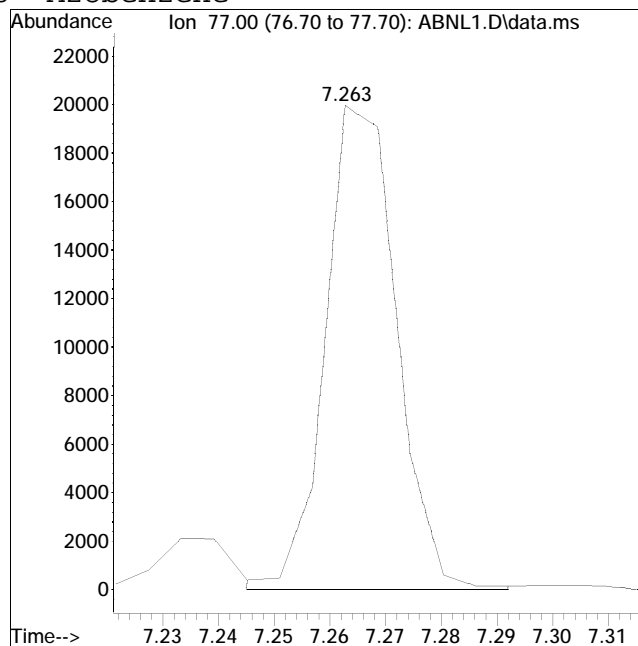
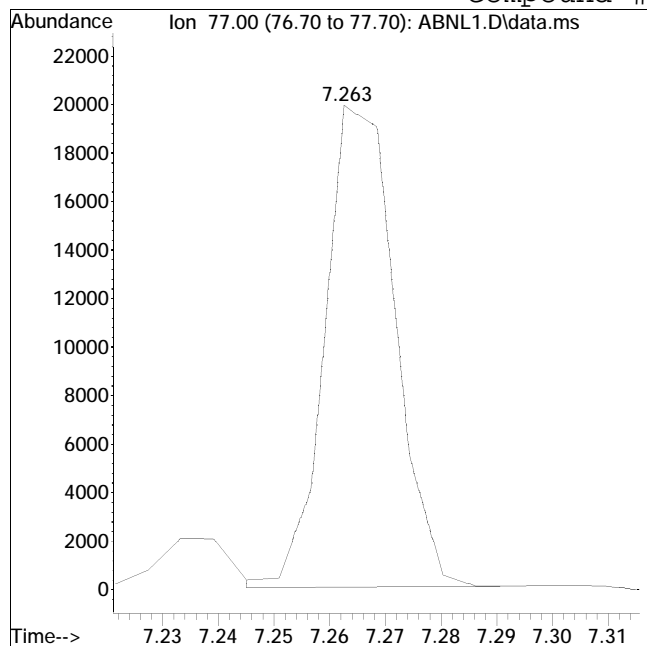
Manual Peak Response = 6284 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : I:\8270\Buffy\201120ical\ QMethod : FS201120buffy.m  
Data File : ABNL1.D Operator : Buffy:als  
Date Inj'd : 11/20/2020 8:59 pm Instrument : Buffy  
Sample : IL10,32,,ABNL1 Lot# 8901 Quant Date : 11/24/2020 12:23 pm

Compound #78: Azobenzene



Original Peak Response = 17335

Manual Peak Response = 17686 M4

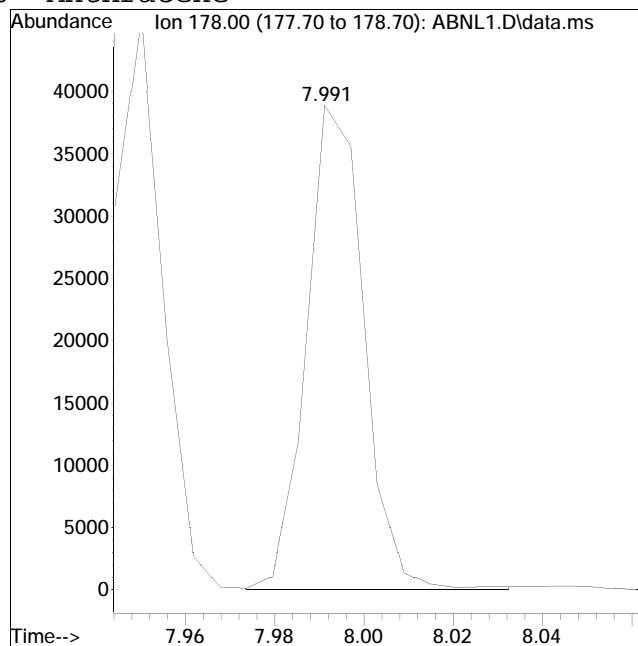
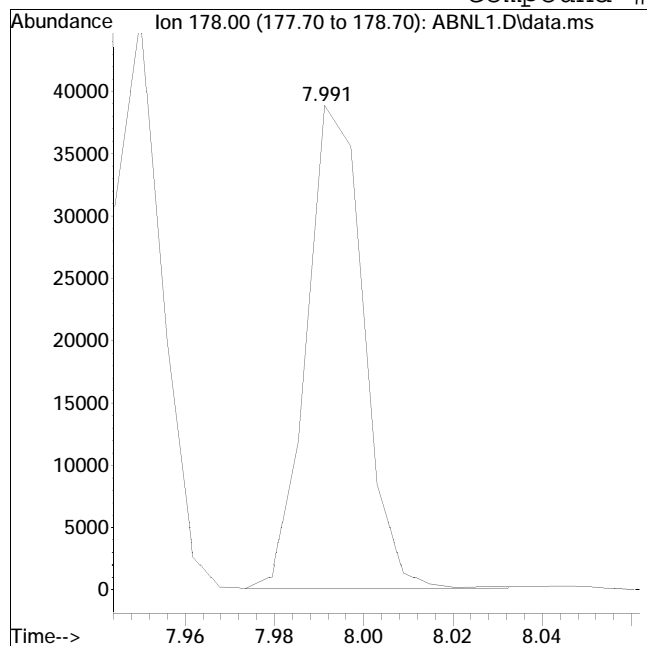
M4 = Poor automated baseline construction.



Manual Integration Report

Data Path : I:\8270\Buffy\201120ical\ QMethod : FS201120buffy.m  
Data File : ABNL1.D Operator : Buffy:als  
Date Inj'd : 11/20/2020 8:59 pm Instrument : Buffy  
Sample : IL10,32,,ABNL1 Lot# 8901 Quant Date : 11/24/2020 12:23 pm

Compound #90: Anthracene



Original Peak Response = 34194

Manual Peak Response = 34811 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Buffy\201120ical\  
 Data File : AP9L10.D  
 Acq On : 20 Nov 2020 9:21 pm  
 Operator : Buffy:als  
 Sample : IL11,32,,AP9L200 Lot# 8946  
 Misc : WG1439209,,  
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 24 16:17:21 2020  
 Quant Method : I:\8270\Buffy\201120ical\FS201120buffy.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Tue Nov 24 12:04:32 2020  
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Buffy\201120ical\AP9L7.D  
 Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----						
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	4.014	152	213224	40.000	ug/ml	0.00
Standard Area 1 = 225293			Recovery	=	94.64%	
55) IS2_Naphthalene-d8	5.101	136	844841	40.000	ug/ml	0.00
Standard Area 1 = 855563			Recovery	=	98.75%	
83) IS2_Acenaphthene-d10	6.634	164	516435	40.000	ug/ml	0.00
Standard Area 1 = 506873			Recovery	=	101.89%	
98) IS2_Phenanthrene-d10	7.933	188	1116098	40.000	ug/ml	0.00
Standard Area 1 = 1073393			Recovery	=	103.98%	

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
28) Benzaldehyde	3.643	105	1100154	206.661	ug/ml	88
29) Acetophenone	4.366	105	1801233	205.057	ug/ml#	87
30) m-Toluidine	4.437	106	1842864	207.510	ug/ml	97
31) 2-Chloroaniline	4.754	127	1694383	206.656	ug/ml	99
56) a-Terpineol	5.159	59	1000844	193.960	ug/ml	85
57) 3-Chloroaniline	5.171	65	528161	207.326	ug/ml	95
58) 2,6-Dichlorophenol	5.195	162	1246751	206.374	ug/ml#	90
59) 1-chloro-2-nitrobenzene	5.424	111	578107	206.954	ug/ml#	85
60) Caprolactam	5.488	55	655645	214.187	ug/ml#	69
61) 1,2,4,5-Tetrachloroben...	5.882	216	1491635	201.054	ug/ml	99
62) Biphenyl	6.146	154	3418869	193.745	ug/ml	98
84) Dichloran	7.662	206	553184	219.046	ug/ml#	67
85) Pentachloronitrobenzene	7.797	237	516754	215.397	ug/ml#	77
99) Diphenamid	8.755	167	2721857	194.109	ug/ml#	60

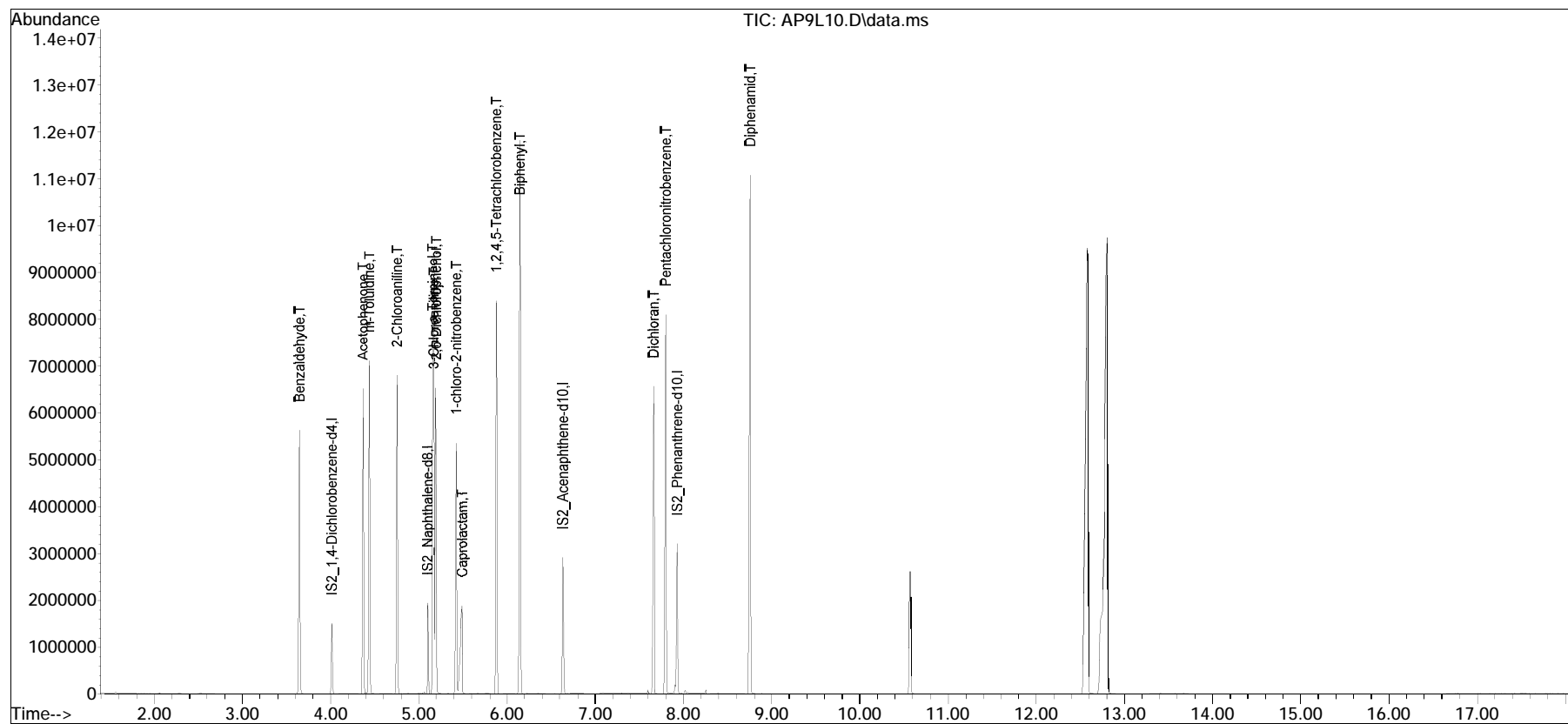
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Buffy\201120ical\  
Data File : AP9L10.D  
Acq On : 20 Nov 2020 9:21 pm  
Operator : Buffy:als  
Sample : IL11,32,,AP9L200 Lot# 8946  
Misc : WG1439209,,  
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 24 16:17:21 2020  
Quant Method : I:\8270\Buffy\201120ical\FS201120buffy.m  
Quant Title : Semivolatiles by GC/MS by modified 8270  
QLast Update : Tue Nov 24 12:04:32 2020  
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistal\AP9L7.D•



Manual Integration Report

Data Path : I:\8270\Buffy\201120ical\ QMethod : FS201120buffy.m  
Data File : AP9L10.D Operator : Buffy:als  
Date Inj'd : 11/20/2020 9:21 pm Instrument : Buffy  
Sample : IL11,32,,AP9L200 Lot# 8946Quant Date : 11/24/2020 12:26 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Buffy\201120ical\  
 Data File : AP9L9.D  
 Acq On : 20 Nov 2020 9:44 pm  
 Operator : Buffy:als  
 Sample : IL12,32,,AP9L150 Lot# 9036  
 Misc : WG1439209,,  
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Nov 24 16:17:55 2020  
 Quant Method : I:\8270\Buffy\201120ical\FS201120buffy.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Tue Nov 24 12:04:32 2020  
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Buffy\201120ical\AP9L7.D  
 Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----						
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	4.014	152	228017	40.000	ug/ml	0.00
Standard Area 1 = 225293			Recovery	=	101.21%	
55) IS2_Naphthalene-d8	5.106	136	887185	40.000	ug/ml	0.00
Standard Area 1 = 855563			Recovery	=	103.70%	
83) IS2_Acenaphthene-d10	6.634	164	549907	40.000	ug/ml	0.00
Standard Area 1 = 506873			Recovery	=	108.49%	
98) IS2_Phenanthrene-d10	7.933	188	1151766	40.000	ug/ml	0.00
Standard Area 1 = 1073393			Recovery	=	107.30%	

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
28) Benzaldehyde	3.643	105	818216	143.728	ug/ml	88
29) Acetophenone	4.366	105	1349348	143.648	ug/ml#	87
30) m-Toluidine	4.437	106	1373420	144.616	ug/ml	98
31) 2-Chloroaniline	4.754	127	1265882	144.377	ug/ml	100
56) a-Terpineol	5.159	59	751331	138.656	ug/ml	83
57) 3-Chloroaniline	5.171	65	385315	144.034	ug/ml	98
58) 2,6-Dichlorophenol	5.195	162	915850	144.365	ug/ml#	89
59) 1-chloro-2-nitrobenzene	5.424	111	419082	142.865	ug/ml#	87
60) Caprolactam	5.482	55	476700	148.296	ug/ml#	67
61) 1,2,4,5-Tetrachloroben...	5.882	216	1110370	142.521	ug/ml	98
62) Biphenyl	6.146	154	2546435	137.417	ug/ml	99
84) Dichloran	7.662	206	388722	144.555	ug/ml#	67
85) Pentachloronitrobenzene	7.797	237	367128	143.714	ug/ml#	78
99) Diphenamid	8.755	167	2002812	138.407	ug/ml#	59

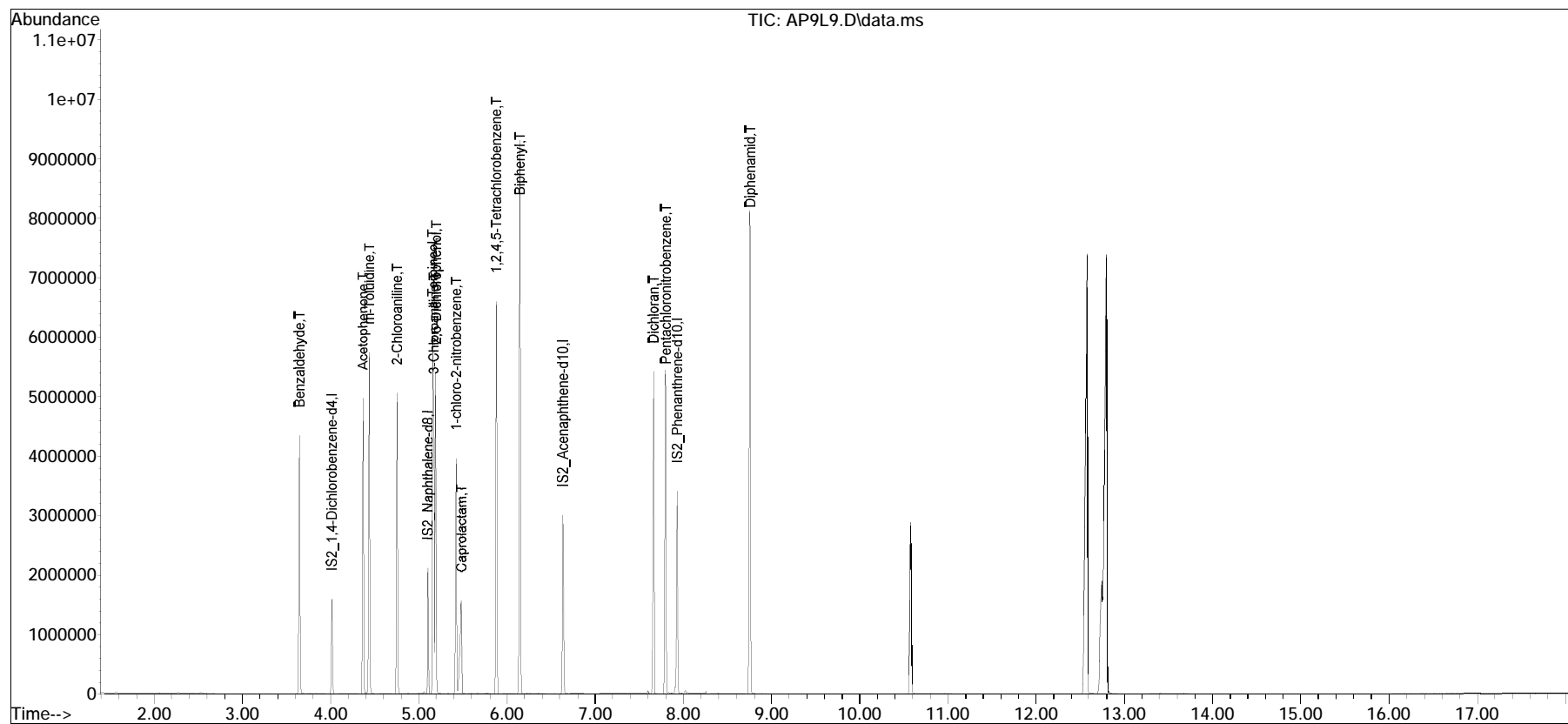
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Buffy\201120ical\  
 Data File : AP9L9.D  
 Acq On : 20 Nov 2020 9:44 pm  
 Operator : Buffy:als  
 Sample : IL12,32,,AP9L150 Lot# 9036  
 Misc : WG1439209,,  
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Nov 24 16:17:55 2020  
 Quant Method : I:\8270\Buffy\201120ical\FS201120buffy.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Tue Nov 24 12:04:32 2020  
 Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistal\AP9L7.D•



Manual Integration Report

Data Path : I:\8270\Buffy\201120ical\ QMethod : FS201120buffy.m  
Data File : AP9L9.D Operator : Buffy:als  
Date Inj'd : 11/20/2020 9:44 pm Instrument : Buffy  
Sample : IL12,32,,AP9L150 Lot# 9036Quant Date : 11/24/2020 12:27 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Buffy\201120ical\  
 Data File : AP9L8.D  
 Acq On : 20 Nov 2020 10:07 pm  
 Operator : Buffy:als  
 Sample : IL13,32,,AP9L100 Lot# 9035  
 Misc : WG1439209,,  
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Nov 24 16:20:54 2020  
 Quant Method : I:\8270\Buffy\201120ical\FS201120buffy.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Tue Nov 24 12:04:32 2020  
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Buffy\201120ical\AP9L7.D  
 Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----						
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	4.013	152	221079	40.000	ug/ml	0.00
Standard Area 1 = 225293			Recovery	=	98.13%	
55) IS2_Naphthalene-d8	5.106	136	855357	40.000	ug/ml	0.00
Standard Area 1 = 855563			Recovery	=	99.98%	
83) IS2_Acenaphthene-d10	6.634	164	512973	40.000	ug/ml	0.00
Standard Area 1 = 506873			Recovery	=	101.20%	
98) IS2_Phenanthrene-d10	7.932	188	1093467	40.000	ug/ml	0.00
Standard Area 1 = 1073393			Recovery	=	101.87%	

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
28) Benzaldehyde	3.643	105	539865	97.809	ug/ml	89
29) Acetophenone	4.366	105	899135	98.723	ug/ml#	87
30) m-Toluidine	4.436	106	916534	99.536	ug/ml	97
31) 2-Chloroaniline	4.754	127	845556	99.464	ug/ml	100
56) a-Terpineol	5.159	59	501343	95.964	ug/ml	83
57) 3-Chloroaniline	5.171	65	252533	97.911	ug/ml	98
58) 2,6-Dichlorophenol	5.194	162	596551	97.533	ug/ml	98
59) 1-chloro-2-nitrobenzene	5.424	111	272159	96.231	ug/ml#	86
60) Caprolactam	5.471	55	309730	99.939	ug/ml#	67
61) 1,2,4,5-Tetrachloroben...	5.882	216	722965	96.249	ug/ml	99
62) Biphenyl	6.146	154	1711071	95.773	ug/ml	100
84) Dichloran	7.662	206	250332	99.794	ug/ml#	69
85) Pentachloronitrobenzene	7.791	237	237575	99.696	ug/ml#	77
99) Diphenamid	8.749	167	1323611	96.347	ug/ml#	60

(#) = qualifier out of range (m) = manual integration (+) = signals summed

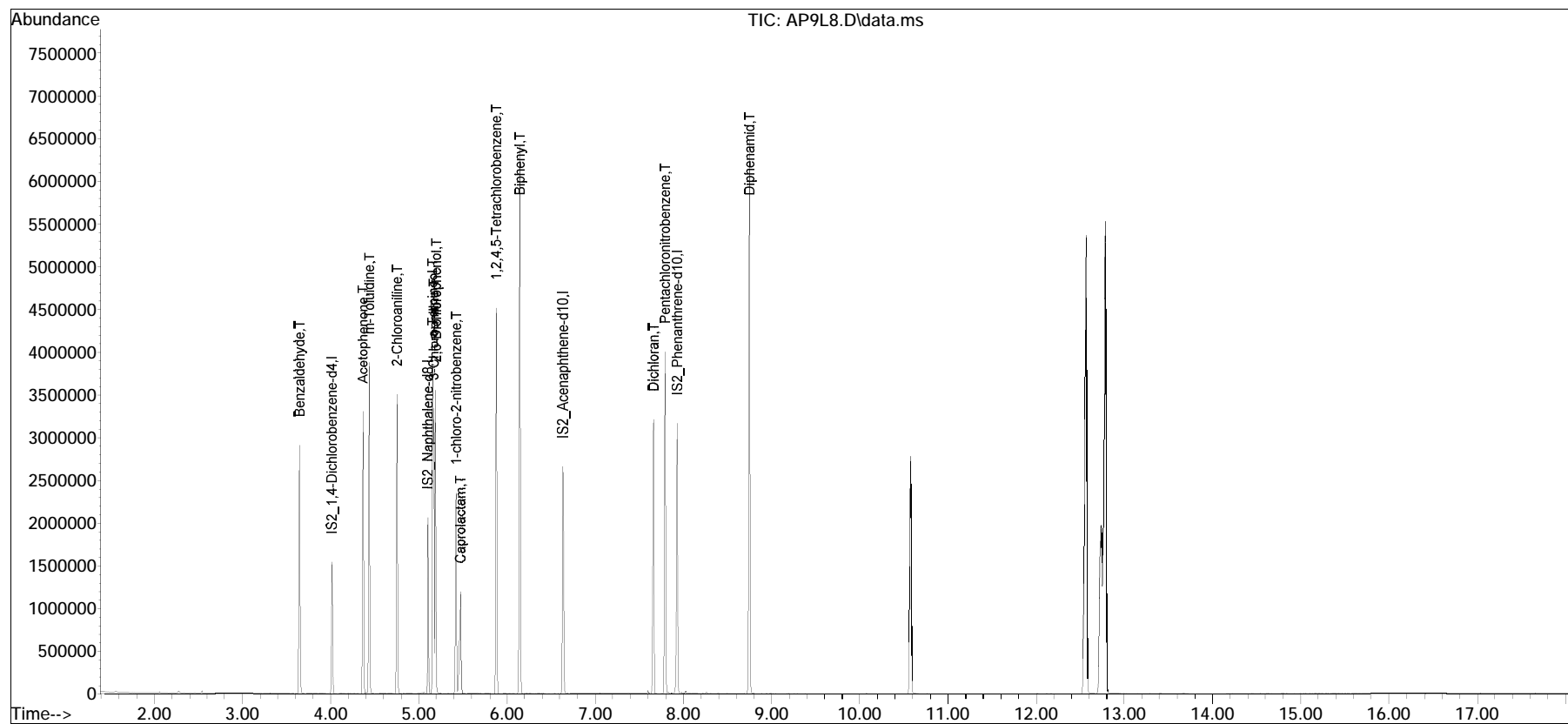


Quantitation Report (QT Reviewed)

Data Path : I:\8270\Buffy\201120ical\  
 Data File : AP9L8.D  
 Acq On : 20 Nov 2020 10:07 pm  
 Operator : Buffy:als  
 Sample : IL13,32,,AP9L100 Lot# 9035  
 Misc : WG1439209,,  
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Nov 24 16:20:54 2020  
 Quant Method : I:\8270\Buffy\201120ical\FS201120buffy.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Tue Nov 24 12:04:32 2020  
 Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistal\AP9L7.D•



Manual Integration Report

Data Path : I:\8270\Buffy\201120ical\ QMethod : FS201120buffy.m  
Data File : AP9L8.D Operator : Buffy:als  
Date Inj'd : 11/20/2020 10:07 pm Instrument : Buffy  
Sample : IL13,32,,AP9L100 Lot# 9035Quant Date : 11/24/2020 12:27 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Buffy\201120ical\  
 Data File : AP9L7.D  
 Acq On : 20 Nov 2020 10:30 pm  
 Operator : Buffy:als  
 Sample : IL14,32,,AP9L50 Lot# 9034  
 Misc : WG1439209,,  
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: Nov 24 16:37:46 2020  
 Quant Method : I:\8270\Buffy\201120ical\FS201120buffy.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Tue Nov 24 16:35:08 2020  
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Buffy\201120ical\AP9L7.D  
 Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----						
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	4.013	152	225293	40.000	ug/ml	0.00
Standard Area 1 = 225293			Recovery	=	100.00%	
55) IS2_Naphthalene-d8	5.106	136	855563	40.000	ug/ml	0.00
Standard Area 1 = 855563			Recovery	=	100.00%	
83) IS2_Acenaphthene-d10	6.634	164	506873	40.000	ug/ml	0.00
Standard Area 1 = 506873			Recovery	=	100.00%	
98) IS2_Phenanthrene-d10	7.932	188	1073393	40.000	ug/ml	0.00
Standard Area 1 = 1073393			Recovery	=	100.00%	

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
28) Benzaldehyde	3.643	105	281240	49.221	ug/ml	89
29) Acetophenone	4.366	105	464062	48.864	ug/ml#	87
30) m-Toluidine	4.436	106	469177	49.376	ug/ml	98
31) 2-Chloroaniline	4.754	127	433157	49.217	ug/ml	100
56) a-Terpineol	5.153	59	261277	50.343	ug/ml#	82
57) 3-Chloroaniline	5.165	65	128991	49.097	ug/ml	98
58) 2,6-Dichlorophenol	5.189	162	305894	51.848	ug/ml#	90
59) 1-chloro-2-nitrobenzene	5.418	111	141443	49.951	ug/ml	86
60) Caprolactam	5.459	55	154997	52.157	ug/ml#	68
61) 1,2,4,5-Tetrachloroben...	5.882	216	375661	49.115	ug/ml	98
62) Biphenyl	6.146	154	893510	48.768	ug/ml	99
84) Dichloran	7.656	206	123933	52.835	ug/ml#	67
85) Pentachloronitrobenzene	7.791	237	117733	50.923	ug/ml#	79
99) Diphenamid	8.749	167	674289	51.902	ug/ml#	61

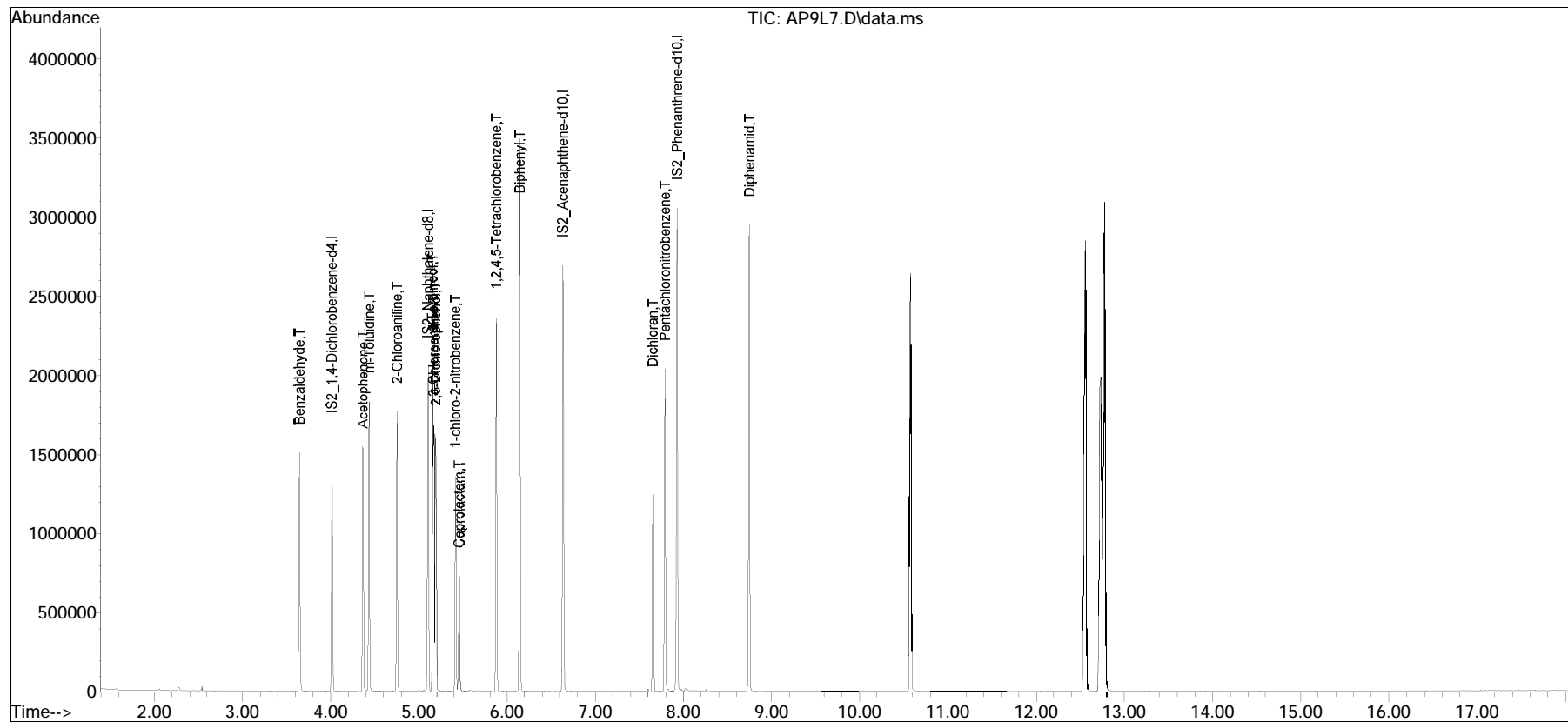
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Buffy\201120ical\  
 Data File : AP9L7.D  
 Acq On : 20 Nov 2020 10:30 pm  
 Operator : Buffy:als  
 Sample : IL14,32,,AP9L50 Lot# 9034  
 Misc : WG1439209,,  
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: Nov 24 16:37:46 2020  
 Quant Method : I:\8270\Buffy\201120ical\FS201120buffy.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Tue Nov 24 16:35:08 2020  
 Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistal\AP9L7.D•



Manual Integration Report

Data Path : I:\8270\Buffy\201120ical\ QMethod : FS201120buffy.m  
Data File : AP9L7.D Operator : Buffy:als  
Date Inj'd : 11/20/2020 10:30 pm Instrument : Buffy  
Sample : IL14,32,,AP9L50 Lot# 9034 Quant Date : 11/24/2020 4:37 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Buffy\201120ical\  
 Data File : AP9L6.D  
 Acq On : 20 Nov 2020 10:53 pm  
 Operator : Buffy:als  
 Sample : IL15,32,,AP9L20 Lot# 9033  
 Misc : WG1439209,,  
 ALS Vial : 15 Sample Multiplier: 1

Quant Time: Nov 24 16:21:36 2020  
 Quant Method : I:\8270\Buffy\201120ical\FS201120buffy.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Tue Nov 24 12:04:32 2020  
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Buffy\201120ical\AP9L7.D  
 Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----						
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	4.013	152	209364	40.000	ug/ml	0.00
Standard Area 1 = 225293			Recovery =	92.93%		
55) IS2_Naphthalene-d8	5.100	136	804458	40.000	ug/ml	0.00
Standard Area 1 = 855563			Recovery =	94.03%		
83) IS2_Acenaphthene-d10	6.634	164	476558	40.000	ug/ml	0.00
Standard Area 1 = 506873			Recovery =	94.02%		
98) IS2_Phenanthrene-d10	7.932	188	1005501	40.000	ug/ml	0.00
Standard Area 1 = 1073393			Recovery =	93.68%		

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
28) Benzaldehyde	3.643	105	107332	20.534	ug/ml	89
29) Acetophenone	4.360	105	180332	20.908	ug/ml#	87
30) m-Toluidine	4.431	106	182872	20.971	ug/ml	96
31) 2-Chloroaniline	4.754	127	167440	20.798	ug/ml	100
56) a-Terpineol	5.147	59	100358	20.425	ug/ml	83
57) 3-Chloroaniline	5.165	65	50970	21.012	ug/ml	97
58) 2,6-Dichlorophenol	5.189	162	115974	20.161	ug/ml#	91
59) 1-chloro-2-nitrobenzene	5.418	111	54771	20.591	ug/ml	86
60) Caprolactam	5.453	55	57221	19.631	ug/ml#	67
61) 1,2,4,5-Tetrachloroben...	5.882	216	145018	20.528	ug/ml	97
62) Biphenyl	6.146	154	352387	20.972	ug/ml	98
84) Dichloran	7.656	206	43173	18.526	ug/ml#	70
85) Pentachloronitrobenzene	7.791	237	44254	19.990	ug/ml#	80
99) Diphenamid	8.743	167	254031	20.109	ug/ml#	61

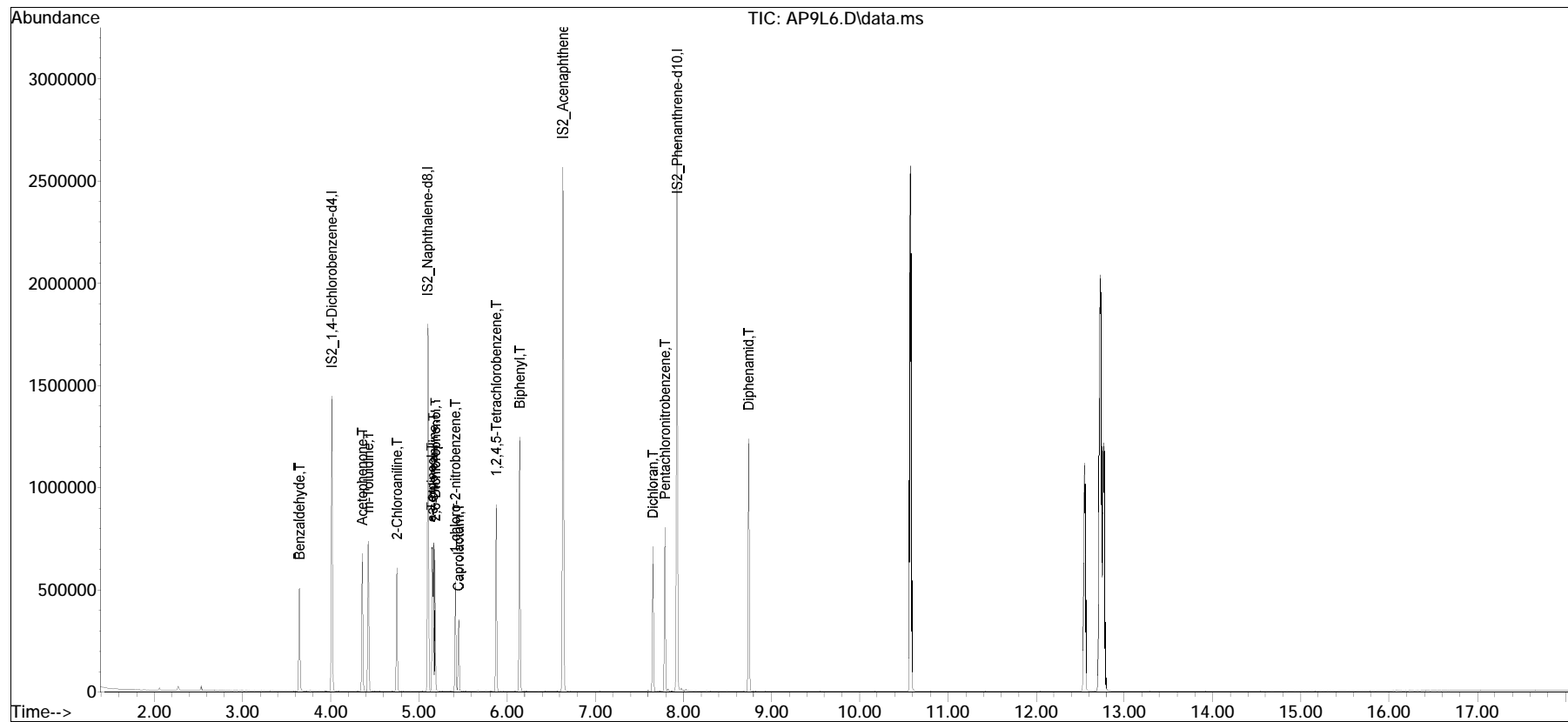
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Buffy\201120ical\  
Data File : AP9L6.D  
Acq On : 20 Nov 2020 10:53 pm  
Operator : Buffy:als  
Sample : IL15,32,,AP9L20 Lot# 9033  
Misc : WG1439209,,  
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Nov 24 16:21:36 2020  
Quant Method : I:\8270\Buffy\201120ical\FS201120buffy.m  
Quant Title : Semivolatiles by GC/MS by modified 8270  
QLast Update : Tue Nov 24 12:04:32 2020  
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistal\AP9L7.D•



Manual Integration Report

Data Path : I:\8270\Buffy\201120ical\ QMethod : FS201120buffy.m  
Data File : AP9L6.D Operator : Buffy:als  
Date Inj'd : 11/20/2020 10:53 pm Instrument : Buffy  
Sample : IL15,32,,AP9L20 Lot# 9033 Quant Date : 11/24/2020 12:27 pm

There are no manual integrations or false positives in this file.



Quantitation Report (QT Reviewed)

Data Path : I:\8270\Buffy\201120ical\  
 Data File : AP9L5.D  
 Acq On : 20 Nov 2020 11:16 pm  
 Operator : Buffy:als  
 Sample : IL16,32,,AP9L10 Lot# 9032  
 Misc : WG1439209,,  
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: Nov 24 16:22:05 2020  
 Quant Method : I:\8270\Buffy\201120ical\FS201120buffy.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Tue Nov 24 12:04:32 2020  
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Buffy\201120ical\AP9L7.D  
 Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----						
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	4.013	152	203162	40.000	ug/ml	0.00
Standard Area 1 = 225293			Recovery =	90.18%		
55) IS2_Naphthalene-d8	5.106	136	782583	40.000	ug/ml	0.00
Standard Area 1 = 855563			Recovery =	91.47%		
83) IS2_Acenaphthene-d10	6.634	164	458895	40.000	ug/ml	0.00
Standard Area 1 = 506873			Recovery =	90.53%		
98) IS2_Phenanthrene-d10	7.932	188	972948	40.000	ug/ml	0.00
Standard Area 1 = 1073393			Recovery =	90.64%		

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
28) Benzaldehyde	3.643	105	52991	10.447	ug/ml	90
29) Acetophenone	4.366	105	89536	10.698	ug/ml#	87
30) m-Toluidine	4.431	106	87222	10.308	ug/ml	98
31) 2-Chloroaniline	4.754	127	82037	10.501	ug/ml	100
56) a-Terpineol	5.153	59	48342	10.114	ug/ml	83
57) 3-Chloroaniline	5.165	65	23135	9.804	ug/ml	92
58) 2,6-Dichlorophenol	5.189	162	54744	9.783	ug/ml#	90
59) 1-chloro-2-nitrobenzene	5.418	111	26151	10.106	ug/ml	87
60) Caprolactam	5.447	55	26623	9.389	ug/ml#	68
61) 1,2,4,5-Tetrachloroben...	5.882	216	71638	10.424	ug/ml	98
62) Biphenyl	6.146	154	177131	10.836	ug/ml	97
84) Dichloran	7.656	206	19271	8.588	ug/ml#	73
85) Pentachloronitrobenzene	7.791	237	20983	9.843	ug/ml#	79
99) Diphenamid	8.743	167	117529	9.615	ug/ml#	64

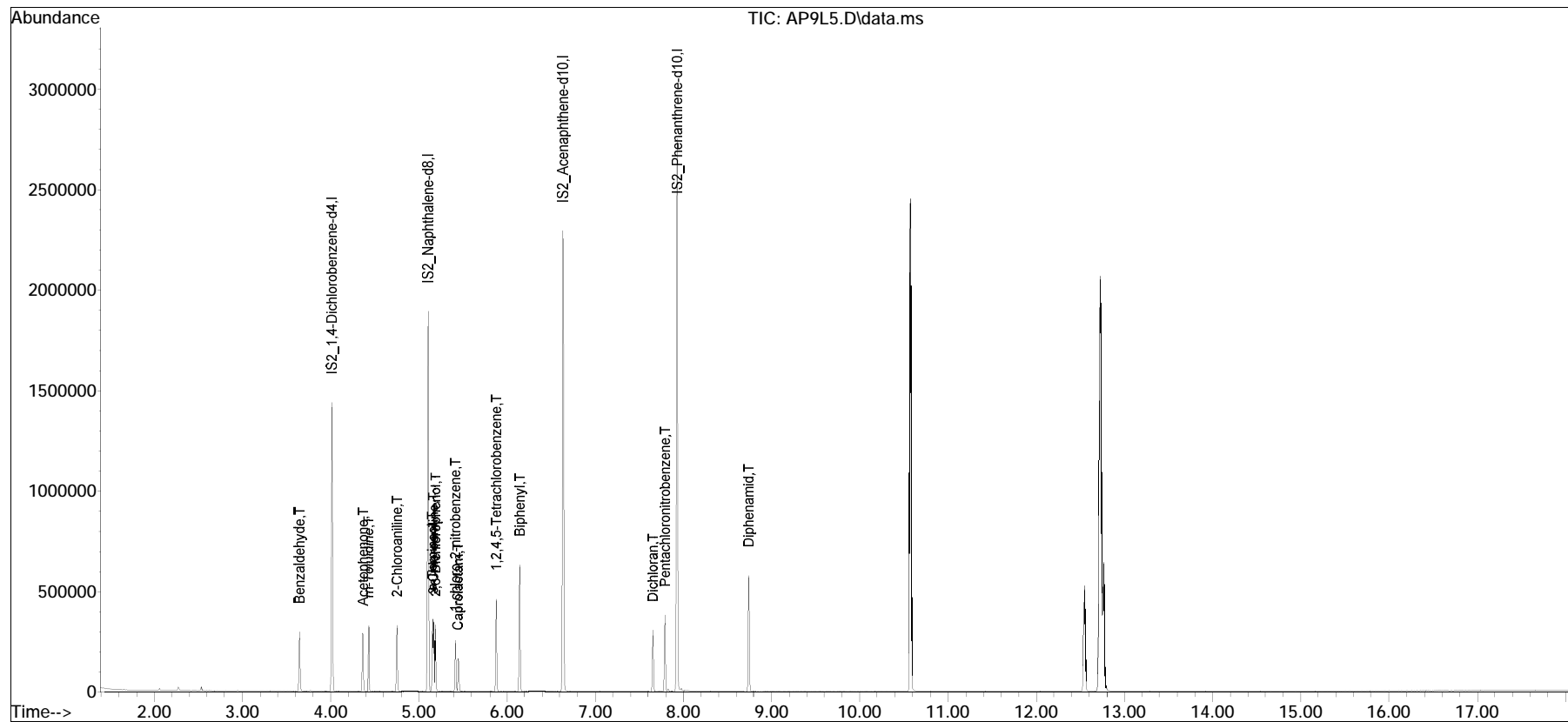
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Buffy\201120ical\  
 Data File : AP9L5.D  
 Acq On : 20 Nov 2020 11:16 pm  
 Operator : Buffy:als  
 Sample : IL16,32,,AP9L10 Lot# 9032  
 Misc : WG1439209,,  
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: Nov 24 16:22:05 2020  
 Quant Method : I:\8270\Buffy\201120ical\FS201120buffy.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Tue Nov 24 12:04:32 2020  
 Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistal\AP9L7.D•



Manual Integration Report

Data Path : I:\8270\Buffy\201120ical\ QMethod : FS201120buffy.m  
Data File : AP9L5.D Operator : Buffy:als  
Date Inj'd : 11/20/2020 11:16 pm Instrument : Buffy  
Sample : IL16,32,,AP9L10 Lot# 9032 Quant Date : 11/24/2020 12:27 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Buffy\201120ical\  
 Data File : AP9L4.D  
 Acq On : 20 Nov 2020 11:39 pm  
 Operator : Buffy:als  
 Sample : IL17,32,,AP9L5 Lot# 9031  
 Misc : WG1439209,,  
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Nov 24 16:24:14 2020  
 Quant Method : I:\8270\Buffy\201120ical\FS201120buffy.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Tue Nov 24 12:04:32 2020  
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Buffy\201120ical\AP9L7.D  
 Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----						
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	4.013	152	212232	40.000	ug/ml	0.00
Standard Area 1 = 225293			Recovery	=	94.20%	
55) IS2_Naphthalene-d8	5.106	136	808500	40.000	ug/ml	0.00
Standard Area 1 = 855563			Recovery	=	94.50%	
83) IS2_Acenaphthene-d10	6.634	164	457411	40.000	ug/ml	0.00
Standard Area 1 = 506873			Recovery	=	90.24%	
98) IS2_Phenanthrene-d10	7.932	188	974351	40.000	ug/ml	0.00
Standard Area 1 = 1073393			Recovery	=	90.77%	

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
28) Benzaldehyde	3.643	105	28342	5.349	ug/ml	87
29) Acetophenone	4.366	105	46034	5.265	ug/ml#	87
30) m-Toluidine	4.436	106	44757	5.063	ug/ml	98
31) 2-Chloroaniline	4.754	127	42506	5.208	ug/ml	98
56) a-Terpineol	5.153	59	24886	5.040	ug/ml#	82
57) 3-Chloroaniline	5.165	65	12847	5.270	ug/ml	94
58) 2,6-Dichlorophenol	5.188	162	27284	4.719	ug/ml#	88
59) 1-chloro-2-nitrobenzene	5.418	111	13137	4.914	ug/ml	89
60) Caprolactam	5.447	55	12676	4.327	ug/ml#	69
61) 1,2,4,5-Tetrachloroben...	5.882	216	37457	5.276	ug/ml	98
62) Biphenyl	6.146	154	88710	5.253	ug/ml	98
84) Dichloran	7.656	206	8751	3.912	ug/ml#	70
85) Pentachloronitrobenzene	7.791	237	10274	4.835	ug/ml#	78
99) Diphenamid	8.743	167	58023	4.740	ug/ml#	63

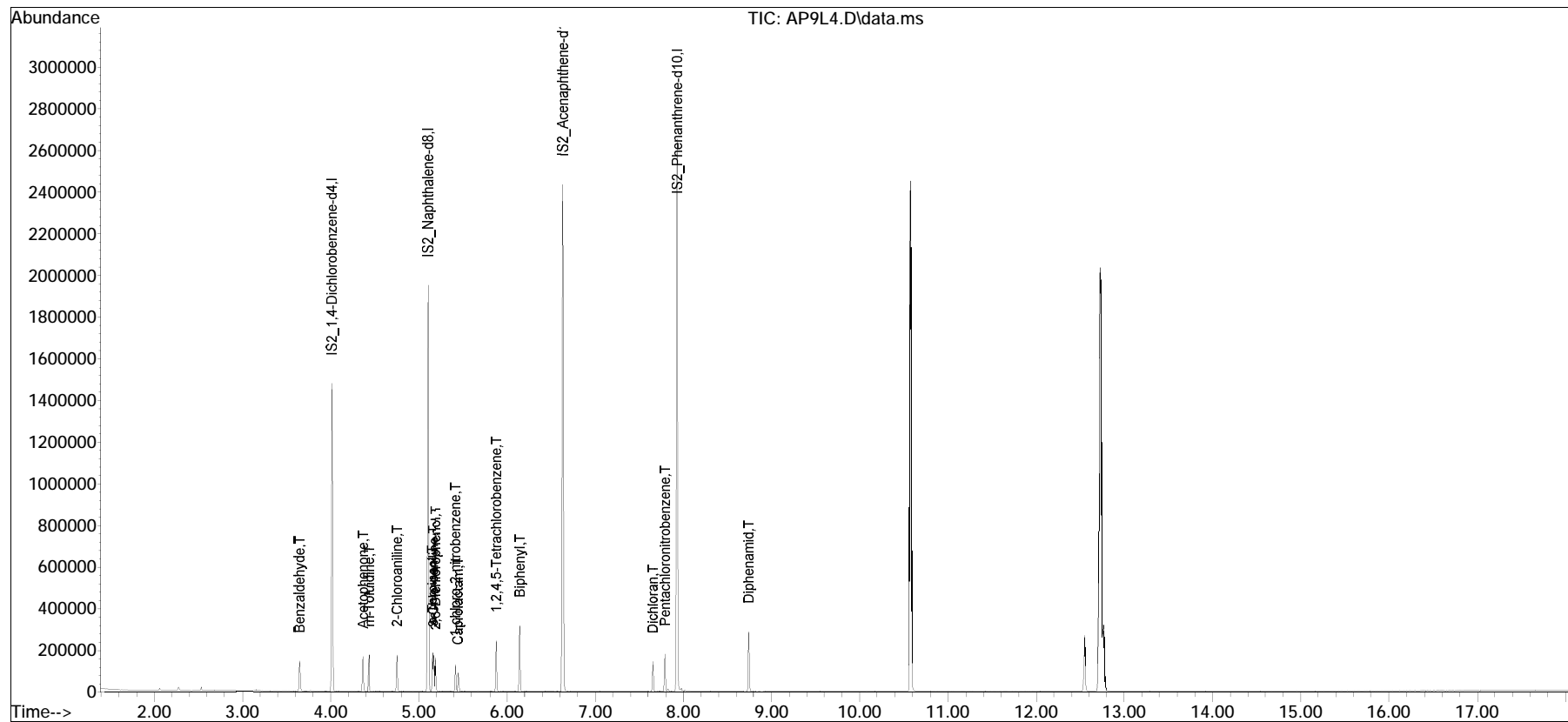
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Buffy\201120ical\  
 Data File : AP9L4.D  
 Acq On : 20 Nov 2020 11:39 pm  
 Operator : Buffy:als  
 Sample : IL17,32,,AP9L5 Lot# 9031  
 Misc : WG1439209,,  
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Nov 24 16:24:14 2020  
 Quant Method : I:\8270\Buffy\201120ical\FS201120buffy.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Tue Nov 24 12:04:32 2020  
 Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistal\AP9L7.D•



Manual Integration Report

Data Path : I:\8270\Buffy\201120ical\ QMethod : FS201120buffy.m  
Data File : AP9L4.D Operator : Buffy:als  
Date Inj'd : 11/20/2020 11:39 pm Instrument : Buffy  
Sample : IL17,32,,AP9L5 Lot# 9031 Quant Date : 11/24/2020 12:26 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Buffy\201120ical\  
 Data File : AP9L3.D  
 Acq On : 21 Nov 2020 12:02 am  
 Operator : Buffy:als  
 Sample : IL18,32,,AP9L3 Lot# 9030  
 Misc : WG1439209,,  
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Nov 24 16:26:18 2020  
 Quant Method : I:\8270\Buffy\201120ical\FS201120buffy.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Tue Nov 24 12:04:32 2020  
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Buffy\201120ical\AP9L7.D  
 Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----						
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	4.013	152	187781	40.000	ug/ml	0.00
Standard Area 1 = 225293			Recovery	=	83.35%	
55) IS2_Naphthalene-d8	5.106	136	706764	40.000	ug/ml	0.00
Standard Area 1 = 855563			Recovery	=	82.61%	
83) IS2_Acenaphthene-d10	6.634	164	399825	40.000	ug/ml	0.00
Standard Area 1 = 506873			Recovery	=	78.88%	
98) IS2_Phenanthrene-d10	7.932	188	821532	40.000	ug/ml	0.00
Standard Area 1 = 1073393			Recovery	=	76.54%	

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
28) Benzaldehyde	3.643	105	14631	3.121	ug/ml	89
29) Acetophenone	4.360	105	24311	3.143	ug/ml#	88
30) m-Toluidine	4.431	106	23153	2.960	ug/ml	99
31) 2-Chloroaniline	4.754	127	21556	2.985	ug/ml	98
56) a-Terpineol	5.147	59	13208	3.060	ug/ml#	82
57) 3-Chloroaniline	5.165	65	6424	3.014	ug/ml	98
58) 2,6-Dichlorophenol	5.189	162	13535	2.678	ug/ml#	91
59) 1-chloro-2-nitrobenzene	5.418	111	7401	3.167	ug/ml	87
60) Caprolactam	5.447	55	6333	2.473	ug/ml#	65
61) 1,2,4,5-Tetrachloroben...	5.882	216	19896	3.206	ug/ml	96
62) Biphenyl	6.146	154	47449	3.214	ug/ml	96
84) Dichloran	7.656	206	4389	2.245	ug/ml#	71
85) Pentachloronitrobenzene	7.791	237	4860	2.617	ug/ml#	71
99) Diphenamid	8.743	167	28957	2.806	ug/ml#	64

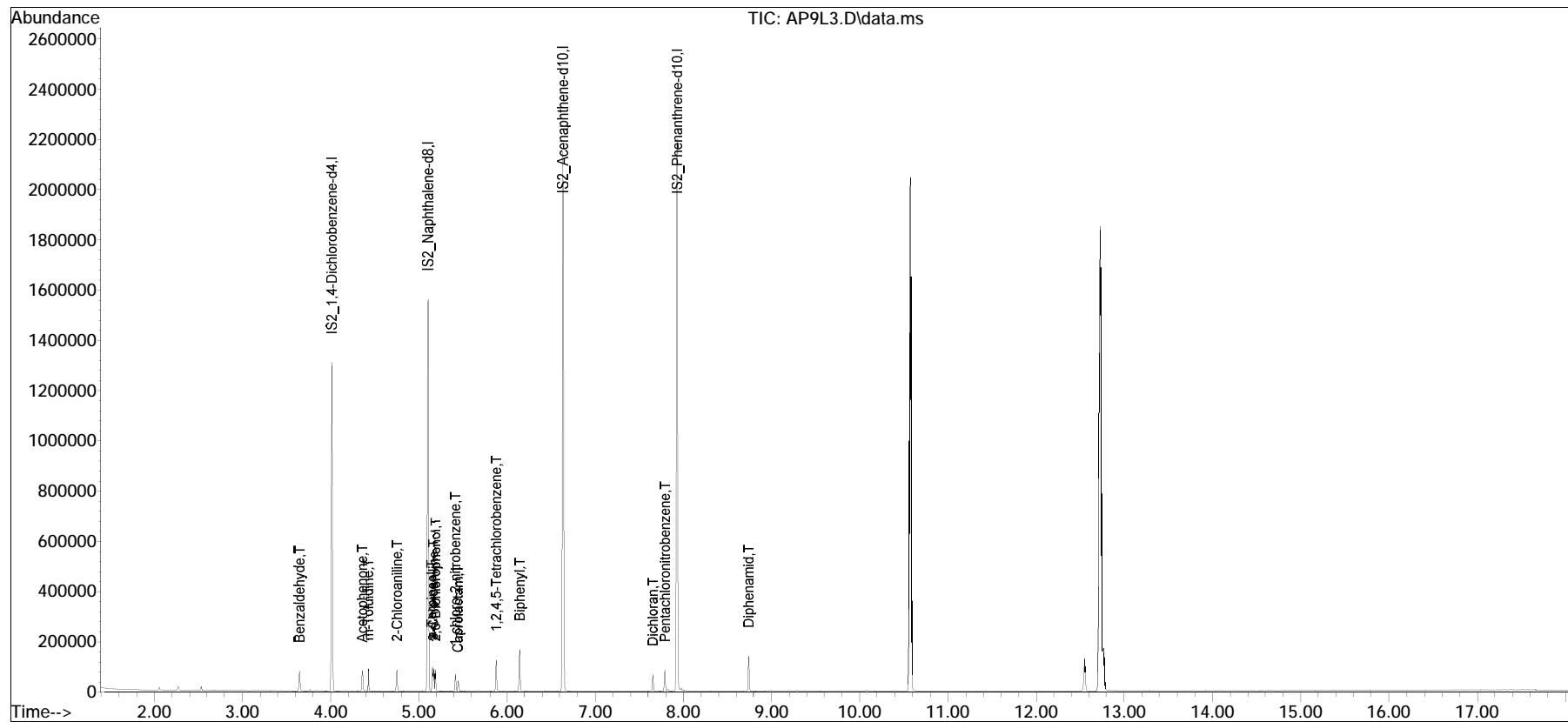
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Buffy\201120ical\  
 Data File : AP9L3.D  
 Acq On : 21 Nov 2020 12:02 am  
 Operator : Buffy:als  
 Sample : IL18,32,,AP9L3 Lot# 9030  
 Misc : WG1439209,,  
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Nov 24 16:26:18 2020  
 Quant Method : I:\8270\Buffy\201120ical\FS201120buffy.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Tue Nov 24 12:04:32 2020  
 Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistal\AP9L7.D•





