

2021 Limited Subsurface Investigation Data

Block 426 p/o Lot 17

Block 426 p/o Lot 49



Location	MW05
Sample Name	MW05_081821
Sample Date	8/18/2021
Block/Lot	Lot 17
SVOCs	
Benzo(a)pyrene	0.0513
Benzo(b)fluoranthene	0.0513
Benzo(k)fluoranthene	0.0615
Metals - Dissolved	
Iron	498
Magnesium	12,200
Manganese	91.9
Selenium	16.1 B
Sodium	50,800
Metals - Total	
Iron	<1,250 U
Magnesium	13,400
Manganese	108
Selenium	1.75
Sodium	59,800

Location	MW03
Sample Name	MW03_081821
Sample Date	8/18/2021
Block/Lot	Lot 17
SVOCs	
Benzo(a)pyrene	<0.0526 U
Benzo(b)fluoranthene	<0.0526 U
Benzo(k)fluoranthene	<0.0526 U
Metals - Dissolved	
Iron	15,100
Magnesium	13,700
Manganese	887
Selenium	13.1 B
Sodium	195,000
Metals - Total	
Iron	2,780
Magnesium	9,690
Manganese	262
Selenium	7.38
Sodium	115,000

Legend

- Soil Boring/Monitoring Well Location
- Proposed BCP Site Boundary
- Approximate Location of Historical
- Gas Holder

Analyte	NYSDEC SGVs
SVOCs	
Benzo(a)pyrene	0
Benzo(b)fluoranthene	0.002
Benzo(k)fluoranthene	0.002
Metals	
Iron	300
Magnesium	35000
Manganese	300
Selenium	10
Sodium	20000

Notes:

1. World aerial imagery basemap is provided through Langan's Esri and ArcGIS software licensing and ArcGIS online.
2. BCP - Brownfield Cleanup Program
3. Groundwater sample analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Title 6 of the Official Compilation of New York Codes, Rules and Regulations (NYCRR) Part 703.5 and the NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards and Guidance Values for Class GA Water (herein collectively referenced as "NYSDEC SGVs").
4. Results are shown in micrograms per liter (ug/l)

Qualifiers:

B = The analyte was found in the associated analysis batch blank.

U = The analyte was analyzed for, but was not detected at a level greater than or equal to the RL; the value shown in the table is the RL

Exceedance Summary

10 - Result exceeds NYSDEC SGVs



LANGAN

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Project

SACKETT DEGRAW

BLOCK No. 426,
LOT Nos. p/o 17 & p/o 49

BROOKLYN

NEW YORK

Figure Title

**GROUNDWATER
SAMPLE LOCATION
AND RESULTS MAP**

Project No.