Manual Integration Report

Data Path : I:\8270\Buffy\201120ical\ QMethod : FS201120buffy.m  
Data File : AP9L3.D Operator : Buffy:als  
Date Inj'd : 11/21/2020 12:02 am Instrument : Buffy  
Sample : IL18,32,,AP9L3 Lot# 9030 Quant Date : 11/24/2020 12:26 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Buffy\201120ical\  
 Data File : AP9L2.D  
 Acq On : 21 Nov 2020 12:25 am  
 Operator : Buffy:als  
 Sample : IL19,32,,AP9L2 Lot# 9029  
 Misc : WG1439209,,  
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: Nov 24 16:33:44 2020  
 Quant Method : I:\8270\Buffy\201120ical\FS201120buffy.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Tue Nov 24 12:04:32 2020  
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Buffy\201120ical\AP9L7.D  
 Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	4.013	152	186207	40.000	ug/ml	0.00
Standard Area 1 = 225293			Recovery	=	82.65%	
55) IS2_Naphthalene-d8	5.106	136	703141	40.000	ug/ml	0.00
Standard Area 1 = 855563			Recovery	=	82.18%	
83) IS2_Acenaphthene-d10	6.634	164	400417	40.000	ug/ml	0.00
Standard Area 1 = 506873			Recovery	=	79.00%	
98) IS2_Phenanthrene-d10	7.933	188	838305	40.000	ug/ml	0.00
Standard Area 1 = 1073393			Recovery	=	78.10%	

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
28) Benzaldehyde	3.643	105	9553	2.055	ug/ml	89
29) Acetophenone	4.366	105	16074	2.095	ug/ml#	84
30) m-Toluidine	4.437	106	16099	2.076	ug/ml	93
31) 2-Chloroaniline	4.754	127	14692	2.052	ug/ml	96
56) a-Terpineol	5.147	59	8799	2.049	ug/ml	87
57) 3-Chloroaniline	5.165	65	4664	2.200	ug/ml	80
58) 2,6-Dichlorophenol	5.189	162	8916	1.773	ug/ml#	90
59) 1-chloro-2-nitrobenzene	5.418	111	4559	1.961	ug/ml	88
60) Caprolactam	5.447	55	4051	1.590	ug/ml#	74
61) 1,2,4,5-Tetrachloroben...	5.882	216	12988	2.103	ug/ml	97
62) Biphenyl	6.146	154	33205	2.261	ug/ml	96
84) Dichloran	7.656	206	2637	1.347	ug/ml#	77
85) Pentachloronitrobenzene	7.792	237	3161	1.699	ug/ml#	79
99) Diphenamid	8.743	167	19273	1.830	ug/ml#	62

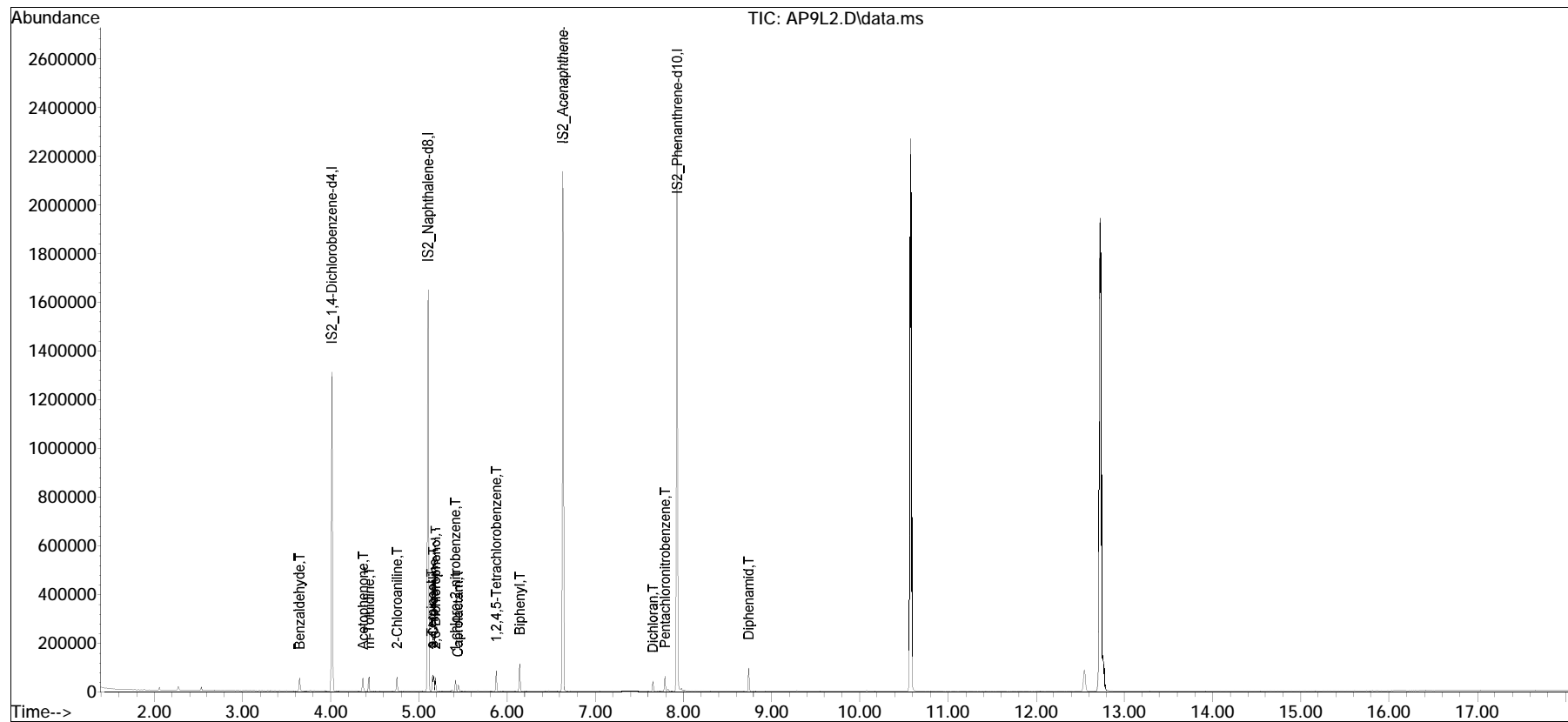
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Buffy\201120ical\  
Data File : AP9L2.D  
Acq On : 21 Nov 2020 12:25 am  
Operator : Buffy:als  
Sample : IL19,32,,AP9L2 Lot# 9029  
Misc : WG1439209,,  
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Nov 24 16:33:44 2020  
Quant Method : I:\8270\Buffy\201120ical\FS201120buffy.m  
Quant Title : Semivolatiles by GC/MS by modified 8270  
QLast Update : Tue Nov 24 12:04:32 2020  
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistal\AP9L7.D•



Manual Integration Report

Data Path : I:\8270\Buffy\201120ical\ QMethod : FS201120buffy.m  
Data File : AP9L2.D Operator : Buffy:als  
Date Inj'd : 11/21/2020 12:25 am Instrument : Buffy  
Sample : IL19,32,,AP9L2 Lot# 9029 Quant Date : 11/24/2020 12:26 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Buffy\201120ical\  
 Data File : AP9L1.D  
 Acq On : 21 Nov 2020 12:48 am  
 Operator : Buffy:als  
 Sample : IL20,32,,AP9L1 Lot# 9028  
 Misc : WG1439209,,  
 ALS Vial : 20 Sample Multiplier: 1

Quant Time: Nov 24 16:34:31 2020  
 Quant Method : I:\8270\Buffy\201120ical\FS201120buffy.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Tue Nov 24 12:04:32 2020  
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Buffy\201120ical\AP9L7.D  
 Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----						
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	4.013	152	189780	40.000	ug/ml	0.00
Standard Area 1 = 225293			Recovery	=	84.24%	
55) IS2_Naphthalene-d8	5.106	136	732998	40.000	ug/ml	0.00
Standard Area 1 = 855563			Recovery	=	85.67%	
83) IS2_Acenaphthene-d10	6.640	164	419117	40.000	ug/ml	0.00
Standard Area 1 = 506873			Recovery	=	82.69%	
98) IS2_Phenanthrene-d10	7.932	188	887523	40.000	ug/ml	0.00
Standard Area 1 = 1073393			Recovery	=	82.68%	

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
28) Benzaldehyde	3.643	105	4961	1.047	ug/ml	97
29) Acetophenone	4.366	105	9090	1.163	ug/ml#	82
30) m-Toluidine	4.436	106	7455	0.943	ug/ml	98
31) 2-Chloroaniline	4.754	127	7443	1.020	ug/ml	98
56) a-Terpineol	5.153	59	4590	1.025	ug/ml#	79
57) 3-Chloroaniline	5.165	65	2179	0.986	ug/ml	94
58) 2,6-Dichlorophenol	5.188	162	4835	0.922	ug/ml#	88
59) 1-chloro-2-nitrobenzene	5.418	111	2374	0.980	ug/ml	90
60) Caprolactam	5.447	55	2404	0.905	ug/ml#	65
61) 1,2,4,5-Tetrachloroben...	5.882	216	7204	1.119	ug/ml	95
62) Biphenyl	6.146	154	18082	1.181	ug/ml	95
84) Dichloran	7.656	206	1360	0.664	ug/ml#	81
85) Pentachloronitrobenzene	7.791	237	1707	0.877	ug/ml#	81
99) Diphenamid	8.743	167	9519	0.854	ug/ml#	66

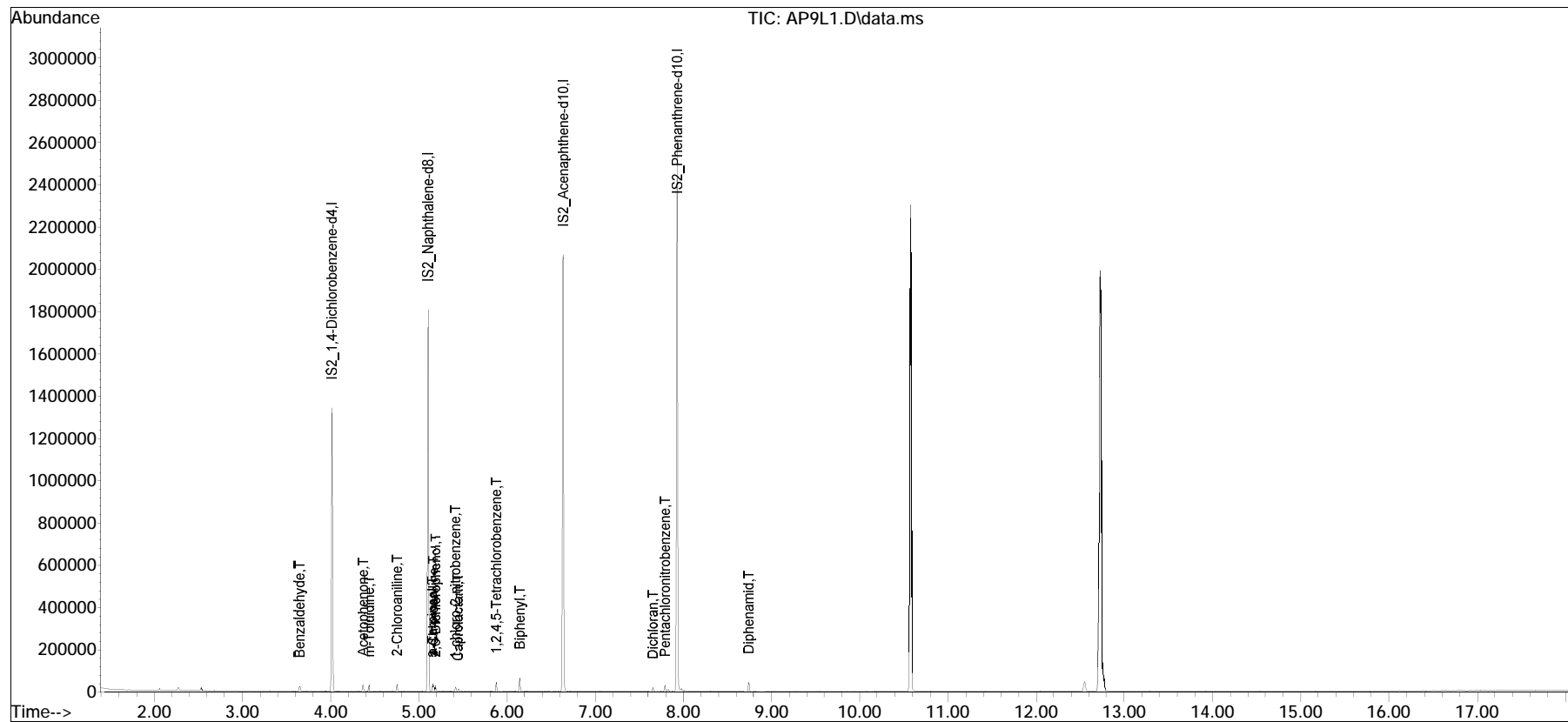
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Buffy\201120ical\  
 Data File : AP9L1.D  
 Acq On : 21 Nov 2020 12:48 am  
 Operator : Buffy:als  
 Sample : IL20,32,,AP9L1 Lot# 9028  
 Misc : WG1439209,,  
 ALS Vial : 20 Sample Multiplier: 1

Quant Time: Nov 24 16:34:31 2020  
 Quant Method : I:\8270\Buffy\201120ical\FS201120buffy.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Tue Nov 24 12:04:32 2020  
 Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistal\AP9L7.D•



Manual Integration Report

Data Path : I:\8270\Buffy\201120ical\ QMethod : FS201120buffy.m  
Data File : AP9L1.D Operator : Buffy:als  
Date Inj'd : 11/21/2020 12:48 am Instrument : Buffy  
Sample : IL20,32,,AP9L1 Lot# 9028 Quant Date : 11/24/2020 12:26 pm

There are no manual integrations or false positives in this file.

Evaluate Continuing Calibration Report

Data Path : I:\8270\Buffy\201120ical\  
 Data File : ABNICV.D  
 Acq On : 21 Nov 2020 1:11 am  
 Operator : Buffy:als  
 Sample : CQICV1,32,,ABNICV Lot# 8900  
 Misc : WG1439209,,  
 ALS Vial : 21 Sample Multiplier: 1

Quant Time: Nov 24 15:32:23 2020  
 Quant Method : I:\8270\Buffy\201120ical\FS201120buffy.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Tue Nov 24 15:31:54 2020  
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	IS1_1,4-Dichlorobenzene-d4	1.000	1.000	0.0	94	0.00
2 t	n-Nitrosodimethylamine	0.698	0.664	4.9	94	0.00
3 t	Pyridine	1.285	1.184	7.9	91	0.00
4 S	2-Fluorophenol	1.135	1.088	4.1	92	0.00
5 T	Aniline	1.818	1.693	6.9	92	0.00
6 t	2-Chlorophenol	1.307	1.243	4.9	91	0.00
7 S	Phenol-d6	1.361	1.250	8.2	88	0.00
8 T	Phenol	1.548	1.455	6.0	91	0.00
9 T	Bis(2-chloroethyl)ether	1.058	0.971	8.2	91	0.00
10 T	1,3-Dichlorobenzene	1.562	1.450	7.2	93	0.00
11 T	1,4-Dichlorobenzene	1.564	1.495	4.4	96	0.00
12 T	1,2-Dichlorobenzene	1.521	1.420	6.6	94	0.00
13 t	Benzyl alcohol	0.954	0.907	4.9	91	0.00
14 T	Bis(2-chloroisopropyl)ether	1.733	1.525	12.0	86	0.00
15 T	2-Methylphenol	1.118	1.066	4.7	93	0.00
16 T	Hexachloroethane	0.595	0.540	9.2	92	0.00
17 T	n-Nitrosodi-n-propylamine	0.836	0.755	9.7	90	0.00
18 T	3-Methylphenol/4-Methylphen	1.173	1.121	4.4	92	0.00
19 S	Nitrobenzene-d5	1.254	1.161	7.4	91	0.00
20 T	Nitrobenzene	1.203	1.112	7.6	90	0.00
21 T	Isophorone	2.271	2.128	6.3	92	0.00
22 T	2-Nitrophenol	0.654	0.620	5.2	89	0.00
23 T	2,4-Dimethylphenol	1.251	1.201	4.0	93	0.00
24 T	Bis(2-chloroethoxy)methane	1.475	1.331	9.8	92	0.00
25 T	2,4-Dichlorophenol	1.160	1.121	3.4	93	0.00
26 T	1,2,4-Trichlorobenzene	1.337	1.241	7.2	93	0.00
35 I	IS1_Naphthalene-d8	1.000	1.000	0.0	96	0.00
36 T	Naphthalene	1.054	0.989	6.2	96	0.00
37 T	Benzoic Acid	0.252	0.226	10.3	85	0.00
38 T	4-Chloroaniline	0.117	0.109	6.8	92	0.00
39 T	Hexachlorobutadiene	0.211	0.196	7.1	96	0.00
40 T	p-Chloro-m-cresol	0.289	0.277	4.2	92	0.00
41 T	2-Methylnaphthalene	0.734	0.686	6.5	96	0.00
42 T	1-Methylnaphthalene	0.230	0.214	7.0	95	0.00
43 T	Hexachlorocyclopentadiene	0.263	0.260	1.1	96	0.00
44 T	2,4,6-Trichlorophenol	0.231	0.240	-3.9	99	0.00
45 T	2,4,5-Trichlorophenol	0.256	0.241	5.9	91	0.00
46 S	2-Fluorobiphenyl	0.861	0.789	8.4	95	0.00



Evaluate Continuing Calibration Report

Data Path : I:\8270\Buffy\201120ical\  
 Data File : ABNICV.D  
 Acq On : 21 Nov 2020 1:11 am  
 Operator : Buffy:als  
 Sample : CQICV1,32,,ABNICV Lot# 8900  
 Misc : WG1439209,,  
 ALS Vial : 21 Sample Multiplier: 1

Quant Time: Nov 24 15:32:23 2020  
 Quant Method : I:\8270\Buffy\201120ical\FS201120buffy.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Tue Nov 24 15:31:54 2020  
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
47 T	2-Chloronaphthalene	0.710	0.669	5.8	96	0.00
48 T	2-Nitroaniline	0.232	0.225	3.0	91	0.00
49 T	1,4-Dinitrobenzene	0.102	0.095	6.9	89	0.00
50 T	1,3-Dinitrobenzene	0.113	0.110	2.7	91	0.00
51 T	Dimethyl phthalate	0.873	0.800	8.4	94	0.00
52 T	Acenaphthylene	1.230	1.178	4.2	96	0.00
53 T	2,6-Dinitrotoluene	0.176	0.174	1.1	93	0.00
54 T	1,2-Dinitrobenzene	0.071	0.067	5.6	91	0.00
63 I	IS1_Acenaphthene-d10	1.000	1.000	0.0	101	0.00
64 T	3-Nitroaniline	0.354	0.338	4.5	94	0.00
65 T	Acenaphthene	1.236	1.090	11.8	96	0.00
66 T	2,4-Dinitrophenol	0.183	0.161	12.0	84	0.00
67 T	Dibenzofuran	1.810	1.687	6.8	96	0.00
68 T	2,4-Dinitrotoluene	0.407	0.390	4.2	92	0.00
69 T	4-Nitrophenol	0.235	0.217	7.7	89	0.00
70 T	2,3,5,6-Tetrachlorophenol	0.380	0.375	1.3	98	0.00
71 T	2,3,4,6-Tetrachlorophenol	0.385	0.372	3.4	97	0.00
72 T	Diethyl phthalate	1.583	1.431	9.6	96	0.00
73 T	Fluorene	1.487	1.372	7.7	98	0.00
74 T	4-Chlorophenyl phenyl ether	0.719	0.655	8.9	99	0.00
75 T	4-Nitroaniline	0.359	0.362	-0.8	96	0.00
76 T	4,6-Dinitro-o-cresol	0.225	0.212	5.8	89	0.00
77 T	NDPA/DPA	1.279	1.193	6.7	97	0.00
78 T	Azobenzene	1.240	1.136	8.4	96	0.00
79 S	2,4,6-Tribromophenol	0.264	0.256	3.0	97	0.00
80 T	4-Bromophenyl phenyl ether	0.460	0.435	5.4	104	0.00
81 T	Hexachlorobenzene	0.557	0.517	7.2	101	0.00
82 T	Pentachlorophenol	0.306	0.314	-2.6	95	0.00
88 I	IS1_Phenanthrene-d10	1.000	1.000	0.0	103	0.00
89 T	Phenanthrene	1.087	1.002	7.8	99	0.00
90 T	Anthracene	1.135	1.029	9.3	98	0.00
91 T	Carbazole	1.046	0.958	8.4	97	0.00
92 T	Di-n-butylphthalate	1.251	1.188	5.0	97	0.00
93 T	Fluoranthene	1.313	1.210	7.8	98	0.00
94 T	Benzidine	0.830	0.833	-0.4	93	0.00
95 T	Pyrene	1.384	1.245	10.0	97	0.00
96 S	4-Terphenyl-d14	1.020	0.957	6.2	100	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270\Buffy\201120ical\  
 Data File : ABNICV.D  
 Acq On : 21 Nov 2020 1:11 am  
 Operator : Buffy:als  
 Sample : CQICV1,32,,ABNICV Lot# 8900  
 Misc : WG1439209,,  
 ALS Vial : 21 Sample Multiplier: 1

Quant Time: Nov 24 15:32:23 2020  
 Quant Method : I:\8270\Buffy\201120ical\FS201120buffy.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Tue Nov 24 15:31:54 2020  
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
97 T	Butyl benzyl phthalate	0.566	0.550	2.8	94	0.00
104 I	IS1_Chrysene-d12	1.000	1.000	0.0	98	0.00
105 T	Benzo(a)anthracene	1.283	1.131	11.8	92	0.00
106 T	3,3'-Dichlorobenzidine	0.479	0.479	0.0	93	0.00
107 T	Chrysene	1.197	1.138	4.9	97	0.00
108 T	Bis(2-ethylhexyl)phthalate	0.779	0.816	-4.7	98	0.00
109 T	Di-n-octylphthalate	1.334	1.375	-3.1	93	0.00
110 T	Benzo(b)fluoranthene	1.299	1.292	0.5	96	0.00
111 T	Benzo(k)fluoranthene	1.218	1.154	5.3	91	0.00
112 T	Benzo(a)pyrene	1.102	1.125	-2.1	94	0.00
113 I	IS1_Perylene-d12	1.000	1.000	0.0	96	0.00
114 T	Indeno(1,2,3-cd)pyrene	1.099	1.103	-0.4	92	0.00
115 T	Dibenzo(a,h)anthracene	1.124	1.119	0.4	93	0.00
116 T	Benzo(ghi)perylene	1.175	1.158	1.4	92	0.00

\* Evaluation of CC level amount vs concentration.  
 (#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Buffy\201120ical\  
 Data File : ABNICV.D  
 Acq On : 21 Nov 2020 1:11 am  
 Operator : Buffy:als  
 Sample : CQICV1,32,,ABNICV Lot# 8900  
 Misc : WG1439209,,  
 ALS Vial : 21 Sample Multiplier: 1

Quant Time: Nov 24 15:32:23 2020  
 Quant Method : I:\8270\Buffy\201120ical\FS201120buffy.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Tue Nov 24 15:31:54 2020  
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Buffy\201120ical\ABNL7.D  
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----						
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.013	152	183308	40.000	ug/ml	0.00
Standard Area 1 = 194251			Recovery =	94.37%		
35) IS1_Naphthalene-d8	5.106	136	706165	40.000	ug/ml	0.00
Standard Area 1 = 739255			Recovery =	95.52%		
63) IS1_Acenaphthene-d10	6.640	164	430716	40.000	ug/ml	0.00
Standard Area 1 = 428364			Recovery =	100.55%		
88) IS1_Phenanthrene-d10	7.932	188	919953	40.000	ug/ml	0.00
Standard Area 1 = 890994			Recovery =	103.25%		
104) IS1_Chrysene-d12	10.582	240	993977	40.000	ug/ml	0.00
Standard Area 1 = 1011965			Recovery =	98.22%		
113) IS1_Perylene-d12	12.733	264	1109749	40.000	ug/ml	0.00
Standard Area 1 = 1150413			Recovery =	96.47%		
System Monitoring Compounds						
4) 2-Fluorophenol	2.932	112	249405	47.936	ug/ml	0.00
Spiked Amount 50.000	Range 15 - 110		Recovery =	95.87%		
7) Phenol-d6	3.731	99	286437	45.917	ug/ml	0.00
Spiked Amount 50.000	Range 15 - 110		Recovery =	91.83%		
19) Nitrobenzene-d5	4.489	82	266080	46.312	ug/ml	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	185.25%#		
46) 2-Fluorobiphenyl	6.064	172	696368	45.833	ug/ml	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	183.33%#		
79) 2,4,6-Tribromophenol	7.333	330	137800	48.388	ug/ml	0.00
Spiked Amount 50.000	Range 15 - 110		Recovery =	96.78%		
96) 4-Terphenyl-d14	9.389	244	1100387	46.905	ug/ml	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	187.62%#		
Target Compounds						
						Qvalue
2) n-Nitrosodimethylamine	1.839	74	152197	47.551	ug/ml#	92
3) Pyridine	1.863	79	271380	46.070	ug/ml#	68
5) Aniline	3.737	93	387879	46.568	ug/ml	91
6) 2-Chlorophenol	3.837	128	284760	47.530	ug/ml	98
8) Phenol	3.743	94	333466	47.005	ug/ml	90
9) Bis(2-chloroethyl)ether	3.808	93	222419M6	45.861	ug/ml	
10) 1,3-Dichlorobenzene	3.966	146	332181	46.418	ug/ml	94
11) 1,4-Dichlorobenzene	4.031	146	342592	47.809	ug/ml	95
12) 1,2-Dichlorobenzene	4.154	146	325334	46.666	ug/ml	94
13) Benzyl alcohol	4.143	79	207883	47.531	ug/ml	98
14) Bis(2-chloroisopropyl)...	4.266	45	349406	43.999	ug/ml#	84

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Buffy\201120ical\  
 Data File : ABNICV.D  
 Acq On : 21 Nov 2020 1:11 am  
 Operator : Buffy:als  
 Sample : CQICV1,32,,ABNICV Lot# 8900  
 Misc : WG1439209,,  
 ALS Vial : 21 Sample Multiplier: 1

Quant Time: Nov 24 15:32:23 2020  
 Quant Method : I:\8270\Buffy\201120ical\FS201120buffy.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Tue Nov 24 15:31:54 2020  
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Buffy\201120ical\ABNL7.D  
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
15) 2-Methylphenol	4.254	108	244155	47.639	ug/ml	99
16) Hexachloroethane	4.442	117	123806	45.383	ug/ml#	46
17) n-Nitrosodi-n-propylamine	4.378	70	173067	45.163	ug/ml#	92
18) 3-Methylphenol/4-Methy...	4.389	108	256863	47.779	ug/ml	94
20) Nitrobenzene	4.507	77	254786	46.197	ug/ml	94
21) Isophorone	4.718	82	487507	46.833	ug/ml	100
22) 2-Nitrophenol	4.783	139	142004	47.386	ug/ml	93
23) 2,4-Dimethylphenol	4.848	107	275096	47.990	ug/ml	97
24) Bis(2-chloroethoxy)met...	4.924	93	304985	45.113	ug/ml	98
25) 2,4-Dichlorophenol	4.995	162	256826	48.314	ug/ml#	93
26) 1,2,4-Trichlorobenzene	5.065	180	284425	46.407	ug/ml	98
36) Naphthalene	5.124	128	872784	46.884	ug/ml	99
37) Benzoic Acid	4.948	105	199383M1	44.796	ug/ml	
38) 4-Chloroaniline	5.183	65	96001	46.549	ug/ml	92
39) Hexachlorobutadiene	5.253	225	173254	46.495	ug/ml	100
40) p-Chloro-m-cresol	5.629	107	244559	48.009	ug/ml	94
41) 2-Methylnaphthalene	5.729	142	605453	46.708	ug/ml	93
42) 1-Methylnaphthalene	5.817	115	188485	46.332	ug/ml#	73
43) Hexachlorocyclopentadiene	5.882	237	229898	49.516	ug/ml	99
44) 2,4,6-Trichlorophenol	5.988	196	211873	52.025	ug/ml	99
45) 2,4,5-Trichlorophenol	6.017	196	212496	46.947	ug/ml	96
47) 2-Chloronaphthalene	6.152	162	590520	47.130	ug/ml	96
48) 2-Nitroaniline	6.252	138	198212	48.496	ug/ml	88
49) 1,4-Dinitrobenzene	6.375	168	84080	46.708	ug/ml	79
50) 1,3-Dinitrobenzene	6.446	168	96992	48.779	ug/ml#	74
51) Dimethyl phthalate	6.434	163	705744	45.776	ug/ml#	98
52) Acenaphthylene	6.510	152	1039420	47.875	ug/ml	98
53) 2,6-Dinitrotoluene	6.475	165	153473	49.495	ug/ml#	80
54) 1,2-Dinitrobenzene	6.516	168	59122	47.433	ug/ml	91
64) 3-Nitroaniline	6.616	138	182020	47.728	ug/ml	83
65) Acenaphthene	6.669	154	586797	44.082	ug/ml	93
66) 2,4-Dinitrophenol	6.710	184	86668	44.048	ug/ml#	84
67) Dibenzofuran	6.822	168	908139	46.595	ug/ml	92
68) 2,4-Dinitrotoluene	6.828	165	210185	47.967	ug/ml#	78
69) 4-Nitrophenol	6.781	65	116828	46.230	ug/ml	91
70) 2,3,5,6-Tetrachlorophenol	6.898	232	201790	49.286	ug/ml	99
71) 2,3,4,6-Tetrachlorophenol	6.939	232	200030	48.281	ug/ml	99
72) Diethyl phthalate	7.057	149	770520	45.208	ug/ml	98
73) Fluorene	7.122	166	738643	46.129	ug/ml	95
74) 4-Chlorophenyl phenyl ...	7.133	204	352610	45.522	ug/ml#	87

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Buffy\201120ical\  
 Data File : ABNICV.D  
 Acq On : 21 Nov 2020 1:11 am  
 Operator : Buffy:als  
 Sample : CQICV1,32,,ABNICV Lot# 8900  
 Misc : WG1439209,,  
 ALS Vial : 21 Sample Multiplier: 1

Quant Time: Nov 24 15:32:23 2020  
 Quant Method : I:\8270\Buffy\201120ical\FS201120buffy.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Tue Nov 24 15:31:54 2020  
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Buffy\201120ical\ABNL7.D  
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
75) 4-Nitroaniline	7.151	138	194910	50.418	ug/ml	91
76) 4,6-Dinitro-o-cresol	7.180	198	114141	47.065	ug/ml#	83
77) NDPA/DPA	7.239	169	642261	46.625	ug/ml	100
78) Azobenzene	7.268	77	611688	45.811	ug/ml#	87
80) 4-Bromophenyl phenyl e...	7.556	248	234130	47.279	ug/ml#	88
81) Hexachlorobenzene	7.603	284	278381	46.456	ug/ml#	82
82) Pentachlorophenol	7.780	266	169049	51.272	ug/ml	98
89) Phenanthrene	7.956	178	1152450	46.093	ug/ml	98
90) Anthracene	7.997	178	1182863	45.296	ug/ml	98
91) Carbazole	8.150	167	1102043	45.799	ug/ml	100
92) Di-n-butylphthalate	8.496	149	1365742	47.465	ug/ml#	97
93) Fluoranthene	8.996	202	1391939	46.089	ug/ml#	86
94) Benzidine	9.143	184	957577	50.178	ug/ml#	91
95) Pyrene	9.201	202	1432153	45.009	ug/ml	98
97) Butyl benzyl phthalate	9.954	149	631963	48.588	ug/ml#	77
105) Benzo(a)anthracene	10.570	228	1405361	44.077	ug/ml	99
106) 3,3'-Dichlorobenzidine	10.576	252	594854	49.972	ug/ml#	95
107) Chrysene	10.617	228	1414526	47.537	ug/ml	99
108) Bis(2-ethylhexyl)phtha...	10.753	149	1014474	52.424	ug/ml#	91
109) Di-n-octylphthalate	11.746	149	1707837	51.531	ug/ml#	95
110) Benzo(b)fluoranthene	12.139	252	1604713	49.701	ug/ml#	91
111) Benzo(k)fluoranthene	12.180	252	1433837	47.363	ug/ml#	93
112) Benzo(a)pyrene	12.639	252	1397272	51.012	ug/ml#	91
114) Indeno(1,2,3-cd)pyrene	14.425	276	1530350	50.204	ug/mL#	88
115) Dibenzo(a,h)anthracene	14.484	278	1552596	49.797	ug/ml#	89
116) Benzo(ghi)perylene	14.824	276	1605968	49.256	ug/ml#	73

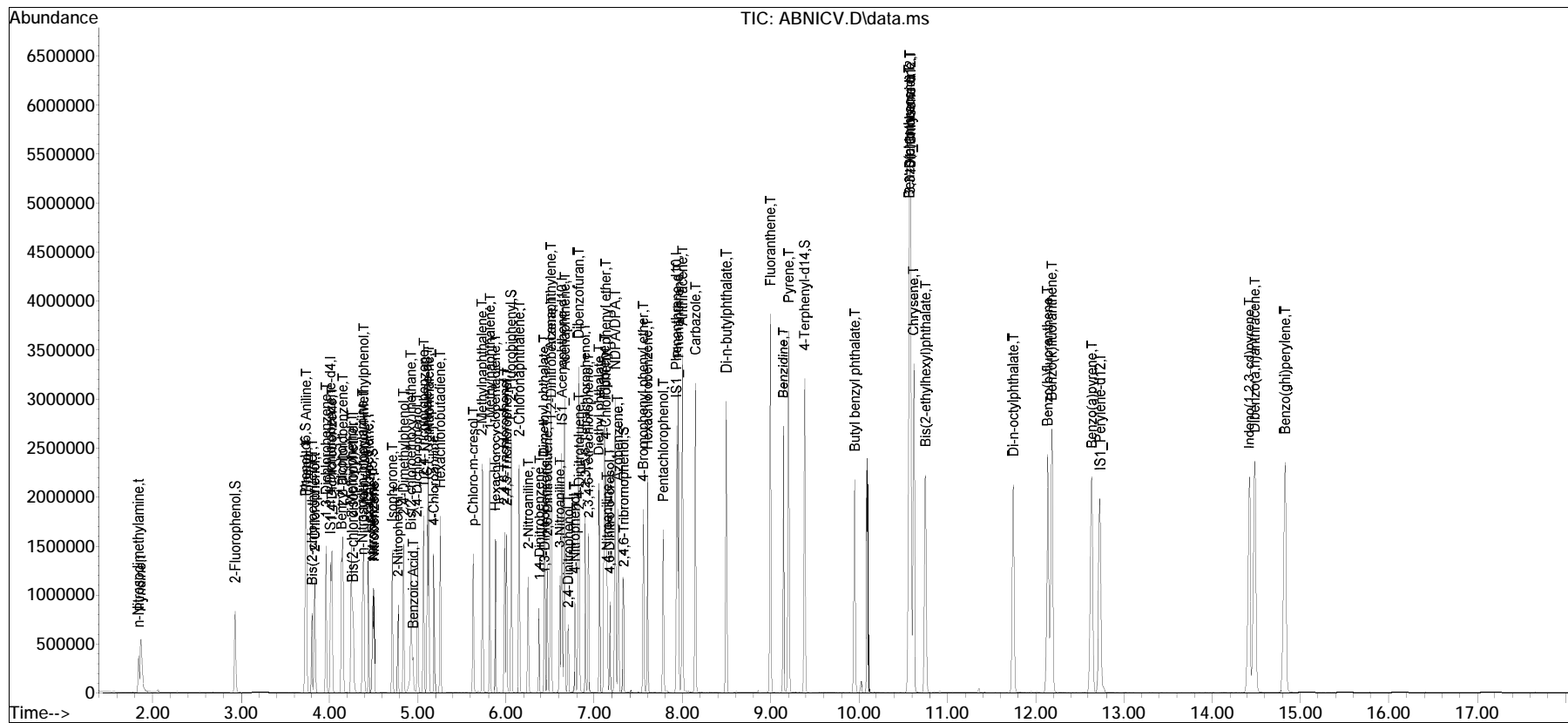
(#) = qualifier out of range (m) = manual integration (+) = signals summed

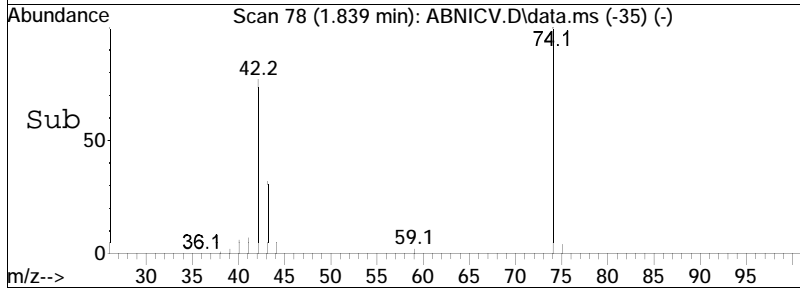
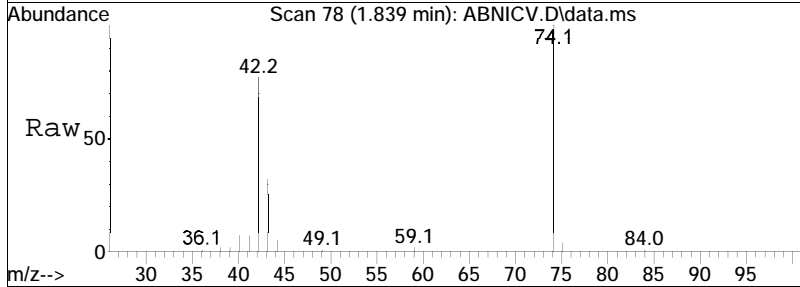
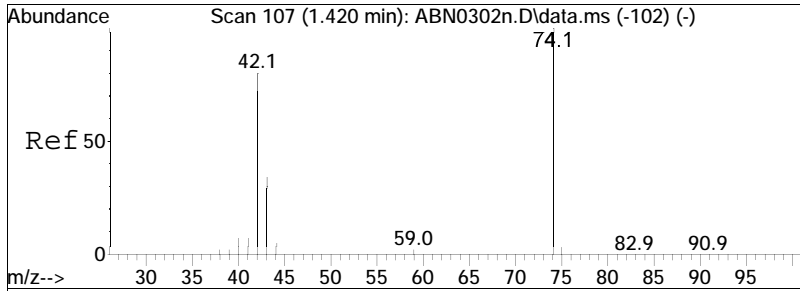
Quantitation Report (QT Reviewed)

Data Path : I:\8270\Buffy\201120ical\  
 Data File : ABNICV.D  
 Acq On : 21 Nov 2020 1:11 am  
 Operator : Buffy:als  
 Sample : CQICV1,32,,ABNICV Lot# 8900  
 Misc : WG1439209,,  
 ALS Vial : 21 Sample Multiplier: 1

Quant Time: Nov 24 15:32:23 2020  
 Quant Method : I:\8270\Buffy\201120ical\FS201120buffy.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Tue Nov 24 15:31:54 2020  
 Response via : Initial Calibration

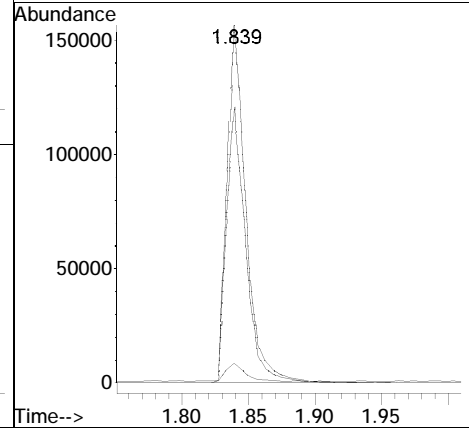
Sub List : ABNical - ABN ical sublistal\ABNL7.D•

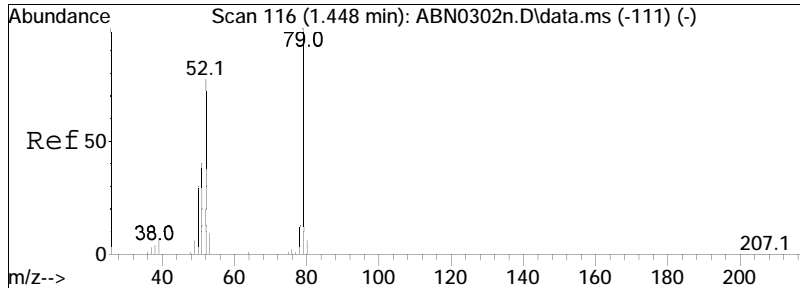




#2  
 n-Nitrosodimethylamine  
 Concen: 47.55 ug/ml  
 RT: 1.839 min Scan# 78  
 Delta R.T. -0.000 min  
 Lab File: ABNICV.D  
 Acq: 21 Nov 2020 1:11 am

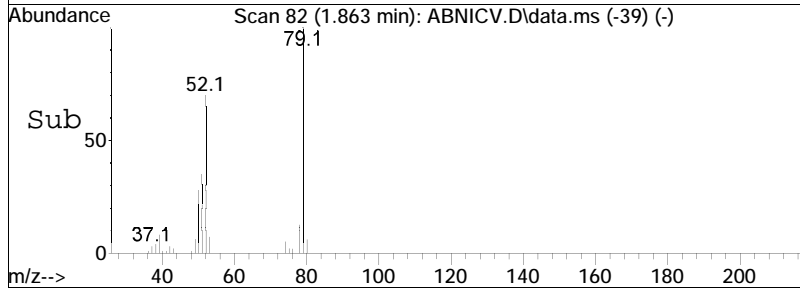
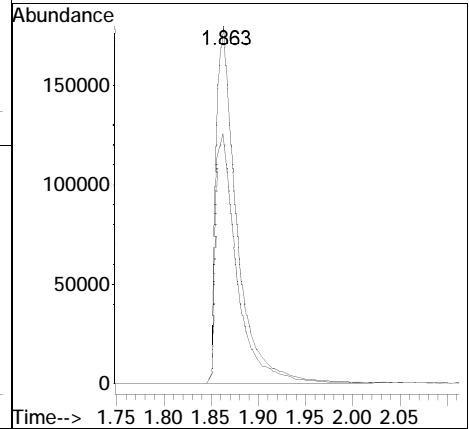
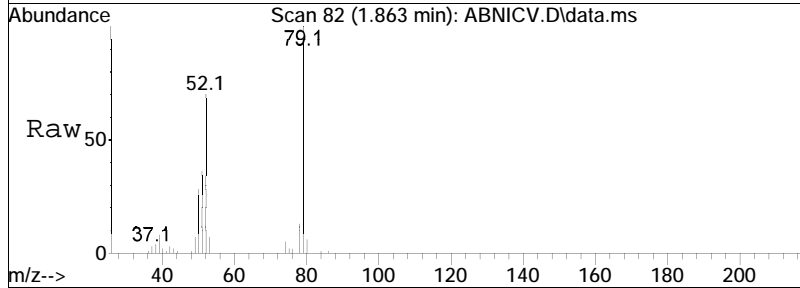
Tgt Ion	Ratio	Lower	Upper
74	100		
42	78.8	57.8	86.6
44	5.0	3.2	4.8#



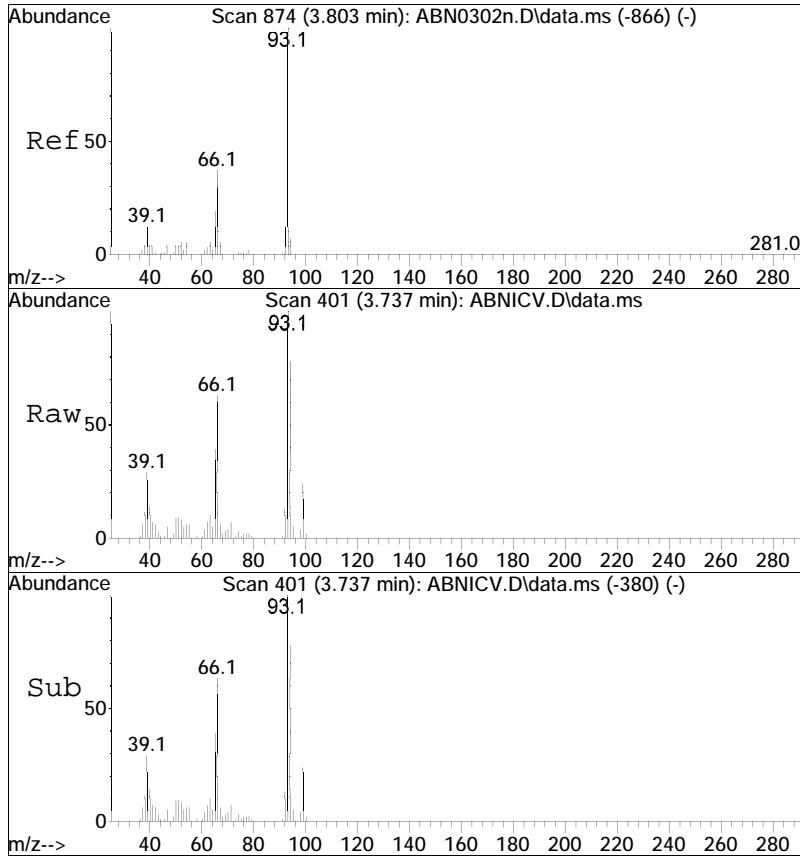


#3  
 Pyridine  
 Concen: 46.07 ug/ml  
 RT: 1.863 min Scan# 82  
 Delta R.T. -0.000 min  
 Lab File: ABNICV.D  
 Acq: 21 Nov 2020 1:11 am

Tgt Ion:	79	Resp:	271380
Ion Ratio	Lower	Upper	
79	100		
52	72.3	40.4	60.6#

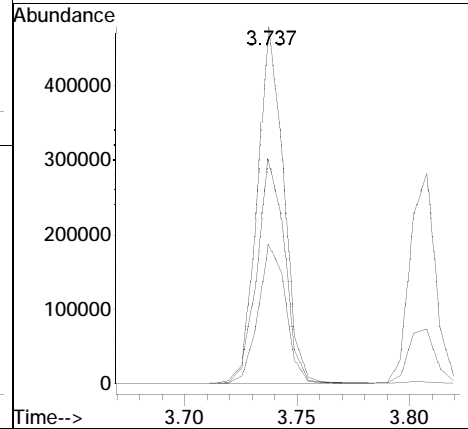


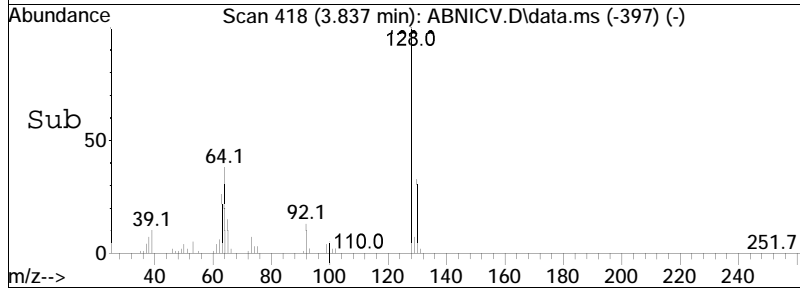
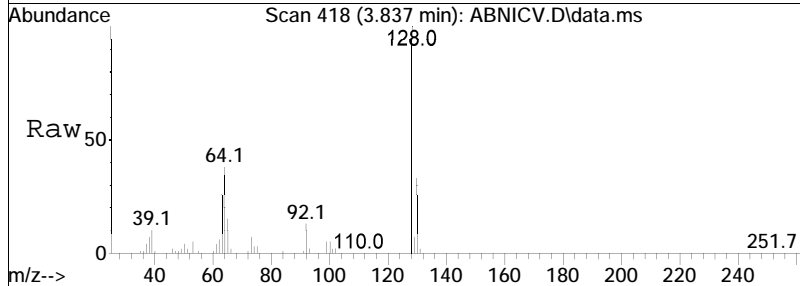
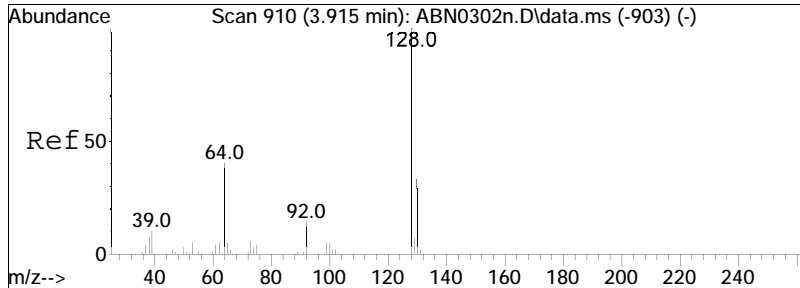




#5  
 Aniline  
 Concen: 46.57 ug/ml  
 RT: 3.737 min Scan# 401  
 Delta R.T. -0.000 min  
 Lab File: ABNICV.D  
 Acq: 21 Nov 2020 1:11 am

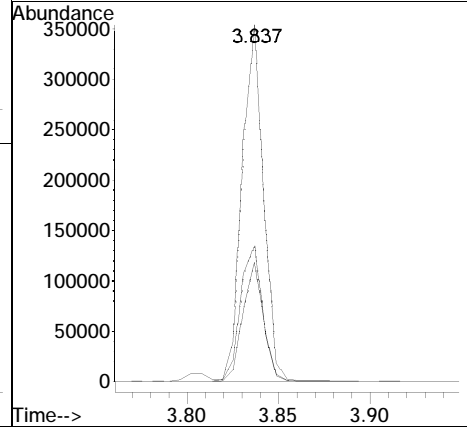
Tgt Ion	Resp	Lower	Upper
93	387879		
93	100		
66	66.8	47.2	70.8
65	40.9	29.7	44.5

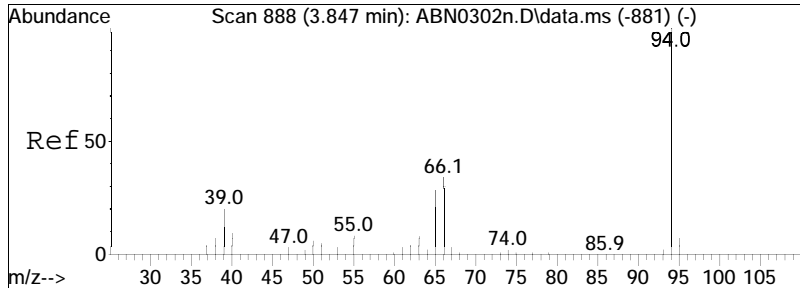




#6  
 2-Chlorophenol  
 Concen: 47.53 ug/ml  
 RT: 3.837 min Scan# 418  
 Delta R.T. -0.000 min  
 Lab File: ABNICV.D  
 Acq: 21 Nov 2020 1:11 am

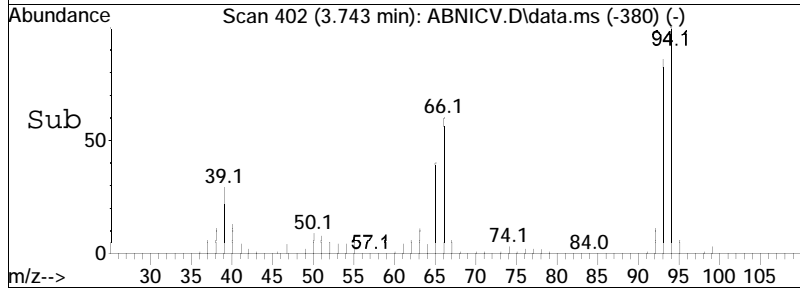
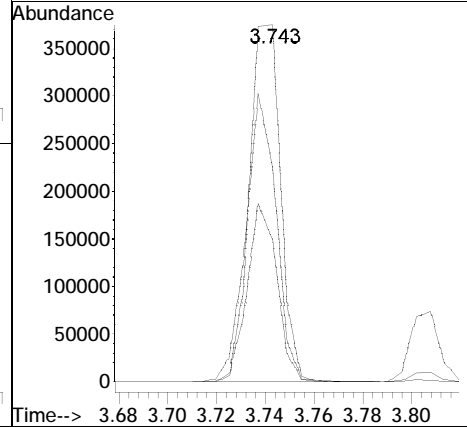
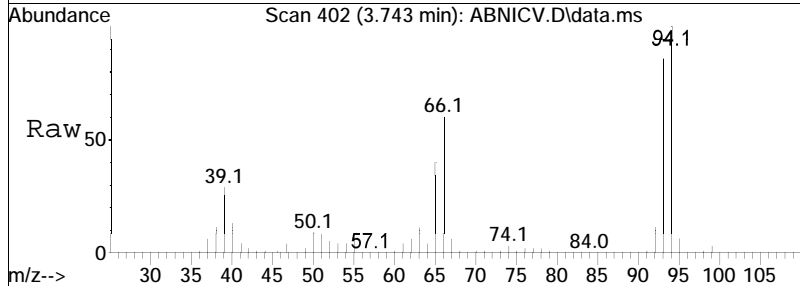
Tgt Ion	Ratio	Lower	Upper
128	100		
64	39.4	32.7	49.1
130	32.5	26.4	39.6

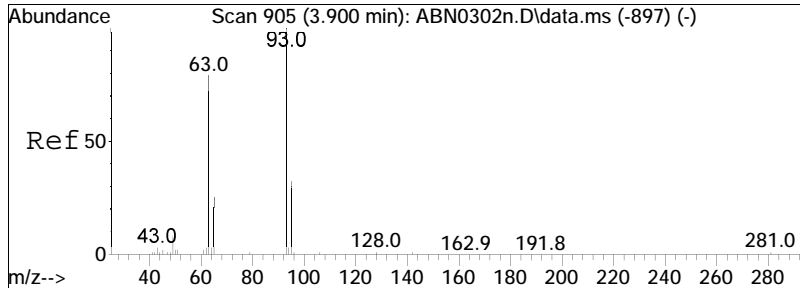




#8  
 Phenol  
 Concen: 47.01 ug/ml  
 RT: 3.743 min Scan# 402  
 Delta R.T. 0.006 min  
 Lab File: ABNICV.D  
 Acq: 21 Nov 2020 1:11 am

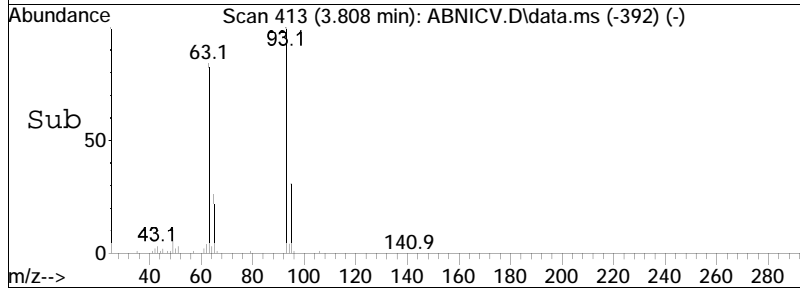
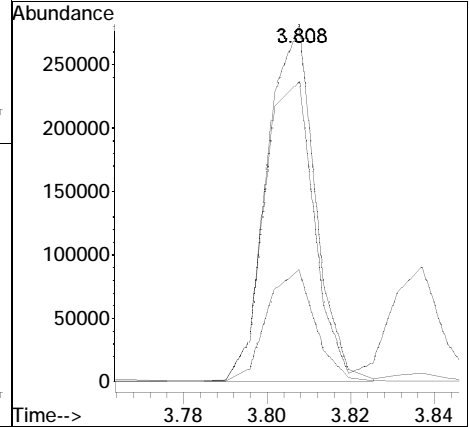
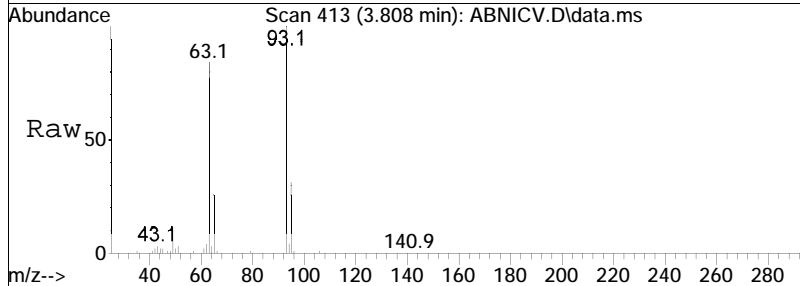
Tgt Ion:	94	Resp:	333466
Ion Ratio	Lower	Upper	
94	100		
65	47.6	34.2	51.4
66	77.7	54.4	81.6

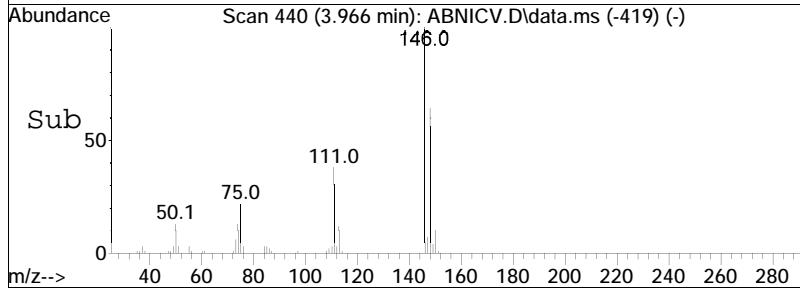
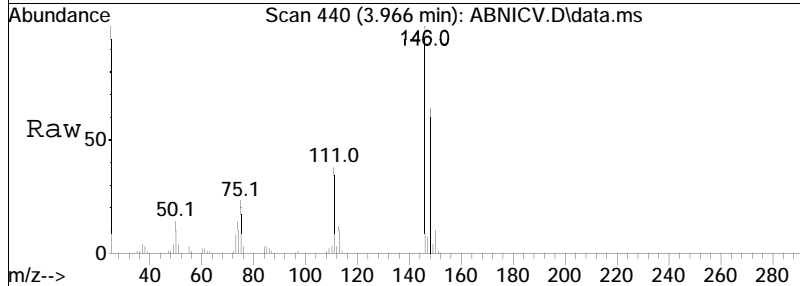
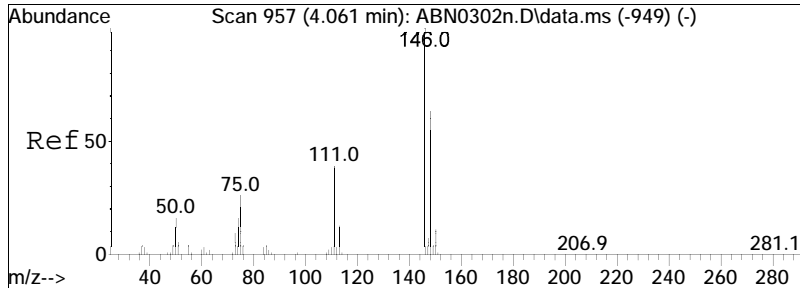




#9  
 Bis(2-chloroethyl)ether  
 Concen: 45.86 ug/ml M6  
 RT: 3.808 min Scan# 413  
 Delta R.T. -0.000 min  
 Lab File: ABNICV.D  
 Acq: 21 Nov 2020 1:11 am

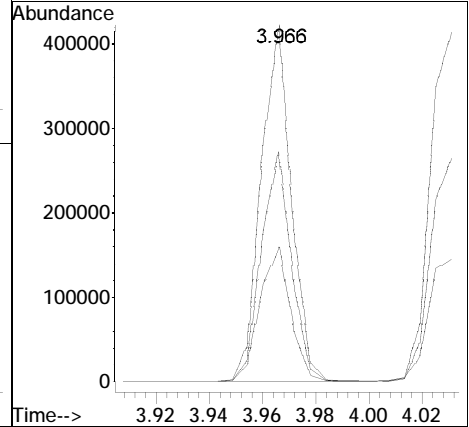
Tgt Ion	Resp	Lower	Upper
93	100		
63	87.9	51.7	77.5#
95	31.7	26.1	39.1

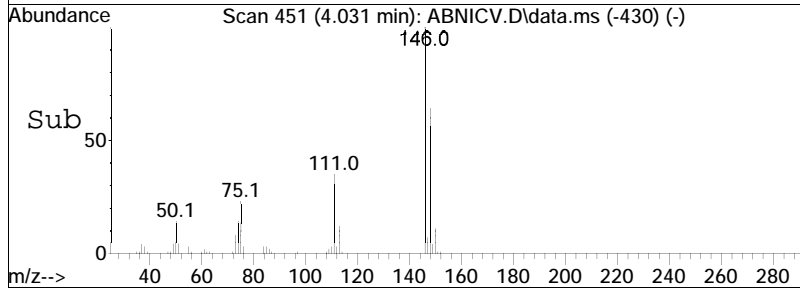
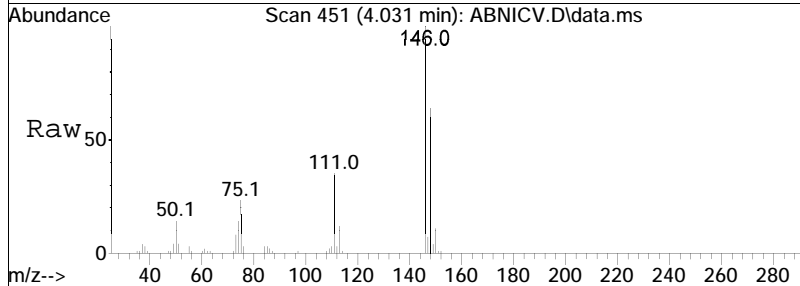
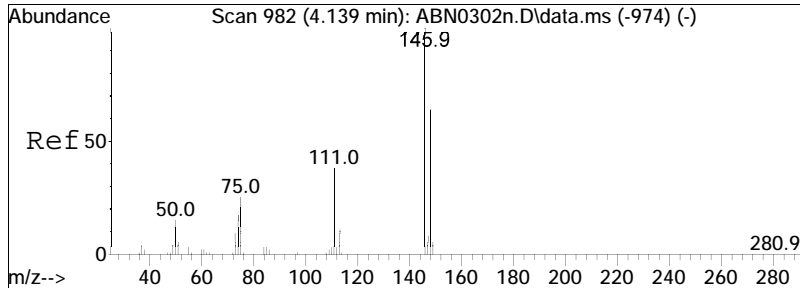




#10  
 1,3-Dichlorobenzene  
 Concen: 46.42 ug/ml  
 RT: 3.966 min Scan# 440  
 Delta R.T. -0.000 min  
 Lab File: ABNICV.D  
 Acq: 21 Nov 2020 1:11 am

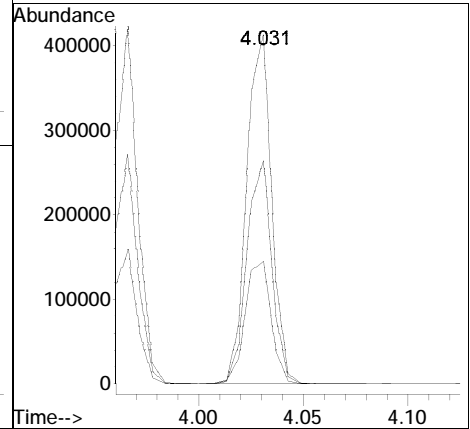
Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.5	36.0	54.0
148	64.1	49.8	74.6

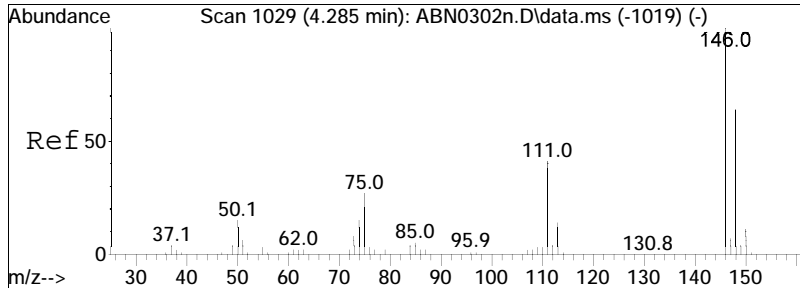




#11  
 1,4-Dichlorobenzene  
 Concen: 47.81 ug/ml  
 RT: 4.031 min Scan# 451  
 Delta R.T. -0.000 min  
 Lab File: ABNICV.D  
 Acq: 21 Nov 2020 1:11 am

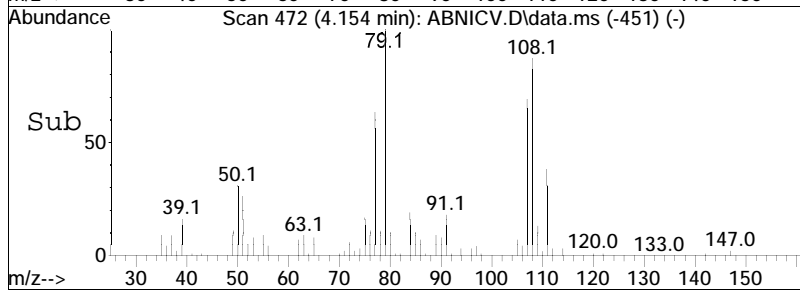
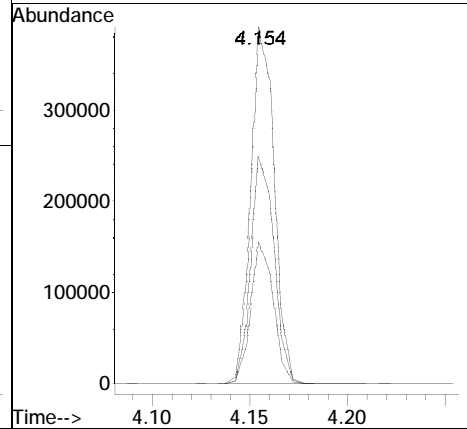
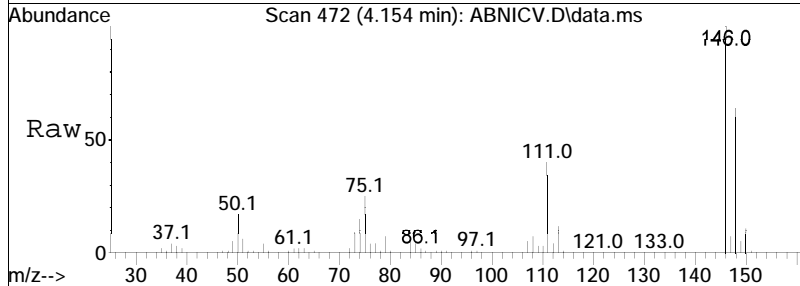
Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.9	50.7	76.1
111	36.9	35.8	53.6

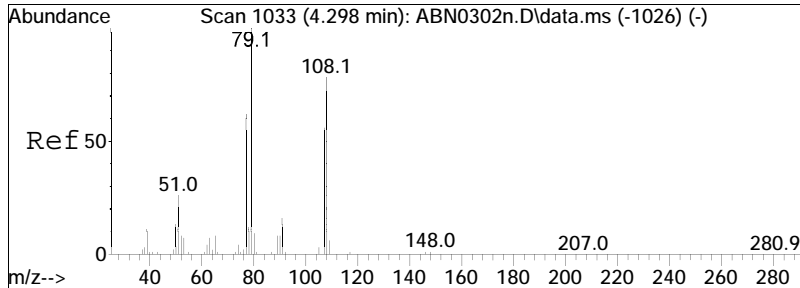




#12  
 1,2-Dichlorobenzene  
 Concen: 46.67 ug/ml  
 RT: 4.154 min Scan# 472  
 Delta R.T. -0.000 min  
 Lab File: ABNICV.D  
 Acq: 21 Nov 2020 1:11 am

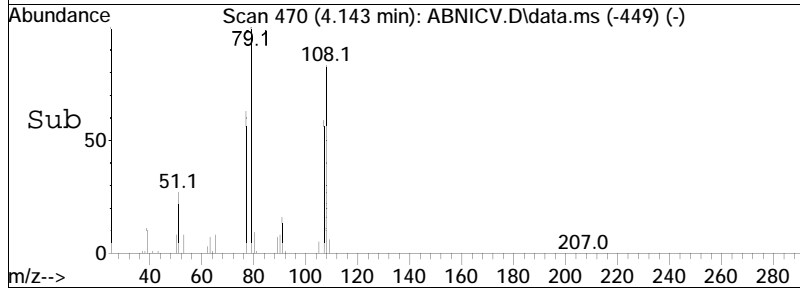
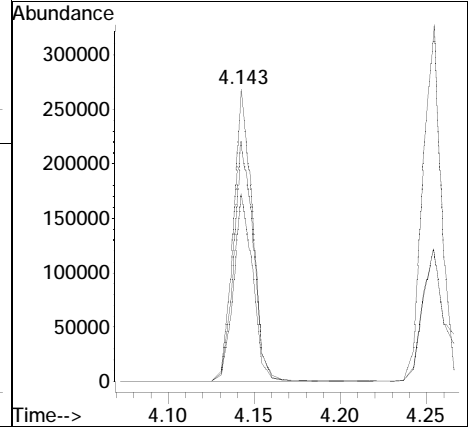
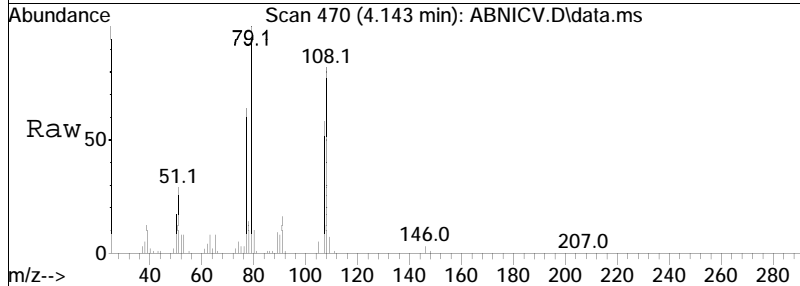
Tgt Ion	Resp	Lower	Upper
146	100		
111	38.5	37.6	56.4
148	63.1	51.2	76.8



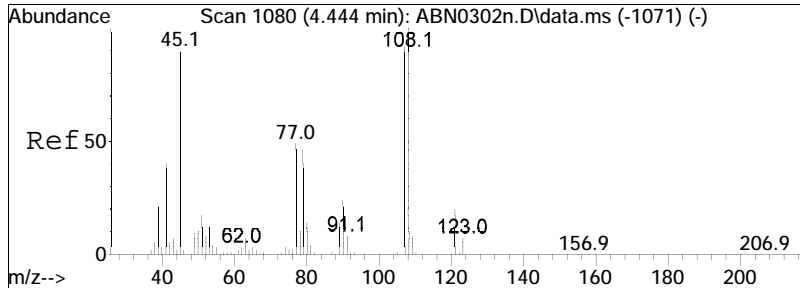


#13  
 Benzyl alcohol  
 Concen: 47.53 ug/ml  
 RT: 4.143 min Scan# 470  
 Delta R.T. -0.000 min  
 Lab File: ABNICV.D  
 Acq: 21 Nov 2020 1:11 am

Tgt Ion	Resp	Lower	Upper
79	207883		
79	100		
77	64.2	53.8	80.8
108	84.5	67.3	100.9

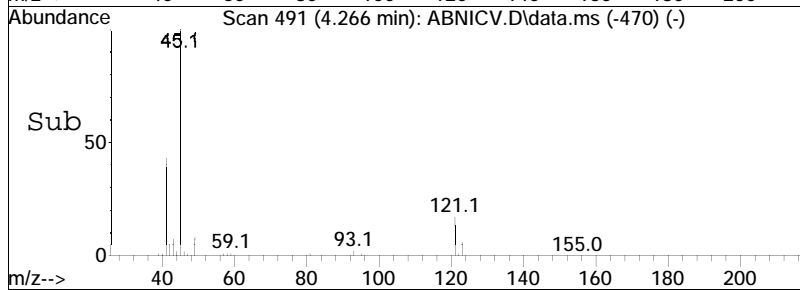
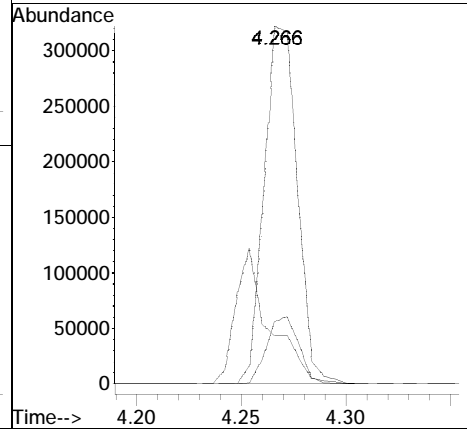
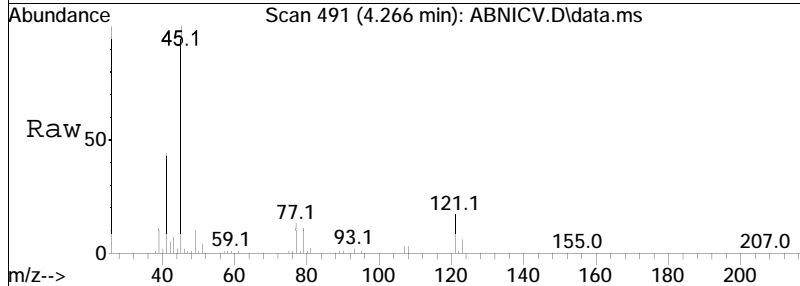


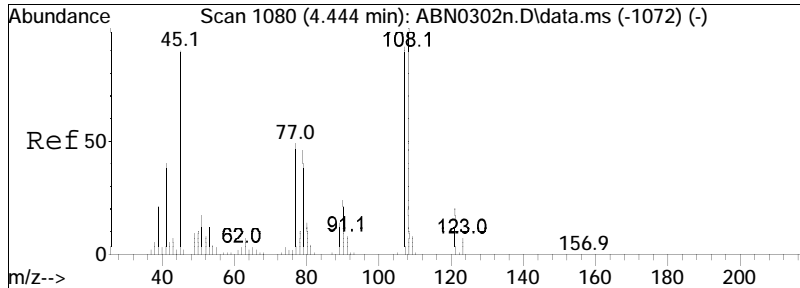




#14  
 Bis(2-chloroisopropyl)ether  
 Concen: 44.00 ug/ml  
 RT: 4.266 min Scan# 491  
 Delta R.T. -0.000 min  
 Lab File: ABNICV.D  
 Acq: 21 Nov 2020 1:11 am

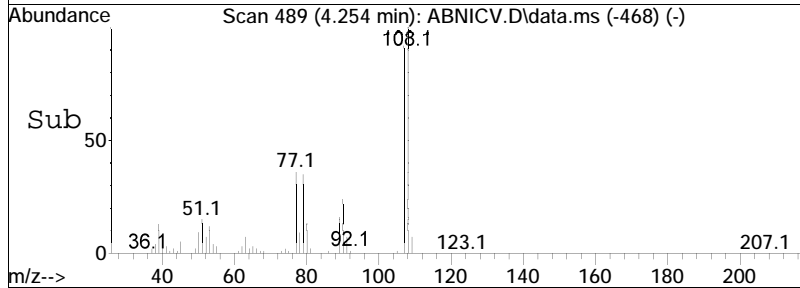
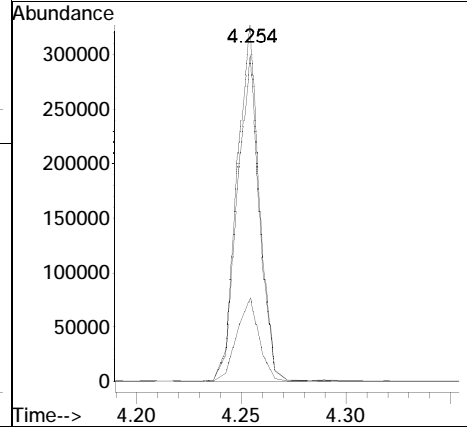
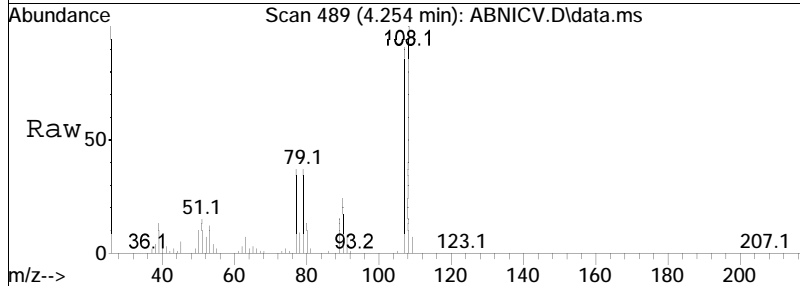
Tgt Ion:	45	Resp:	349406
Ion Ratio	Lower	Upper	
45	100		
121	18.4	21.0	31.6#
77	39.4	40.4	60.6#

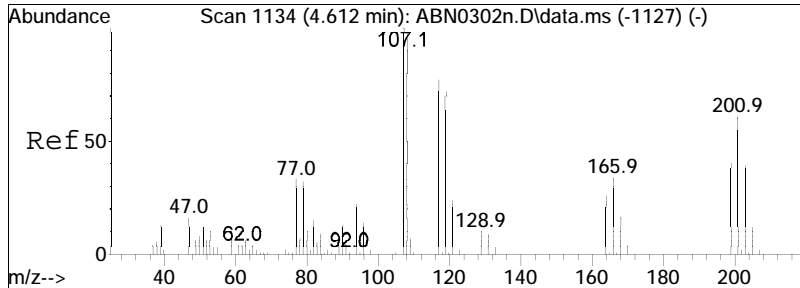




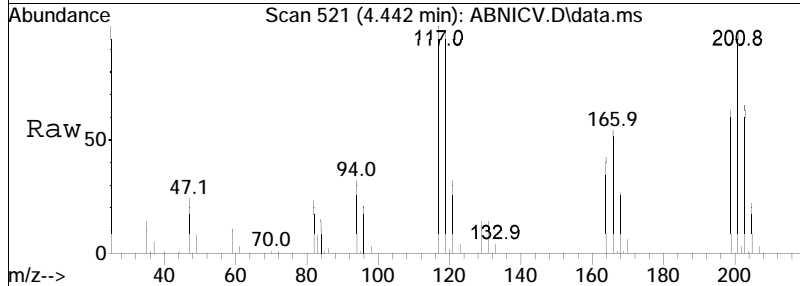
#15  
 2-Methylphenol  
 Concen: 47.64 ug/ml  
 RT: 4.254 min Scan# 489  
 Delta R.T. -0.000 min  
 Lab File: ABNICV.D  
 Acq: 21 Nov 2020 1:11 am

Tgt Ion	Ratio	Lower	Upper
108	100		
107	90.2	71.6	107.4
90	23.4	18.8	28.2

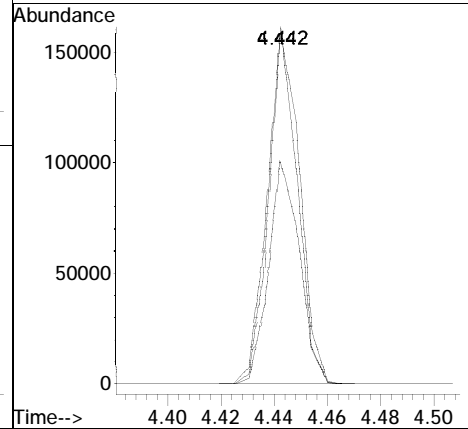
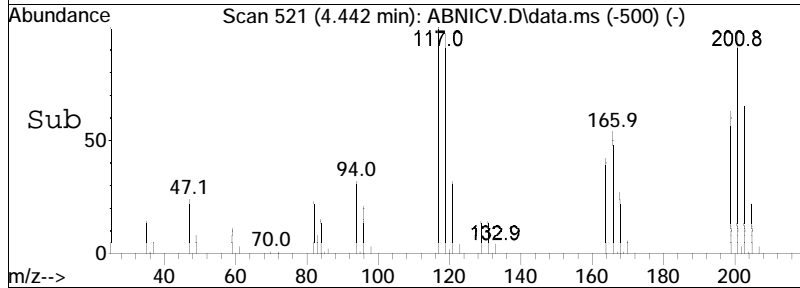


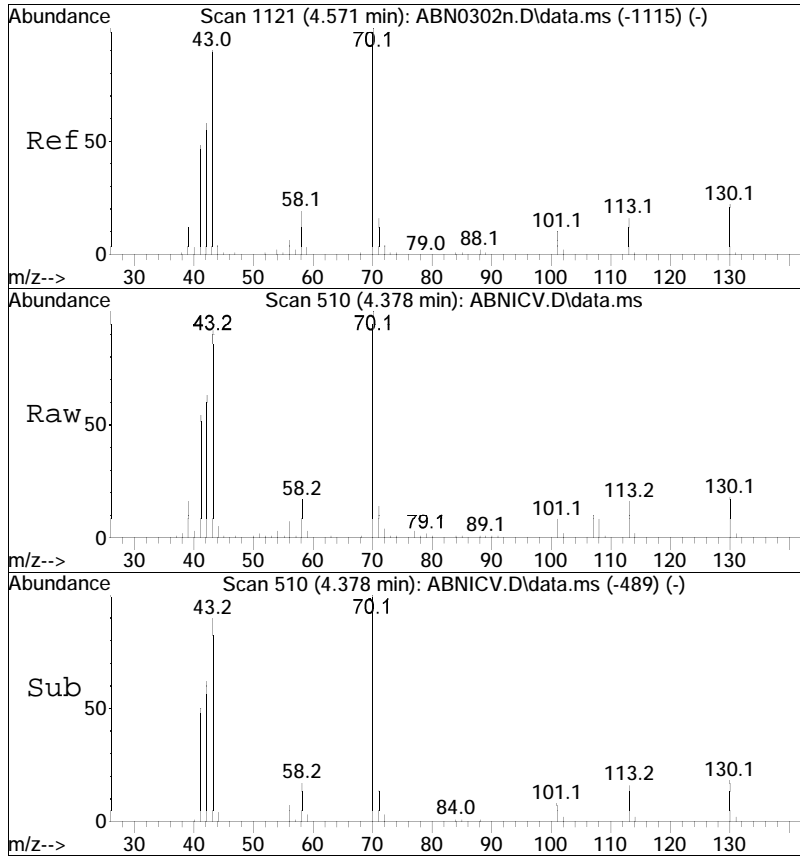


#16  
 Hexachloroethane  
 Concen: 45.38 ug/ml  
 RT: 4.442 min Scan# 521  
 Delta R.T. -0.000 min  
 Lab File: ABNICV.D  
 Acq: 21 Nov 2020 1:11 am



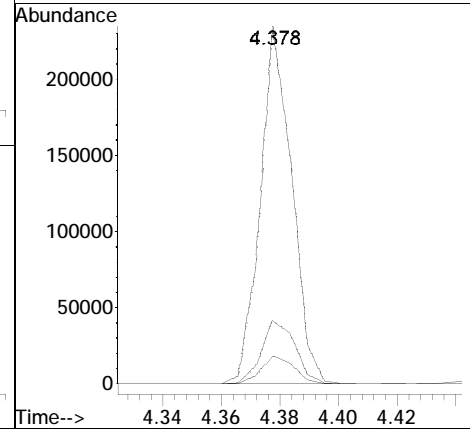
Tgt Ion	Resp	Lower	Upper
117	100		
201	102.8	47.2	70.8#
199	64.9	29.8	44.6#

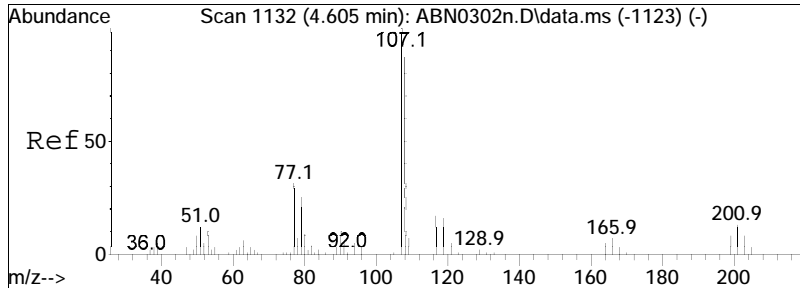




#17  
 n-Nitrosodi-n-propylamine  
 Concen: 45.16 ug/ml  
 RT: 4.378 min Scan# 510  
 Delta R.T. -0.000 min  
 Lab File: ABNICV.D  
 Acq: 21 Nov 2020 1:11 am

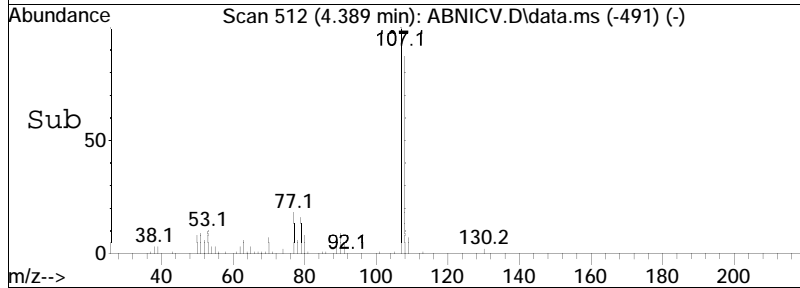
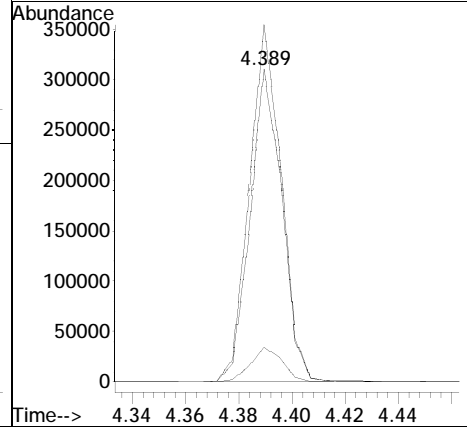
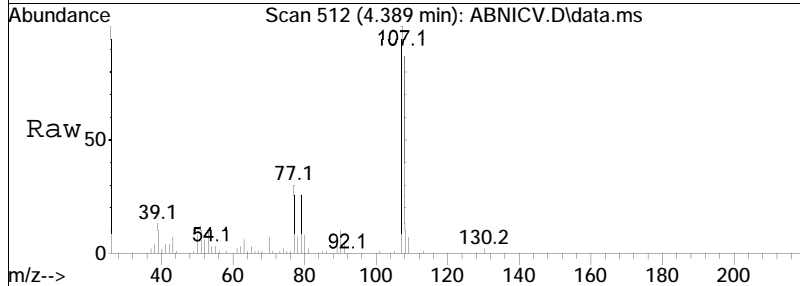
Tgt Ion:	Resp:		
Ion	Ratio	Lower	Upper
70	100		
130	19.1	18.7	28.1
101	8.2	8.4	12.6#

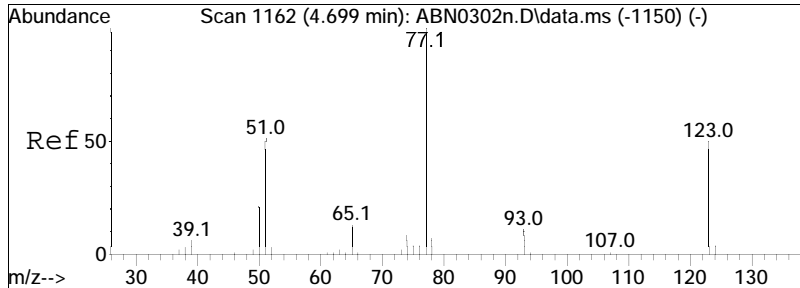




#18  
 3-Methylphenol/4-Methylphenol  
 Concen: 47.78 ug/ml  
 RT: 4.389 min Scan# 512  
 Delta R.T. -0.000 min  
 Lab File: ABNICV.D  
 Acq: 21 Nov 2020 1:11 am

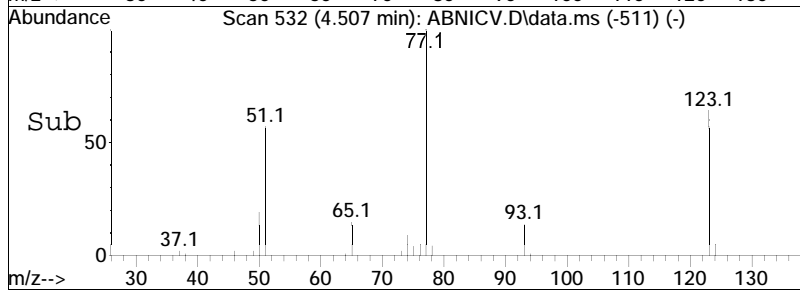
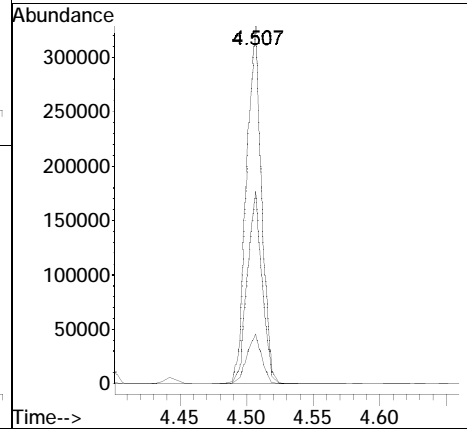
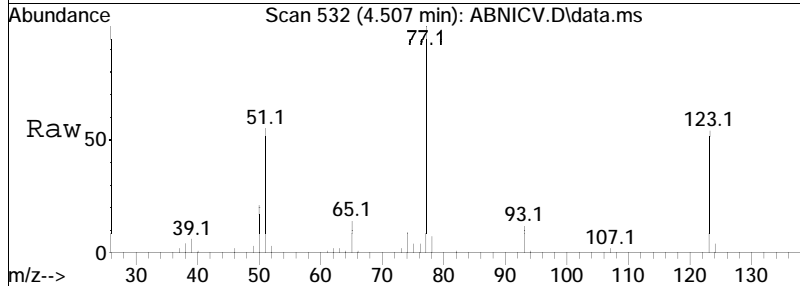
Tgt Ion	Resp	Lower	Upper
108	256863		
108	100		
107	115.1	87.0	130.6
90	11.0	8.4	12.6

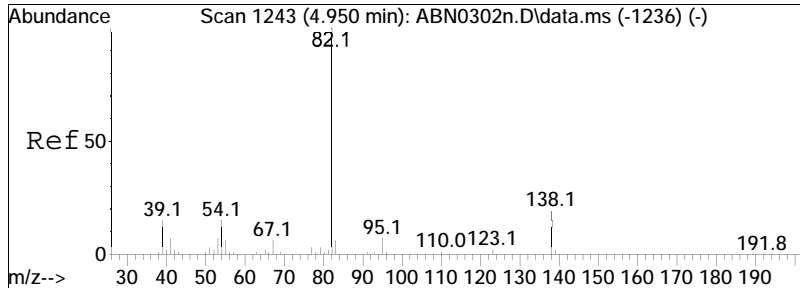




#20  
 Nitrobenzene  
 Concen: 46.20 ug/ml  
 RT: 4.507 min Scan# 532  
 Delta R.T. -0.000 min  
 Lab File: ABNICV.D  
 Acq: 21 Nov 2020 1:11 am

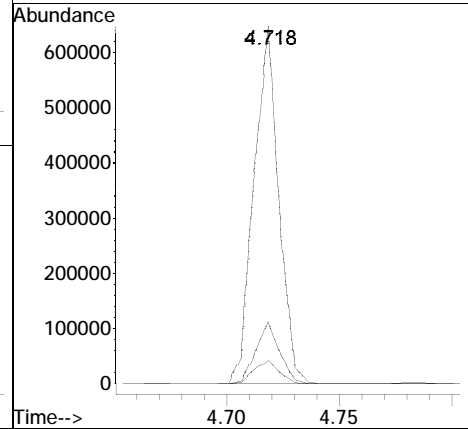
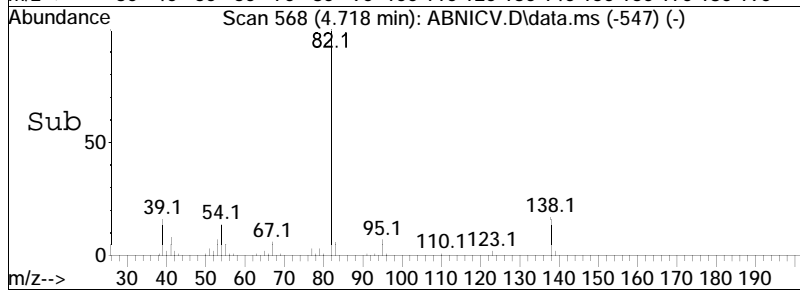
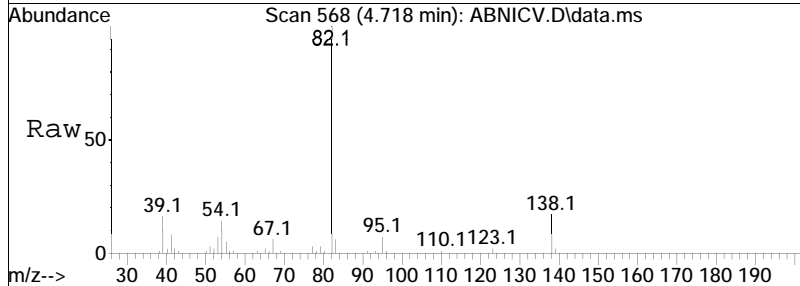
Tgt Ion:	Resp:		
Ion	Ratio	Lower	Upper
77	100		
123	52.4	38.3	57.5
65	14.0	10.3	15.5

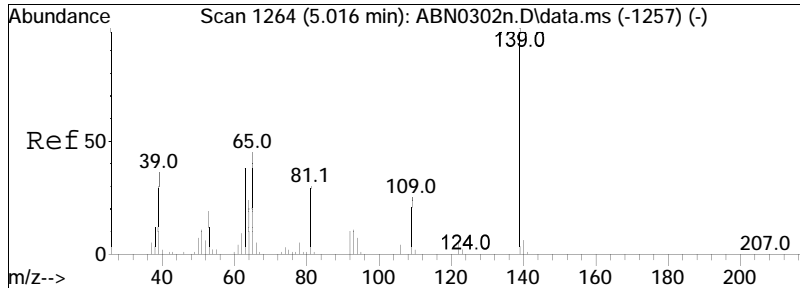




#21  
 Isophorone  
 Concen: 46.83 ug/ml  
 RT: 4.718 min Scan# 568  
 Delta R.T. -0.000 min  
 Lab File: ABNICV.D  
 Acq: 21 Nov 2020 1:11 am

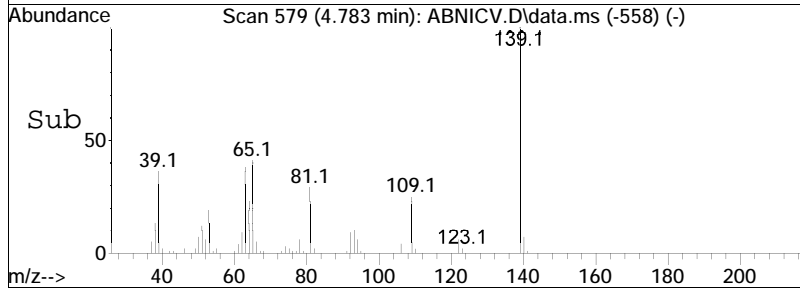
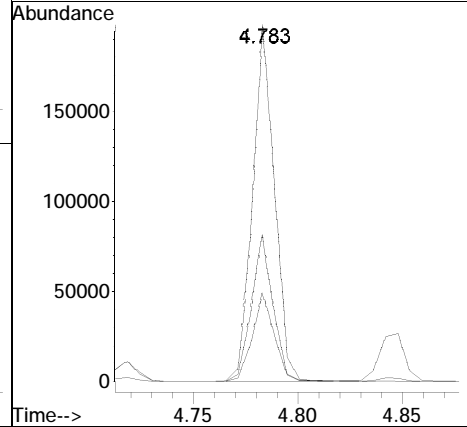
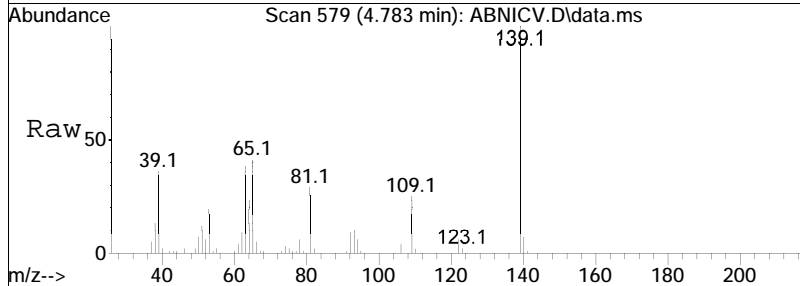
Tgt Ion:	82	138	95	Resp:	487507	Lower	Upper
Ion Ratio	100	16.6	6.7			13.3	19.9



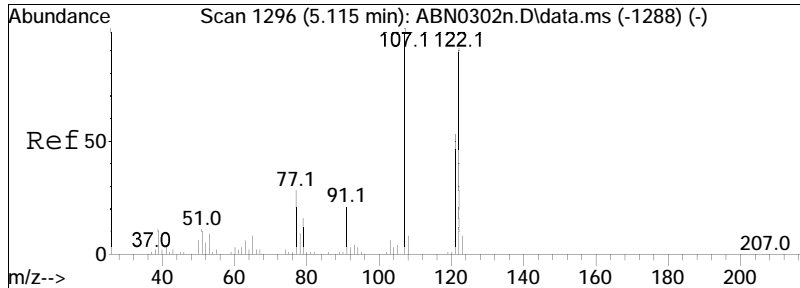


#22  
 2-Nitrophenol  
 Concen: 47.39 ug/ml  
 RT: 4.783 min Scan# 579  
 Delta R.T. 0.000 min  
 Lab File: ABNICV.D  
 Acq: 21 Nov 2020 1:11 am

Tgt Ion	Ratio	Lower	Upper
139	100		
109	24.9	20.1	30.1
65	40.7	37.8	56.8

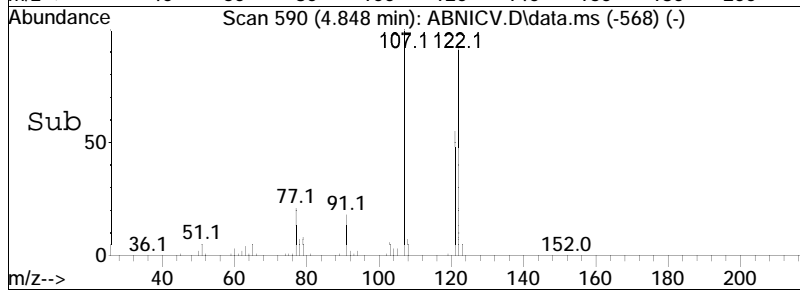
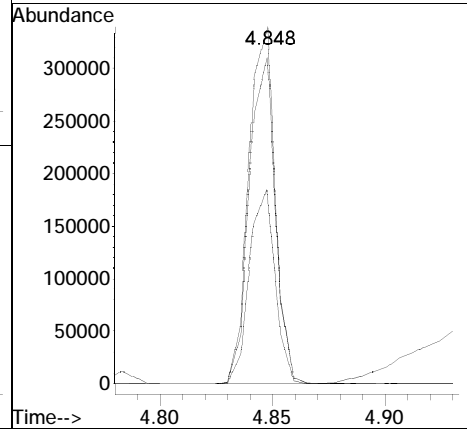
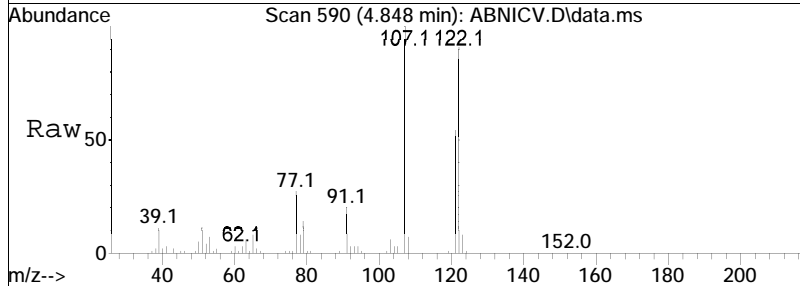


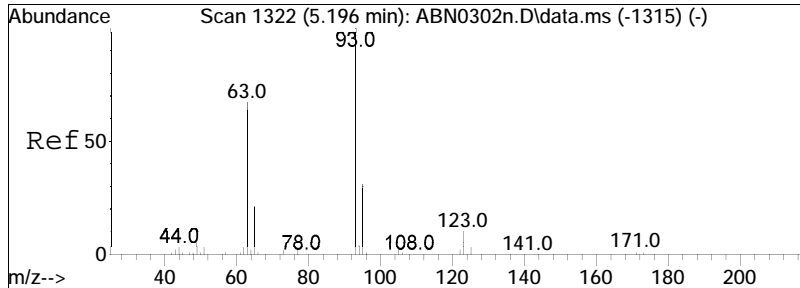




#23  
 2,4-Dimethylphenol  
 Concen: 47.99 ug/ml  
 RT: 4.848 min Scan# 590  
 Delta R.T. 0.006 min  
 Lab File: ABNICV.D  
 Acq: 21 Nov 2020 1:11 am

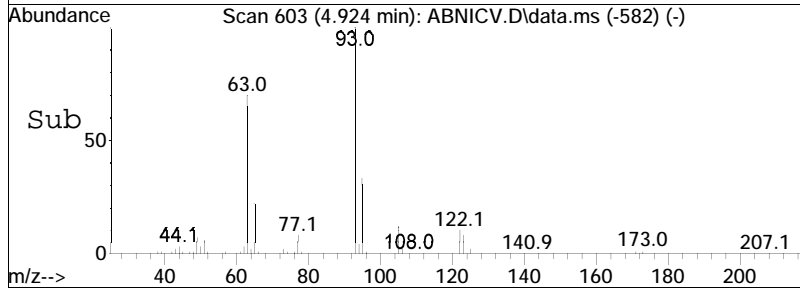
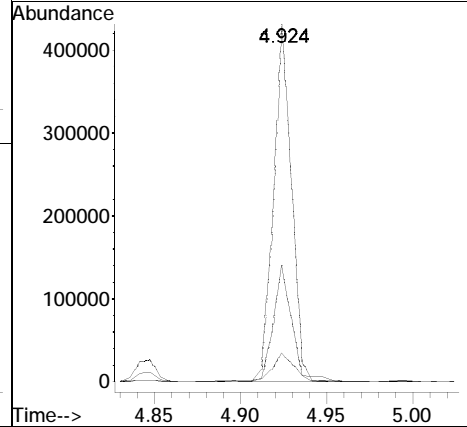
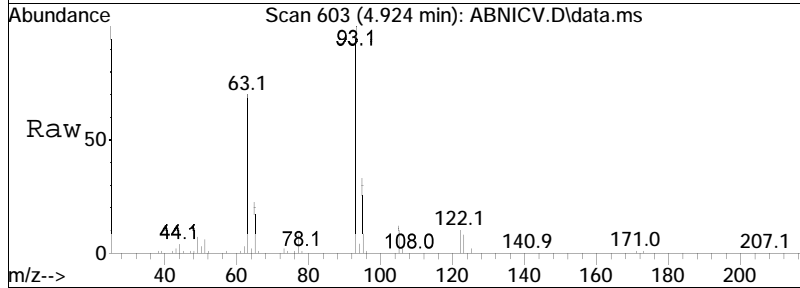
Tgt Ion	Resp	Lower	Upper
107	100		
121	53.5	40.2	60.4
122	90.3	70.2	105.4

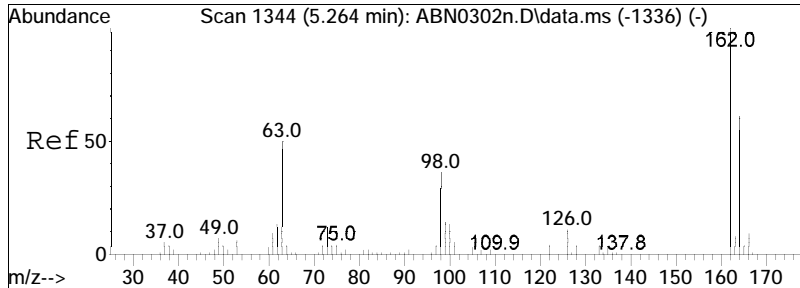




#24  
 Bis(2-chloroethoxy)methane  
 Concen: 45.11 ug/ml  
 RT: 4.924 min Scan# 603  
 Delta R.T. 0.000 min  
 Lab File: ABNICV.D  
 Acq: 21 Nov 2020 1:11 am

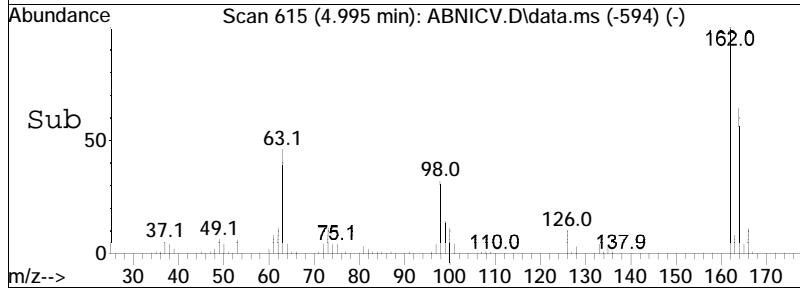
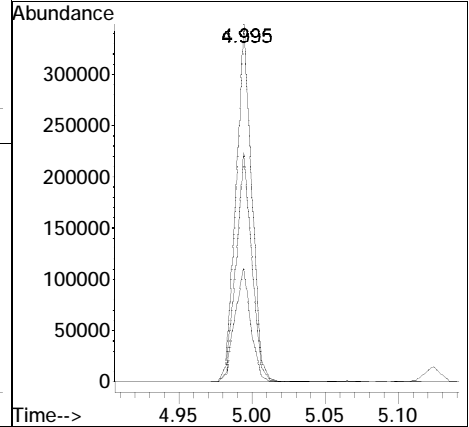
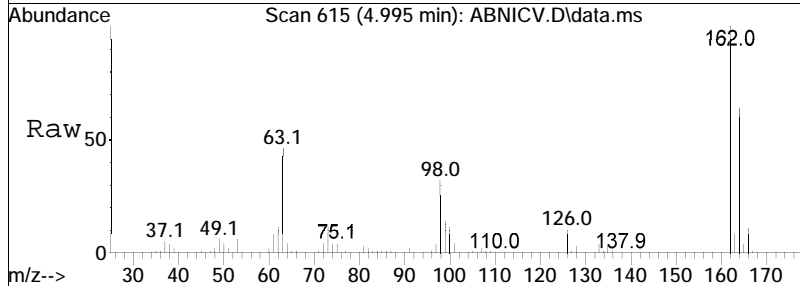
Tgt Ion	Resp	Lower	Upper
93	304985		
93	100		
95	32.4	26.3	39.5
123	11.9	11.4	17.0

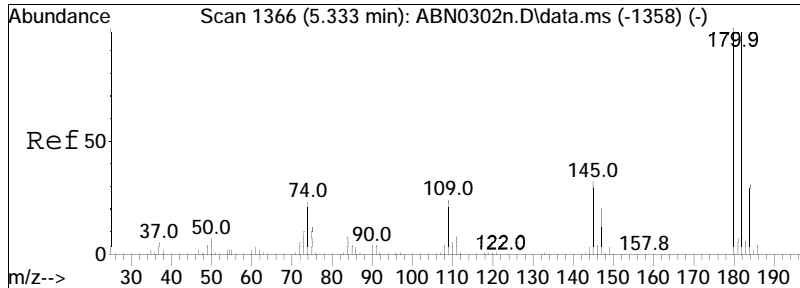




#25  
 2,4-Dichlorophenol  
 Concen: 48.31 ug/ml  
 RT: 4.995 min Scan# 615  
 Delta R.T. -0.000 min  
 Lab File: ABNICV.D  
 Acq: 21 Nov 2020 1:11 am

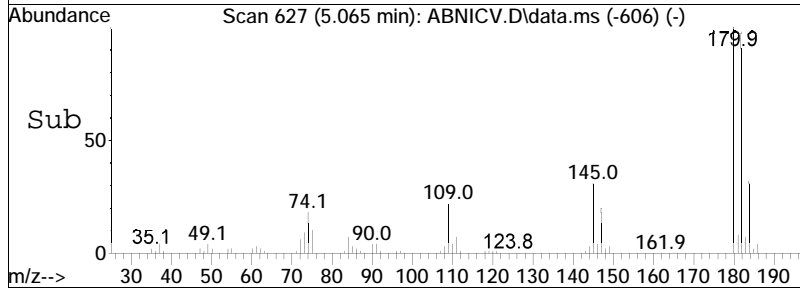
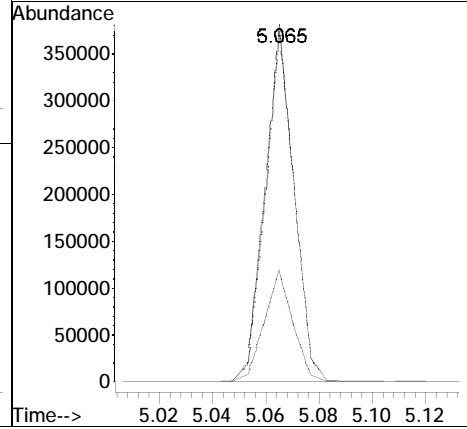
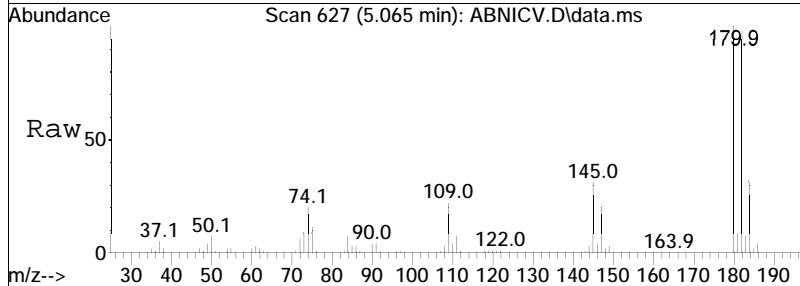
Tgt Ion	Resp	Lower	Upper
162	100		
164	63.8	51.2	76.8
98	32.3	34.6	52.0#

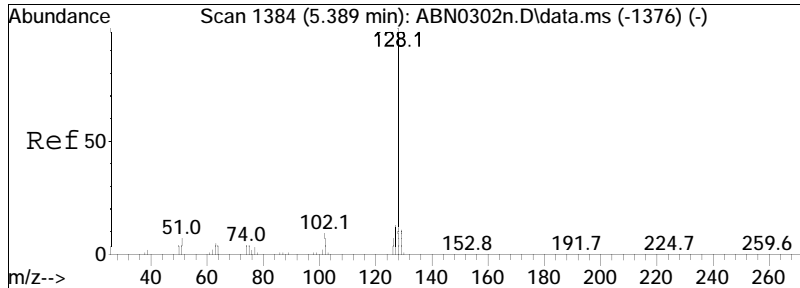




#26  
 1,2,4-Trichlorobenzene  
 Concen: 46.41 ug/ml  
 RT: 5.065 min Scan# 627  
 Delta R.T. -0.000 min  
 Lab File: ABNICV.D  
 Acq: 21 Nov 2020 1:11 am