170362002

Date

1/14/2022

Scale

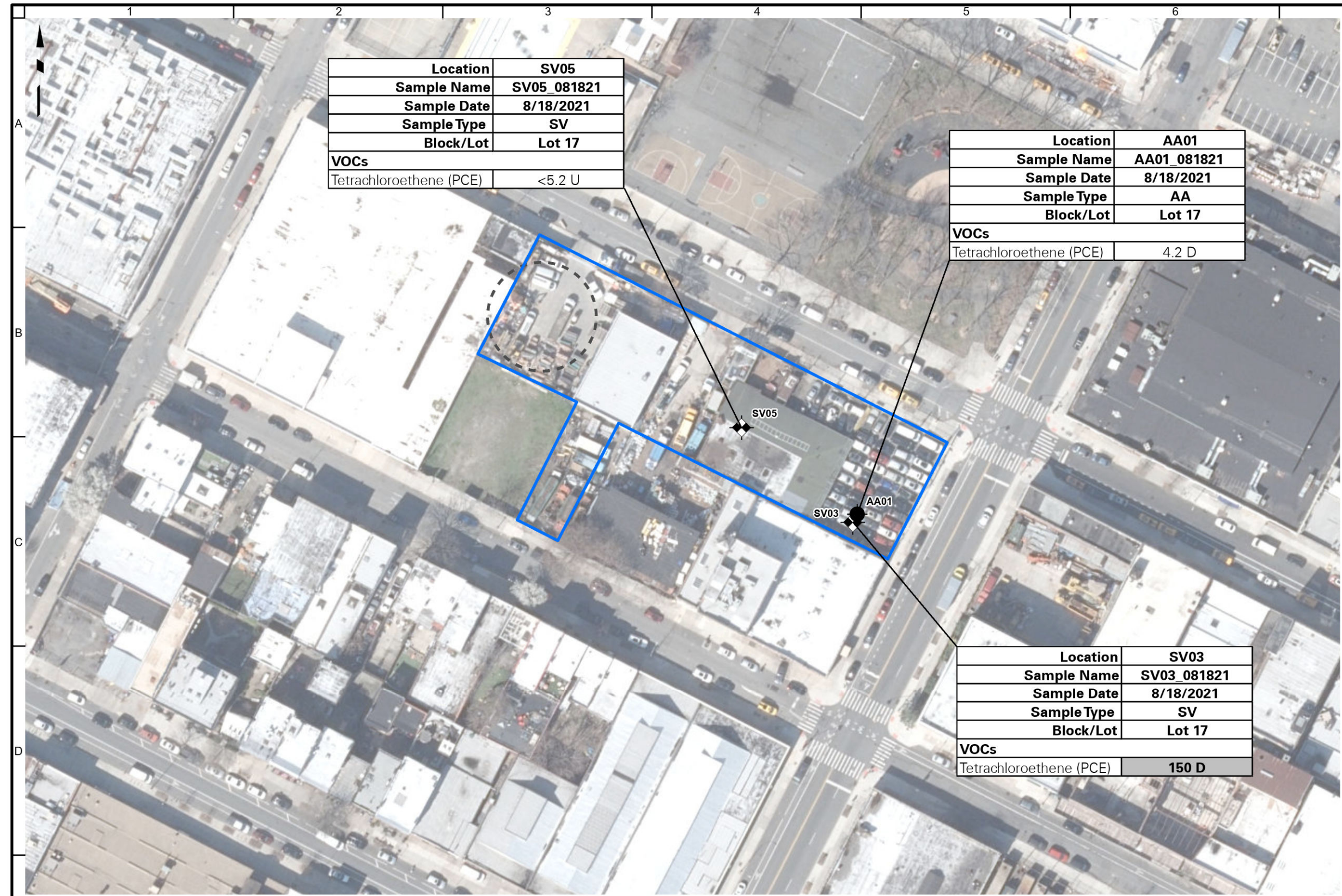
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Drawn By

MG

Figure No.

C-2



Legend

Ambient Air Sample Location

Soil Vapor Sample Location

Proposed BCP Site Boundary

Approximate Location of Historical Gas Holder

Analyte	NYSDOH Decision Matrices Minimum Concentrations
	VOCs
Tetrachloroethene (PCE)	100

Notes:

- World aerial imagery basemap is provided through Langan's Esri and ArcGIS software licensing and ArcGIS online.
- BCP - Brownfield Cleanup Program
- Soil vapor sample analytical results are compared to the minimum soil vapor concentrations at which mitigation is recommended as set forth in the New York State Department of Health (NYSDOH) October 2006 Guidance for Evaluating Soil Vapor Intrusion in the State of New York Decision Matrices for Sub-Slab Vapor and Indoor Air and subsequent updates (2017).
- Results are shown in micrograms per cubic meter (ug/m3)

Qualifiers:

D = The concentration reported is a result of a diluted sample.

U = The analyte was analyzed for, but was not detected at a level greater than or equal to the RL; the value shown in the table is the RL.

Exceedance Summary

10

Result exceeds NYSDOH Decision Matrices Minimum Concentrations

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Project

SACKETT DEGRAW

BLOCK No. 426,

LOT Nos. p/o 17 & p/o 49

BROOKLYNNEW YORK

Figure Title

SOIL VAPOR
SAMPLE LOCATION
AND RESULTS MAP

Project No.

170362002

Date

1/14/2022

Scale

1"=80'

Drawn By

MG

Figure No.