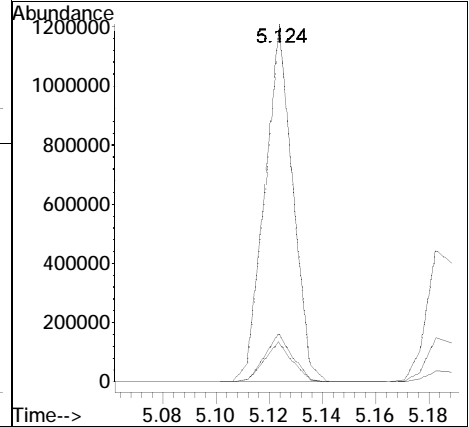
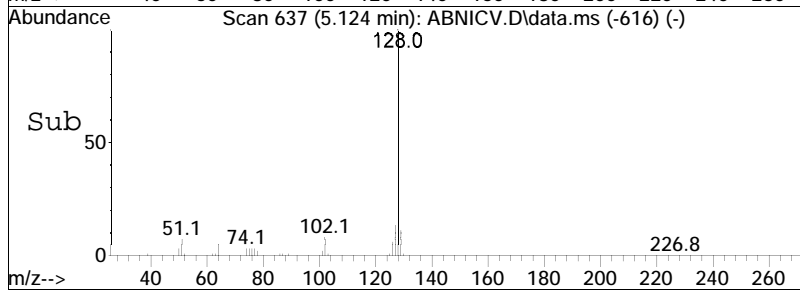
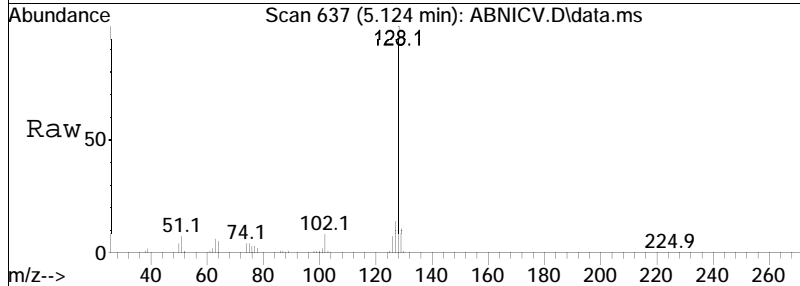
Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.3	76.6	115.0
145	30.9	26.3	39.5

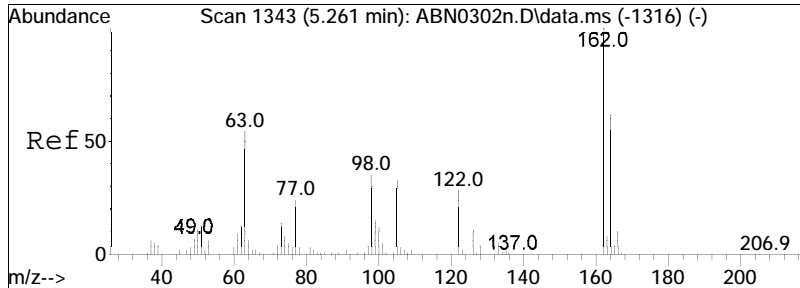




#36  
 Naphthalene  
 Concen: 46.88 ug/ml  
 RT: 5.124 min Scan# 637  
 Delta R.T. -0.000 min  
 Lab File: ABNICV.D  
 Acq: 21 Nov 2020 1:11 am

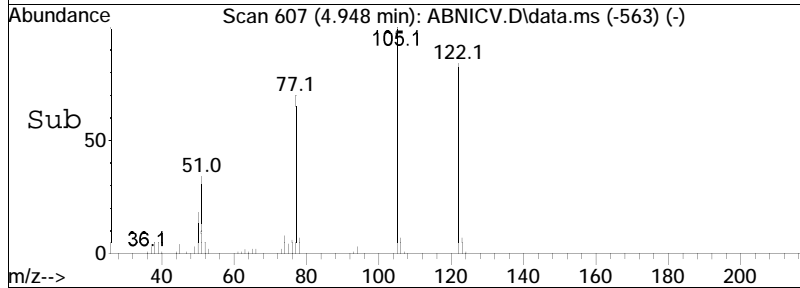
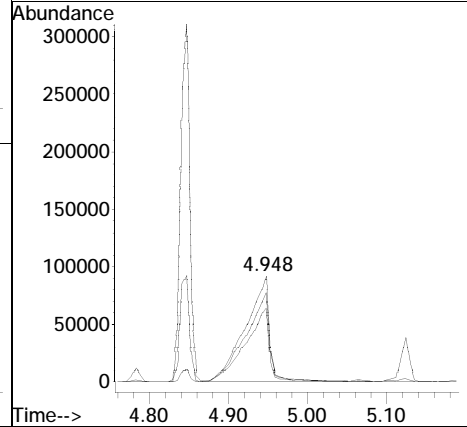
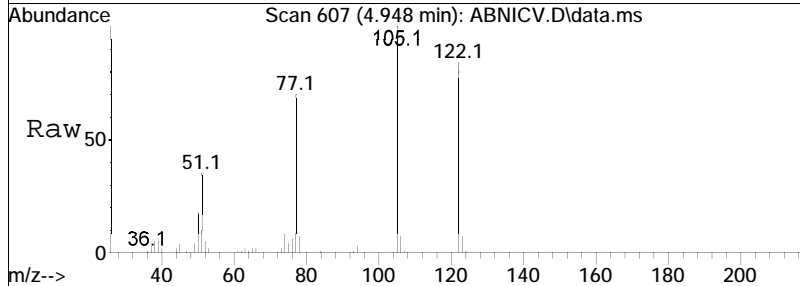
Tgt Ion	Ratio	Resp	Lower	Upper
128	100	872784		
129	11.2		9.0	13.6
127	13.5		11.3	16.9

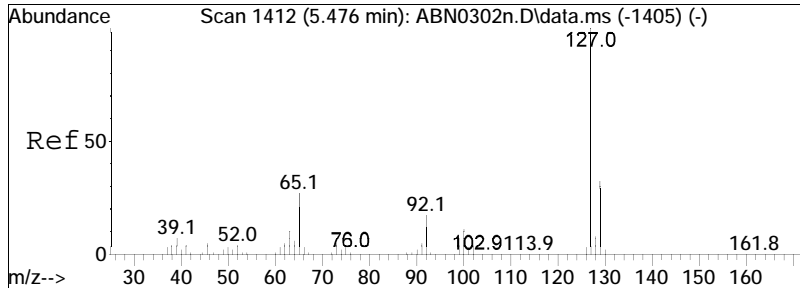




#37  
 Benzoic Acid  
 Concen: 44.80 ug/ml M1  
 RT: 4.948 min Scan# 607  
 Delta R.T. 0.006 min  
 Lab File: ABNICV.D  
 Acq: 21 Nov 2020 1:11 am

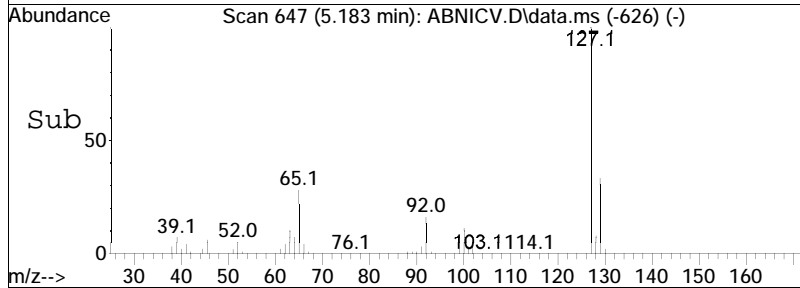
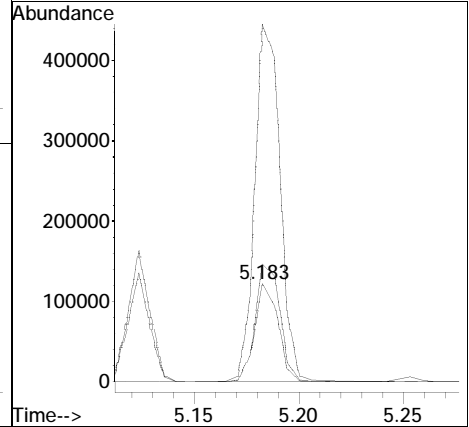
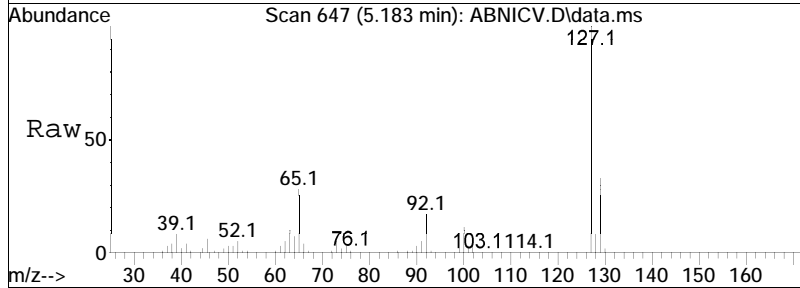
Tgt Ion	Ratio	Lower	Upper
105	100		
122	80.1	61.5	92.3
77	66.5	57.4	86.2

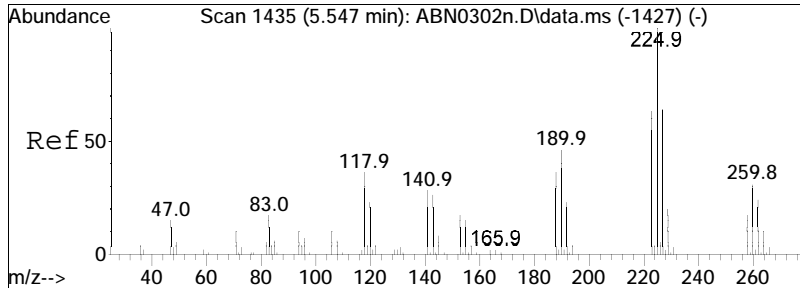




#38  
 4-Chloroaniline  
 Concen: 46.55 ug/ml  
 RT: 5.183 min Scan# 647  
 Delta R.T. -0.000 min  
 Lab File: ABNICV.D  
 Acq: 21 Nov 2020 1:11 am

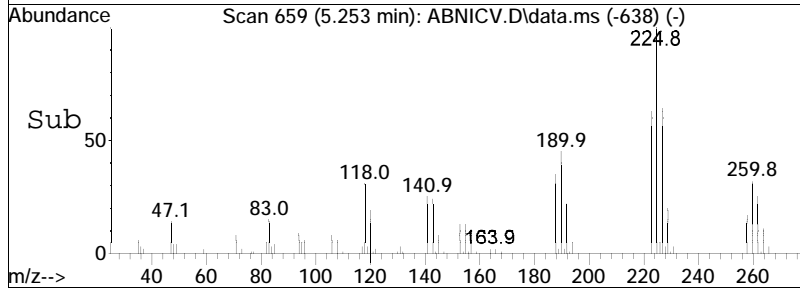
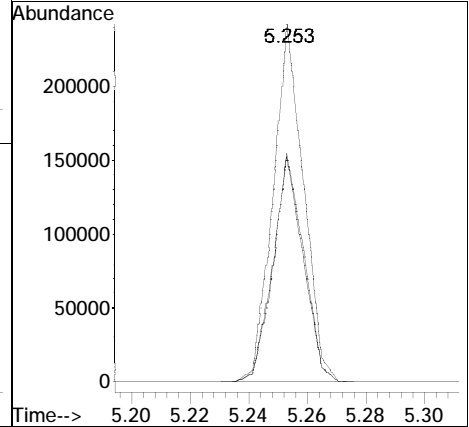
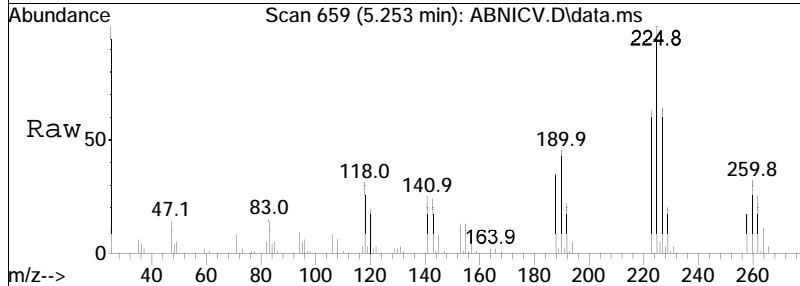
Tgt Ion:	Resp:	Lower	Upper
65	100		
127	389.3	295.3	442.9
129	126.4	96.3	144.5



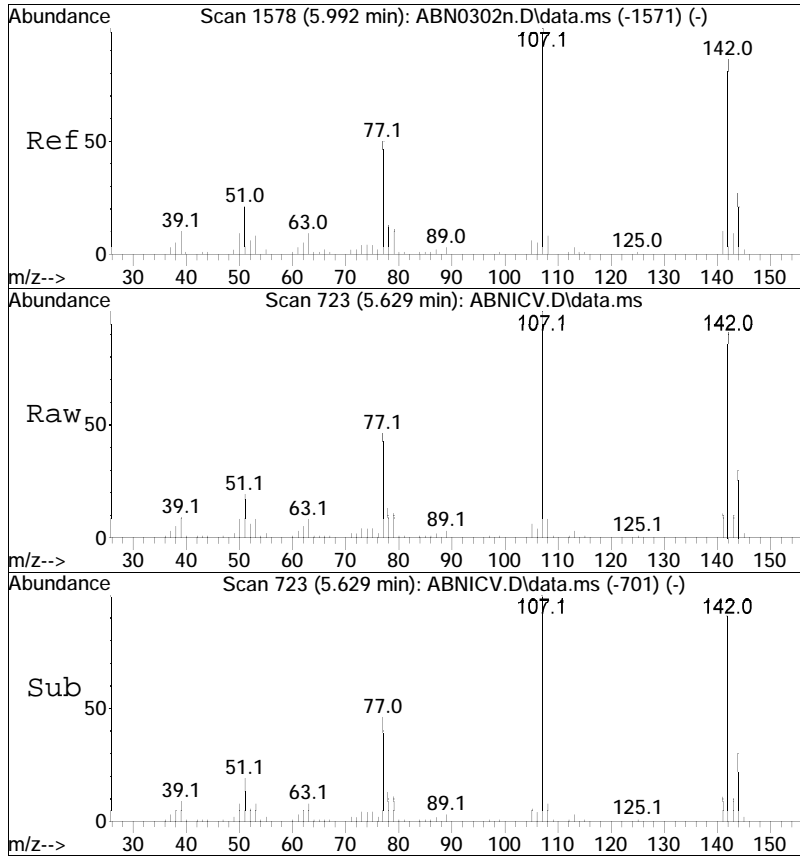


#39  
 Hexachlorobutadiene  
 Concen: 46.50 ug/ml  
 RT: 5.253 min Scan# 659  
 Delta R.T. -0.000 min  
 Lab File: ABNICV.D  
 Acq: 21 Nov 2020 1:11 am

Tgt Ion	Resp	Lower	Upper
225	100		
223	63.1	50.2	75.2
227	64.0	51.3	76.9

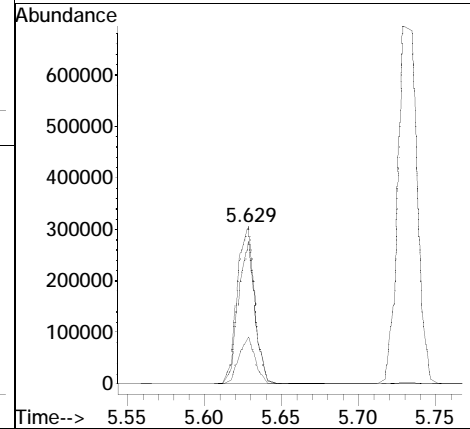


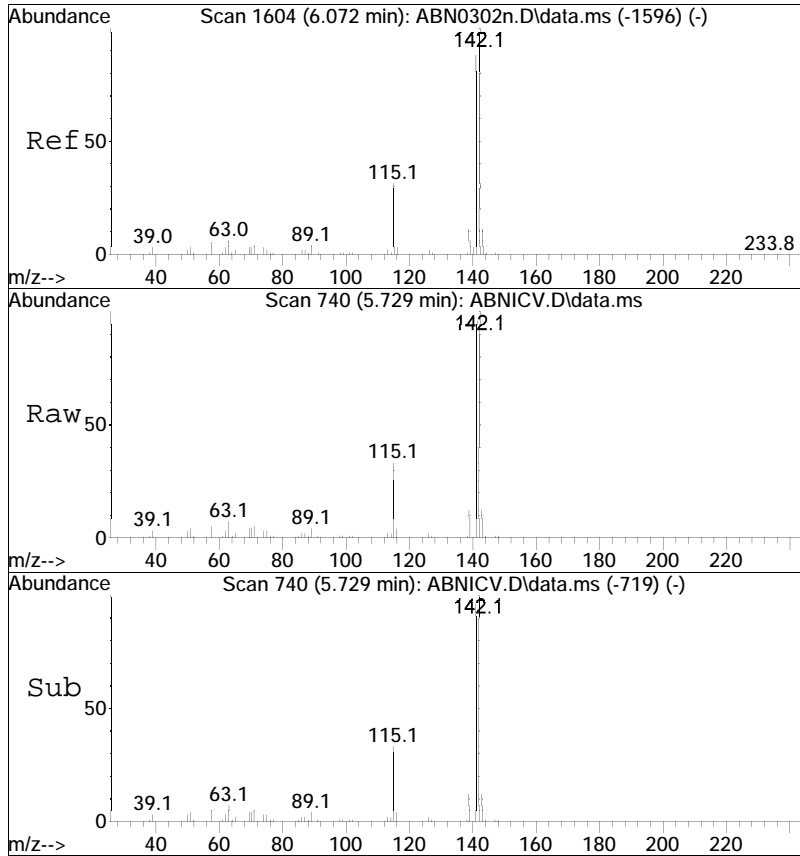




#40  
 p-Chloro-m-cresol  
 Concen: 48.01 ug/ml  
 RT: 5.629 min Scan# 723  
 Delta R.T. 0.006 min  
 Lab File: ABNICV.D  
 Acq: 21 Nov 2020 1:11 am

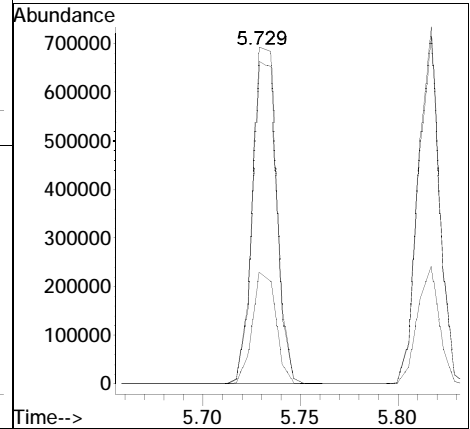
Tgt Ion	Resp	Lower	Upper
107	100		
144	27.7	20.7	31.1
142	85.9	63.7	95.5

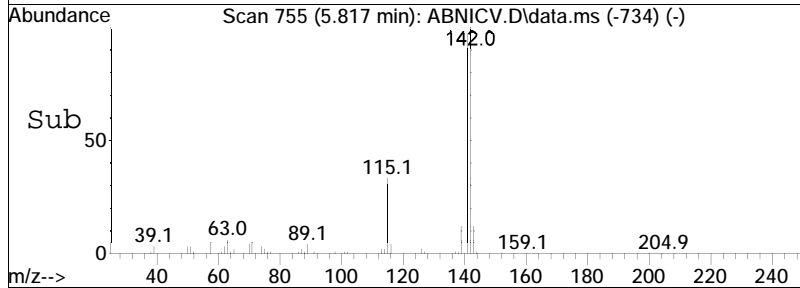
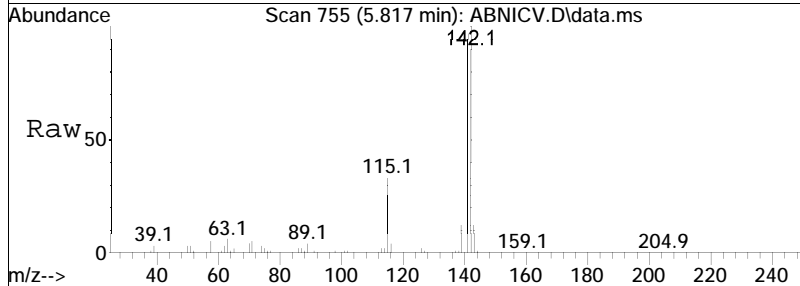
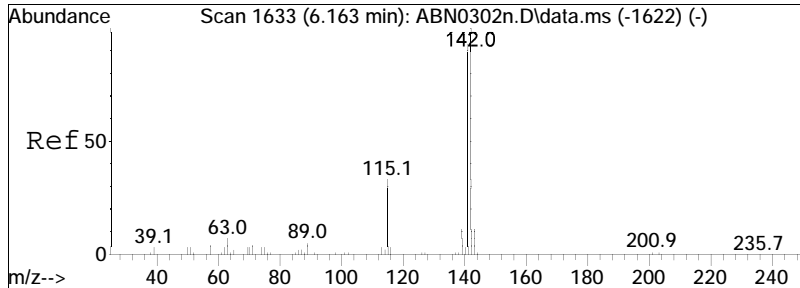




#41  
 2-Methylnaphthalene  
 Concen: 46.71 ug/ml  
 RT: 5.729 min Scan# 740  
 Delta R.T. -0.000 min  
 Lab File: ABNICV.D  
 Acq: 21 Nov 2020 1:11 am

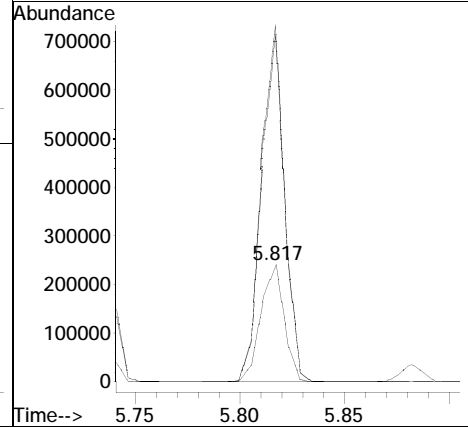
Tgt Ion	Resp	Lower	Upper
142	100		
141	94.8	71.0	106.6
115	32.0	29.8	44.6

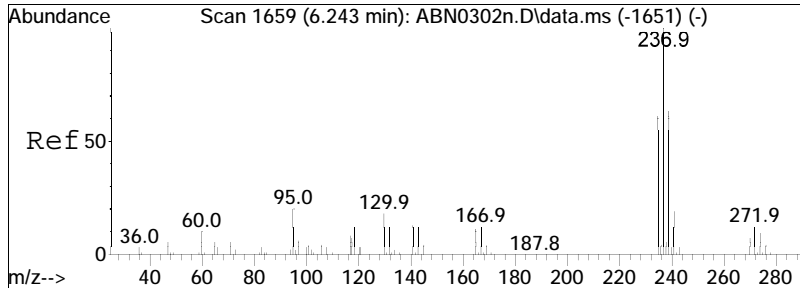




#42  
 1-Methylnaphthalene  
 Concen: 46.33 ug/ml  
 RT: 5.817 min Scan# 755  
 Delta R.T. -0.000 min  
 Lab File: ABNICV.D  
 Acq: 21 Nov 2020 1:11 am

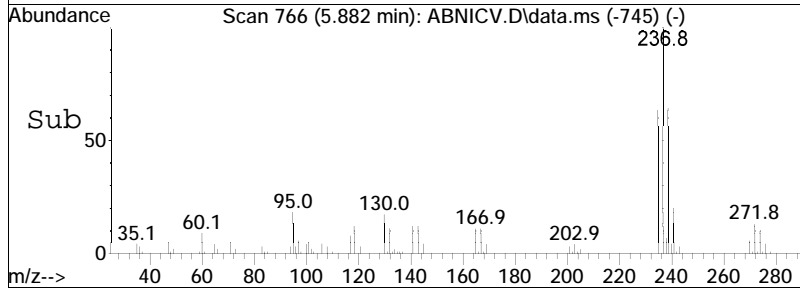
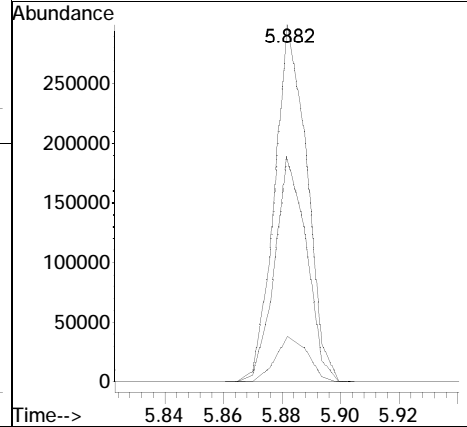
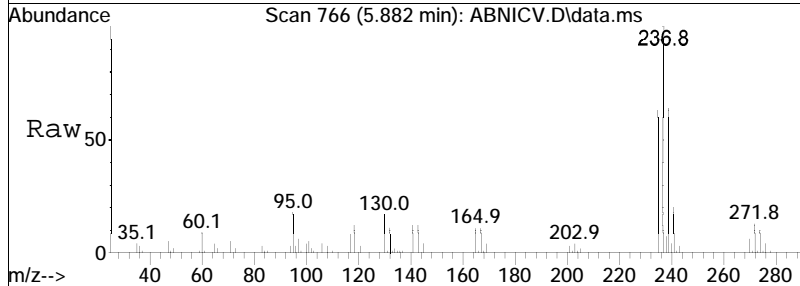
Tgt Ion	Resp	Lower	Upper
115	100		
141	288.1	188.9	283.3#
142	297.7	205.5	308.3

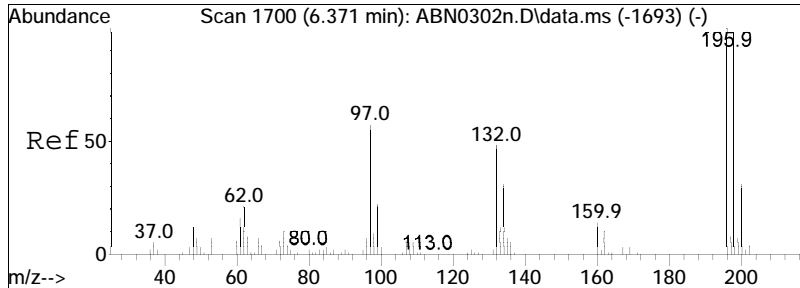




#43  
 Hexachlorocyclopentadiene  
 Concen: 49.52 ug/ml  
 RT: 5.882 min Scan# 766  
 Delta R.T. -0.000 min  
 Lab File: ABNICV.D  
 Acq: 21 Nov 2020 1:11 am

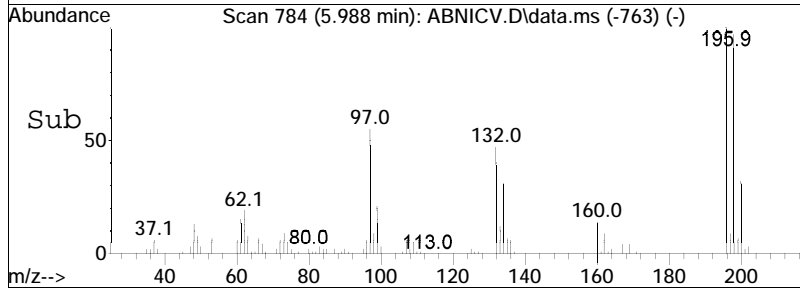
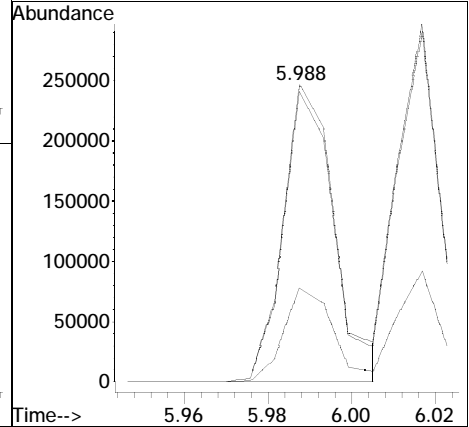
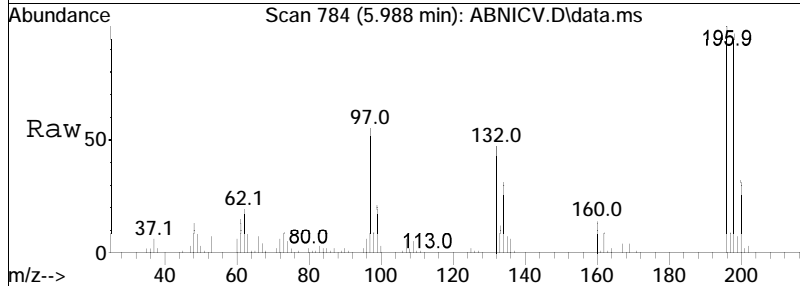
Tgt Ion	Resp	Lower	Upper
237	100		
235	62.4	50.2	75.2
272	12.9	11.4	17.2

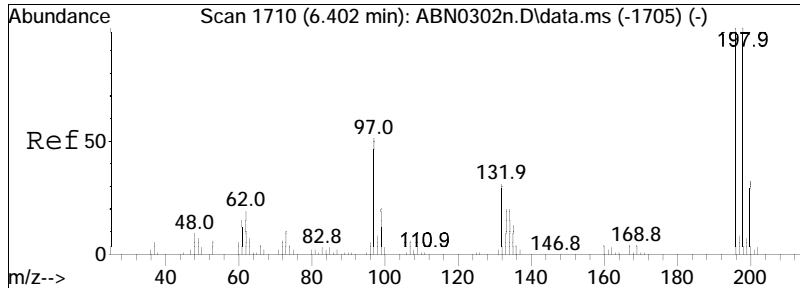




#44  
 2,4,6-Trichlorophenol  
 Concen: 52.03 ug/ml  
 RT: 5.988 min Scan# 784  
 Delta R.T. -0.000 min  
 Lab File: ABNICV.D  
 Acq: 21 Nov 2020 1:11 am

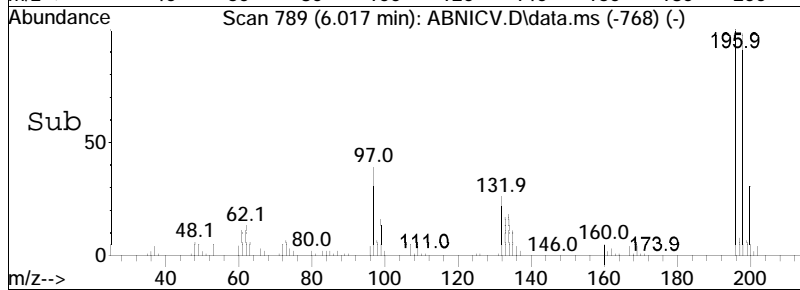
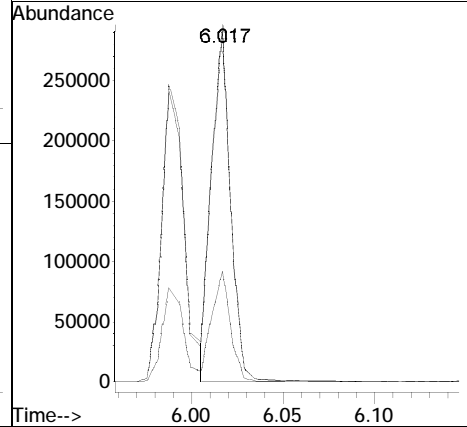
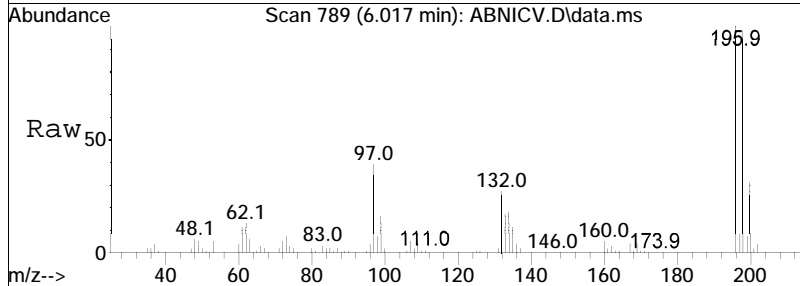
Tgt Ion	Resp	Lower	Upper
196	100		
198	96.2	76.0	114.0
200	30.6	24.9	37.3

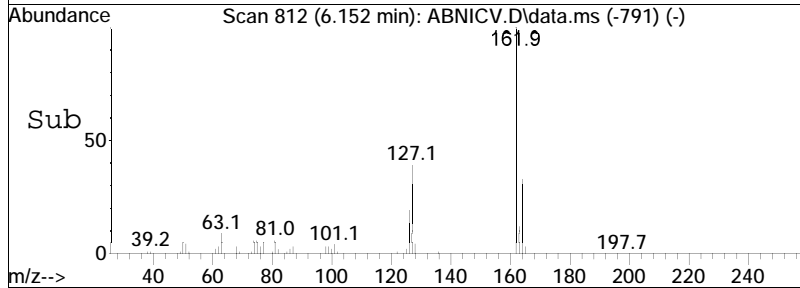
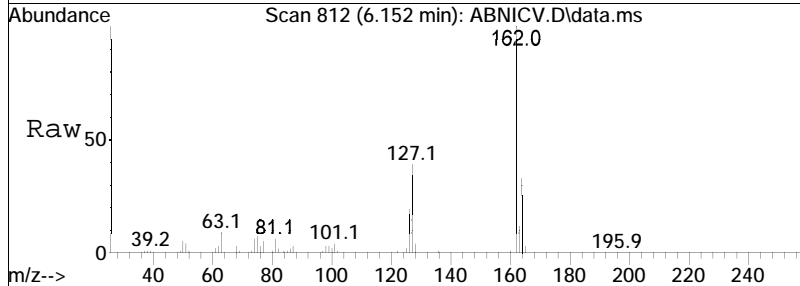
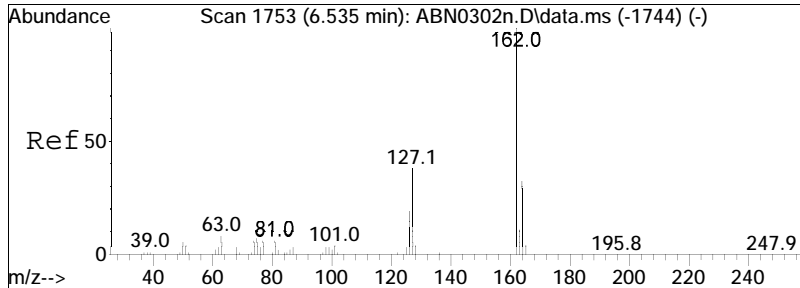




#45  
 2,4,5-Trichlorophenol  
 Concen: 46.95 ug/ml  
 RT: 6.017 min Scan# 789  
 Delta R.T. -0.000 min  
 Lab File: ABNICV.D  
 Acq: 21 Nov 2020 1:11 am

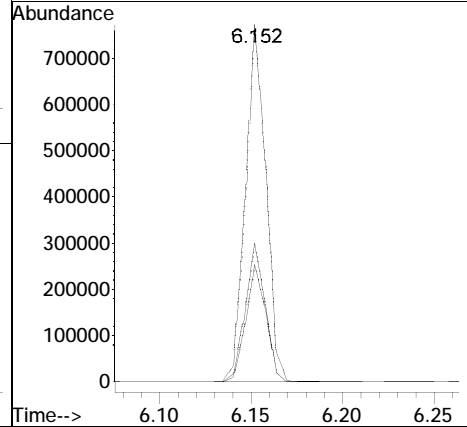
Tgt Ion	Resp	Lower	Upper
196	100		
200	30.4	23.8	35.6
198	97.4	74.3	111.5

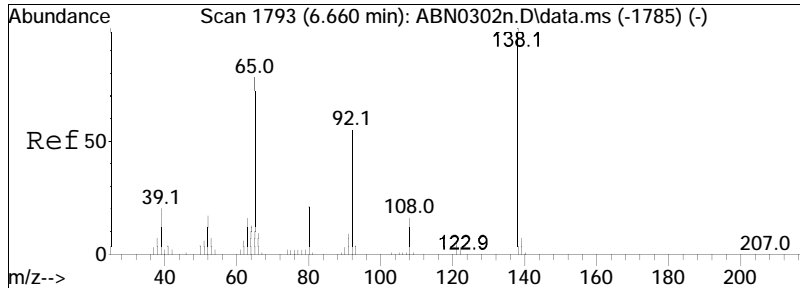




#47  
 2-Chloronaphthalene  
 Concen: 47.13 ug/ml  
 RT: 6.152 min Scan# 812  
 Delta R.T. -0.000 min  
 Lab File: ABNICV.D  
 Acq: 21 Nov 2020 1:11 am

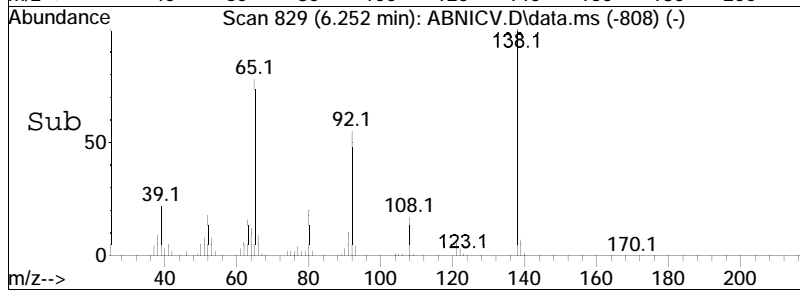
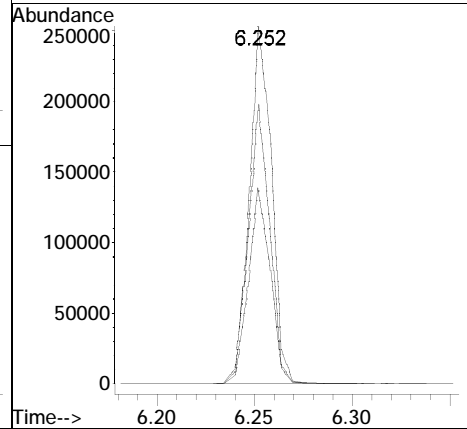
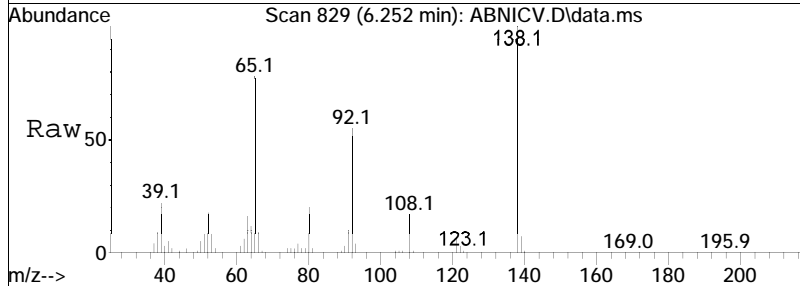
Tgt Ion	Ratio	Lower	Upper
162	100		
127	38.1	33.9	50.9
164	32.7	26.3	39.5



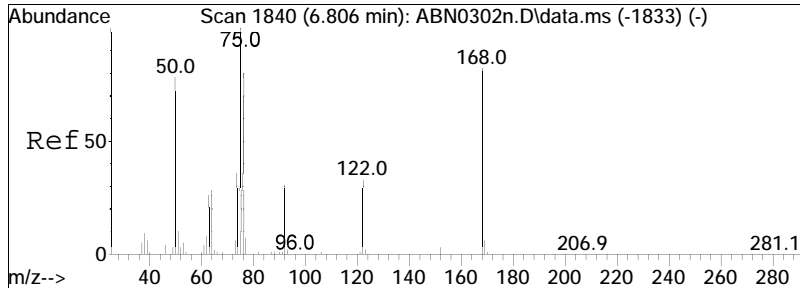


#48  
 2-Nitroaniline  
 Concen: 48.50 ug/ml  
 RT: 6.252 min Scan# 829  
 Delta R.T. -0.000 min  
 Lab File: ABNICV.D  
 Acq: 21 Nov 2020 1:11 am

Tgt Ion	Resp	Lower	Upper
138	198212		
92	54.2	52.5	78.7
65	76.0	67.7	101.5

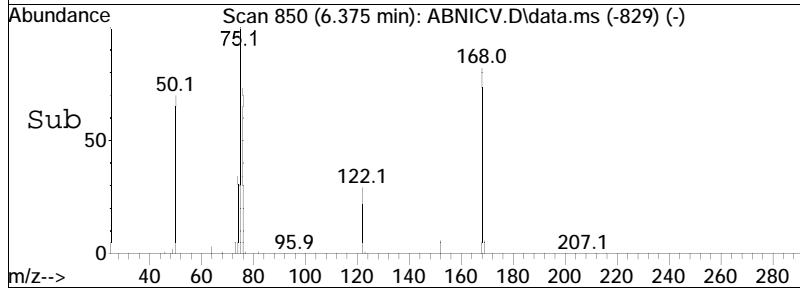
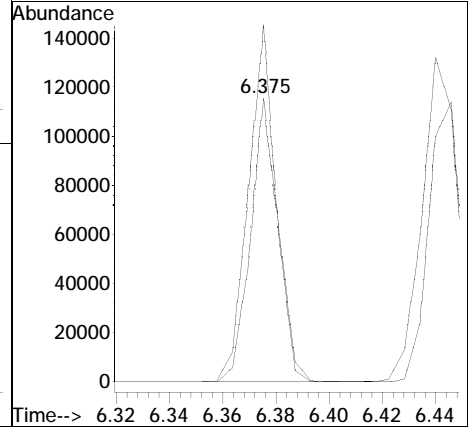
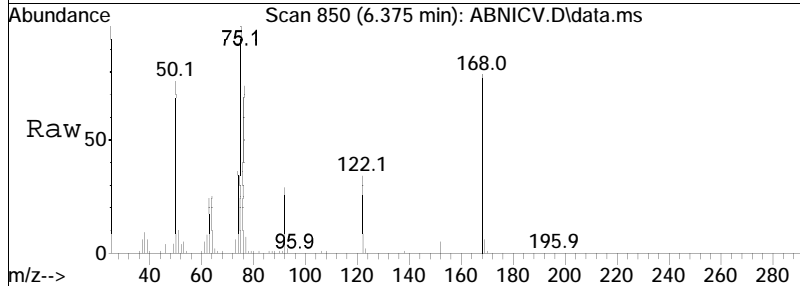


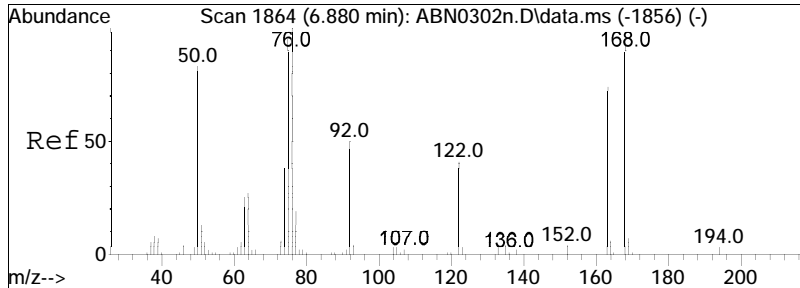




#49  
 1,4-Dinitrobenzene  
 Concen: 46.71 ug/ml  
 RT: 6.375 min Scan# 850  
 Delta R.T. -0.000 min  
 Lab File: ABNICV.D  
 Acq: 21 Nov 2020 1:11 am

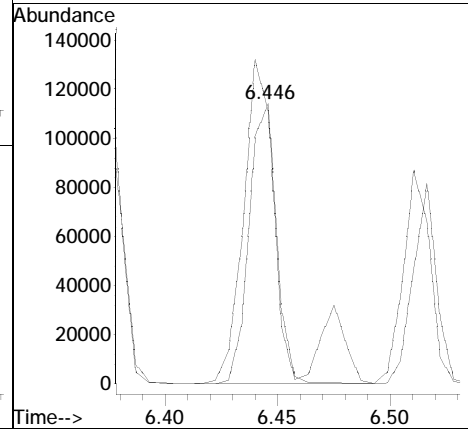
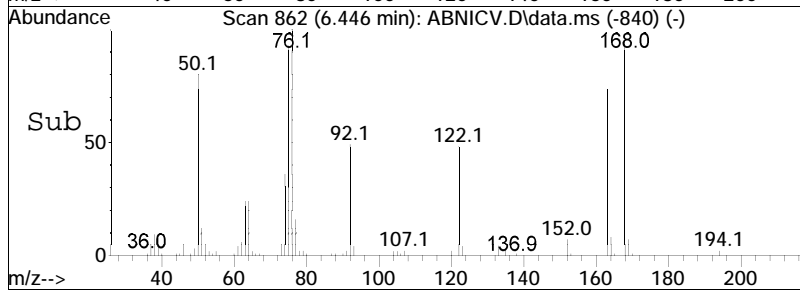
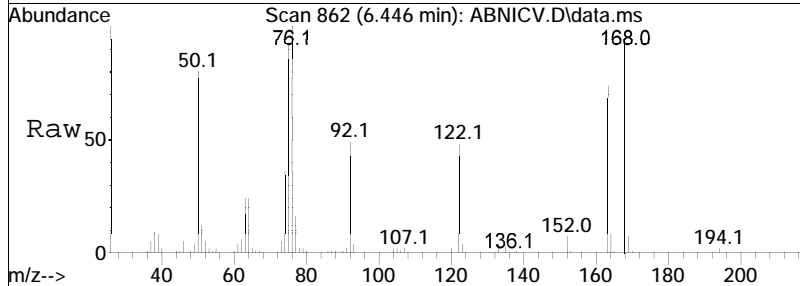
Tgt Ion	Resp	Lower	Upper
168	100		
75	124.2	120.6	181.0

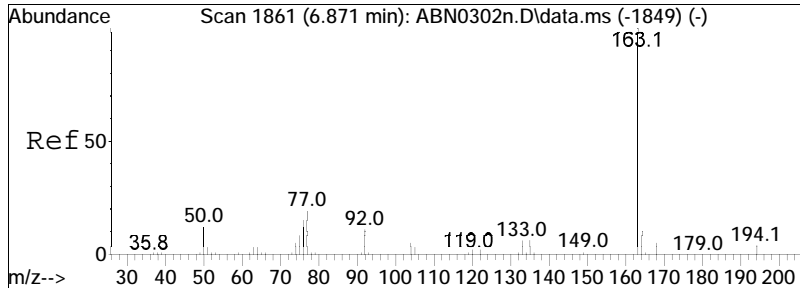




#50  
 1,3-Dinitrobenzene  
 Concen: 48.78 ug/ml  
 RT: 6.446 min Scan# 862  
 Delta R.T. 0.006 min  
 Lab File: ABNICV.D  
 Acq: 21 Nov 2020 1:11 am

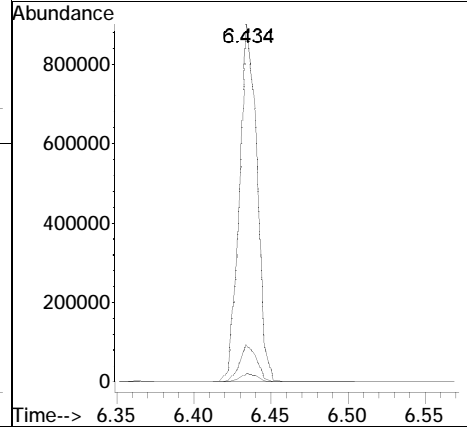
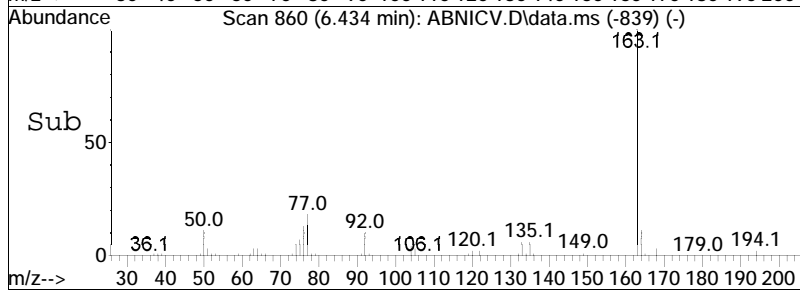
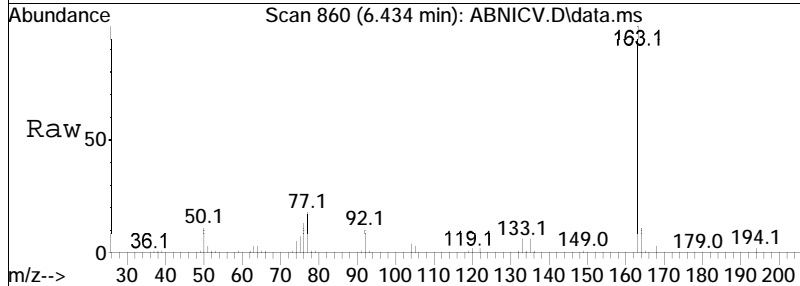
Tgt Ion: 168 Resp: 96992  
 Ion Ratio Lower Upper  
 168 100  
 75 123.8 126.3 189.5#

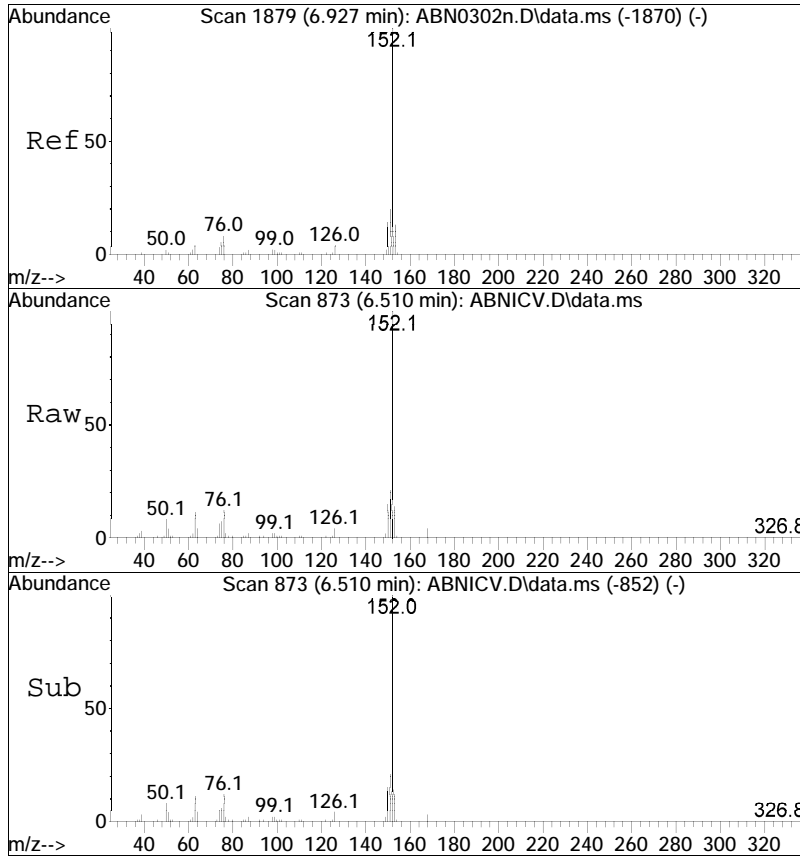




#51  
 Dimethyl phthalate  
 Concen: 45.78 ug/ml  
 RT: 6.434 min Scan# 860  
 Delta R.T. -0.000 min  
 Lab File: ABNICV.D  
 Acq: 21 Nov 2020 1:11 am

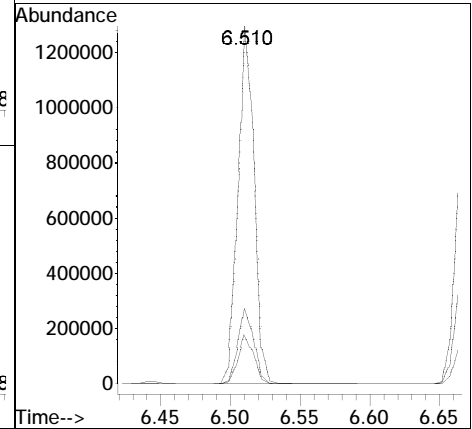
Tgt Ion	163	194	164	Resp:	705744	Lower	Upper
Ion Ratio	100	2.4	10.3			3.5	12.5
							5.3#

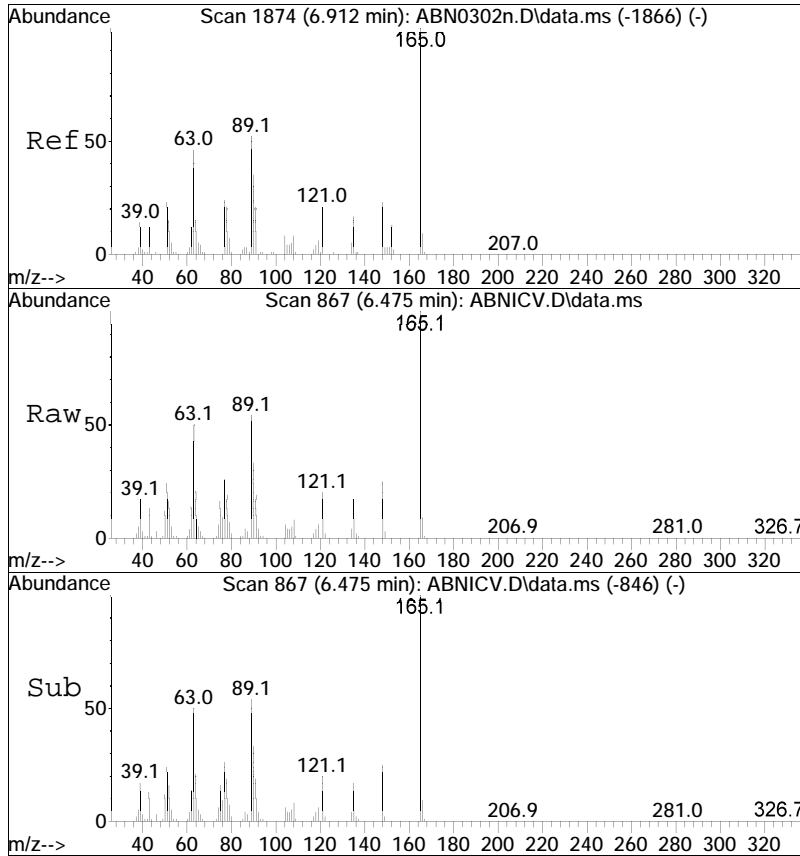




#52  
 Acenaphthylene  
 Concen: 47.87 ug/ml  
 RT: 6.510 min Scan# 873  
 Delta R.T. -0.000 min  
 Lab File: ABNICV.D  
 Acq: 21 Nov 2020 1:11 am

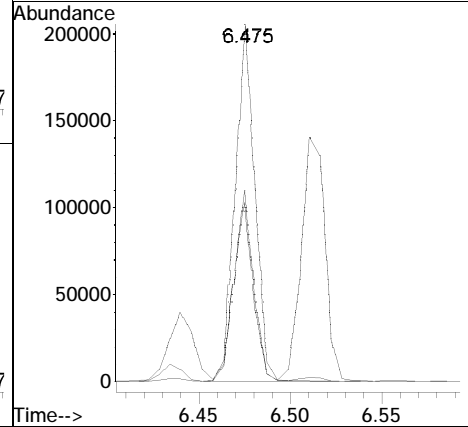
Tgt Ion	Resp	Lower	Upper
152	1039420		
151	20.9	17.7	26.5
153	13.3	10.6	15.8

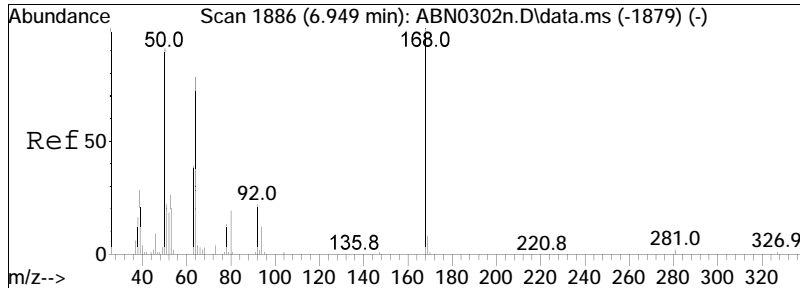




#53  
 2,6-Dinitrotoluene  
 Concen: 49.50 ug/ml  
 RT: 6.475 min Scan# 867  
 Delta R.T. -0.000 min  
 Lab File: ABNICV.D  
 Acq: 21 Nov 2020 1:11 am

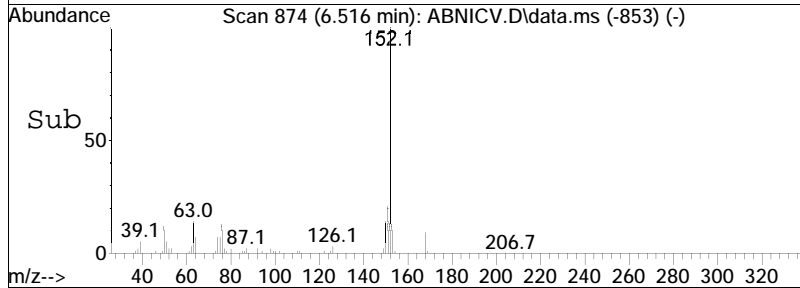
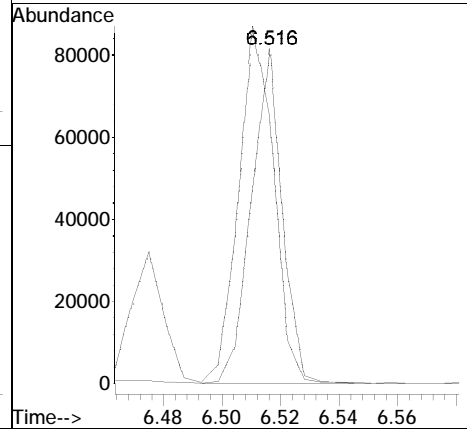
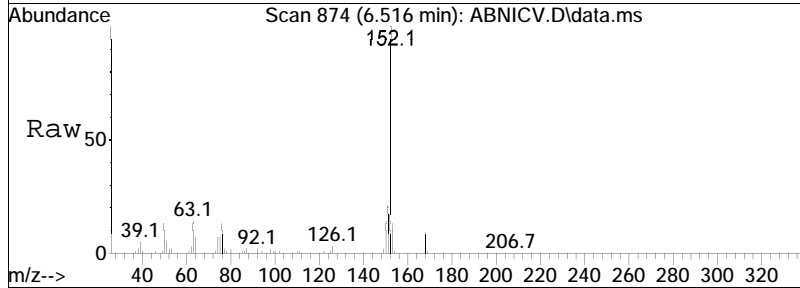
Tgt Ion	Ratio	Lower	Upper
165	100		
89	52.6	56.8	85.2#
63	49.9	50.6	76.0#

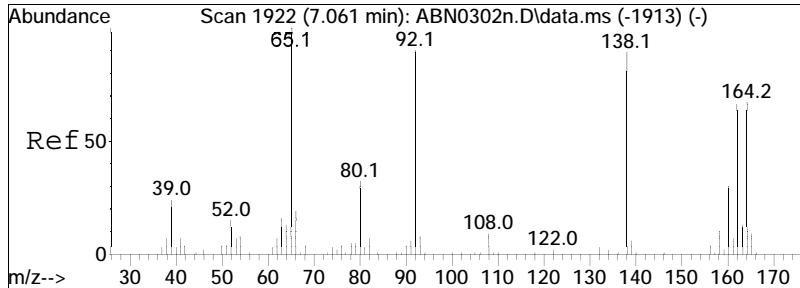




#54  
 1,2-Dinitrobenzene  
 Concen: 47.43 ug/ml  
 RT: 6.516 min Scan# 874  
 Delta R.T. -0.000 min  
 Lab File: ABNICV.D  
 Acq: 21 Nov 2020 1:11 am

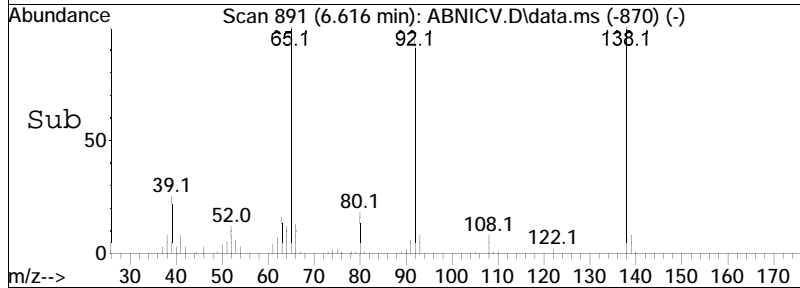
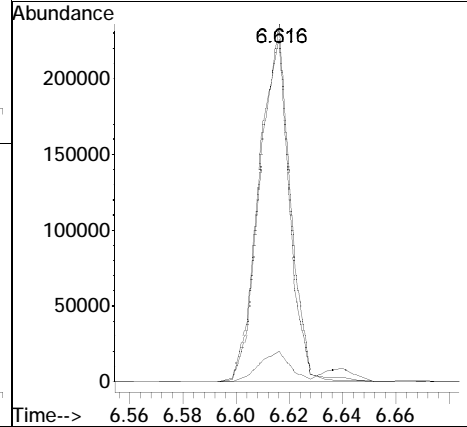
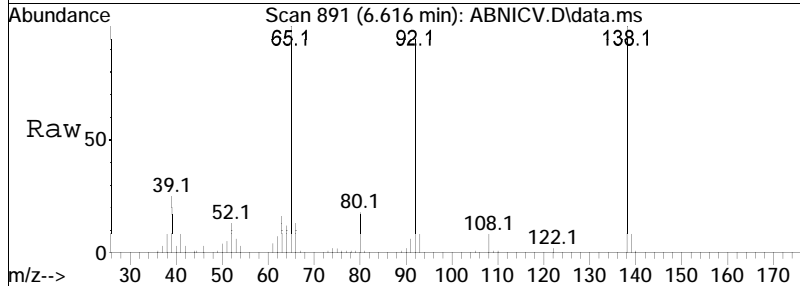
Tgt Ion	Resp	Lower	Upper
168	100		
75	122.1	106.6	160.0

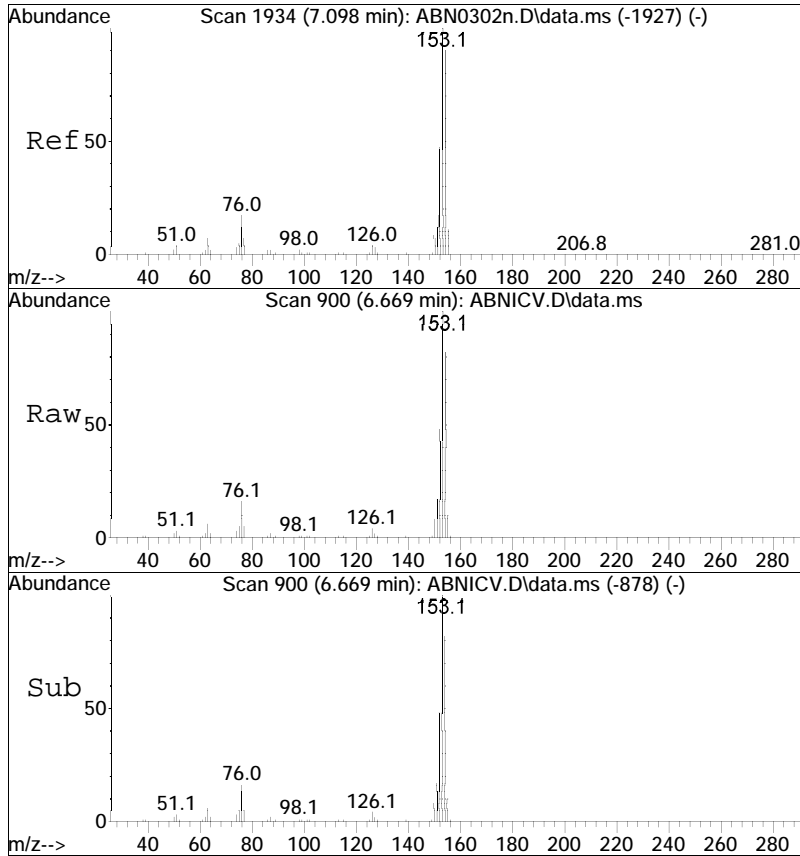




#64  
 3-Nitroaniline  
 Concen: 47.73 ug/ml  
 RT: 6.616 min Scan# 891  
 Delta R.T. -0.000 min  
 Lab File: ABNICV.D  
 Acq: 21 Nov 2020 1:11 am

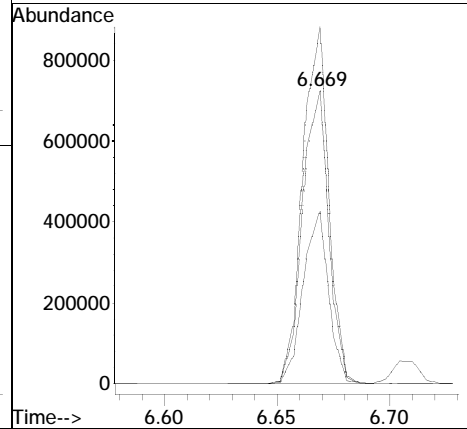
Tgt Ion	Resp	Lower	Upper
138	182020		
138	100		
92	99.3	95.4	143.2
108	9.1	8.1	12.1



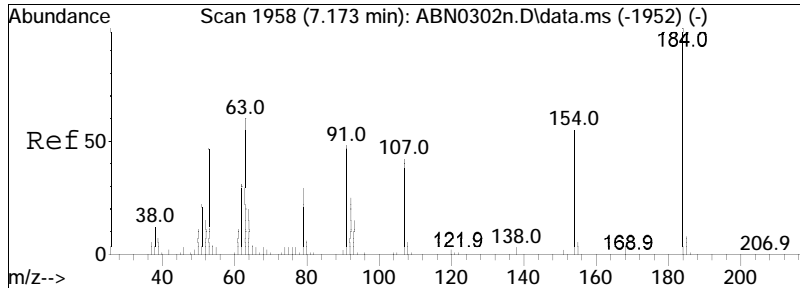


#65  
 Acenaphthene  
 Concen: 44.08 ug/ml  
 RT: 6.669 min Scan# 900  
 Delta R.T. 0.006 min  
 Lab File: ABNICV.D  
 Acq: 21 Nov 2020 1:11 am

Tgt Ion	Resp	Lower	Upper
154	586797		
153	120.8	89.2	133.8
152	57.6	44.2	66.2

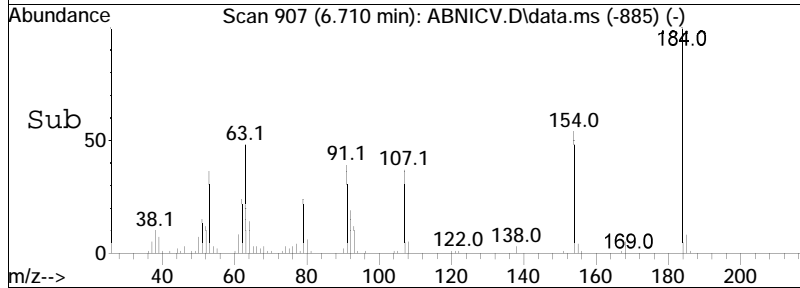
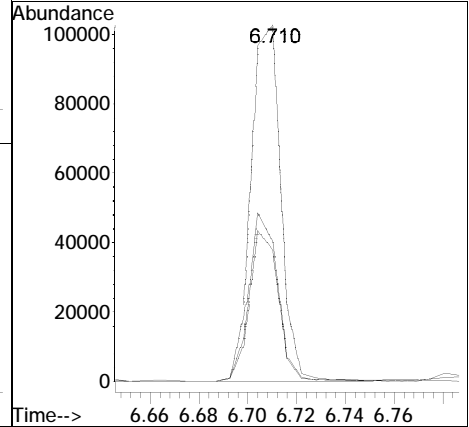
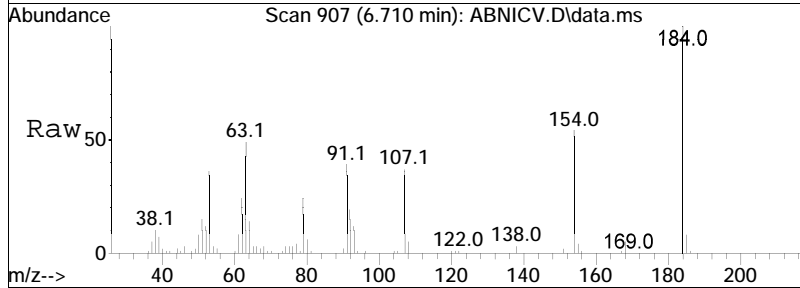


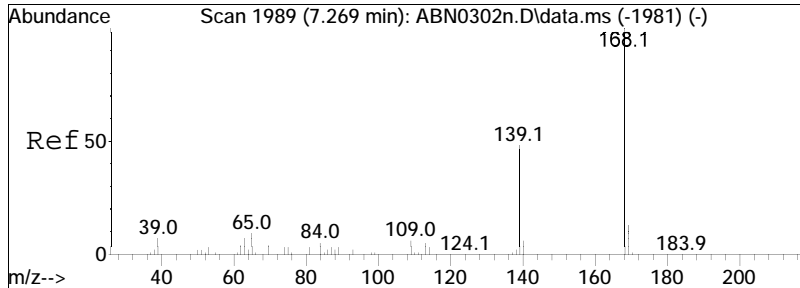




#66  
 2,4-Dinitrophenol  
 Concen: 44.05 ug/ml  
 RT: 6.710 min Scan# 907  
 Delta R.T. 0.006 min  
 Lab File: ABNICV.D  
 Acq: 21 Nov 2020 1:11 am

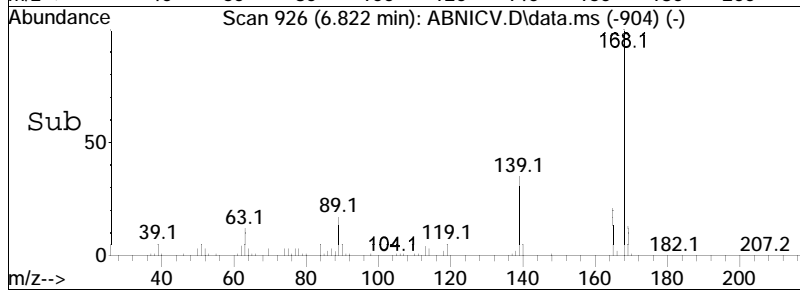
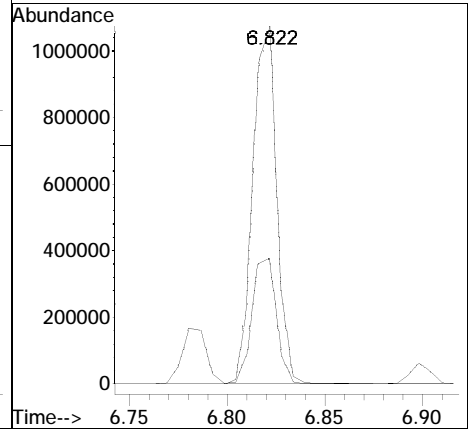
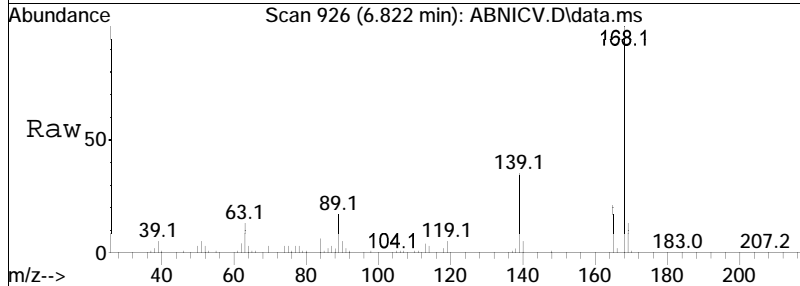
Tgt Ion	Ratio	Lower	Upper
184	100		
107	41.3	40.6	61.0
91	46.0	47.3	70.9#

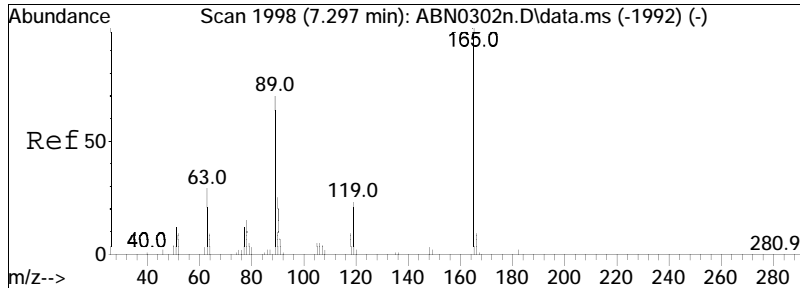




#67  
 Dibenzofuran  
 Concen: 46.59 ug/ml  
 RT: 6.822 min Scan# 926  
 Delta R.T. 0.006 min  
 Lab File: ABNICV.D  
 Acq: 21 Nov 2020 1:11 am

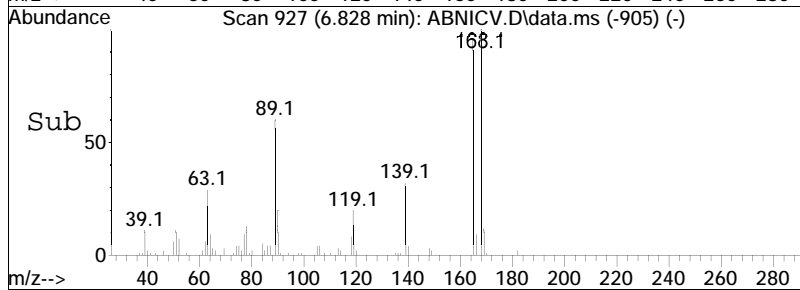
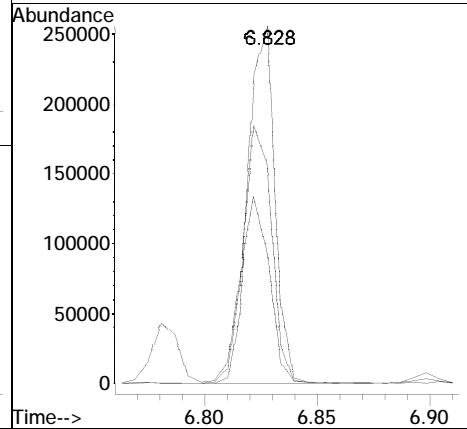
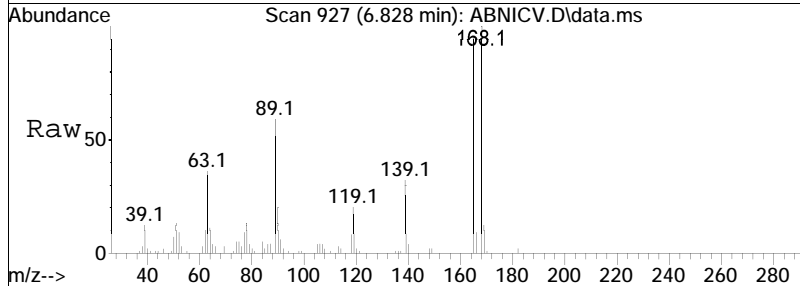
Tgt Ion	Resp	Lower	Upper
168	100		
139	36.5	33.3	49.9

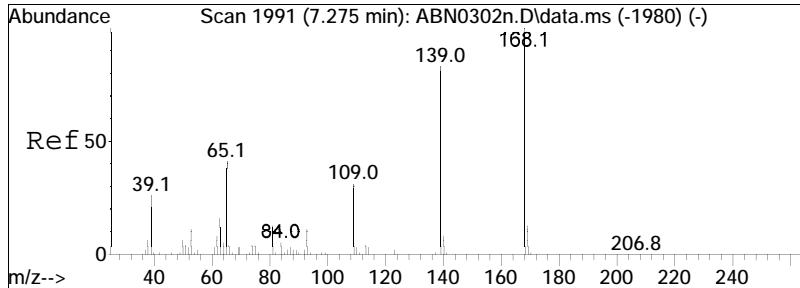




#68  
 2,4-Dinitrotoluene  
 Concen: 47.97 ug/ml  
 RT: 6.828 min Scan# 927  
 Delta R.T. 0.006 min  
 Lab File: ABNICV.D  
 Acq: 21 Nov 2020 1:11 am

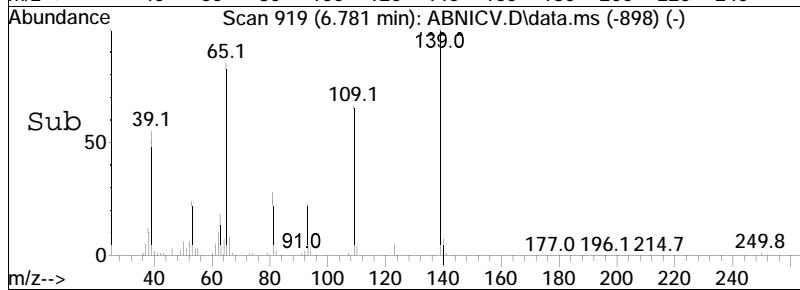
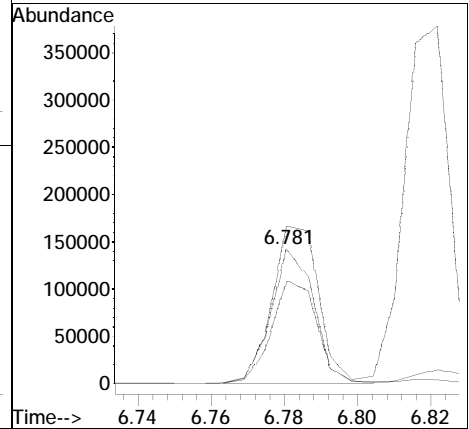
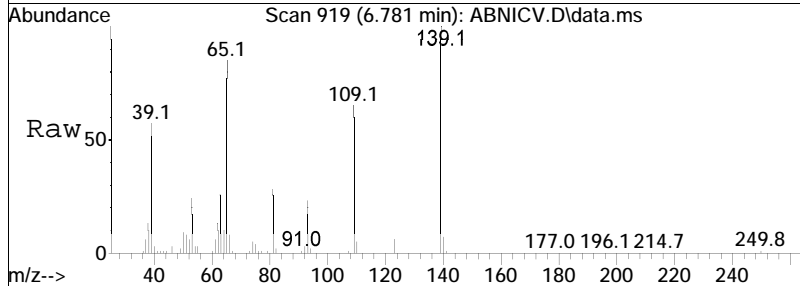
Tgt Ion	Resp	Lower	Upper
165	100		
89	76.6	82.6	124.0#
63	56.9	56.9	85.3

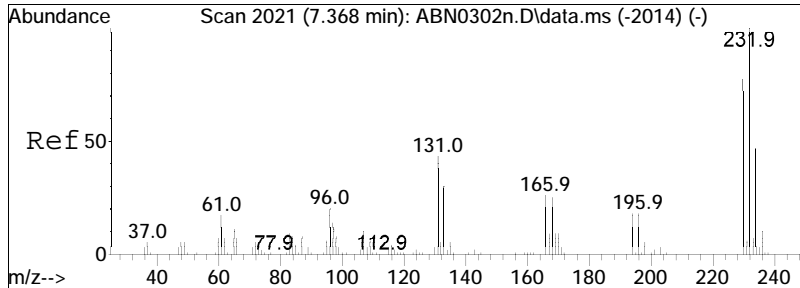




#69  
 4-Nitrophenol  
 Concen: 46.23 ug/ml  
 RT: 6.781 min Scan# 919  
 Delta R.T. -0.000 min  
 Lab File: ABNICV.D  
 Acq: 21 Nov 2020 1:11 am

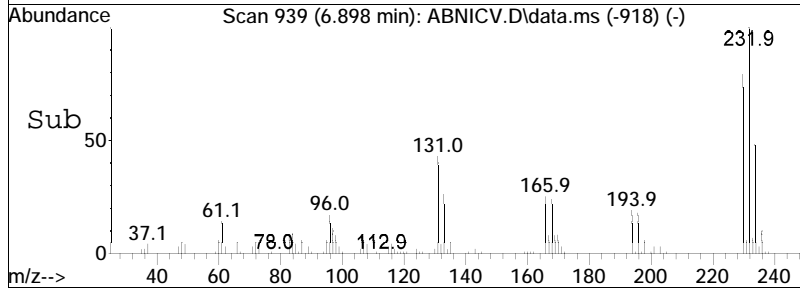
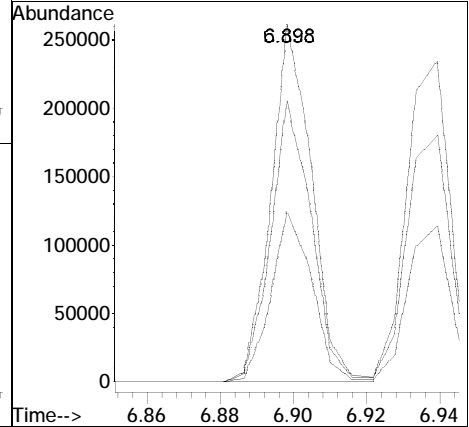
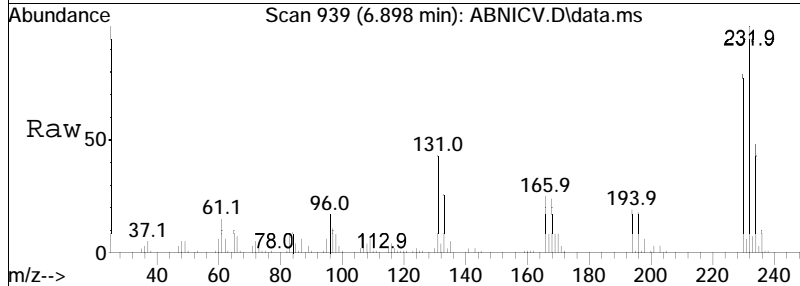
Tgt Ion:	Resp:		
Ion Ratio	Lower	Upper	
65	100		
109	80.1	60.7	91.1
139	126.2	90.3	135.5

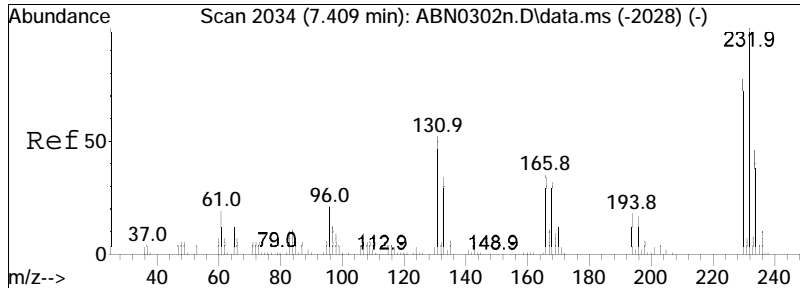




#70  
 2,3,5,6-Tetrachlorophenol  
 Concen: 49.29 ug/ml  
 RT: 6.898 min Scan# 939  
 Delta R.T. -0.000 min  
 Lab File: ABNICV.D  
 Acq: 21 Nov 2020 1:11 am

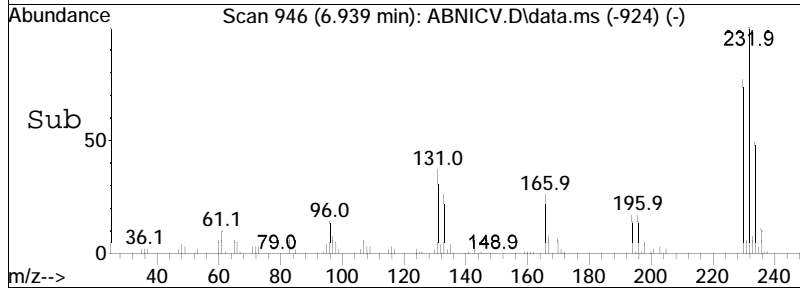
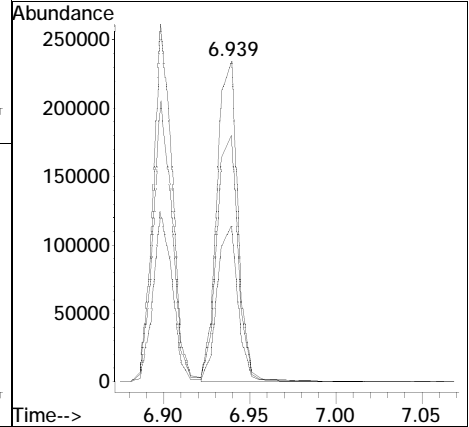
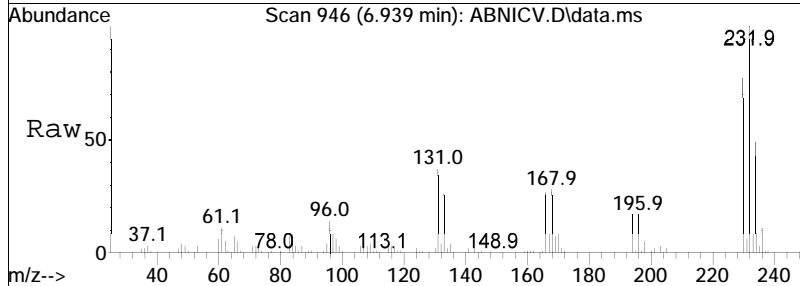
Tgt Ion	Ratio	Lower	Upper
232	100		
230	78.8	64.1	96.1
234	47.7	38.2	57.2

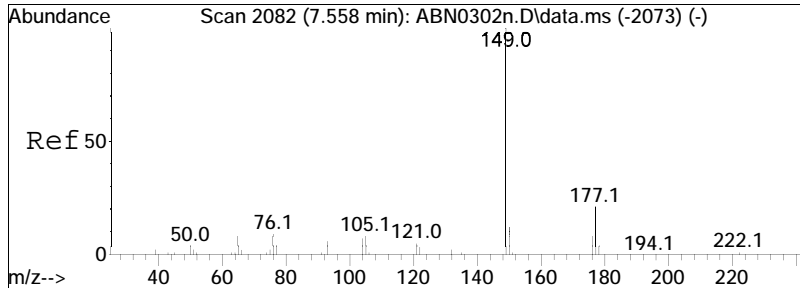




#71  
 2,3,4,6-Tetrachlorophenol  
 Concen: 48.28 ug/ml  
 RT: 6.939 min Scan# 946  
 Delta R.T. 0.006 min  
 Lab File: ABNICV.D  
 Acq: 21 Nov 2020 1:11 am

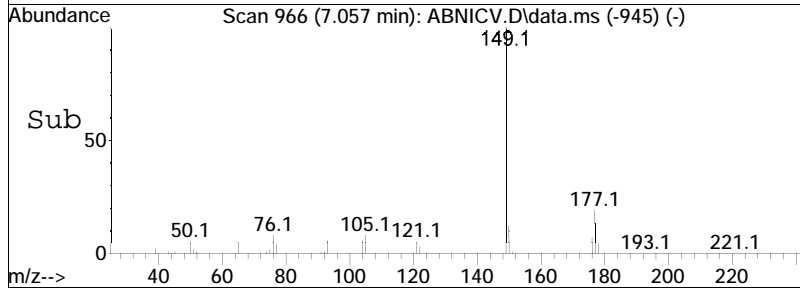
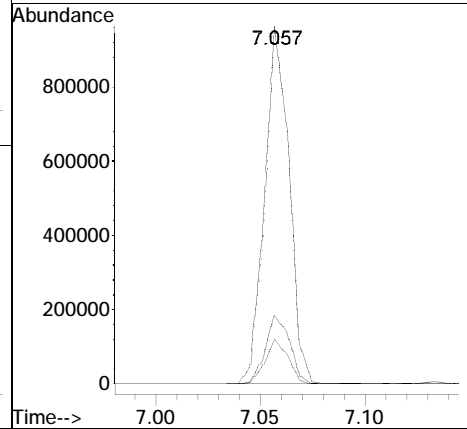
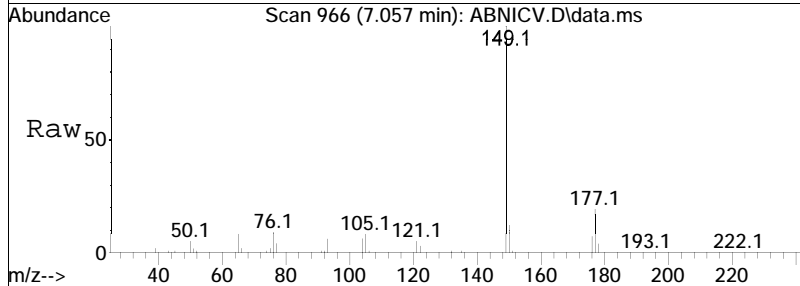
Tgt Ion	Resp	Lower	Upper
232	100		
230	77.2	61.6	92.4
234	48.2	39.0	58.6

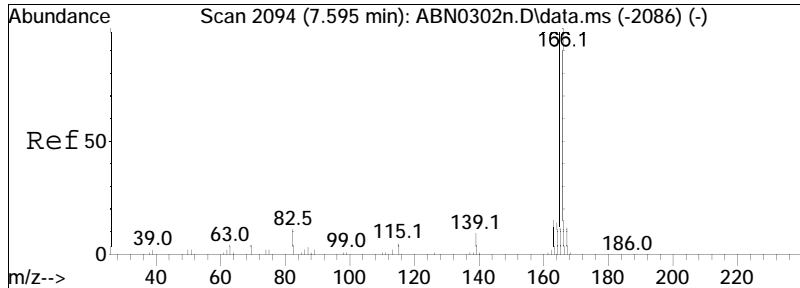




#72  
 Diethyl phthalate  
 Concen: 45.21 ug/ml  
 RT: 7.057 min Scan# 966  
 Delta R.T. -0.000 min  
 Lab File: ABNICV.D  
 Acq: 21 Nov 2020 1:11 am

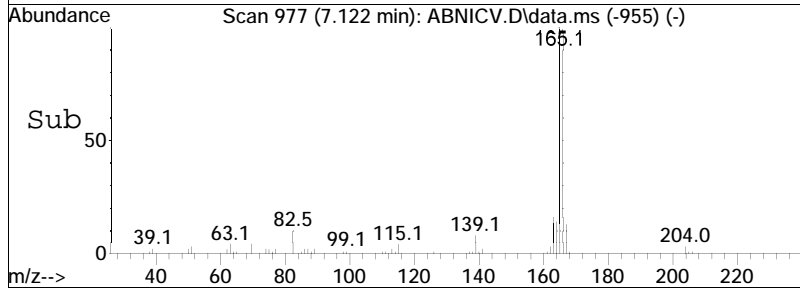
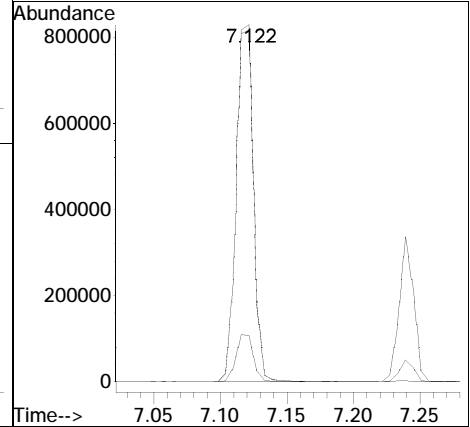
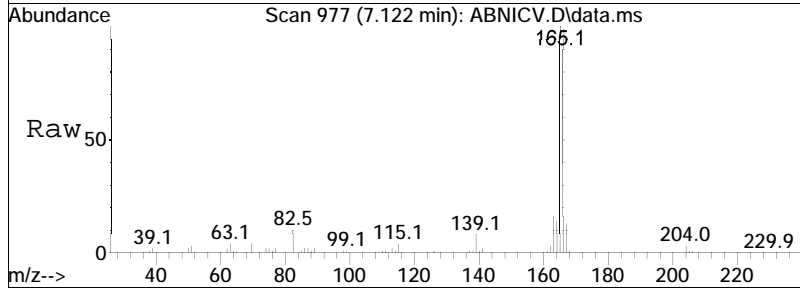
Tgt Ion	Ratio	Lower	Upper
149	100		
177	19.4	14.7	22.1
150	12.0	9.4	14.0



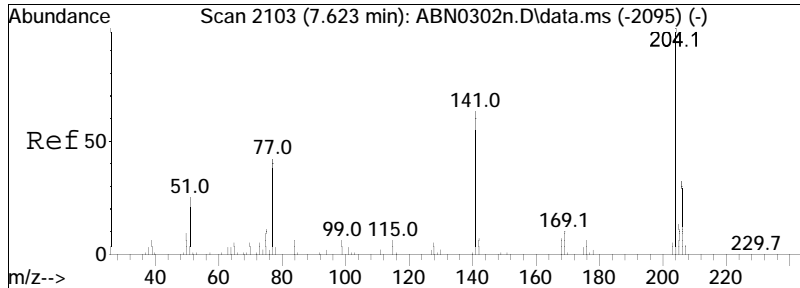


#73  
 Fluorene  
 Concen: 46.13 ug/ml  
 RT: 7.122 min Scan# 977  
 Delta R.T. 0.006 min  
 Lab File: ABNICV.D  
 Acq: 21 Nov 2020 1:11 am

Tgt Ion	Resp	Lower	Upper
166	100		
165	100.9	76.7	115.1
167	13.6	11.0	16.4

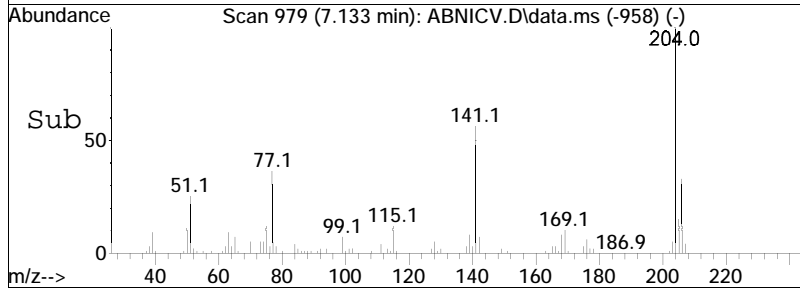
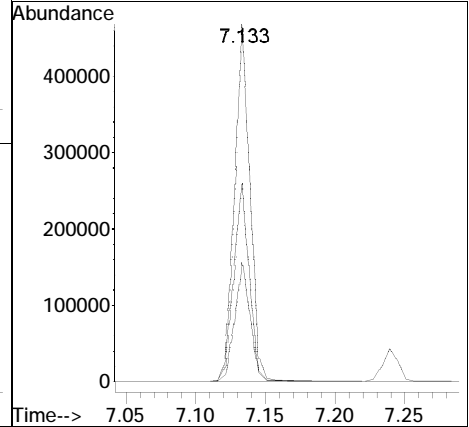
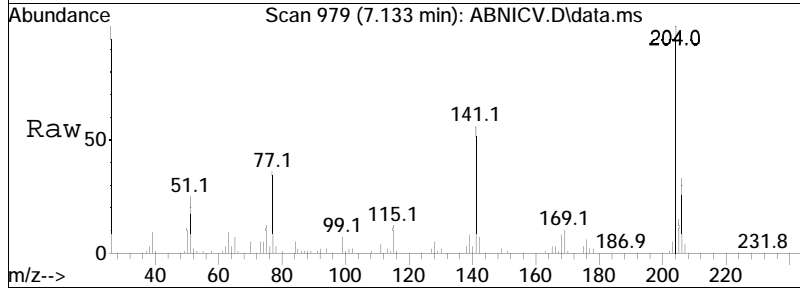


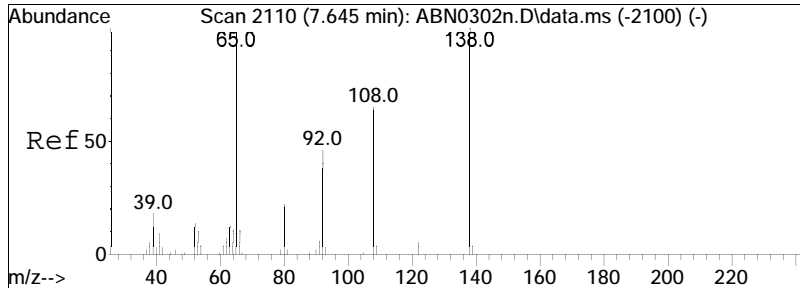




#74  
 4-Chlorophenyl phenyl ether  
 Concen: 45.52 ug/ml  
 RT: 7.133 min Scan# 979  
 Delta R.T. -0.000 min  
 Lab File: ABNICV.D  
 Acq: 21 Nov 2020 1:11 am

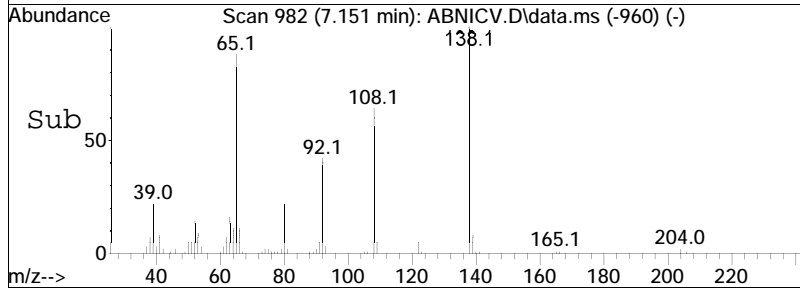
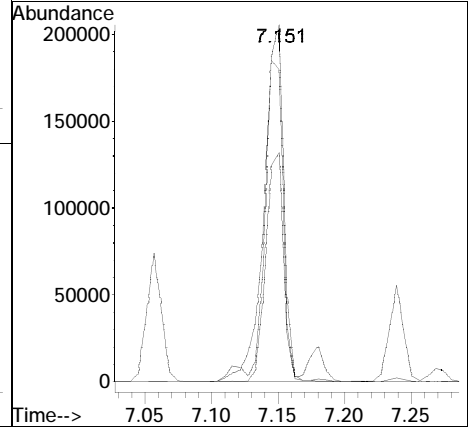
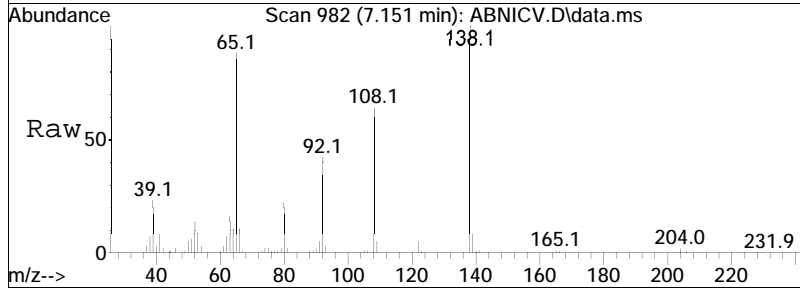
Tgt Ion	Ratio	Lower	Upper
204	100		
206	33.4	25.8	38.6
141	55.9	56.2	84.4#

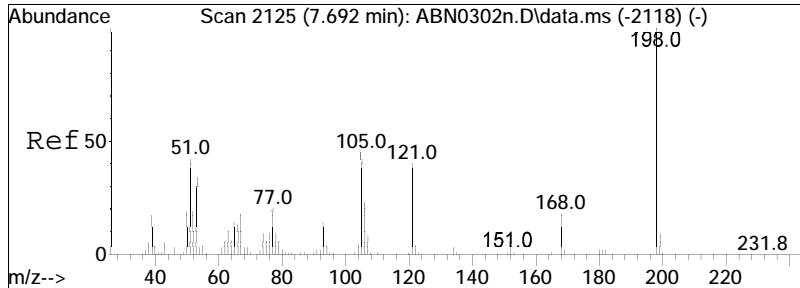




#75  
 4-Nitroaniline  
 Concen: 50.42 ug/ml  
 RT: 7.151 min Scan# 982  
 Delta R.T. 0.006 min  
 Lab File: ABNICV.D  
 Acq: 21 Nov 2020 1:11 am

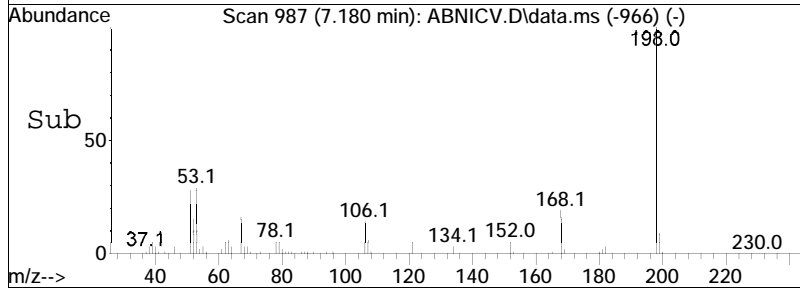
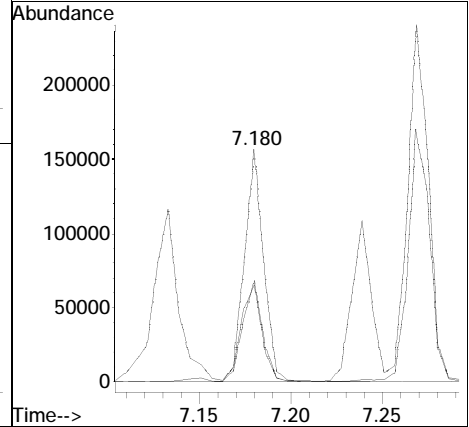
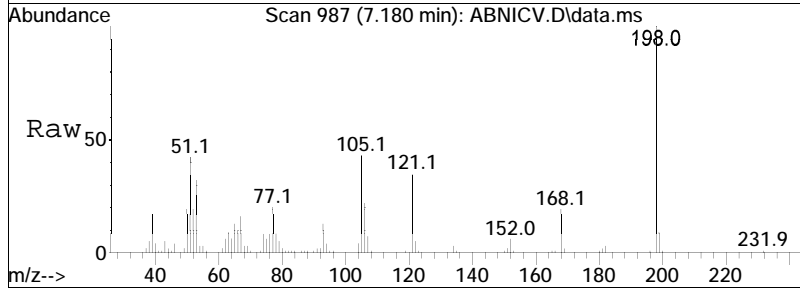
Tgt Ion	Resp	Lower	Upper
138	194910		
138	100		
108	62.7	54.2	81.4
65	99.7	88.2	132.4

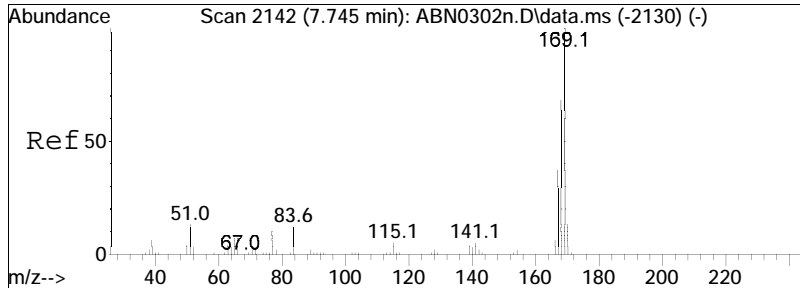




#76  
 4,6-Dinitro-o-cresol  
 Concen: 47.06 ug/ml  
 RT: 7.180 min Scan# 987  
 Delta R.T. -0.000 min  
 Lab File: ABNICV.D  
 Acq: 21 Nov 2020 1:11 am

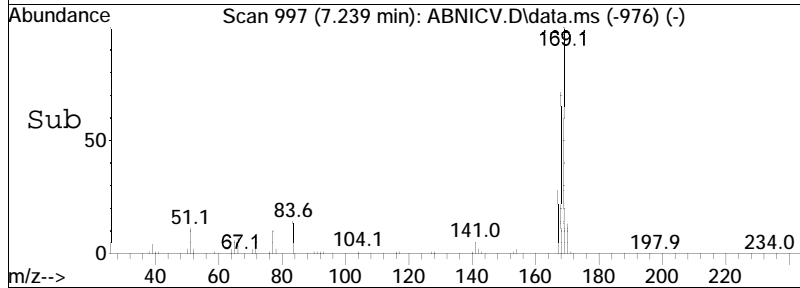
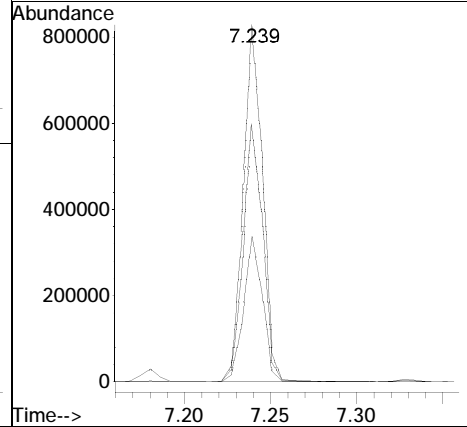
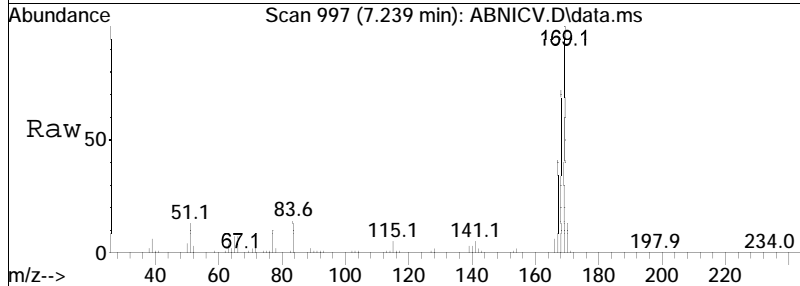
Tgt Ion	Ratio	Lower	Upper
198	100		
51	44.2	41.0	61.4
105	44.1	49.0	73.4#

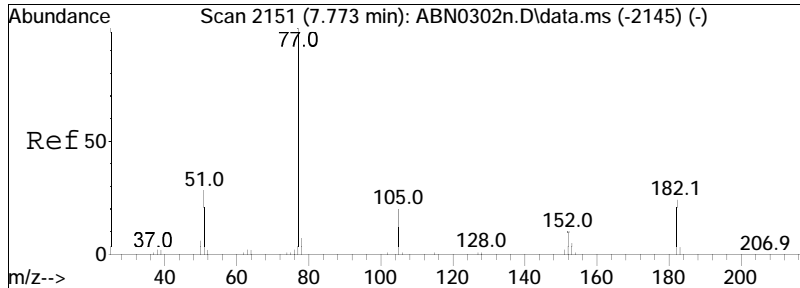




#77  
 NDPA/DPA  
 Concen: 46.62 ug/ml  
 RT: 7.239 min Scan# 997  
 Delta R.T. -0.000 min  
 Lab File: ABNICV.D  
 Acq: 21 Nov 2020 1:11 am

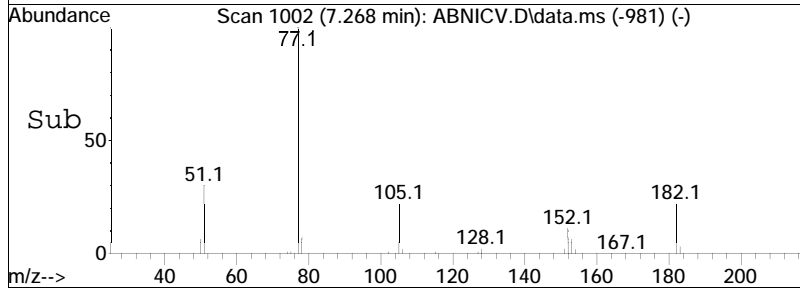
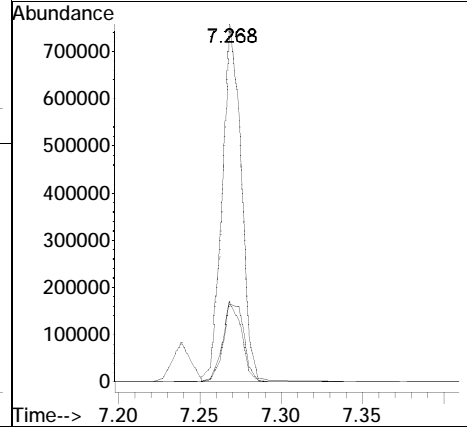
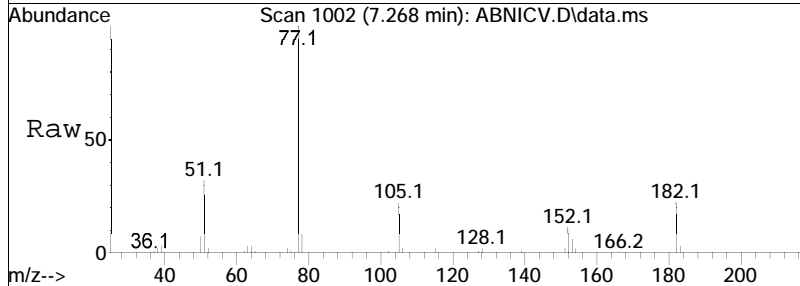
Tgt Ion	Resp	Lower	Upper
169	100		
168	72.8	58.2	87.4
167	40.2	31.7	47.5

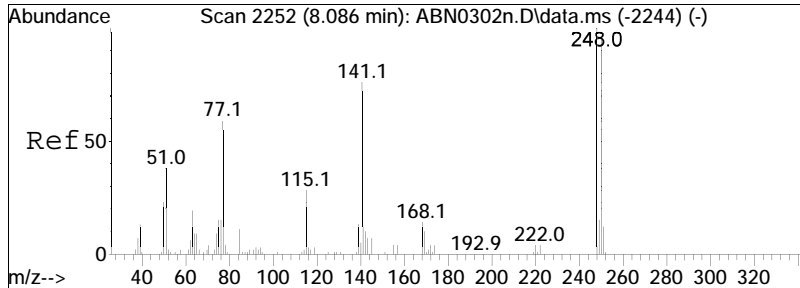




#78  
 Azobenzene  
 Concen: 45.81 ug/ml  
 RT: 7.268 min Scan# 1002  
 Delta R.T. -0.000 min  
 Lab File: ABNICV.D  
 Acq: 21 Nov 2020 1:11 am

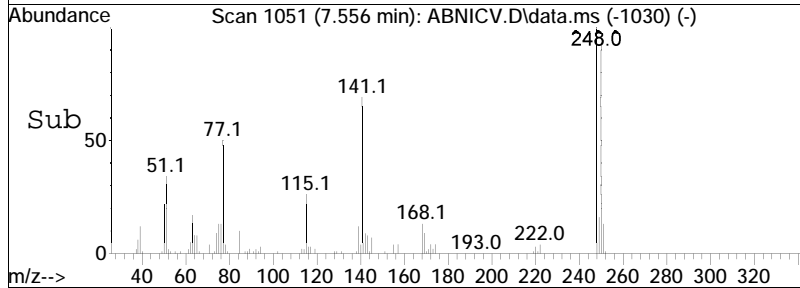
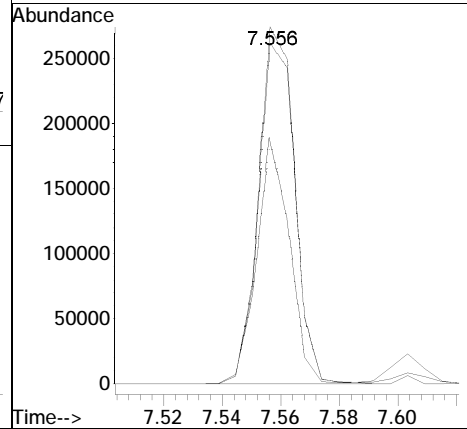
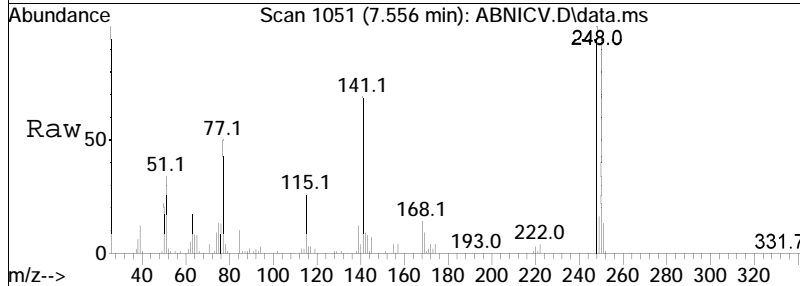
Tgt Ion	Resp	Lower	Upper
77	100		
182	23.9	14.9	22.3#
105	22.5	12.8	19.2#

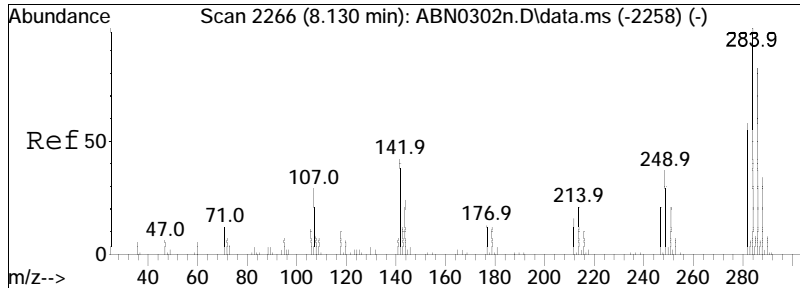




#80  
 4-Bromophenyl phenyl ether  
 Concen: 47.28 ug/ml  
 RT: 7.556 min Scan# 1051  
 Delta R.T. -0.000 min  
 Lab File: ABNICV.D  
 Acq: 21 Nov 2020 1:11 am

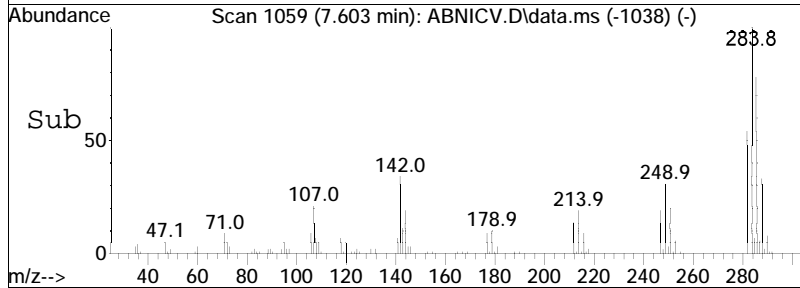
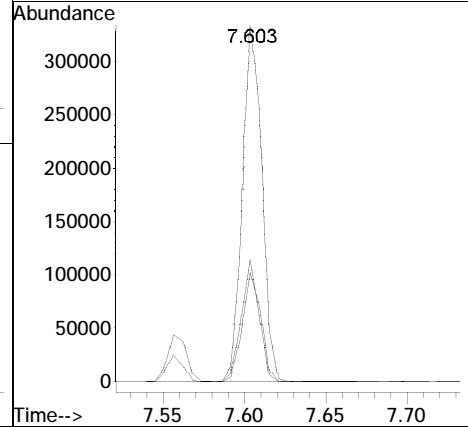
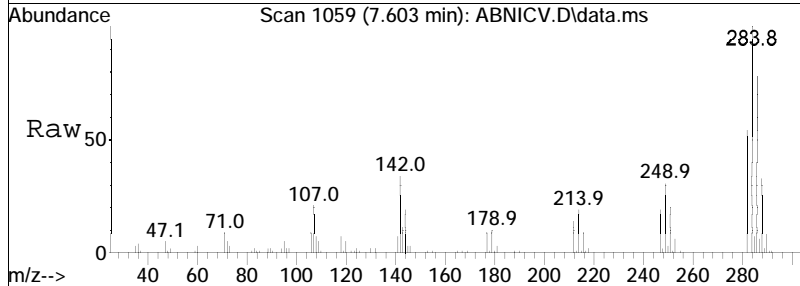
Tgt Ion	Ratio	Lower	Upper
248	100		
141	62.6	68.2	102.4#
250	96.6	76.5	114.7

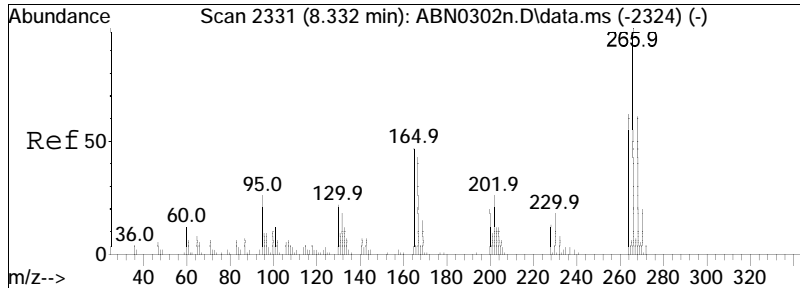




#81  
 Hexachlorobenzene  
 Concen: 46.46 ug/ml  
 RT: 7.603 min Scan# 1059  
 Delta R.T. -0.000 min  
 Lab File: ABNICV.D  
 Acq: 21 Nov 2020 1:11 am

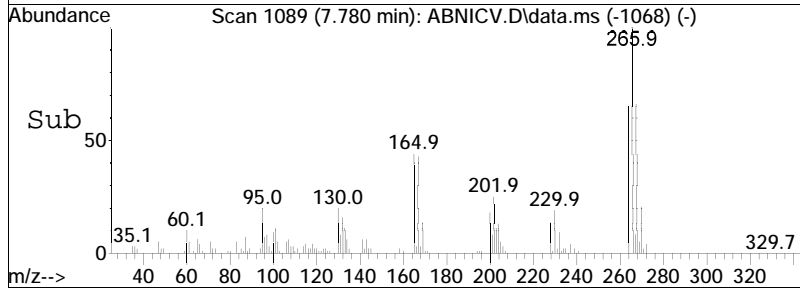
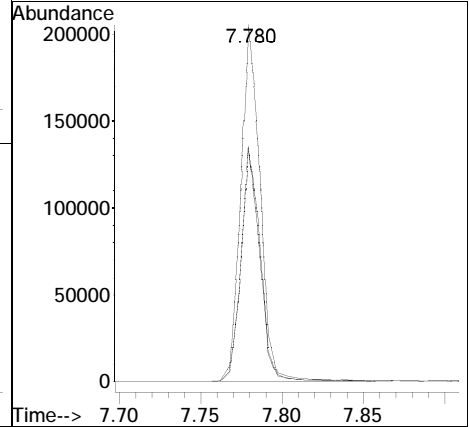
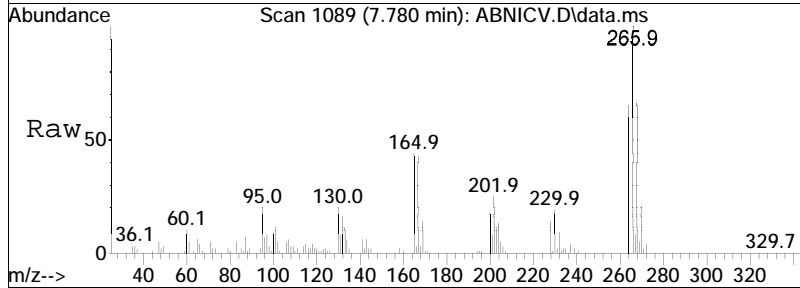
Tgt Ion	Ratio	Lower	Upper
284	100		
142	31.4	38.1	57.1#
249	29.6	20.7	31.1



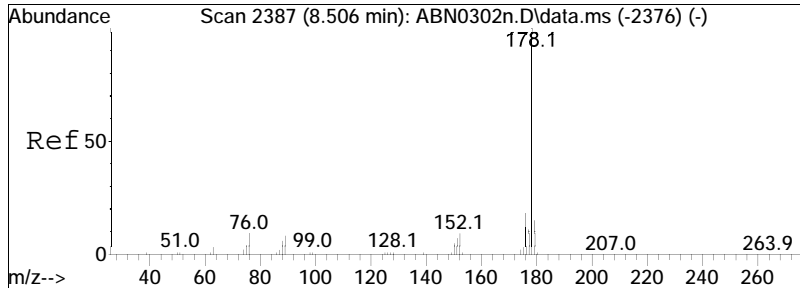


#82  
 Pentachlorophenol  
 Concen: 51.27 ug/ml  
 RT: 7.780 min Scan# 1089  
 Delta R.T. -0.000 min  
 Lab File: ABNICV.D  
 Acq: 21 Nov 2020 1:11 am

Tgt Ion	Resp	Lower	Upper
266	100		
264	63.2	49.4	74.2
268	65.7	51.1	76.7

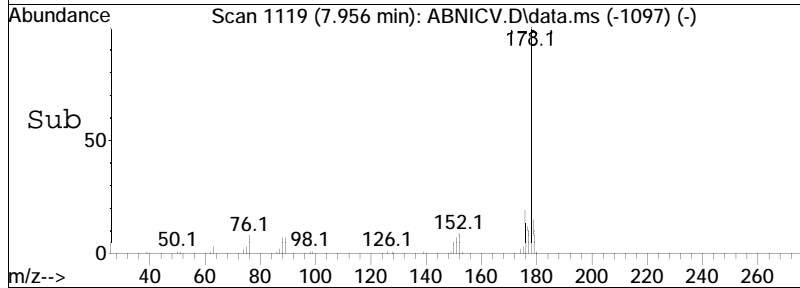
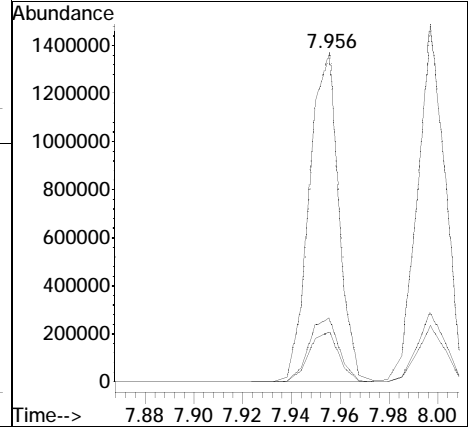
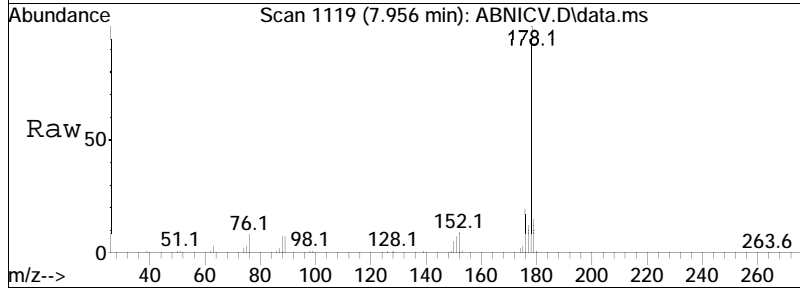


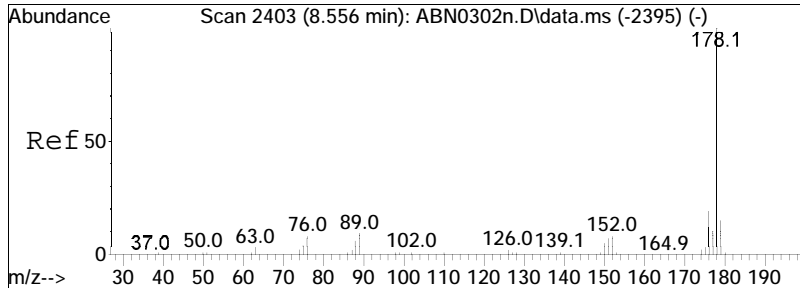




#89  
 Phenanthrene  
 Concen: 46.09 ug/ml  
 RT: 7.956 min Scan# 1119  
 Delta R.T. 0.006 min  
 Lab File: ABNICV.D  
 Acq: 21 Nov 2020 1:11 am

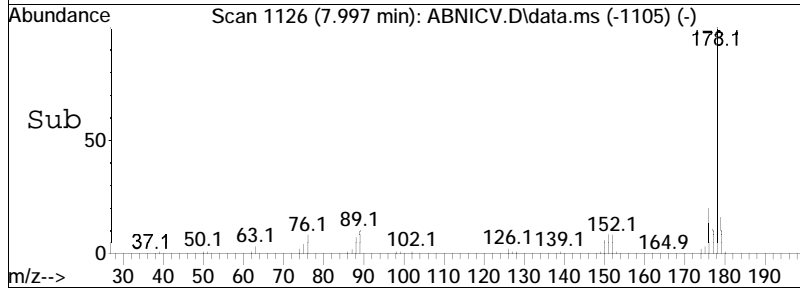
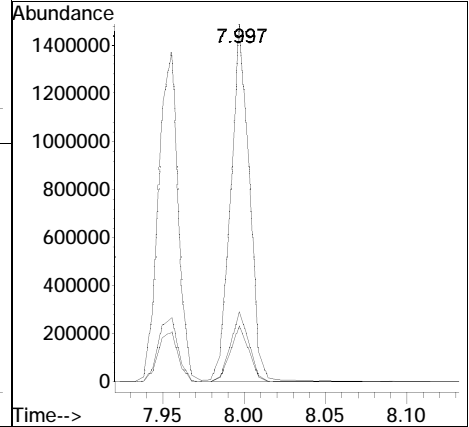
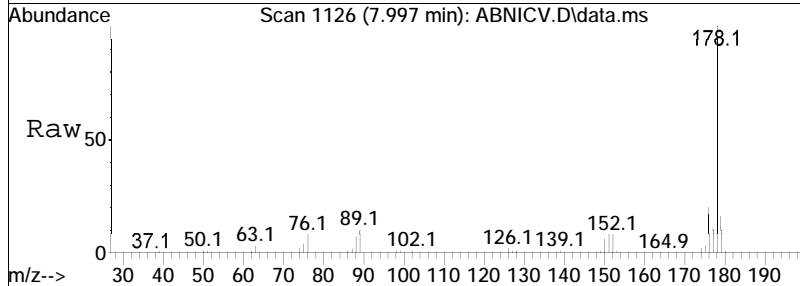
Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.9	19.3
176	19.8	16.7	25.1

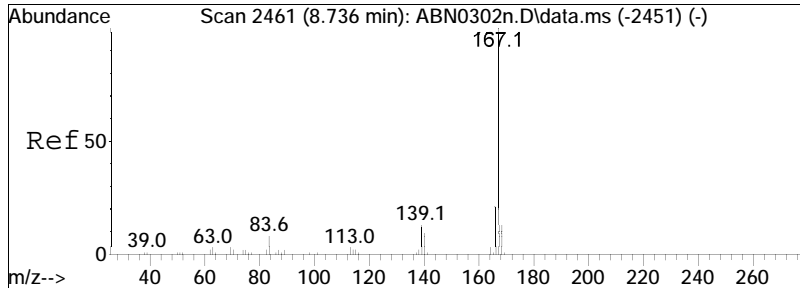




#90  
 Anthracene  
 Concen: 45.30 ug/ml  
 RT: 7.997 min Scan# 1126  
 Delta R.T. -0.000 min  
 Lab File: ABNICV.D  
 Acq: 21 Nov 2020 1:11 am

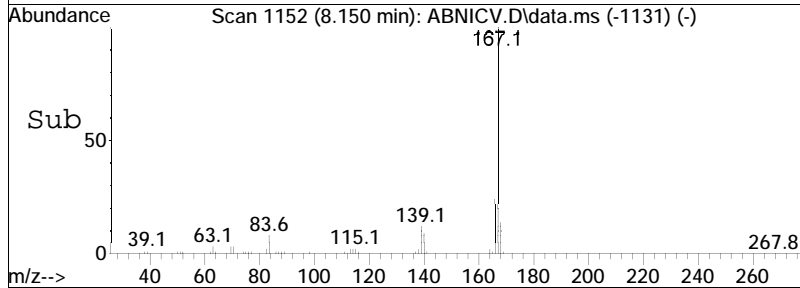
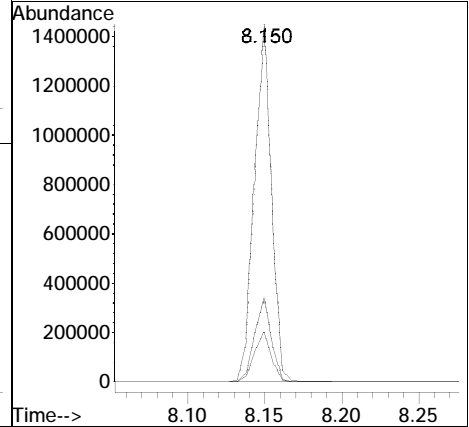
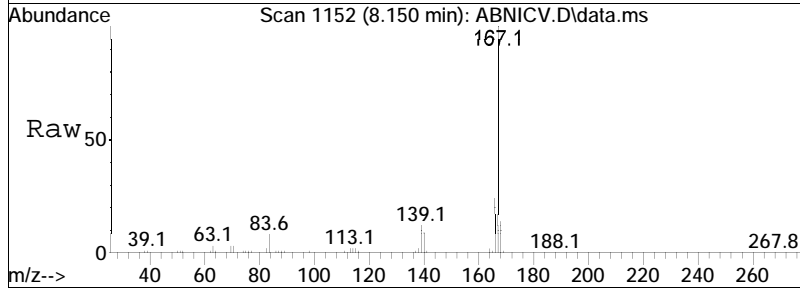
Tgt Ion	Resp	Lower	Upper
178	1182863		
179	15.6	12.7	19.1
176	19.5	16.6	24.8

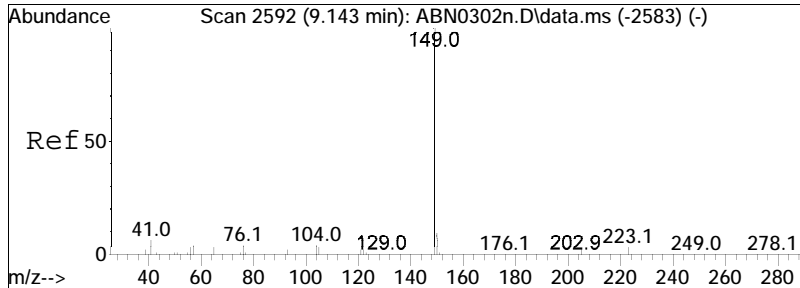




#91  
 Carbazole  
 Concen: 45.80 ug/ml  
 RT: 8.150 min Scan# 1152  
 Delta R.T. -0.000 min  
 Lab File: ABNICV.D  
 Acq: 21 Nov 2020 1:11 am

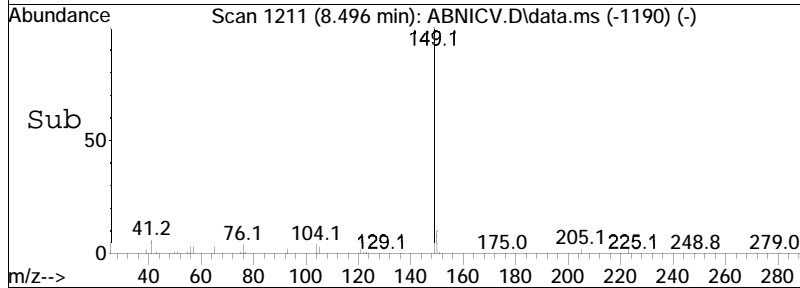
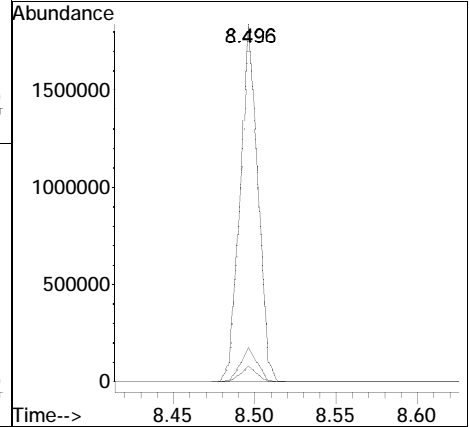
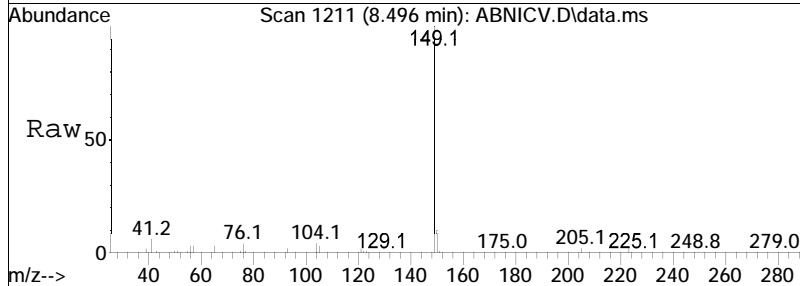
Tgt Ion	Resp	Lower	Upper
167	100		
168	14.1	11.3	16.9
166	23.2	18.9	28.3

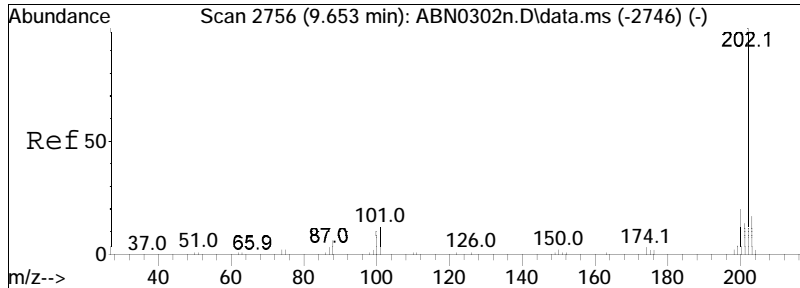




#92  
 Di-n-butylphthalate  
 Concen: 47.46 ug/ml  
 RT: 8.496 min Scan# 1211  
 Delta R.T. -0.000 min  
 Lab File: ABNICV.D  
 Acq: 21 Nov 2020 1:11 am

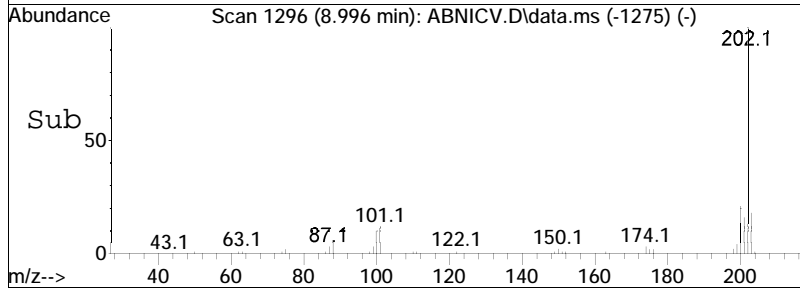
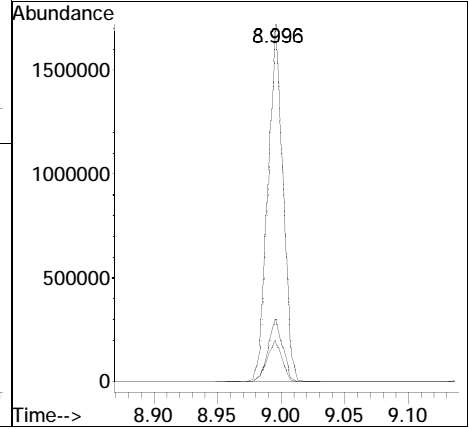
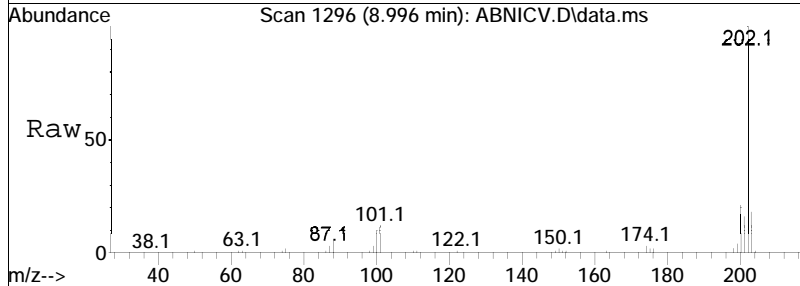
Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.8	11.6
104	4.2	4.8	7.2#

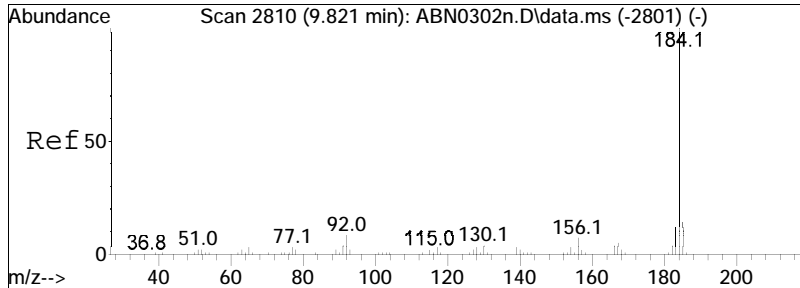




#93  
 Fluoranthene  
 Concen: 46.09 ug/ml  
 RT: 8.996 min Scan# 1296  
 Delta R.T. -0.000 min  
 Lab File: ABNICV.D  
 Acq: 21 Nov 2020 1:11 am

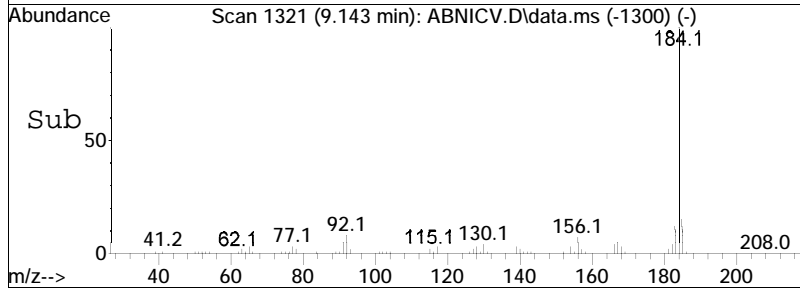
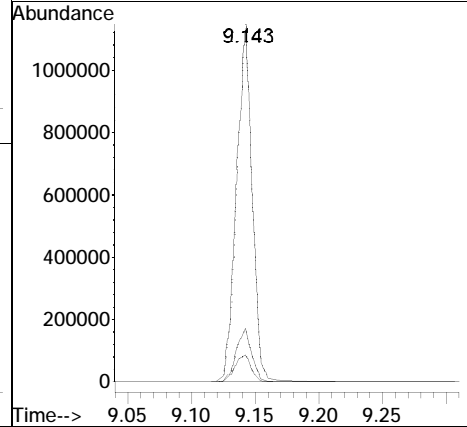
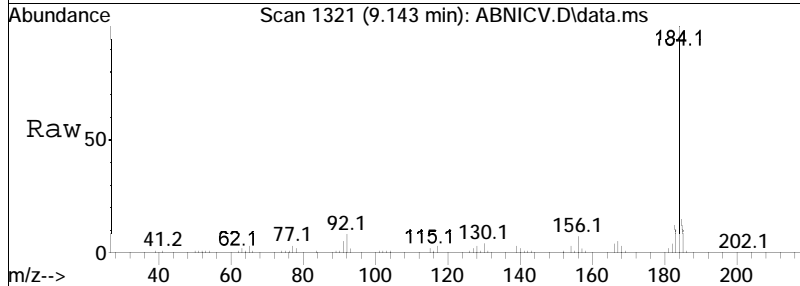
Tgt Ion	202	Resp	1391939
Ion Ratio	Lower	Upper	
202	100		
101	11.9	18.6	28.0#
203	17.4	14.2	21.2

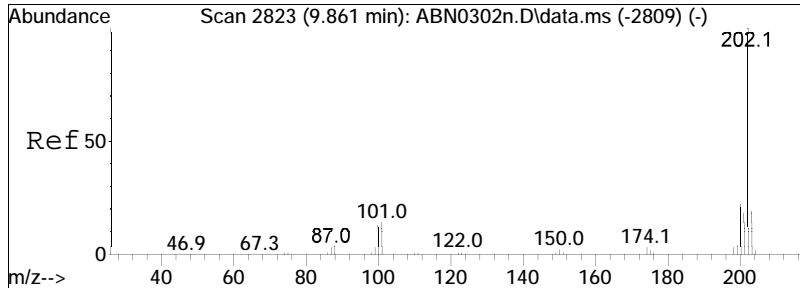




#94  
 Benzidine  
 Concen: 50.18 ug/ml  
 RT: 9.143 min Scan# 1321  
 Delta R.T. -0.000 min  
 Lab File: ABNICV.D  
 Acq: 21 Nov 2020 1:11 am

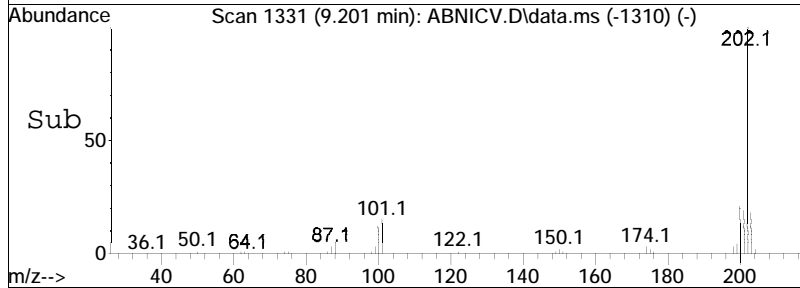
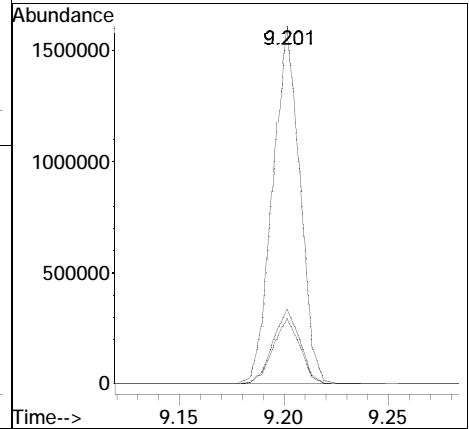
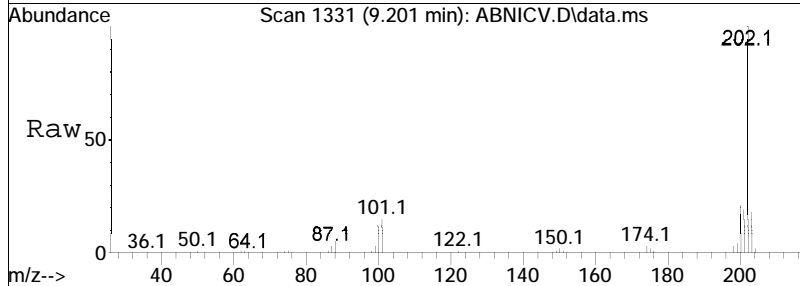
Tgt Ion	Ratio	Lower	Upper
184	100		
92	8.0	11.7	17.5#
185	15.0	12.8	19.2

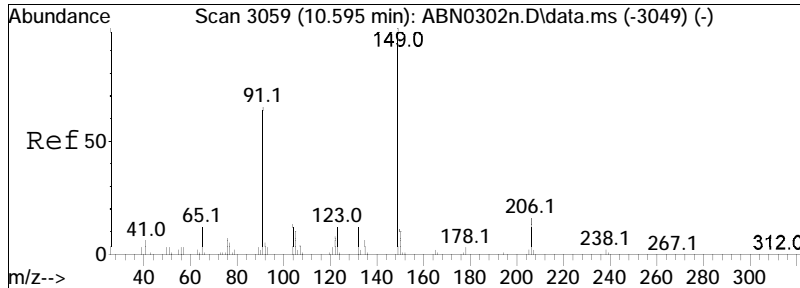




#95  
 Pyrene  
 Concen: 45.01 ug/ml  
 RT: 9.201 min Scan# 1331  
 Delta R.T. -0.000 min  
 Lab File: ABNICV.D  
 Acq: 21 Nov 2020 1:11 am

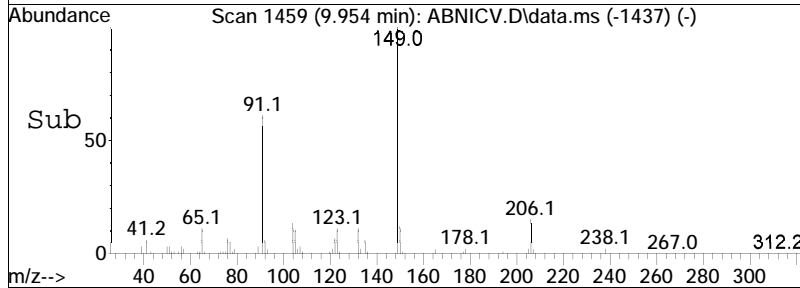
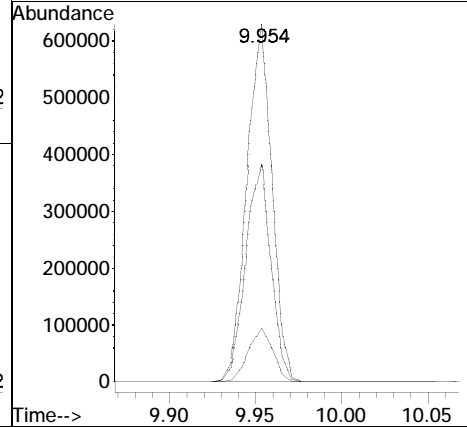
Tgt Ion	Resp	Lower	Upper
202	1432153		
202	100		
200	21.1	17.8	26.8
203	18.2	14.7	22.1



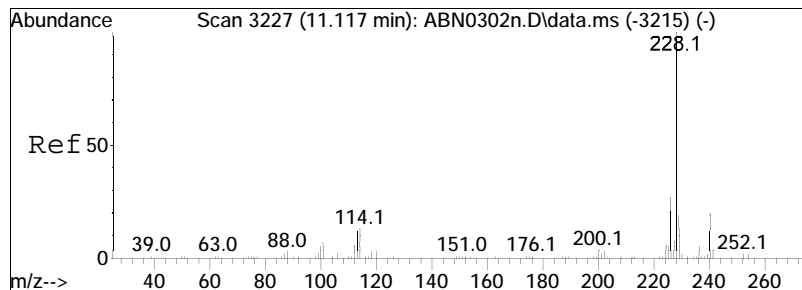


#97  
 Butyl benzyl phthalate  
 Concen: 48.59 ug/ml  
 RT: 9.954 min Scan# 1459  
 Delta R.T. 0.006 min  
 Lab File: ABNICV.D  
 Acq: 21 Nov 2020 1:11 am

Tgt Ion	Ratio	Lower	Upper
149	100		
91	61.5	69.0	103.6#
206	14.9	11.8	17.8

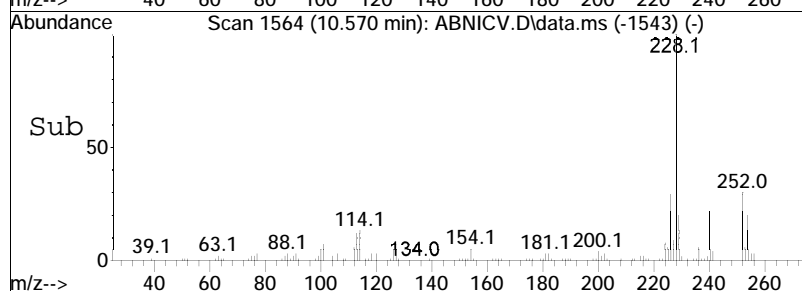
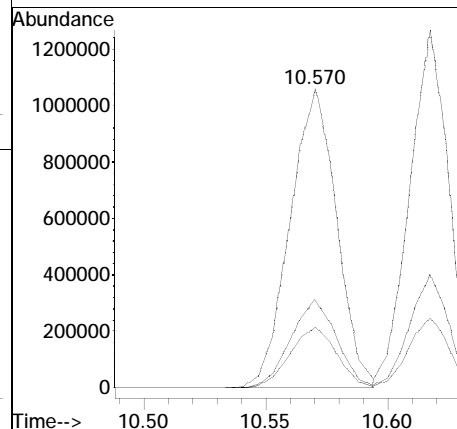
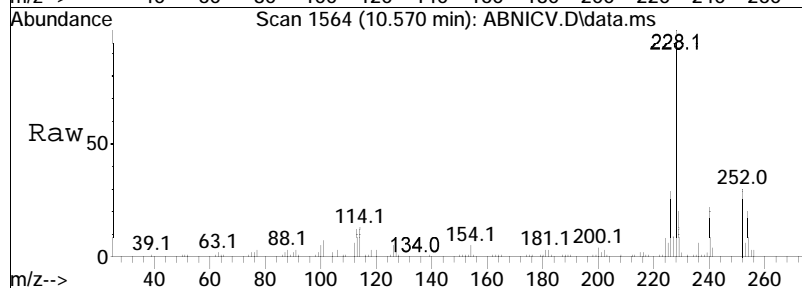


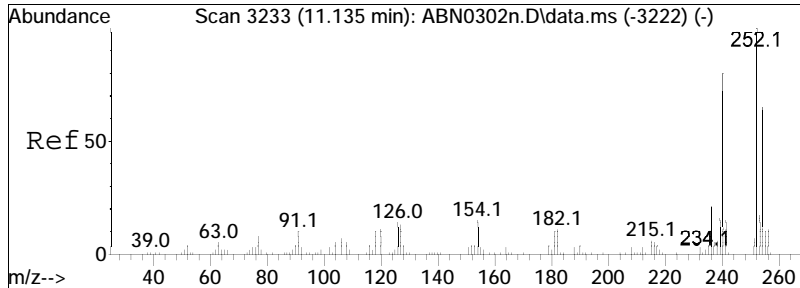




#105  
 Benzo(a)anthracene  
 Concen: 44.08 ug/ml  
 RT: 10.570 min Scan# 1564  
 Delta R.T. -0.000 min  
 Lab File: ABNICV.D  
 Acq: 21 Nov 2020 1:11 am

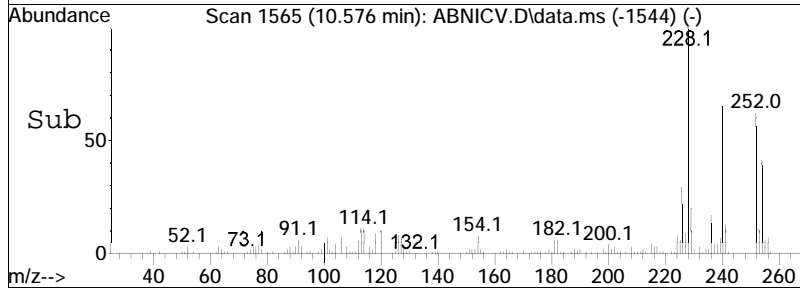
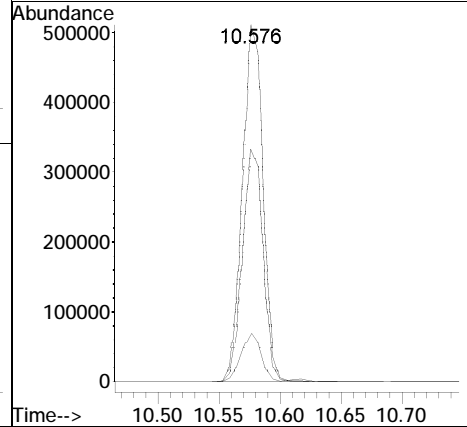
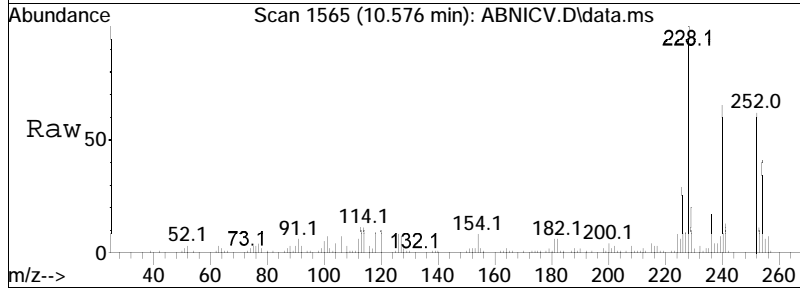
Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.1	23.7	35.5
229	20.3	16.2	24.4

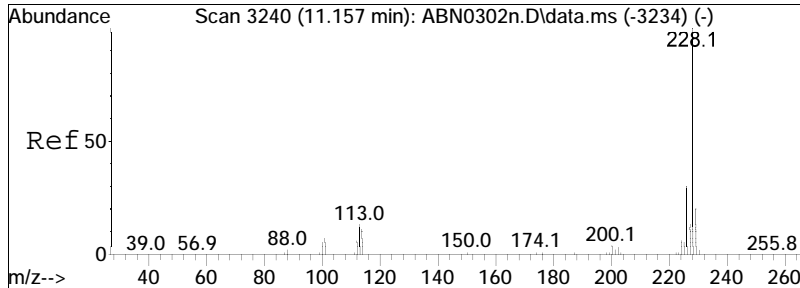




#106  
 3,3'-Dichlorobenzidine  
 Concen: 49.97 ug/ml  
 RT: 10.576 min Scan# 1565  
 Delta R.T. -0.000 min  
 Lab File: ABNICV.D  
 Acq: 21 Nov 2020 1:11 am

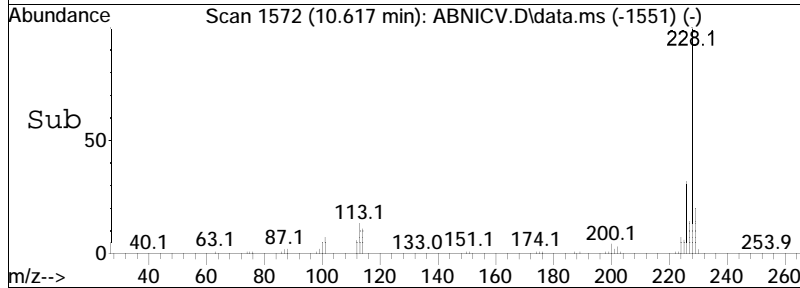
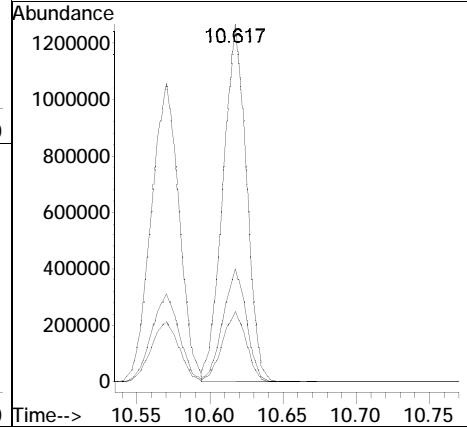
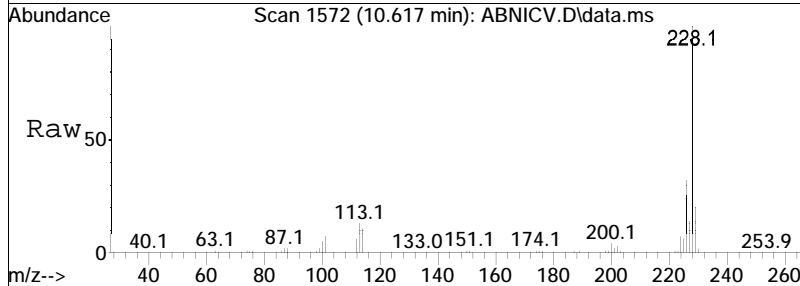
Tgt Ion	Ratio	Lower	Upper
252	100		
126	13.5	17.8	26.6#
254	65.3	51.8	77.6

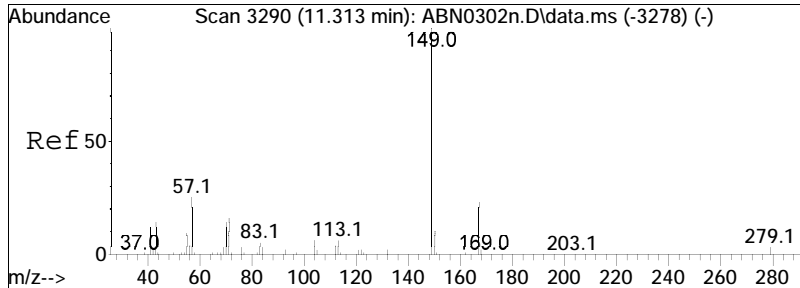




#107  
 Chrysene  
 Concen: 47.54 ug/ml  
 RT: 10.617 min Scan# 1572  
 Delta R.T. -0.001 min  
 Lab File: ABNICV.D  
 Acq: 21 Nov 2020 1:11 am

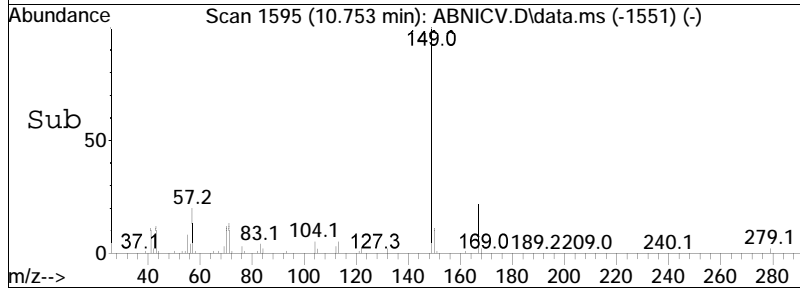
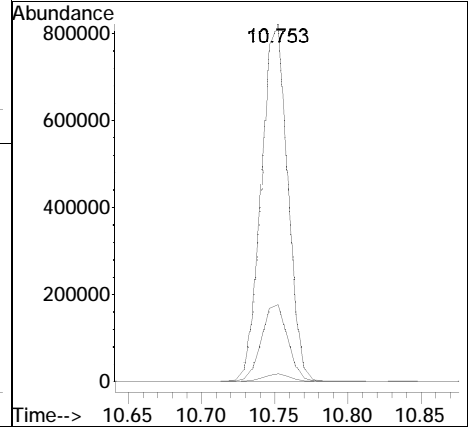
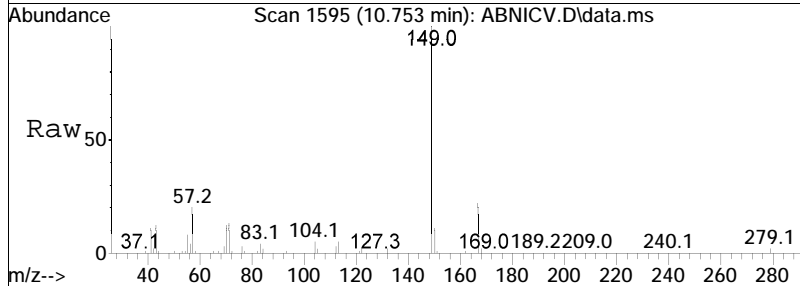
Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.4	25.9	38.9
229	20.0	16.2	24.4

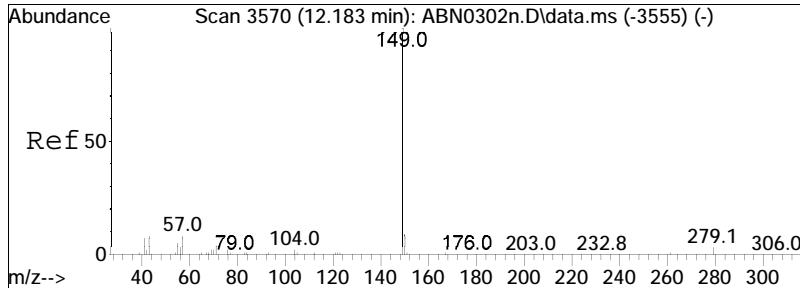




#108  
 Bis(2-ethylhexyl)phthalate  
 Concen: 52.42 ug/ml  
 RT: 10.753 min Scan# 1595  
 Delta R.T. 0.006 min  
 Lab File: ABNICV.D  
 Acq: 21 Nov 2020 1:11 am

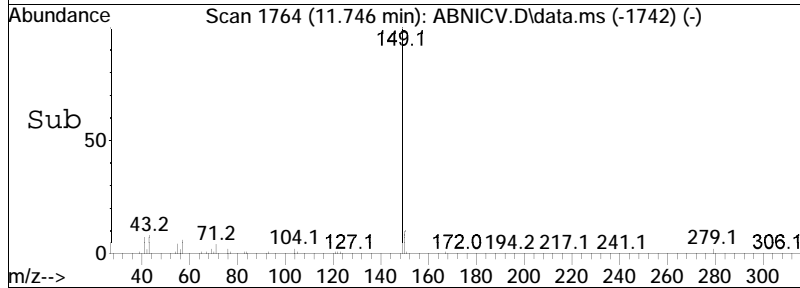
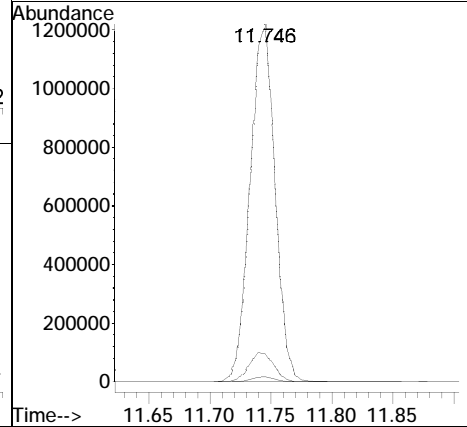
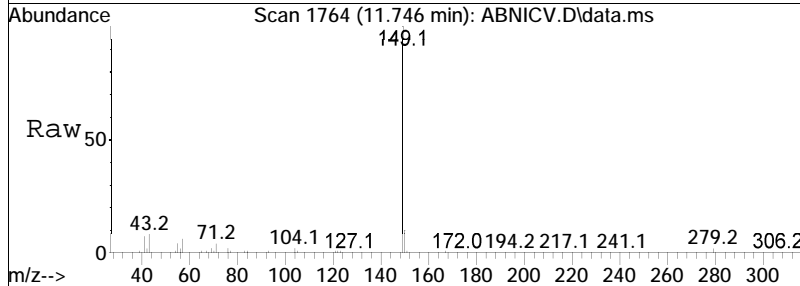
Tgt Ion	Ratio	Lower	Upper
149	100		
167	21.7	21.0	31.4
279	2.0	3.6	5.4#

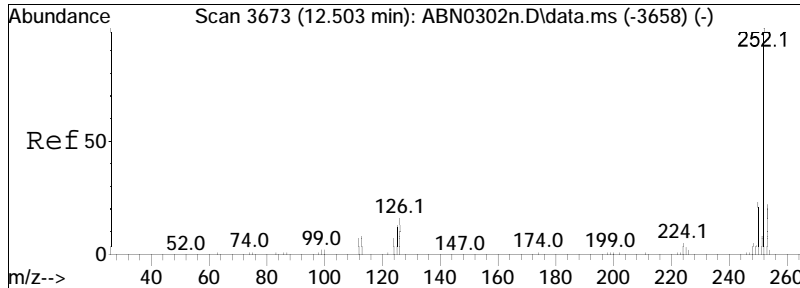




#109  
 Di-n-octylphthalate  
 Concen: 51.53 ug/ml  
 RT: 11.746 min Scan# 1764  
 Delta R.T. 0.006 min  
 Lab File: ABNICV.D  
 Acq: 21 Nov 2020 1:11 am

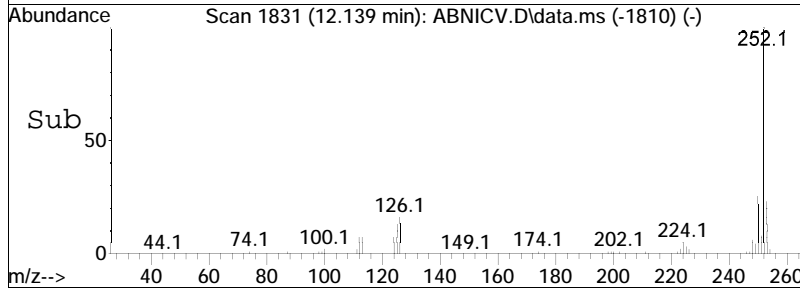
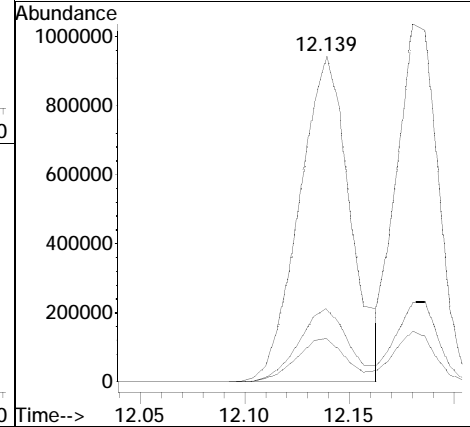
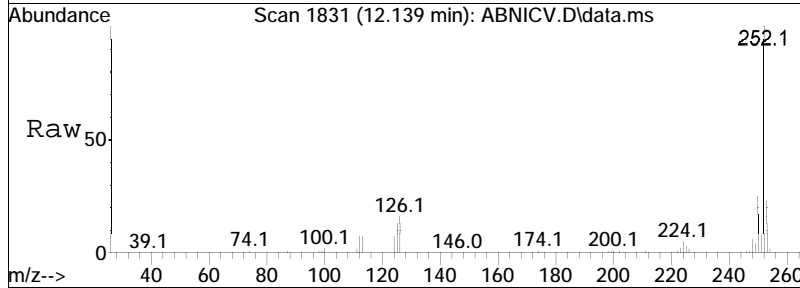
Tgt Ion	Ratio	Lower	Upper
149	100		
43	8.3	8.4	12.6#
167	1.2	1.0	1.6

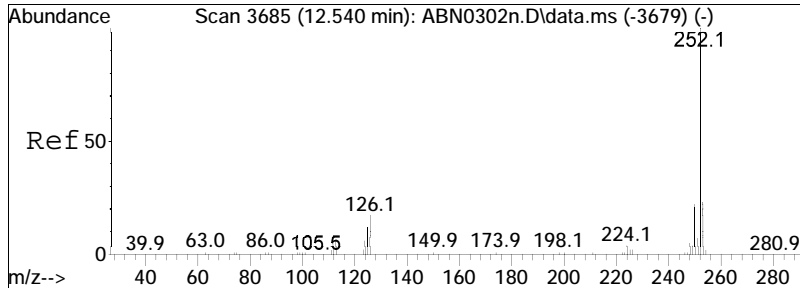




#110  
 Benzo(b)fluoranthene  
 Concen: 49.70 ug/ml  
 RT: 12.139 min Scan# 1831  
 Delta R.T. -0.000 min  
 Lab File: ABNICV.D  
 Acq: 21 Nov 2020 1:11 am

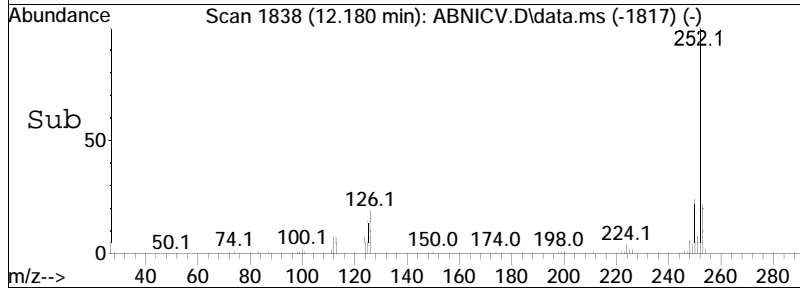
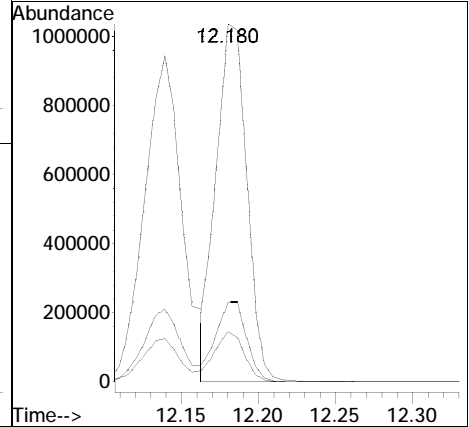
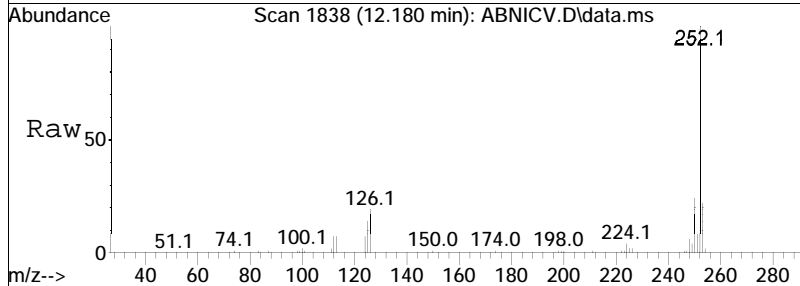
Tgt Ion	Resp	Lower	Upper
252	100		
125	13.0	16.9	25.3#
253	22.4	17.7	26.5

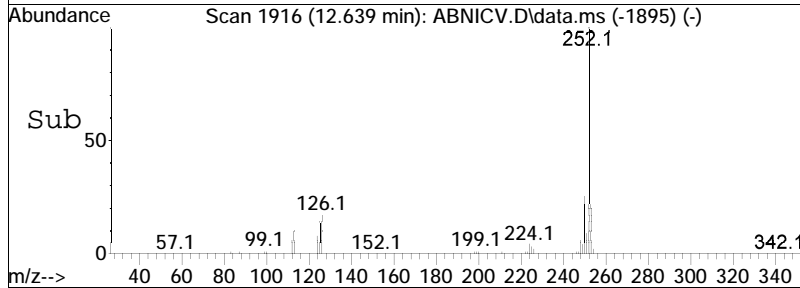
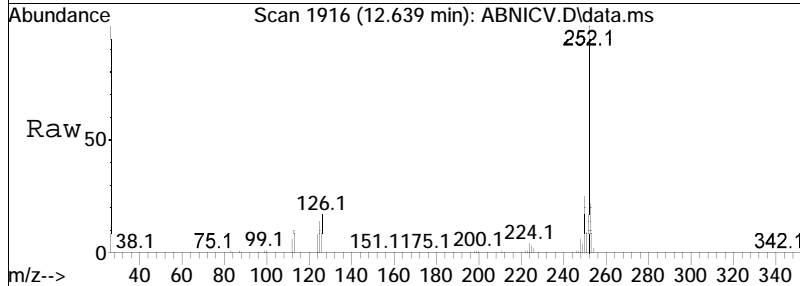
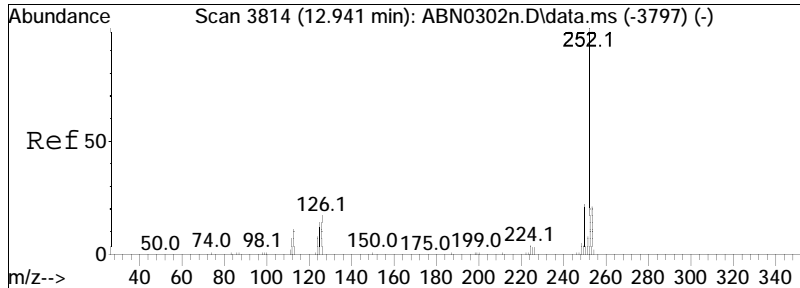




#111  
 Benzo(k)fluoranthene  
 Concen: 47.36 ug/ml  
 RT: 12.180 min Scan# 1838  
 Delta R.T. -0.000 min  
 Lab File: ABNICV.D  
 Acq: 21 Nov 2020 1:11 am

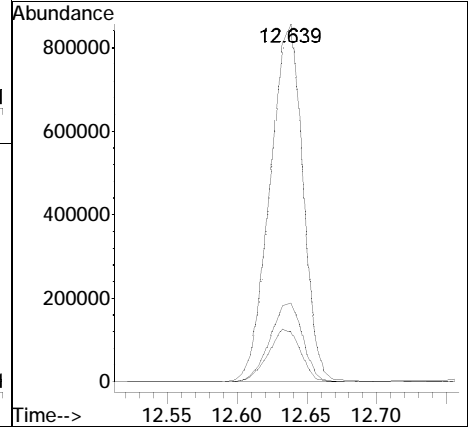
Tgt Ion	Resp	Lower	Upper
252	100		
125	14.2	16.6	25.0#
253	22.2	17.7	26.5



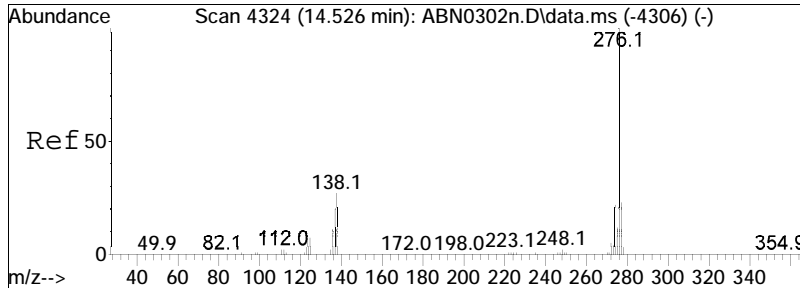


#112  
 Benzo(a)pyrene  
 Concen: 51.01 ug/ml  
 RT: 12.639 min Scan# 1916  
 Delta R.T. -0.000 min  
 Lab File: ABNICV.D  
 Acq: 21 Nov 2020 1:11 am

Tgt Ion	Ratio	Lower	Upper
252	100		
125	14.8	18.3	27.5#
253	22.2	17.6	26.4

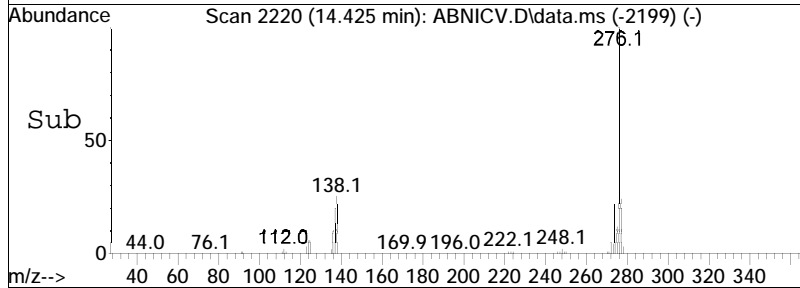
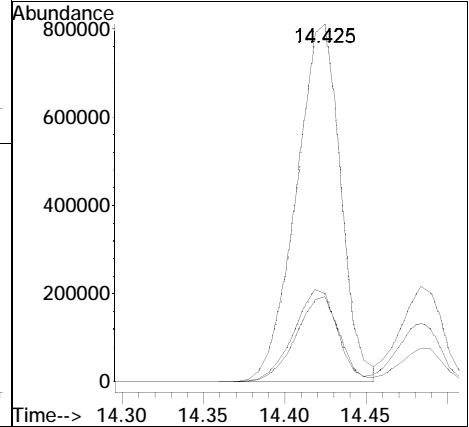
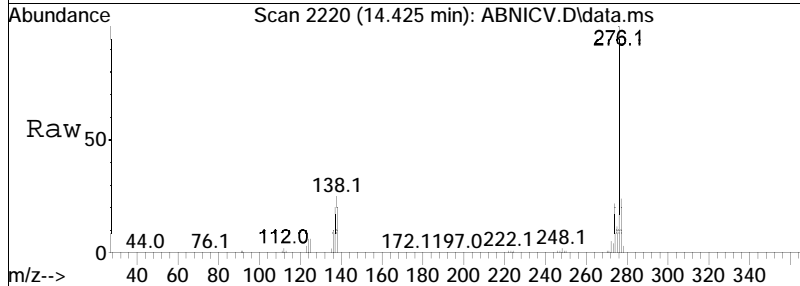


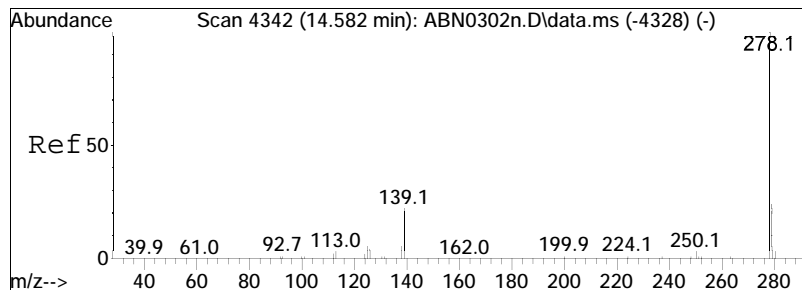




#114  
 Indeno(1,2,3-cd)pyrene  
 Concen: 50.20 ug/mL  
 RT: 14.425 min Scan# 2220  
 Delta R.T. -0.000 min  
 Lab File: ABNICV.D  
 Acq: 21 Nov 2020 1:11 am

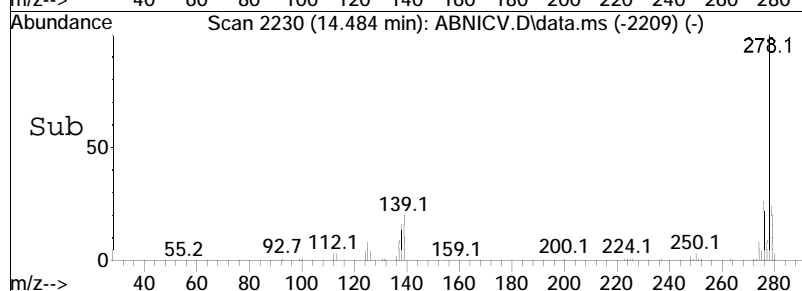
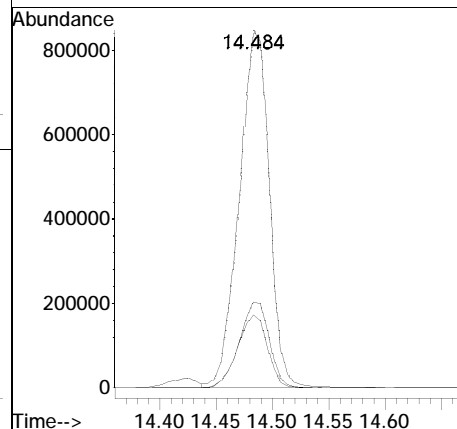
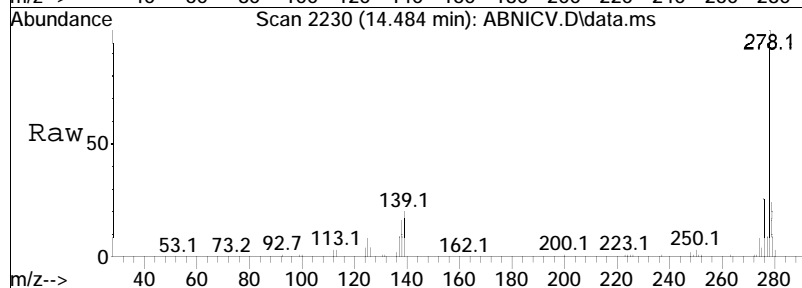
Tgt Ion	Ratio	Lower	Upper
276	100		
138	25.6	29.6	44.4#
277	23.8	19.1	28.7

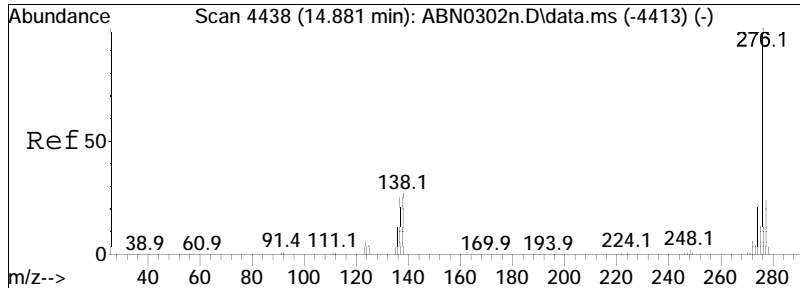




#115  
 Dibenzo(a,h)anthracene  
 Concen: 49.80 ug/ml  
 RT: 14.484 min Scan# 2230  
 Delta R.T. -0.000 min  
 Lab File: ABNICV.D  
 Acq: 21 Nov 2020 1:11 am

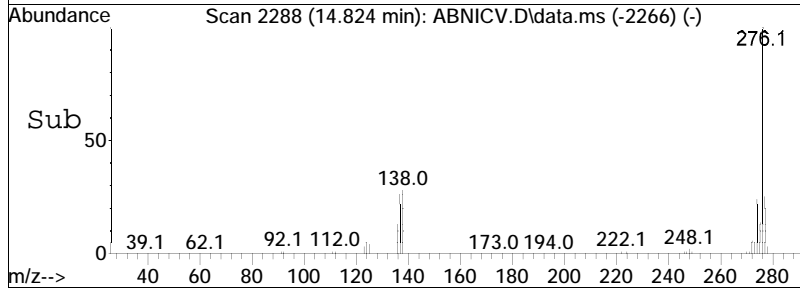
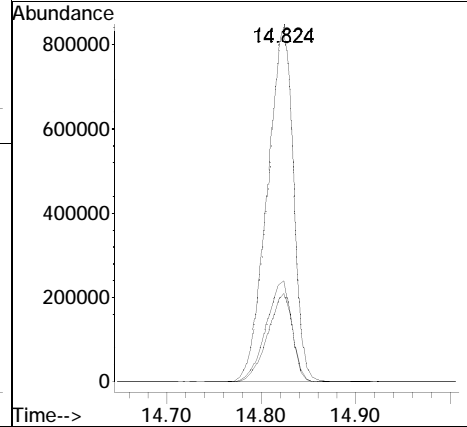
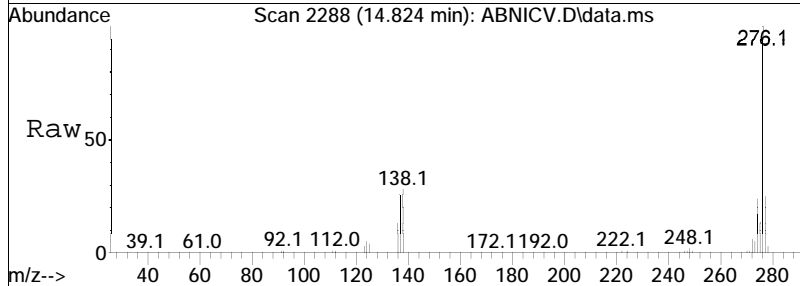
Tgt Ion	Resp	Lower	Upper
278	100		
139	20.5	24.7	37.1#
279	24.2	19.6	29.4





#116  
 Benzo(ghi)perylene  
 Concen: 49.26 ug/ml  
 RT: 14.824 min Scan# 2288  
 Delta R.T. 0.006 min  
 Lab File: ABNICV.D  
 Acq: 21 Nov 2020 1:11 am

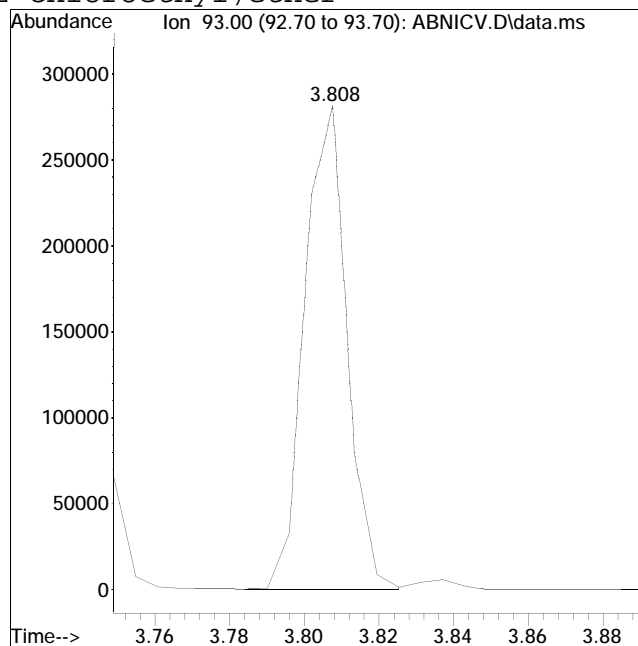
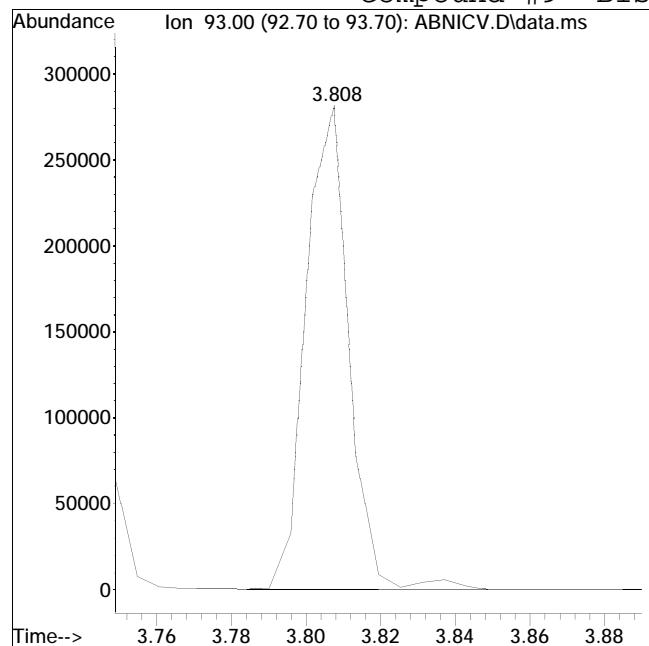
Tgt Ion	Resp	Lower	Upper
276	100		
138	28.1	43.5	65.3#
277	24.4	22.6	33.8



Manual Integration Report

Data Path : I:\8270\Buffy\201120ical\ QMethod : FS201120buffy.m  
Data File : ABNICV.D Operator : Buffy:als  
Date Inj'd : 11/21/2020 1:11 am Instrument : Buffy  
Sample : CQICV1,32,,ABNICV Lot# 890Quant Date : 11/24/2020 3:32 pm

Compound #9: Bis(2-chloroethyl)ether



Original Peak Response = 226643

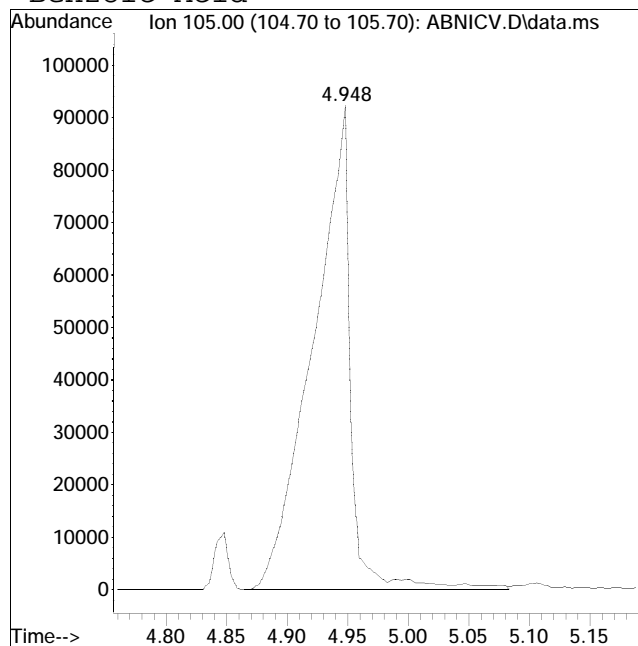
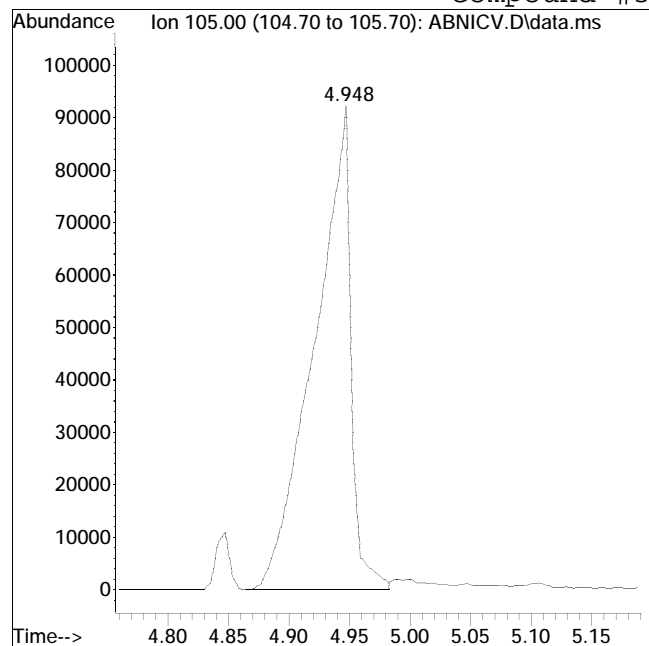
Manual Peak Response = 222419 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : I:\8270\Buffy\201120ical\ QMethod : FS201120buffy.m  
Data File : ABNICV.D Operator : Buffy:als  
Date Inj'd : 11/21/2020 1:11 am Instrument : Buffy  
Sample : CQICV1,32,,ABNICV Lot# 890Quant Date : 11/24/2020 3:32 pm

Compound #37: Benzoic Acid



Original Peak Response = 192633

Manual Peak Response = 199383 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Evaluate Continuing Calibration Report

Data Path : I:\8270\Buffy\201120ical\  
 Data File : AP9ICV.D  
 Acq On : 21 Nov 2020 1:33 am  
 Operator : Buffy:als  
 Sample : CQICV2,32,,AP9ICV Lot# 8898  
 Misc : WG1439209,,  
 ALS Vial : 22 Sample Multiplier: 1

Quant Time: Nov 24 16:37:02 2020  
 Quant Method : I:\8270\Buffy\201120ical\FS201120buffy.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Tue Nov 24 16:35:08 2020  
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
27 I	IS2_1,4-Dichlorobenzene-d4	1.000	1.000	0.0	99	0.00
28 T	Benzaldehyde	1.014	0.944	6.9	94	0.00
29 T	Acetophenone	1.686	1.596	5.3	96	0.00
30 T	m-Toluidine	1.687	1.624	3.7	97	0.00
31 T	2-Chloroaniline	1.563	1.461	6.5	94	0.00
55 I	IS2_Naphthalene-d8	1.000	1.000	0.0	100	0.00
56 T	a-Terpineol	0.243	0.226	7.0	92	0.00
57 T	3-Chloroaniline	0.123	0.113	8.1	94	0.00
58 T	2,6-Dichlorophenol	0.276	0.269	2.5	94	0.00
59 T	1-chloro-2-nitrobenzene	0.132	0.123	6.8	93	0.00
60 T	Caprolactam	0.139	0.133	4.3	92	0.00
61 T	1,2,4,5-Tetrachlorobenzene	0.358	0.330	7.8	94	0.00
62 T	Biphenyl	0.857	0.783	8.6	94	0.00
83 I	IS2_Acenaphthene-d10	1.000	1.000	0.0	101	0.00
84 T	Dichloran	0.185	0.175	5.4	90	0.00
85 T	Pentachloronitrobenzene	0.182	0.173	4.9	94	0.00
98 I	IS2_Phenanthrene-d10	1.000	1.000	0.0	100	0.00
99 T	Diphenamid	0.484	0.467	3.5	93	0.00

\* Evaluation of CC level amount vs concentration.  
 (#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Buffy\201120ical\  
 Data File : AP9ICV.D  
 Acq On : 21 Nov 2020 1:33 am  
 Operator : Buffy:als  
 Sample : CQICV2,32,,AP9ICV Lot# 8898  
 Misc : WG1439209,,  
 ALS Vial : 22 Sample Multiplier: 1

Quant Time: Nov 24 16:37:02 2020  
 Quant Method : I:\8270\Buffy\201120ical\FS201120buffy.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Tue Nov 24 16:35:08 2020  
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Buffy\201120ical\AP9L7.D  
 Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----						
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	4.013	152	223948	40.000	ug/ml	0.00
Standard Area 1 = 225293			Recovery	=	99.40%	
55) IS2_Naphthalene-d8	5.106	136	854434	40.000	ug/ml	0.00
Standard Area 1 = 855563			Recovery	=	99.87%	
83) IS2_Acenaphthene-d10	6.640	164	510144	40.000	ug/ml	0.00
Standard Area 1 = 506873			Recovery	=	100.65%	
98) IS2_Phenanthrene-d10	7.932	188	1076478	40.000	ug/ml	0.00
Standard Area 1 = 1073393			Recovery	=	100.29%	

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
28) Benzaldehyde	3.643	105	264163	46.510	ug/ml	88
29) Acetophenone	4.366	105	446875	47.337	ug/ml#	87
30) m-Toluidine	4.436	106	454533	48.122	ug/ml	97
31) 2-Chloroaniline	4.754	127	409069	46.759	ug/ml	99
56) a-Terpineol	5.153	59	241516	46.597	ug/ml	83
57) 3-Chloroaniline	5.171	65	120978	46.108	ug/ml	97
58) 2,6-Dichlorophenol	5.194	162	287766	48.840	ug/ml	97
59) 1-chloro-2-nitrobenzene	5.418	111	131195	46.394	ug/ml#	86
60) Caprolactam	5.459	55	142409	47.984	ug/ml#	68
61) 1,2,4,5-Tetrachloroben...	5.882	216	351990	46.081	ug/ml	98
62) Biphenyl	6.146	154	836259	45.704	ug/ml	99
84) Dichloran	7.662	206	111714	47.321	ug/ml#	67
85) Pentachloronitrobenzene	7.791	237	110582	47.523	ug/ml#	78
99) Diphenamid	8.749	167	628868	48.267	ug/ml#	61

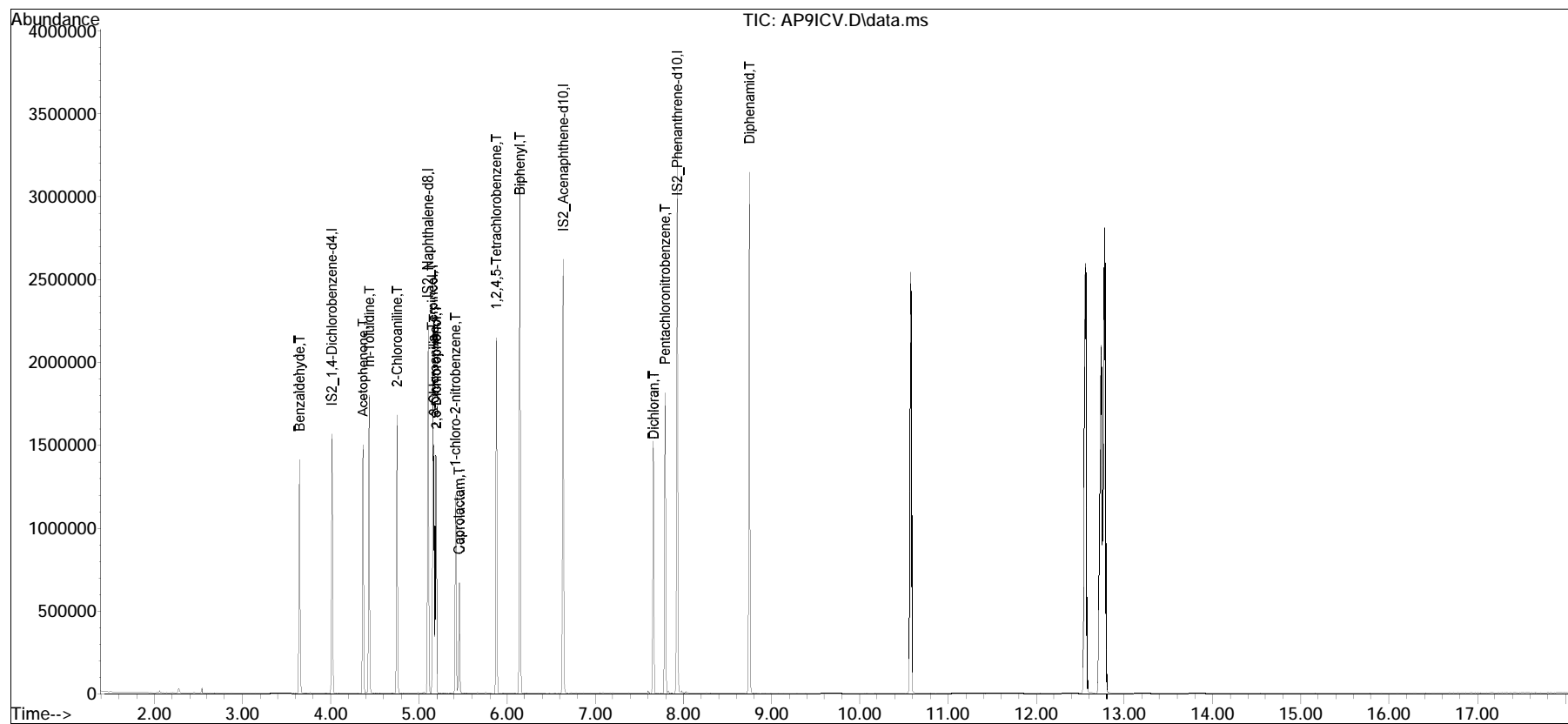
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

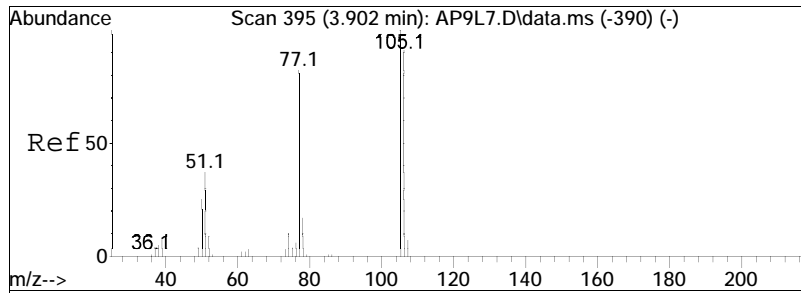
Data Path : I:\8270\Buffy\201120ical\  
 Data File : AP9ICV.D  
 Acq On : 21 Nov 2020 1:33 am  
 Operator : Buffy:als  
 Sample : CQICV2,32,,AP9ICV Lot# 8898  
 Misc : WG1439209,,  
 ALS Vial : 22 Sample Multiplier: 1

Quant Time: Nov 24 16:37:02 2020  
 Quant Method : I:\8270\Buffy\201120ical\FS201120buffy.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Tue Nov 24 16:35:08 2020  
 Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistal\AP9L7.D•

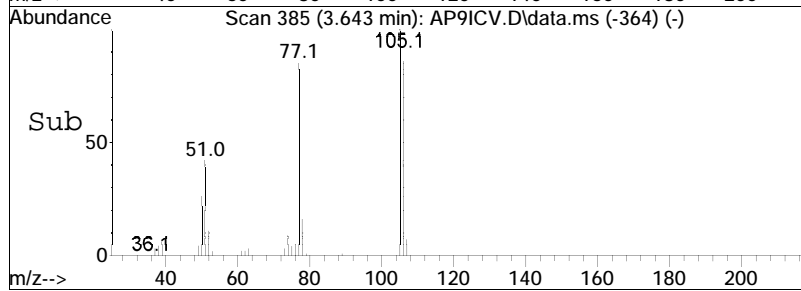
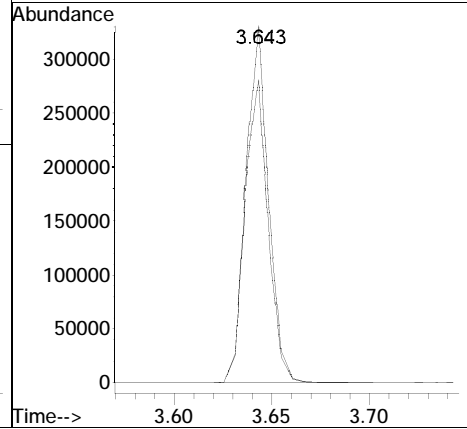
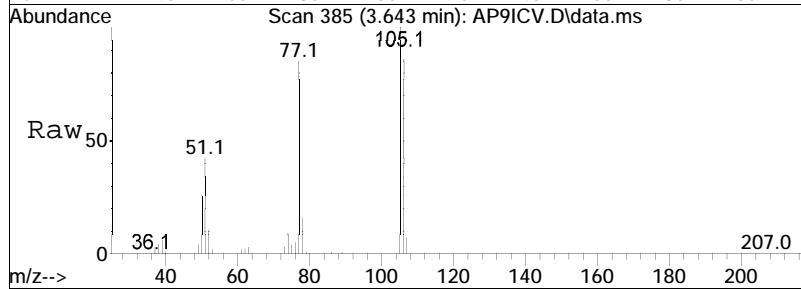


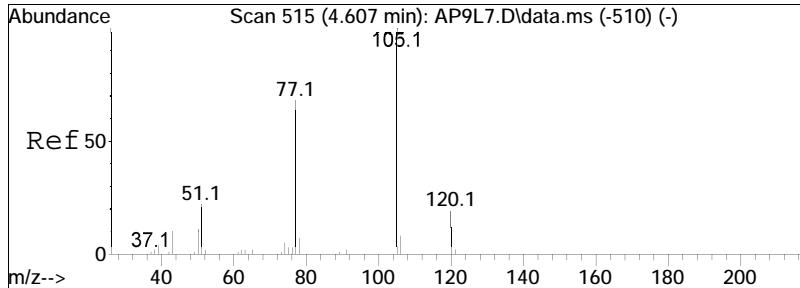




#28  
 Benzaldehyde  
 Concen: 46.51 ug/ml  
 RT: 3.643 min Scan# 385  
 Delta R.T. -0.000 min  
 Lab File: AP9ICV.D  
 Acq: 21 Nov 2020 1:33 am

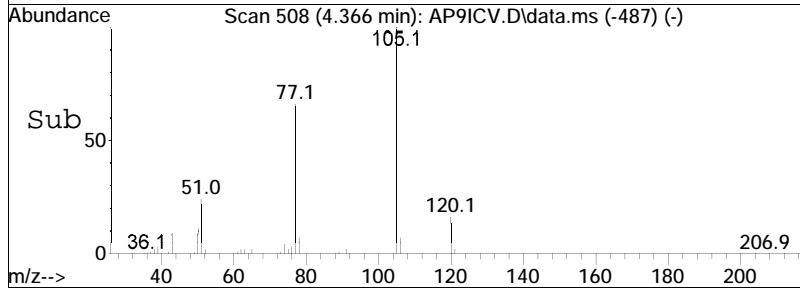
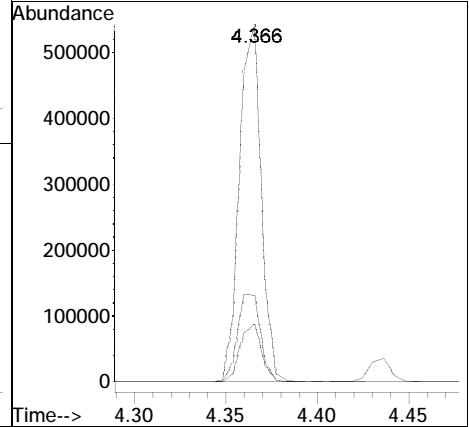
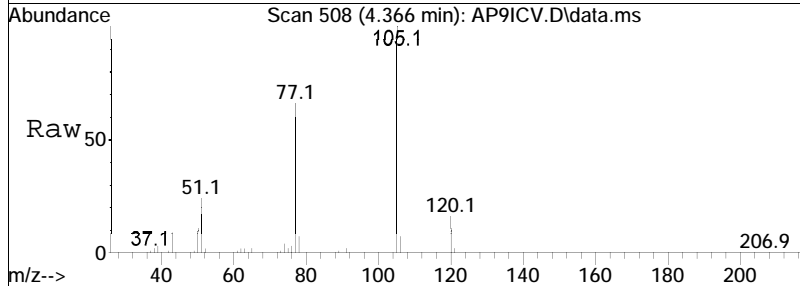
Tgt Ion:105 Resp: 264163  
 Ion Ratio Lower Upper  
 105 100  
 77 87.4 79.4 119.0

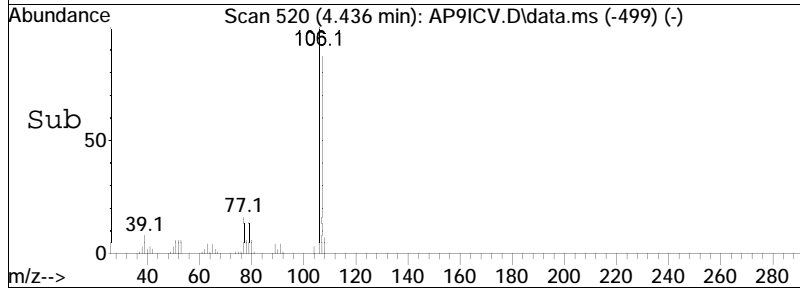
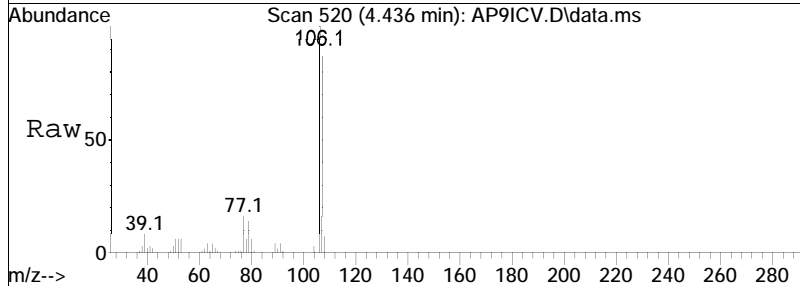
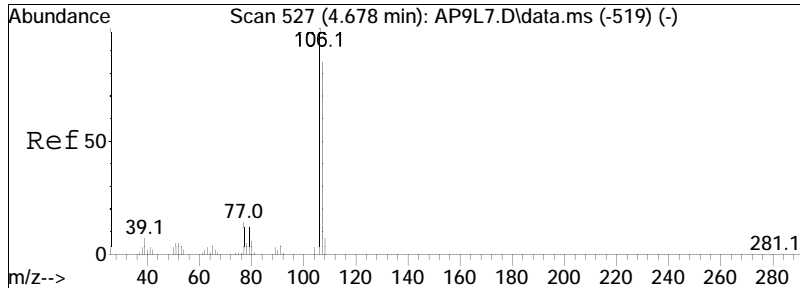




#29  
 Acetophenone  
 Concen: 47.34 ug/ml  
 RT: 4.366 min Scan# 508  
 Delta R.T. -0.000 min  
 Lab File: AP9ICV.D  
 Acq: 21 Nov 2020 1:33 am

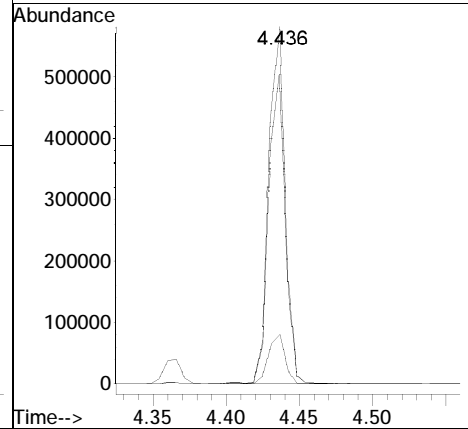
Tgt Ion	Ratio	Lower	Upper
105	100		
120	16.0	19.9	29.9#
51	25.7	17.8	26.6

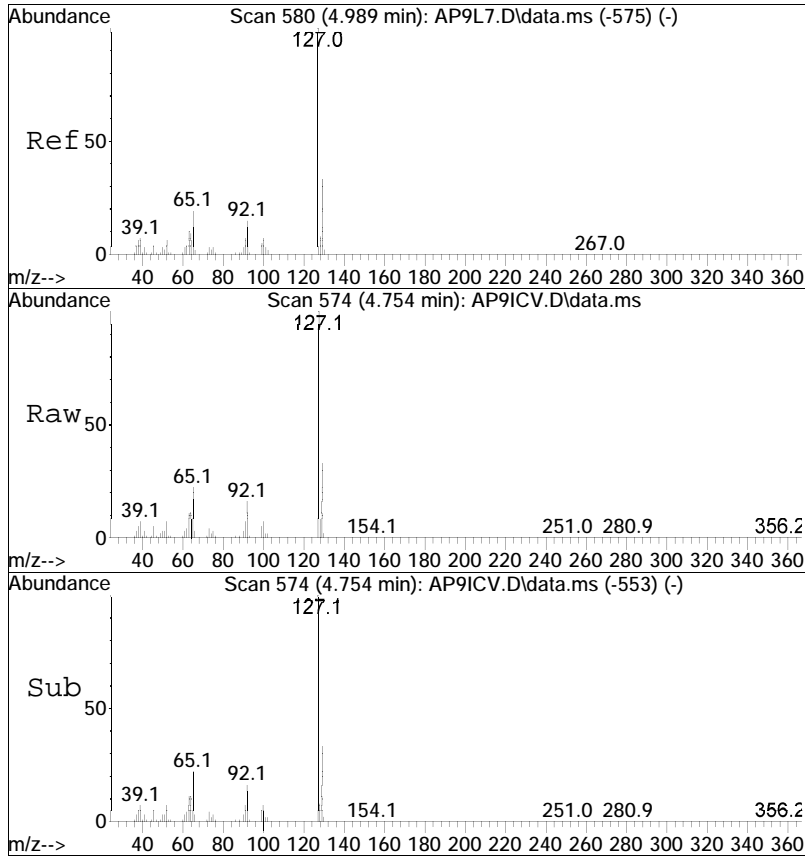




#30  
 m-Toluidine  
 Concen: 48.12 ug/ml  
 RT: 4.436 min Scan# 520  
 Delta R.T. -0.000 min  
 Lab File: AP9ICV.D  
 Acq: 21 Nov 2020 1:33 am

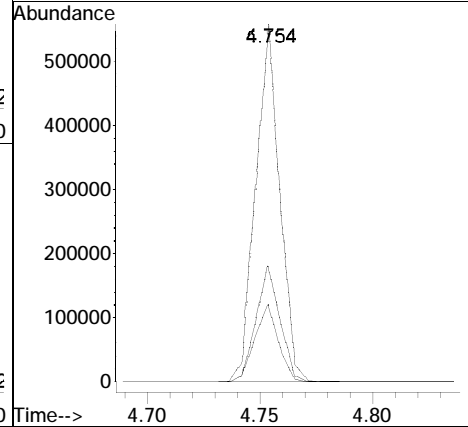
Tgt Ion	Ratio	Lower	Upper
106	100		
107	87.9	72.6	109.0
79	14.1	11.2	16.8

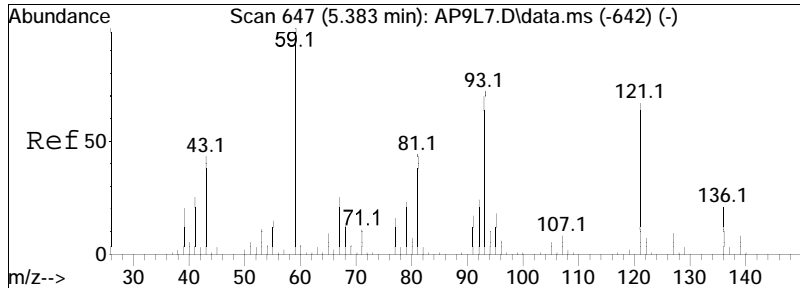




#31  
 2-Chloroaniline  
 Concen: 46.76 ug/ml  
 RT: 4.754 min Scan# 574  
 Delta R.T. -0.000 min  
 Lab File: AP9ICV.D  
 Acq: 21 Nov 2020 1:33 am

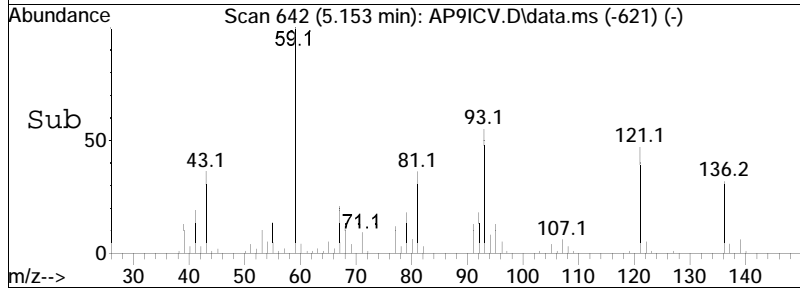
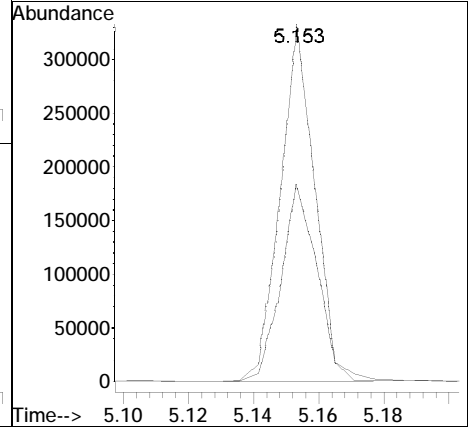
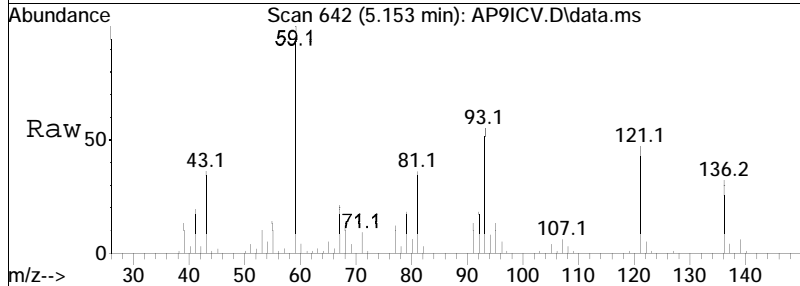
Tgt Ion	Ratio	Lower	Upper
127	100		
129	32.6	26.0	39.0
65	21.5	17.7	26.5

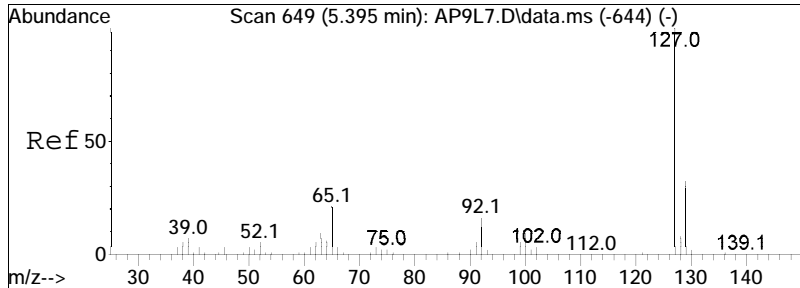




#56  
 a-Terpineol  
 Concen: 46.60 ug/ml  
 RT: 5.153 min Scan# 642  
 Delta R.T. -0.000 min  
 Lab File: AP9ICV.D  
 Acq: 21 Nov 2020 1:33 am

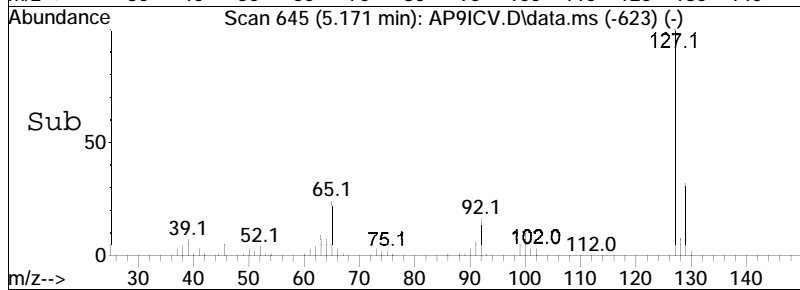
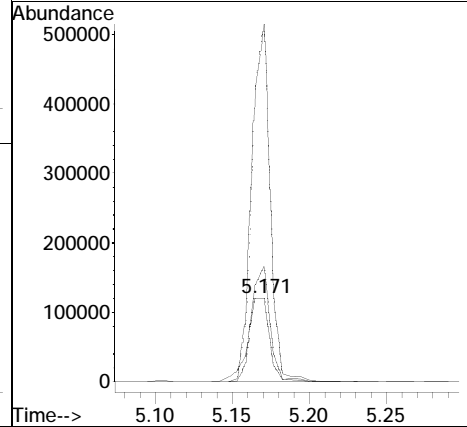
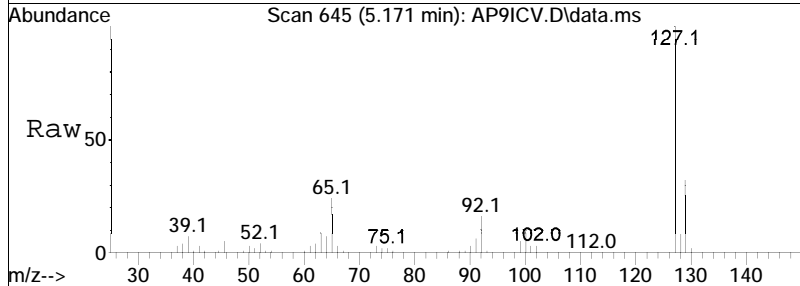
Tgt Ion:	59	Resp:	241516
Ion Ratio	100	Lower	Upper
	93	59.6	59.1 88.7

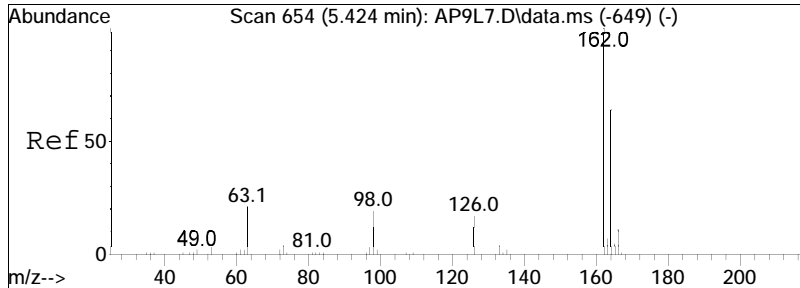




#57  
 3-Chloroaniline  
 Concen: 46.11 ug/ml  
 RT: 5.171 min Scan# 645  
 Delta R.T. 0.006 min  
 Lab File: AP9ICV.D  
 Acq: 21 Nov 2020 1:33 am

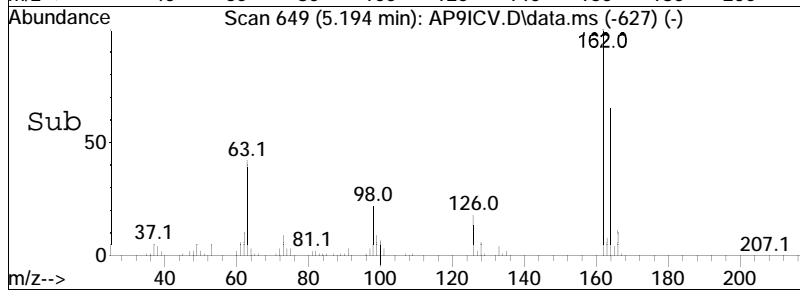
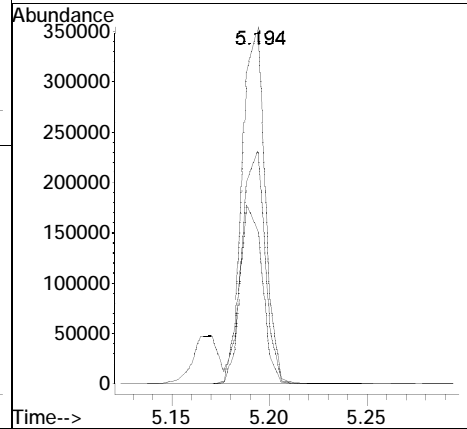
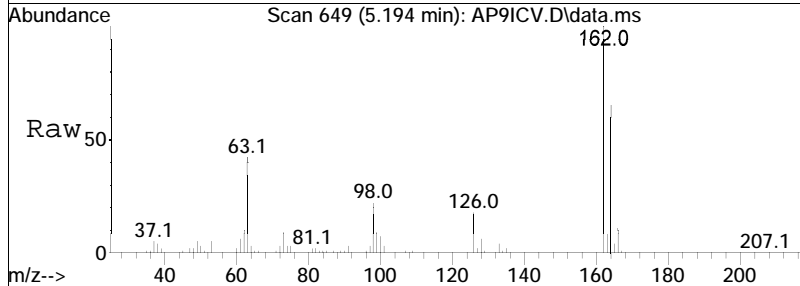
Tgt Ion:	Resp:		
Ion	Ratio	Lower	Upper
65	100		
127	347.8	273.4	410.2
129	112.9	88.0	132.0

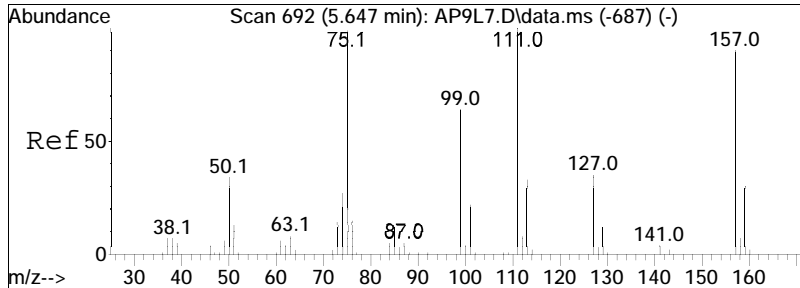




#58  
 2,6-Dichlorophenol  
 Concen: 48.84 ug/ml  
 RT: 5.194 min Scan# 649  
 Delta R.T. 0.006 min  
 Lab File: AP9ICV.D  
 Acq: 21 Nov 2020 1:33 am

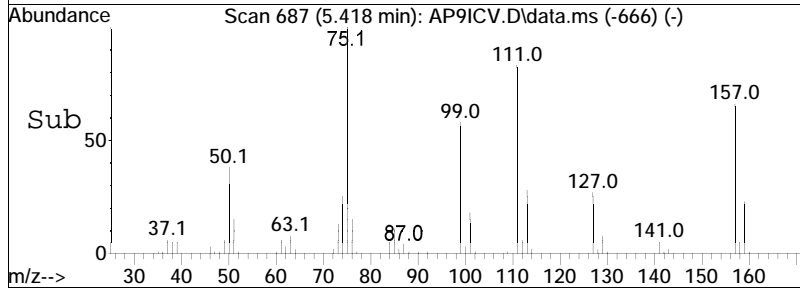
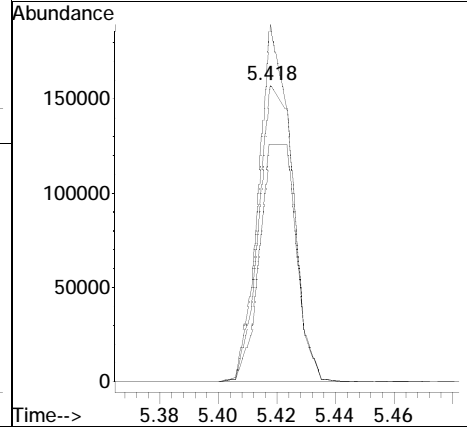
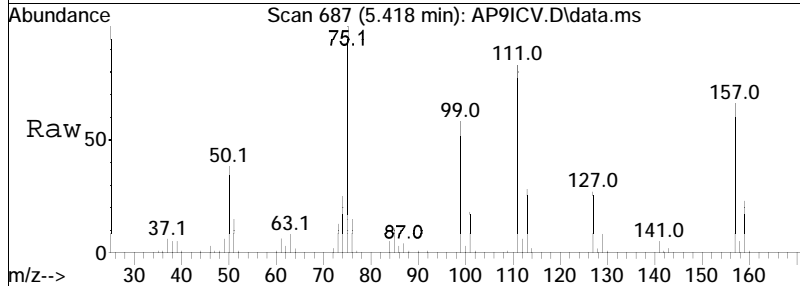
Tgt Ion	Resp	Lower	Upper
162	100		
164	65.2	50.6	75.8
63	65.2	50.5	75.7



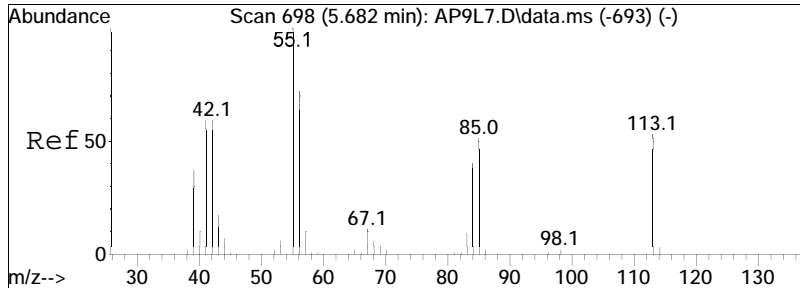


#59  
 1-chloro-2-nitrobenzene  
 Concen: 46.39 ug/ml  
 RT: 5.418 min Scan# 687  
 Delta R.T. -0.000 min  
 Lab File: AP9ICV.D  
 Acq: 21 Nov 2020 1:33 am

Tgt Ion	Resp	Lower	Upper
111	100		
157	83.2	55.1	82.7#
75	111.4	100.1	150.1

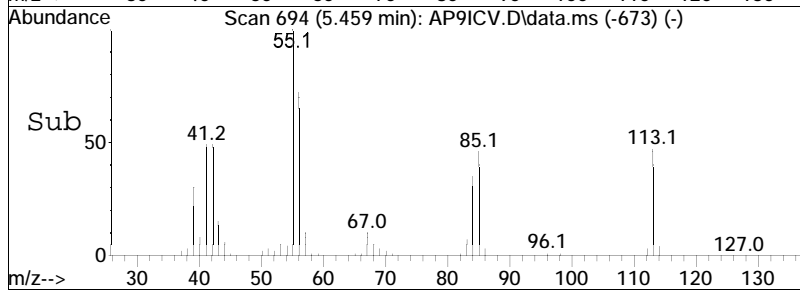
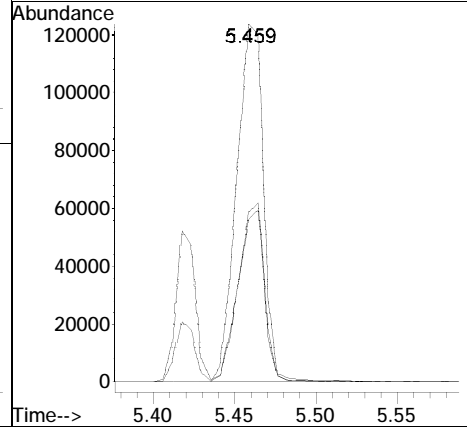
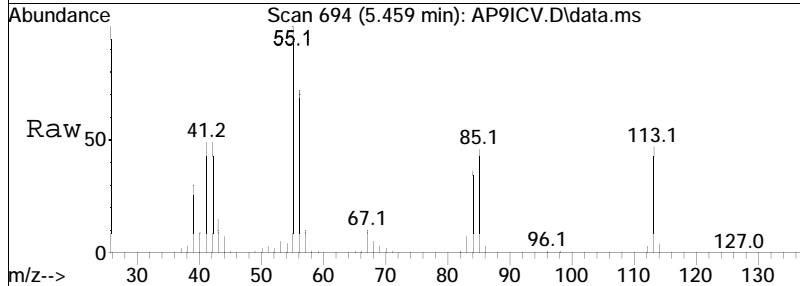


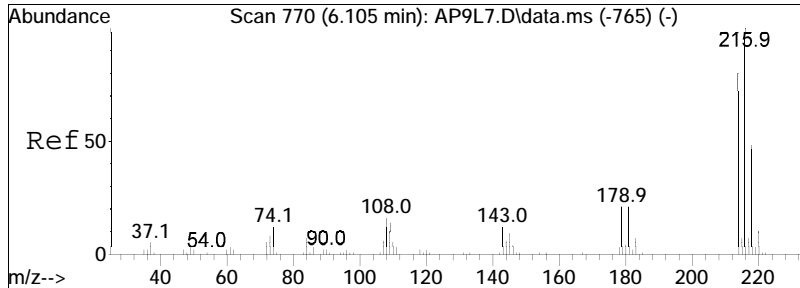




#60  
 Caprolactam  
 Concen: 47.98 ug/ml  
 RT: 5.459 min Scan# 694  
 Delta R.T. -0.000 min  
 Lab File: AP9ICV.D  
 Acq: 21 Nov 2020 1:33 am

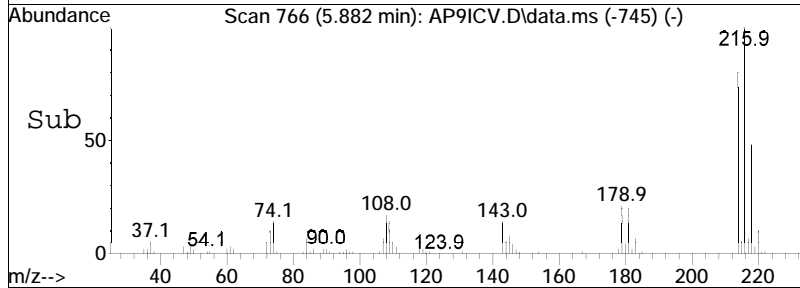
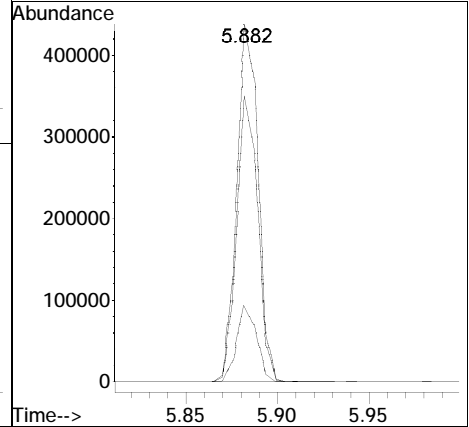
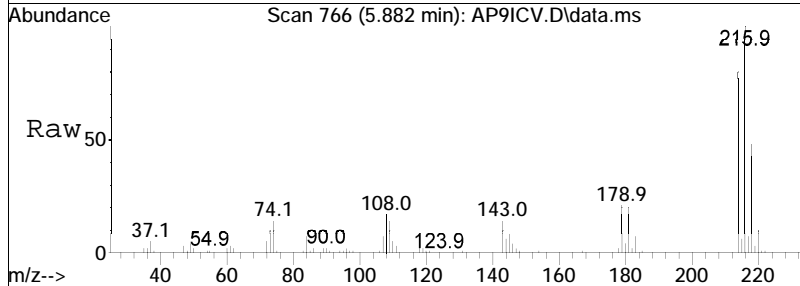
Tgt Ion:	Resp:		
Ion	Ratio	Lower	Upper
55	100		
85	46.9	47.4	71.2#
113	48.8	71.0	106.4#

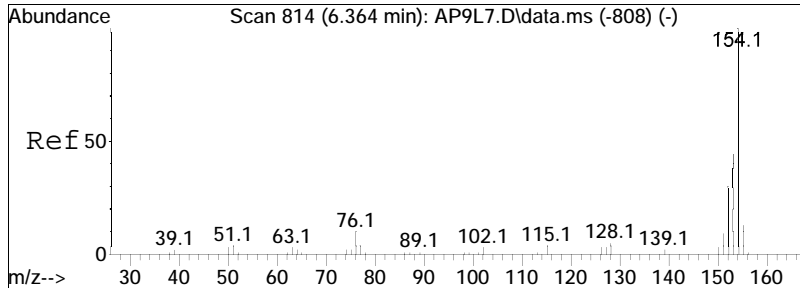




#61  
 1,2,4,5-Tetrachlorobenzene  
 Concen: 46.08 ug/ml  
 RT: 5.882 min Scan# 766  
 Delta R.T. -0.000 min  
 Lab File: AP9ICV.D  
 Acq: 21 Nov 2020 1:33 am

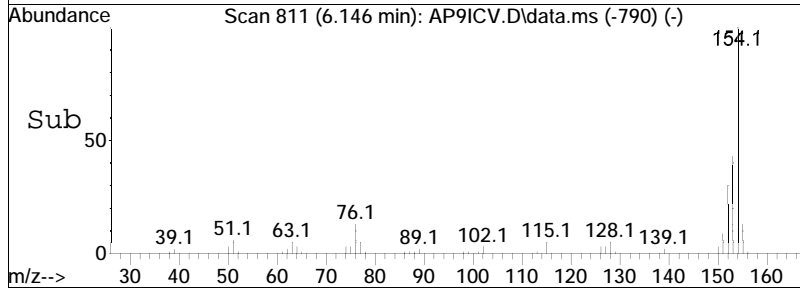
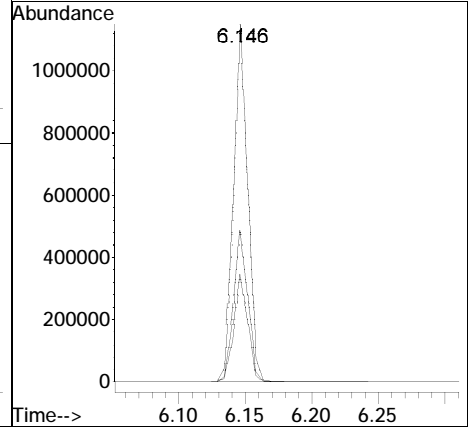
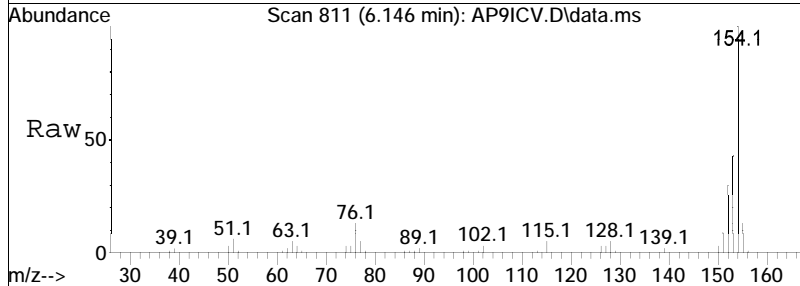
Tgt Ion	Resp	Lower	Upper
216	351990		
216	100		
214	79.0	64.2	96.2
179	20.2	17.8	26.8

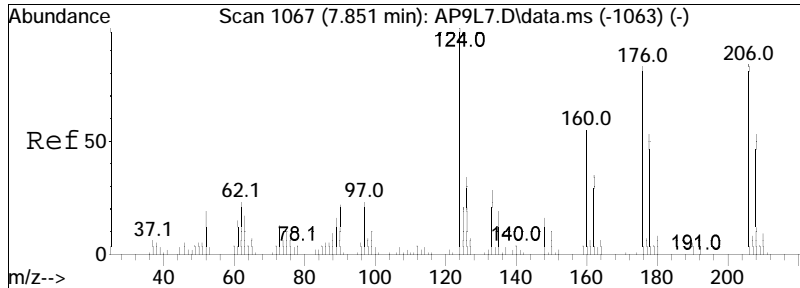




#62  
 Biphenyl  
 Concen: 45.70 ug/ml  
 RT: 6.146 min Scan# 811  
 Delta R.T. -0.000 min  
 Lab File: AP9ICV.D  
 Acq: 21 Nov 2020 1:33 am

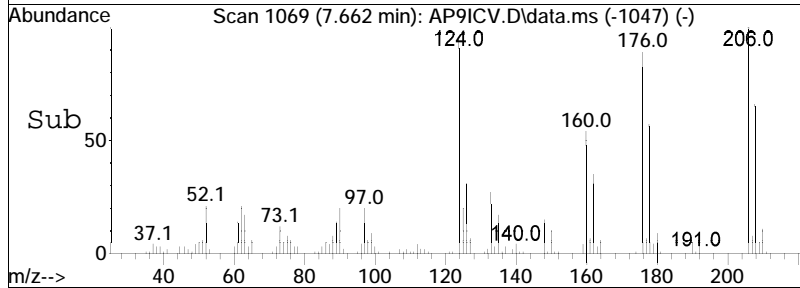
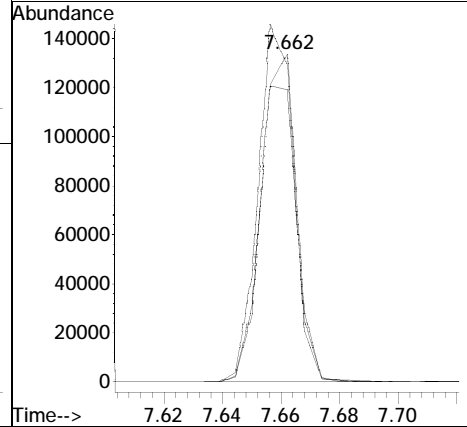
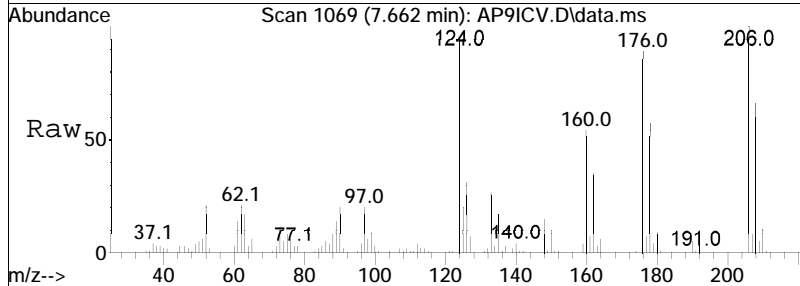
Tgt Ion	Resp	Lower	Upper
154	100		
153	42.9	35.1	52.7
152	29.8	24.0	36.0

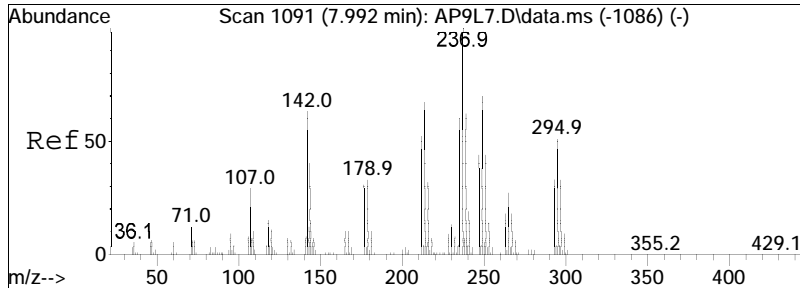




#84  
 Dichloran  
 Concen: 47.32 ug/ml  
 RT: 7.662 min Scan# 1069  
 Delta R.T. 0.006 min  
 Lab File: AP9ICV.D  
 Acq: 21 Nov 2020 1:33 am

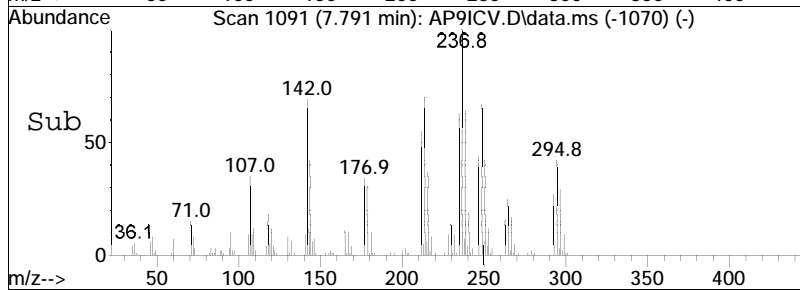
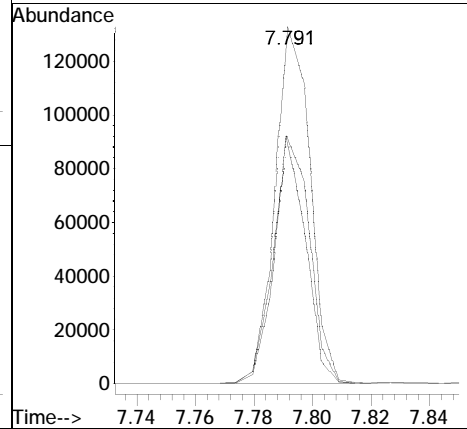
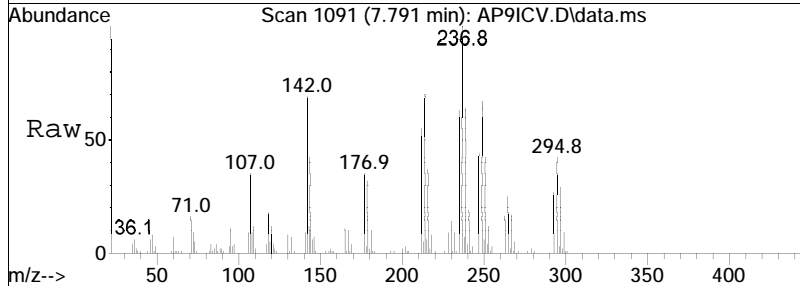
Tgt Ion	Resp	Lower	Upper
206	111714		
206	100		
176	95.7	93.0	139.6
124	109.4	133.2	199.8#

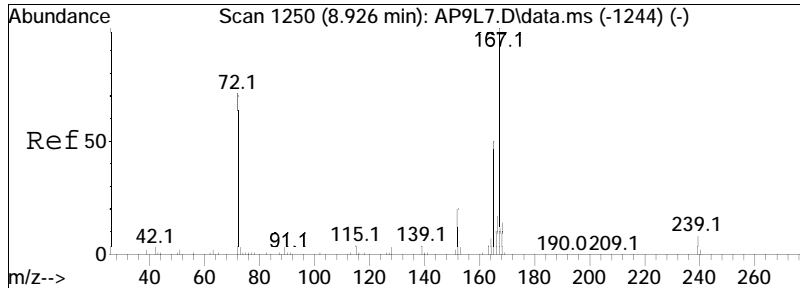




#85  
 Pentachloronitrobenzene  
 Concen: 47.52 ug/ml  
 RT: 7.791 min Scan# 1091  
 Delta R.T. -0.000 min  
 Lab File: AP9ICV.D  
 Acq: 21 Nov 2020 1:33 am

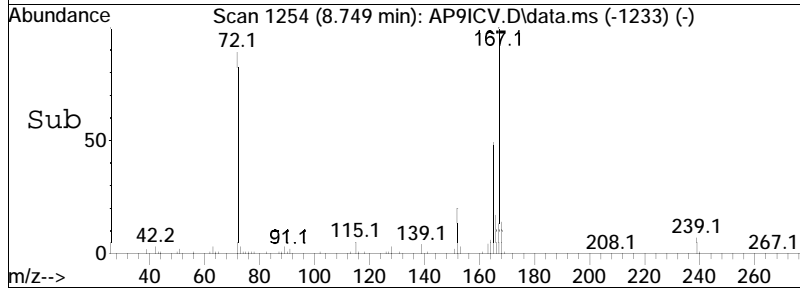
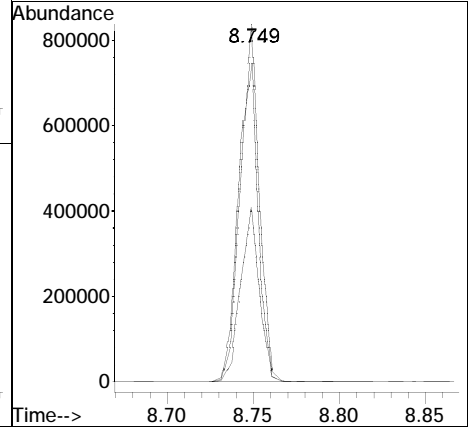
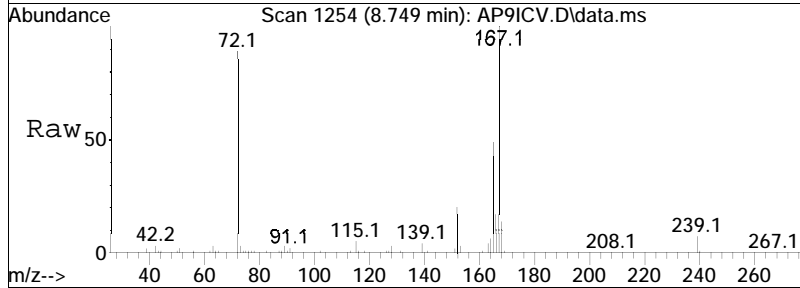
Tgt Ion	Resp	Lower	Upper
237	110582		
142	63.7	79.9	119.9#
214	69.1	56.7	85.1





#99  
 Diphenamid  
 Concen: 48.27 ug/ml  
 RT: 8.749 min Scan# 1254  
 Delta R.T. -0.000 min  
 Lab File: AP9ICV.D  
 Acq: 21 Nov 2020 1:33 am

Tgt Ion	Ratio	Lower	Upper
167	100		
72	93.9	127.1	190.7#
165	48.9	44.1	66.1



Manual Integration Report

Data Path : I:\8270\Buffy\201120ical\ QMethod : FS201120buffy.m  
Data File : AP9ICV.D Operator : Buffy:als  
Date Inj'd : 11/21/2020 1:33 am Instrument : Buffy  
Sample : CQICV2,32,,AP9ICV Lot# 889Quant Date : 11/24/2020 4:36 pm

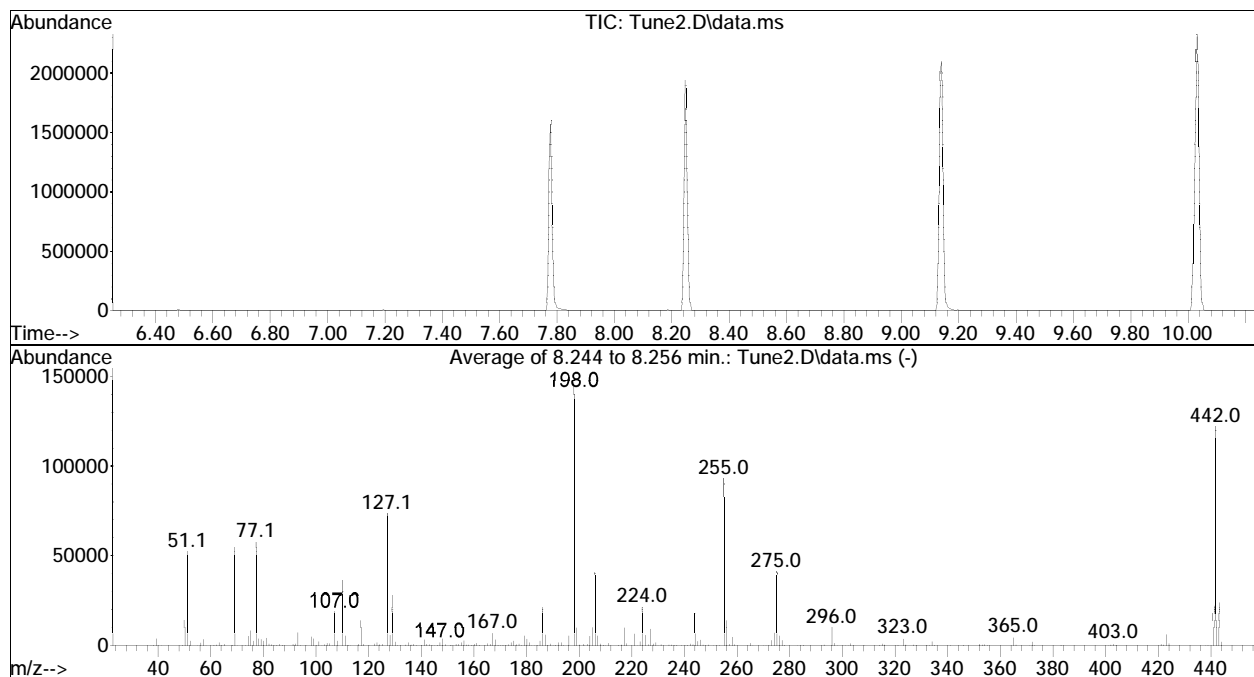
There are no manual integrations or false positives in this file.

DFTPP

Data Path : I:\8270\Buffy\201120ical\  
 Data File : Tune2.D  
 Acq On : 21 Nov 2020 1:56 am  
 Operator : Buffy:als  
 Sample : Tune2  
 Misc : WG1439209,,  
 ALS Vial : 100 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\8270\Buffy\201120ical\FS201120buffy.m  
 Title : Semivolatiles by GC/MS by modified 8270  
 Last Update : Tue Nov 24 17:06:43 2020



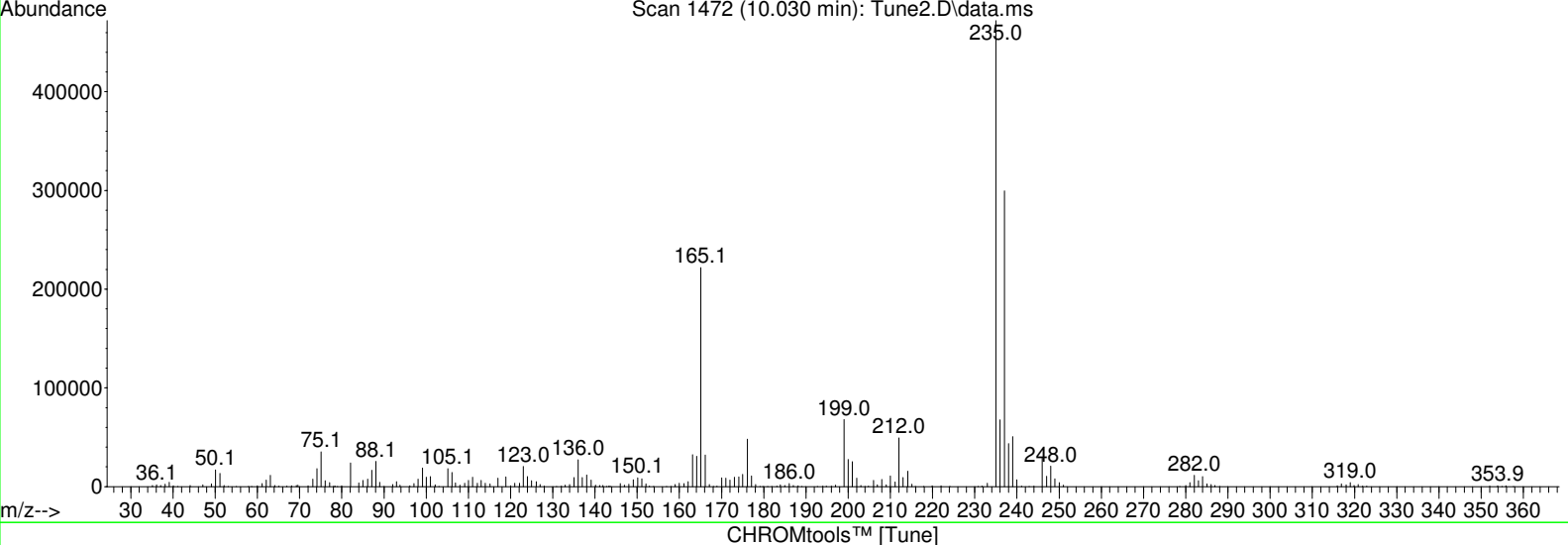
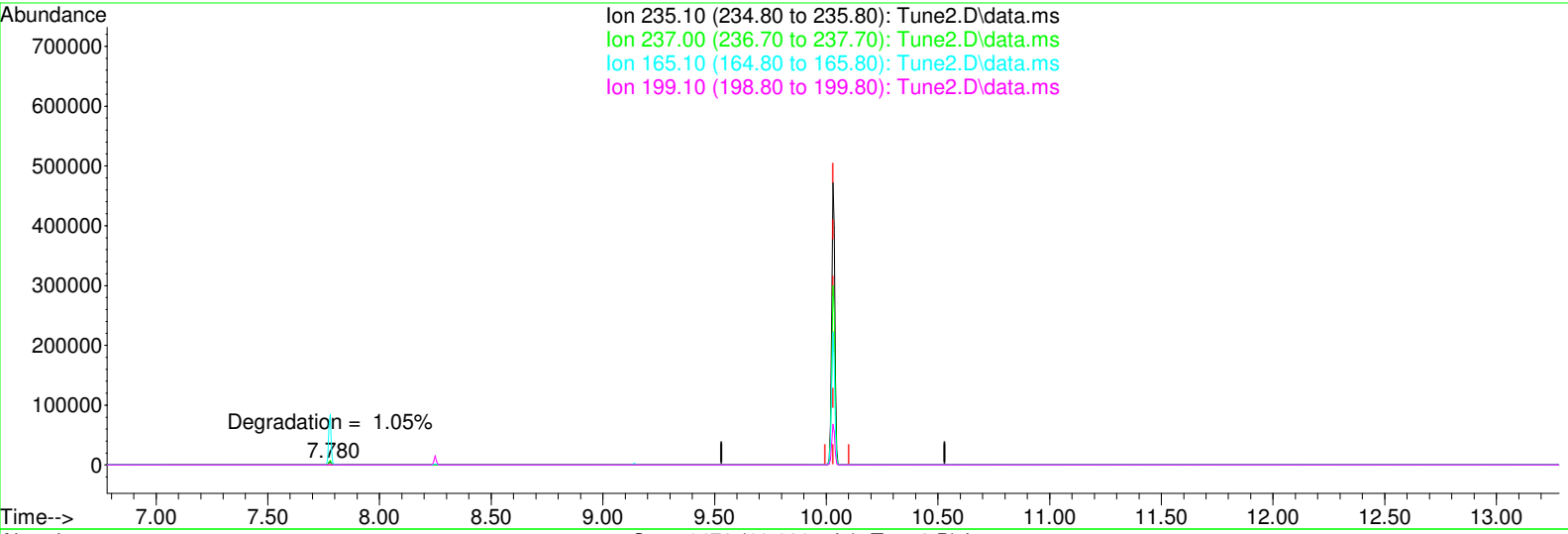
Spectrum Information: Average of 8.244 to 8.256 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	35.4	52132	PASS
68	69	0.00	2	1.0	525	PASS
69	69	100	100	100.0	54435	PASS
70	69	0.00	2	0.5	296	PASS
127	198	10	80	49.9	73328	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	147069	PASS
199	198	5	9	6.6	9668	PASS
275	198	10	60	27.8	40901	PASS
365	198	1	100	3.0	4476	PASS
441	442	0.01	24	18.3	22337	PASS
442	198	50	100	82.9	121949	PASS
443	442	15	24	19.6	23897	PASS



Data Path : I:\8270\Buffy\201120ical\  
 Data File : Tune2.D  
 Acq On : 21 Nov 2020 1:56 am  
 Operator : Buffy:  
 Sample : Tune  
 Misc :  
 ALS Vial : 100 Sample Multiplier: 1

Quant Time: Nov 24 16:45:36 2020  
 Quant Method : I:\8270\Buffy\201120ical\dftppbuffy.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Tue Nov 24 16:45:20 2020  
 Response via : Initial Calibration



(6) DDT (T)

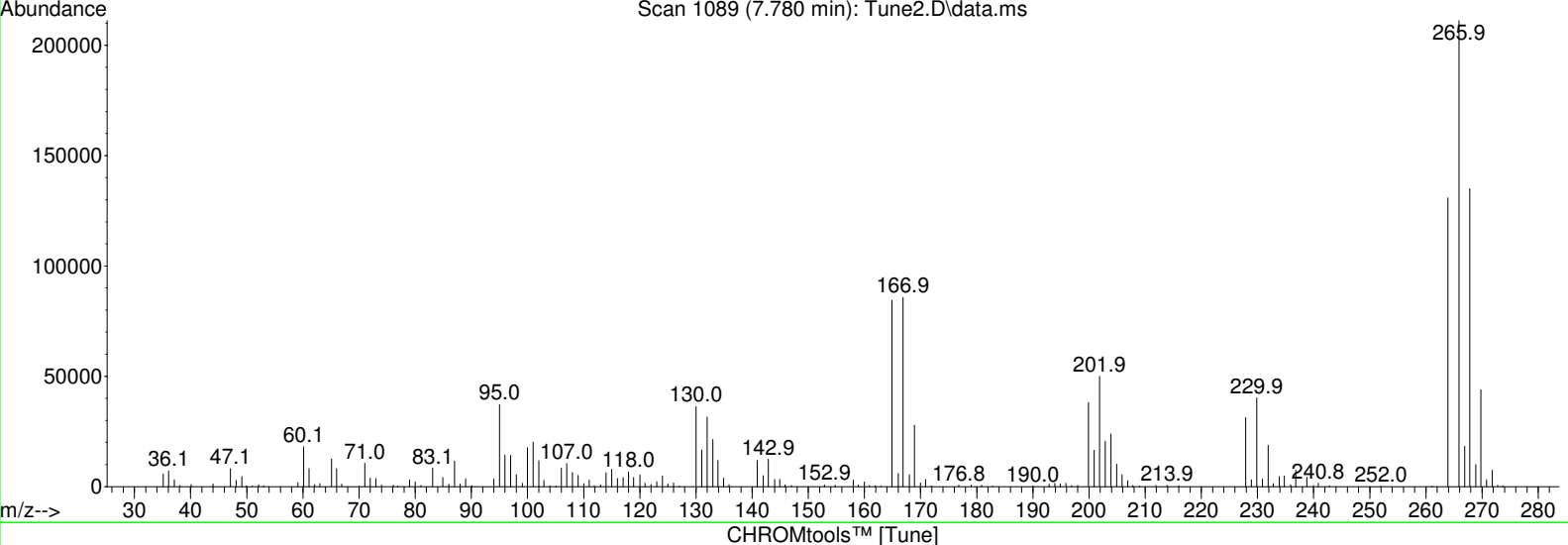
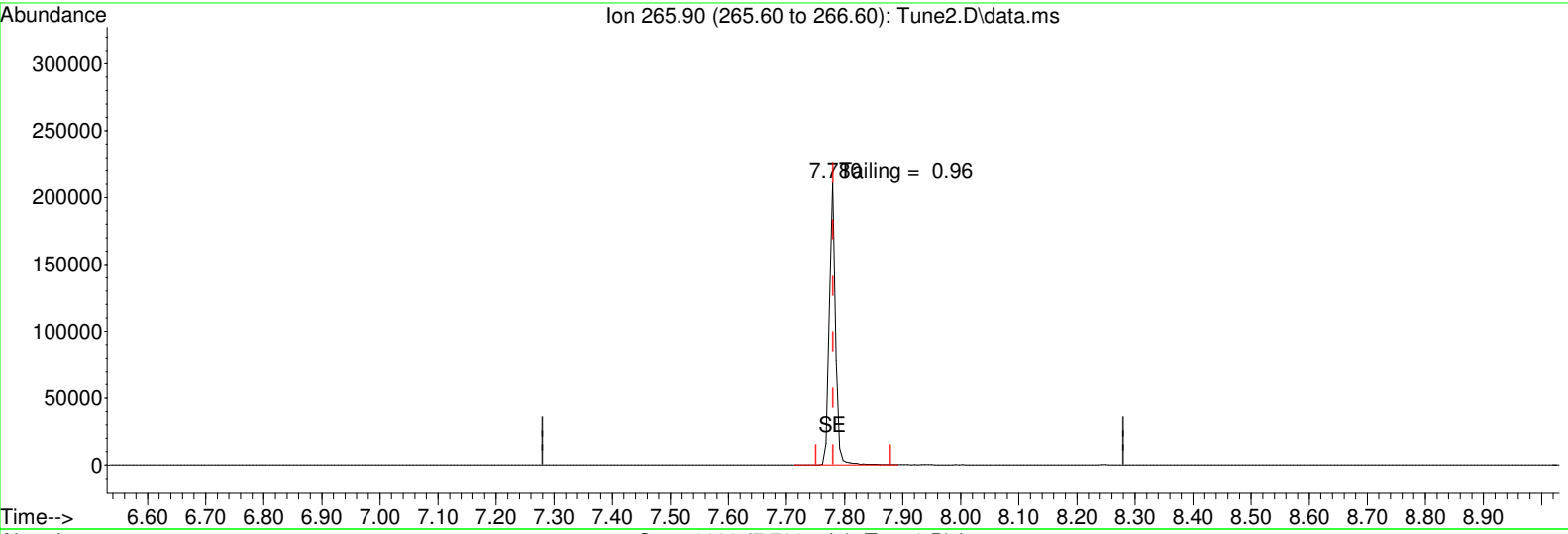
10.030min (+ 0.000) 78.62 Lin

response 479232

Ion	Exp%	Act%
235.10	100.00	100.00
237.00	64.90	63.87
165.10	47.80	46.47
199.10	13.50	14.13

Data Path : I:\8270\Buffy\201120ical\  
 Data File : Tune2.D  
 Acq On : 21 Nov 2020 1:56 am  
 Operator : Buffy:  
 Sample : Tune  
 Misc :  
 ALS Vial : 100 Sample Multiplier: 1

Quant Time: Nov 24 16:45:36 2020  
 Quant Method : I:\8270\Buffy\201120ical\dftppbuffy.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Tue Nov 24 16:45:20 2020  
 Response via : Initial Calibration



(1) Pentachlorophenol (T)

7.780min (-0.000) 76.44 Lin

response 160558

Ion	Exp%	Act%
265.90	100.00	100.00

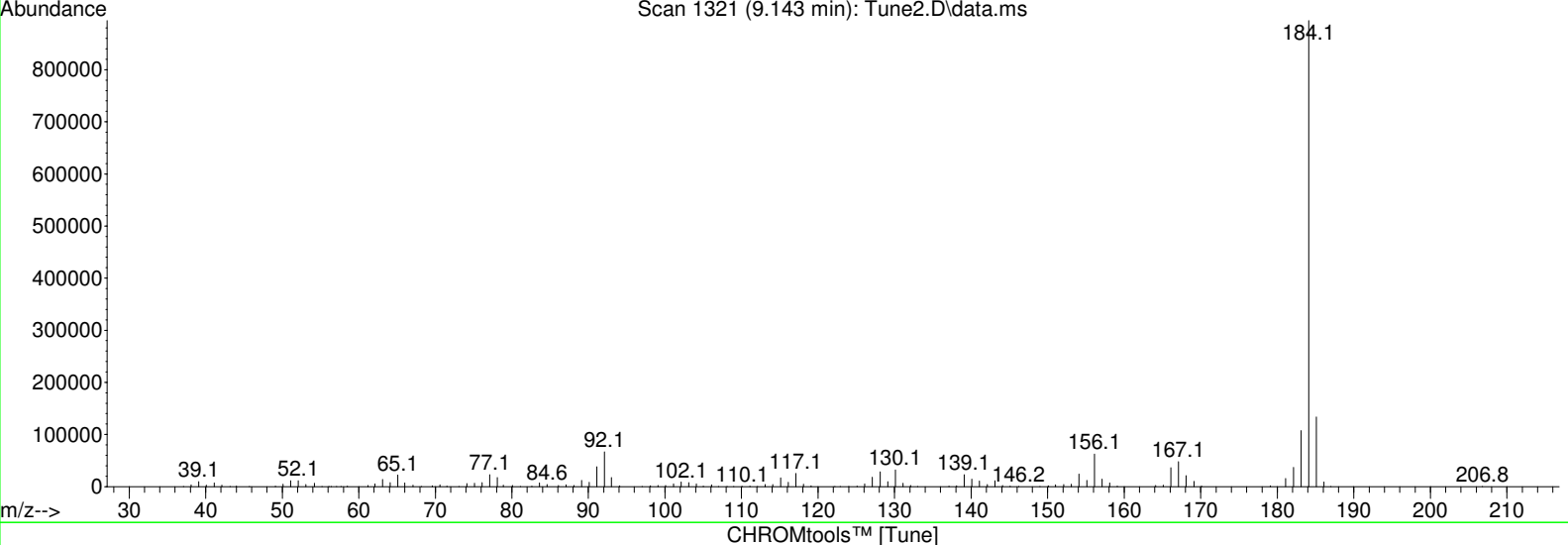
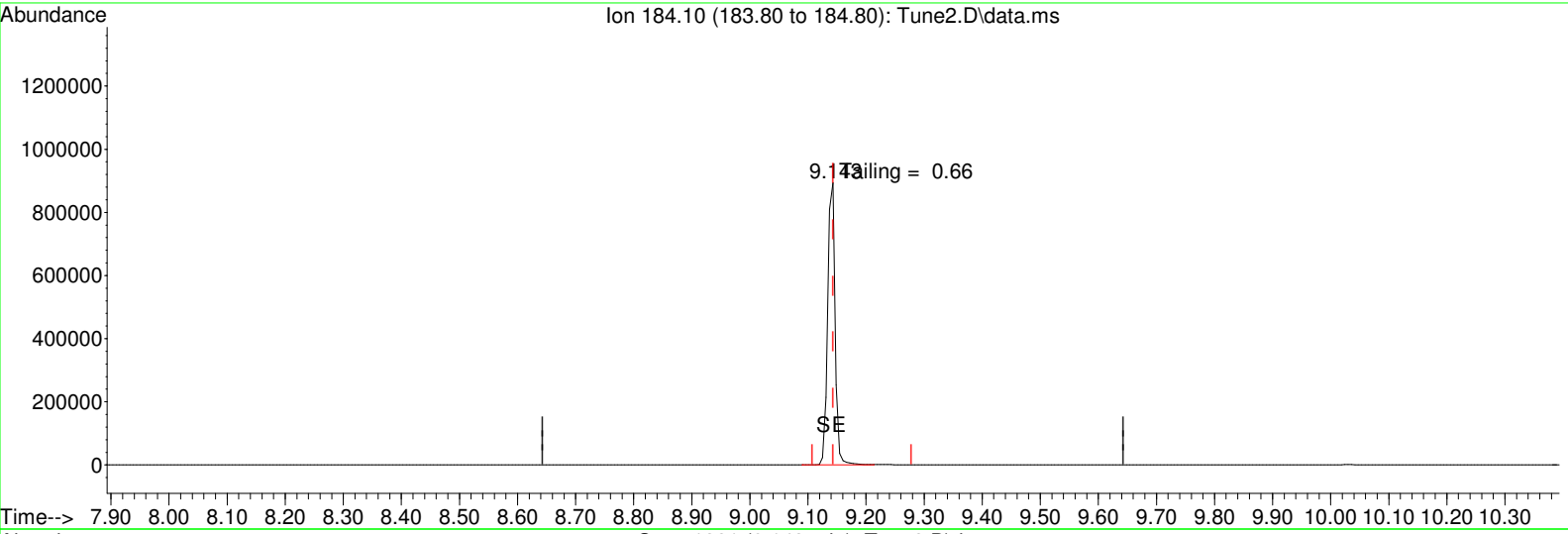
0.00 0.00 0.00

0.00 0.00 0.00

0.00 0.00 0.00

Data Path : I:\8270\Buffy\201120ical\  
 Data File : Tune2.D  
 Acq On : 21 Nov 2020 1:56 am  
 Operator : Buffy:  
 Sample : Tune  
 Misc :  
 ALS Vial : 100 Sample Multiplier: 1

Quant Time: Nov 24 16:45:36 2020  
 Quant Method : I:\8270\Buffy\201120ical\dftppbuffy.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Tue Nov 24 16:45:20 2020  
 Response via : Initial Calibration



(3) Benzidine (T)

9.143min (-0.000) 79.30 Lin

response 807232

Ion	Exp%	Act%
184.10	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Buffy\201120ical\  
 Data File : ADPL10.D  
 Acq On : 21 Nov 2020 2:19 am  
 Operator : Buffy:als  
 Sample : IL21,32,,ADPL200 Lot# 8899  
 Misc : WG1439209,,  
 ALS Vial : 23 Sample Multiplier: 1

Quant Time: Nov 30 08:15:10 2020  
 Quant Method : I:\8270\Buffy\201120ical\FS201120buffy.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Mon Nov 30 08:15:00 2020  
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Buffy\201120ical\ADPL7.D  
 Sub List : ADPical\_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----						
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.013	152	204101	40.000	ug/ml	0.00
Standard Area 1 = 253596			Recovery	=	80.48%	
86) IS3_Acenaphthene-d10	6.640	164	443308	40.000	ug/ml	0.00
Standard Area 1 = 582948			Recovery	=	76.05%	
100) IS3_Phenanthrene-d10	7.932	188	955030	40.000	ug/ml	0.00
Standard Area 1 = 1256978			Recovery	=	75.98%	

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
33) 1,4-Dioxane	1.622	88	422110	197.680	ug/ml#	88
34) n-Decane	3.908	57	1093477	182.036	ug/ml	95
87) Atrazine	7.738	200	868225	226.897	ug/ml	99
101) n-Octadecane	7.909	57	1622926	195.877	ug/ml#	87
102) Parathion	8.643	109	619320	200.698	ug/ml	98
103) 3,3'-Dimethylbenzidine	9.918	212	3836864	199.839	ug/ml	99

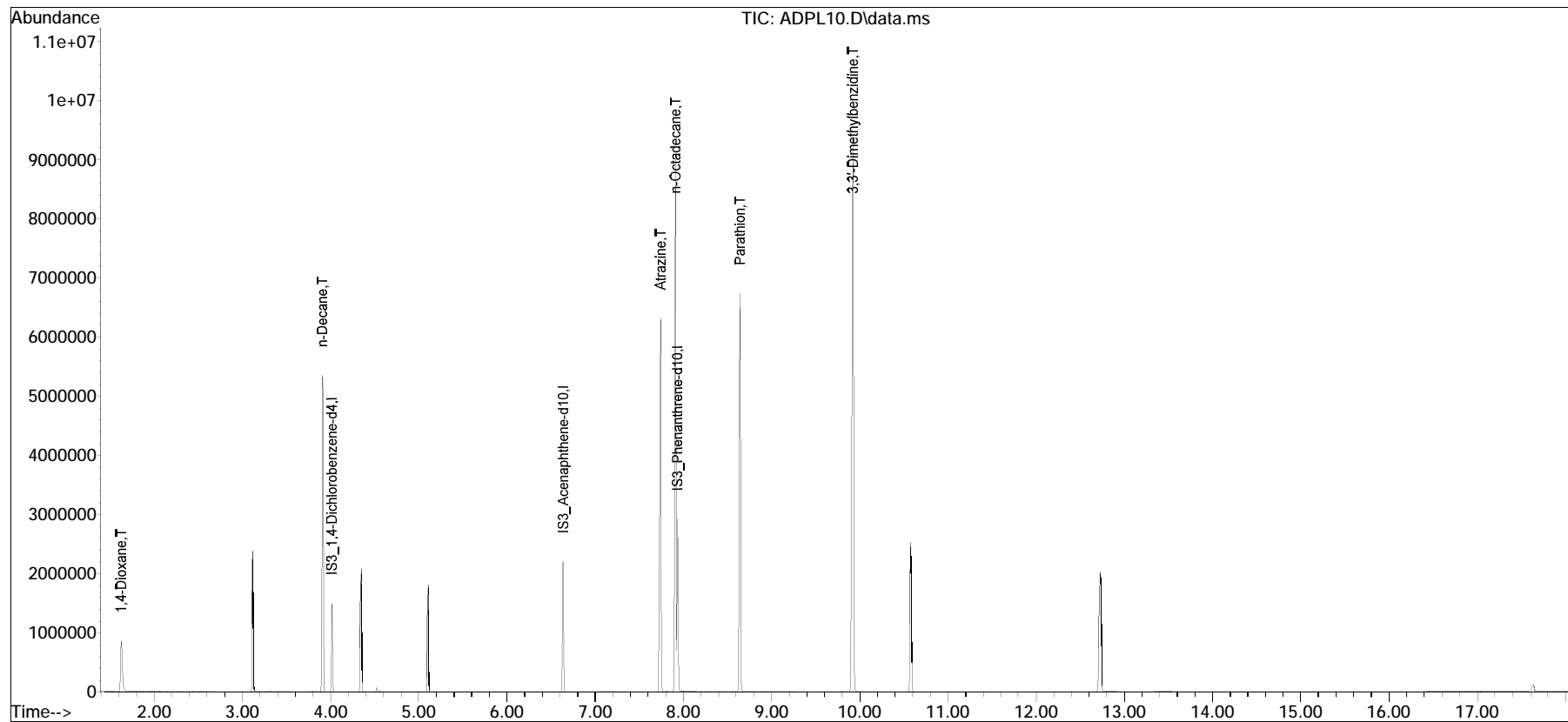
-----  
 (#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Buffy\201120ical\  
Data File : ADPL10.D  
Acq On : 21 Nov 2020 2:19 am  
Operator : Buffy:als  
Sample : IL21,32,,ADPL200 Lot# 8899  
Misc : WG1439209,,  
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Nov 30 08:15:10 2020  
Quant Method : I:\8270\Buffy\201120ical\FS201120buffy.m  
Quant Title : Semivolatiles by GC/MS by modified 8270  
QLast Update : Mon Nov 30 08:15:00 2020  
Response via : Initial Calibration

Sub List : ADPical\_REV2 - ADP sublistal\ADPL7.D•



Manual Integration Report

Data Path : I:\8270\Buffy\201120ical\ QMethod : FS201120buffy.m  
Data File : ADPL10.D Operator : Buffy:als  
Date Inj'd : 11/21/2020 2:19 am Instrument : Buffy  
Sample : IL21,32,,ADPL200 Lot# 8899Quant Date : 11/30/2020 8:15 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Buffy\201120ical\  
 Data File : ADPL9.D  
 Acq On : 21 Nov 2020 2:42 am  
 Operator : Buffy:als  
 Sample : IL22,32,,ADPL150 Lot# 8927  
 Misc : WG1439209,,  
 ALS Vial : 24 Sample Multiplier: 1

Quant Time: Nov 30 08:16:57 2020  
 Quant Method : I:\8270\Buffy\201120ical\FS201120buffy.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Mon Nov 30 08:16:47 2020  
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Buffy\201120ical\ADPL7.D  
 Sub List : ADPical\_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----						
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.013	152	224813	40.000	ug/ml	0.00
Standard Area 1 = 253596			Recovery	=	88.65%	
86) IS3_Acenaphthene-d10	6.634	164	470754	40.000	ug/ml	0.00
Standard Area 1 = 582948			Recovery	=	80.75%	
100) IS3_Phenanthrene-d10	7.932	188	997511	40.000	ug/ml	0.00
Standard Area 1 = 1256978			Recovery	=	79.36%	

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
33) 1,4-Dioxane	1.628	88	357746	152.027	ug/ml	89
34) n-Decane	3.914	57	939950	142.061	ug/ml	94
87) Atrazine	7.733	200	709088	174.505	ug/ml	100
101) n-Octadecane	7.909	57	1359294	157.071	ug/ml#	86
102) Parathion	8.643	109	494773	154.352	ug/ml	97
103) 3,3'-Dimethylbenzidine	9.918	212	3089564	154.551	ug/ml	99

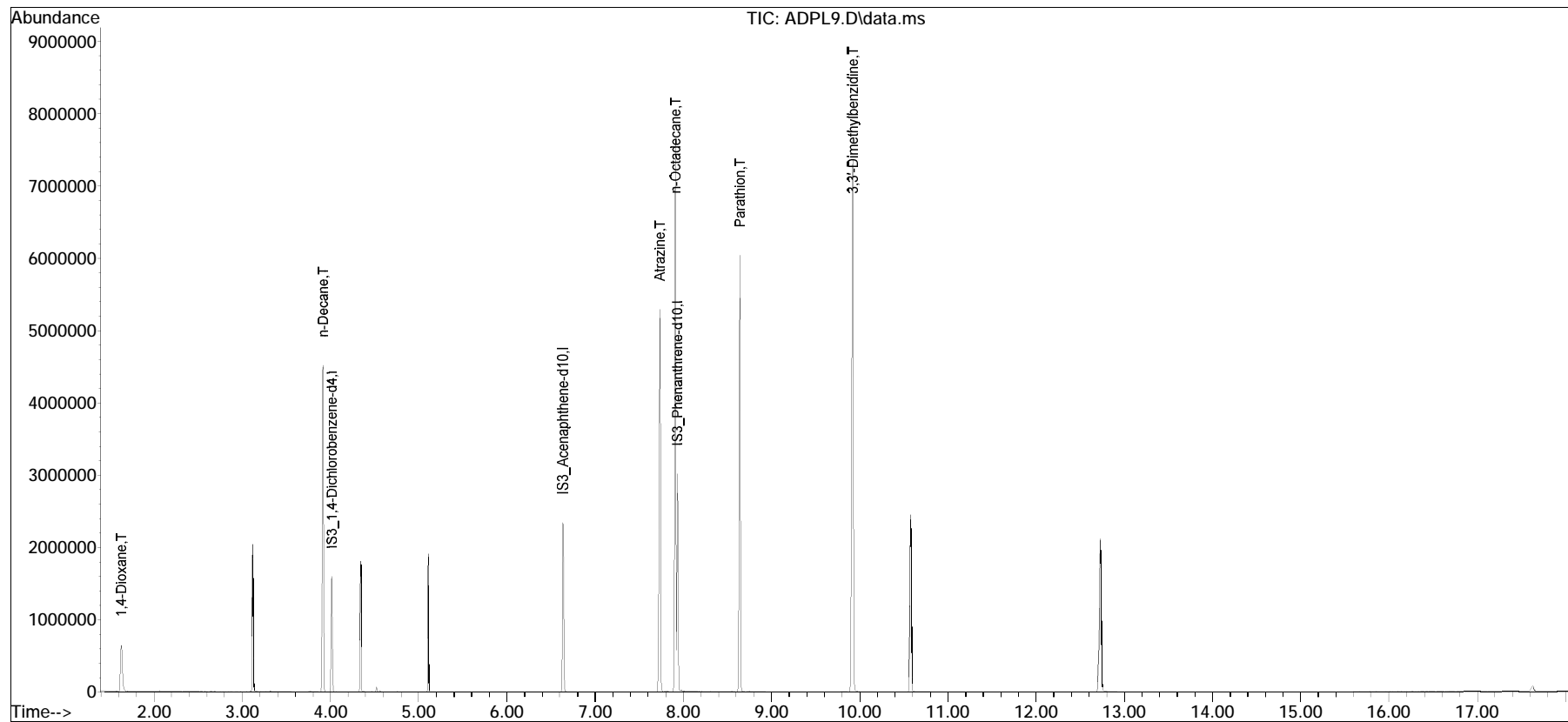
-----  
 (#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Buffy\201120ical\  
Data File : ADPL9.D  
Acq On : 21 Nov 2020 2:42 am  
Operator : Buffy:als  
Sample : IL22,32,,ADPL150 Lot# 8927  
Misc : WG1439209,,  
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Nov 30 08:16:57 2020  
Quant Method : I:\8270\Buffy\201120ical\FS201120buffy.m  
Quant Title : Semivolatiles by GC/MS by modified 8270  
QLast Update : Mon Nov 30 08:16:47 2020  
Response via : Initial Calibration

Sub List : ADPical\_REV2 - ADP sublistal\ADPL7.D•





Manual Integration Report

Data Path : I:\8270\Buffy\201120ical\ QMethod : FS201120buffy.m  
Data File : ADPL9.D Operator : Buffy:als  
Date Inj'd : 11/21/2020 2:42 am Instrument : Buffy  
Sample : IL22,32,,ADPL150 Lot# 8927Quant Date : 11/30/2020 8:16 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Buffy\201120ical\  
 Data File : ADPL8.D  
 Acq On : 21 Nov 2020 3:05 am  
 Operator : Buffy:als  
 Sample : IL23,32,,ADPL100 Lot# 8926  
 Misc : WG1439209,,  
 ALS Vial : 25 Sample Multiplier: 1

Quant Time: Nov 30 08:16:34 2020  
 Quant Method : I:\8270\Buffy\201120ical\FS201120buffy.m  
 Quant Title : Semivolatiles by GC/MS by modified 8270  
 QLast Update : Mon Nov 30 08:16:25 2020  
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Buffy\201120ical\ADPL7.D  
 Sub List : ADPical\_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----						
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.013	152	209213	40.000	ug/ml	0.00
Standard Area 1 = 253596			Recovery	=	82.50%	
86) IS3_Acenaphthene-d10	6.640	164	471300	40.000	ug/ml	0.00
Standard Area 1 = 582948			Recovery	=	80.85%	
100) IS3_Phenanthrene-d10	7.932	188	1009796	40.000	ug/ml	0.00
Standard Area 1 = 1256978			Recovery	=	80.34%	

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
33) 1,4-Dioxane	1.628	88	234879	107.160	ug/ml	89
34) n-Decane	3.914	57	623937	101.332	ug/ml	95
87) Atrazine	7.733	200	471869	115.991	ug/ml	100
101) n-Octadecane	7.909	57	944169	107.775	ug/ml#	86
102) Parathion	8.643	109	340960	106.219	ug/ml	97
103) 3,3'-Dimethylbenzidine	9.913	212	2155638	107.183	ug/ml	100

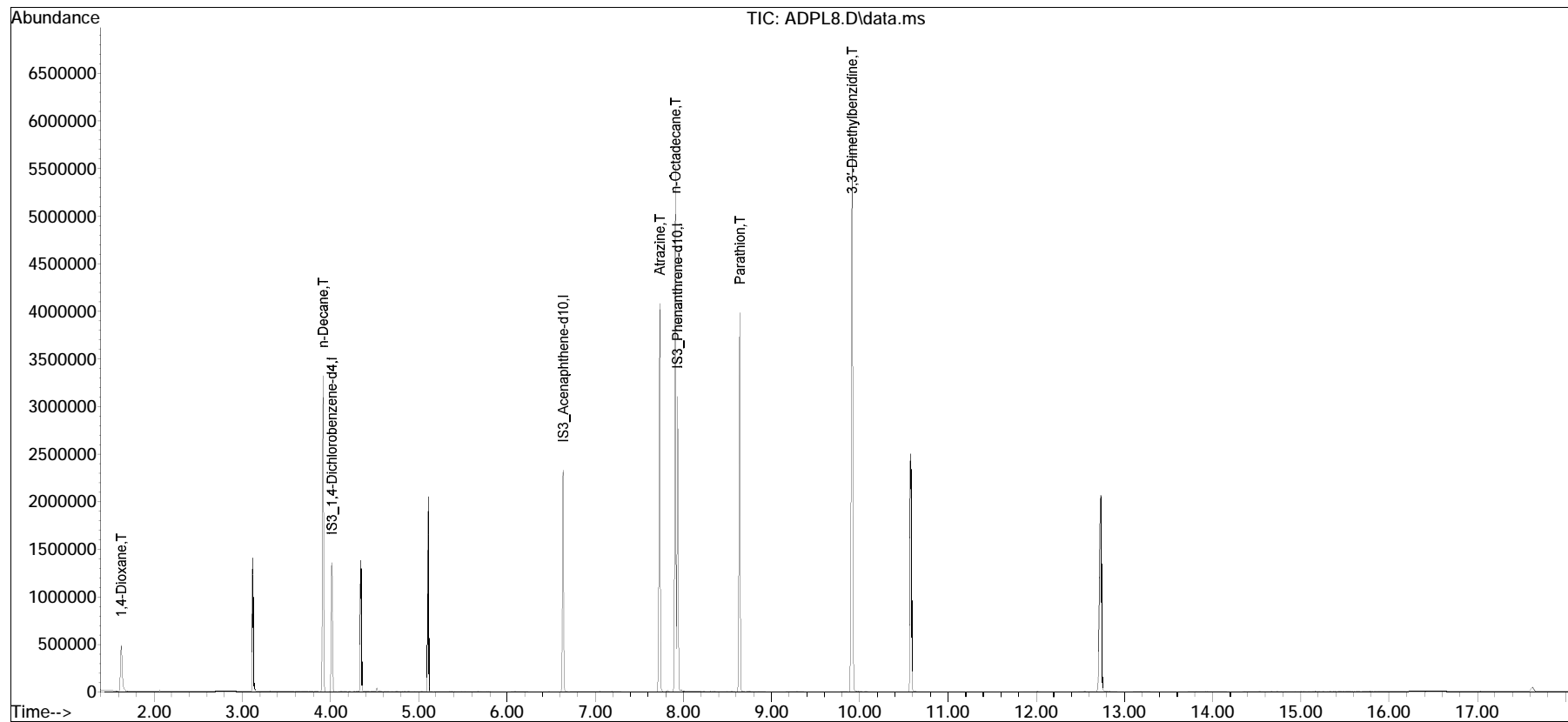
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Buffy\201120ical\  
Data File : ADPL8.D  
Acq On : 21 Nov 2020 3:05 am  
Operator : Buffy:als  
Sample : IL23,32,,ADPL100 Lot# 8926  
Misc : WG1439209,,  
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Nov 30 08:16:34 2020  
Quant Method : I:\8270\Buffy\201120ical\FS201120buffy.m  
Quant Title : Semivolatiles by GC/MS by modified 8270  
QLast Update : Mon Nov 30 08:16:25 2020  
Response via : Initial Calibration

Sub List : ADPical\_REV2 - ADP sublistal\ADPL7.D•



Manual Integration Report

Data Path : I:\8270\Buffy\201120ical\ QMethod : FS201120buffy.m  
Data File : ADPL8.D Operator : Buffy:als  
Date Inj'd : 11/21/2020 3:05 am Instrument : Buffy  
Sample : IL23,32,,ADPL100 Lot# 8926Quant Date : 11/30/2020 8:16 am

There are no manual integrations or false positives in this file.