C-3

80080

SCALE IN FEET

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Project 560 Degraw Street and 224 Third Avenue				Project No. 170362002																																																																																																					
Location Brooklyn, NY				Elevation and Datum NA																																																																																																					
Drilling Company Eastern Environmental Solutions, Inc.				Date Started 8/17/21		Date Finished 8/17/21																																																																																																			
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Casing Diameter (in) NA		Casing Depth (ft) NA		Water Level (ft.) First ∇ 14		Undisturbed NA																																																																																																			
Casing Hammer NA		Weight (lbs) NA		Drop (in) NA		Completion NA																																																																																																			
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<table border="1"> <thead> <tr> <th rowspan="2">MATERIAL SYMBOL</th> <th rowspan="2">Sample Description</th> <th rowspan="2">Depth Scale</th> <th colspan="5">Sample Data</th> <th rowspan="2">Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)</th> </tr> <tr> <th>Number</th> <th>Type</th> <th>Recov. (in)</th> <th>Penetr. resist BLU/in</th> <th>PID Reading (ppm)</th> </tr> </thead> <tbody> <tr> <td rowspan="5"></td> <td>M-1A (0-12") Light grayish-brown fine SAND, trace fine gravel, concrete (dry)[FILL]</td> <td>0</td> <td rowspan="5">M-1</td> <td rowspan="5">Macrocore</td> <td rowspan="5">40/60</td> <td rowspan="5"></td> <td rowspan="5"></td> <td>0.0</td> <td rowspan="10">Sample SB12_1-2 collected. Petroleum-like odors and slight staining observed.</td> </tr> <tr> <td>M-1B (12-18") Dark brown to black fine SAND (dry)[FILL]</td> <td>1</td> <td>3.3</td> </tr> <tr> <td>M-1C (18-20") Brick</td> <td>2</td> <td>29.8</td> </tr> <tr> <td>M-1D (20-34") Dark brown to black fine SAND, trace fine gravel, brick (dry)[FILL]</td> <td>3</td> <td>1.6</td> </tr> <tr> <td>M-1E (34-40") Gray medium SAND, trace fine gravel, concrete (dry)[FILL]</td> <td>4</td> <td>1.0</td> </tr> <tr> <td rowspan="5"></td> <td rowspan="5"></td> <td>5</td> <td rowspan="5">M-2</td> <td rowspan="5">Macrocore</td> <td rowspan="5">40/60</td> <td rowspan="5"></td> <td rowspan="5"></td> <td>1.0</td> </tr> <tr> <td>6</td> <td>0.0</td> </tr> <tr> <td>7</td> <td>0.0</td> </tr> <tr> <td>8</td> <td>0.0</td> </tr> <tr> <td>9</td> <td>0.0</td> </tr> <tr> <td rowspan="5"></td> <td rowspan="5"></td> <td>10</td> <td rowspan="5">M-3</td> <td rowspan="5">Macrocore</td> <td rowspan="5">42/60</td> <td rowspan="5"></td> <td rowspan="5"></td> <td>0.0</td> </tr> <tr> <td>11</td> <td>2.1</td> </tr> <tr> <td>12</td> <td>0.2</td> </tr> <tr> <td>13</td> <td>0.1</td> </tr> <tr> <td>14</td> <td>0.0</td> </tr> <tr> <td rowspan="5"></td> <td rowspan="5"></td> <td>15</td> <td rowspan="5"></td> <td rowspan="5"></td> <td rowspan="5"></td> <td rowspan="5"></td> <td rowspan="5"></td> <td>0.0</td> </tr> <tr> <td>16</td> <td>0.0</td> </tr> <tr> <td>17</td> <td>0.0</td> </tr> <tr> <td>18</td> <td>0.0</td> </tr> <tr> <td>19</td> <td>0.0</td> </tr> <tr> <td rowspan="2"></td> <td rowspan="2"></td> <td>20</td> <td rowspan="2"></td> <td rowspan="2"></td> <td rowspan="2"></td> <td rowspan="2"></td> <td rowspan="2"></td> <td>0.0</td> </tr> <tr> <td></td> <td></td> </tr> </tbody> </table>								MATERIAL SYMBOL	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)		M-1A (0-12") Light grayish-brown fine SAND, trace fine gravel, concrete (dry)[FILL]	0	M-1	Macrocore	40/60			0.0	Sample SB12_1-2 collected. Petroleum-like odors and slight staining observed.	M-1B (12-18") Dark brown to black fine SAND (dry)[FILL]	1	3.3	M-1C (18-20") Brick	2	29.8	M-1D (20-34") Dark brown to black fine SAND, trace fine gravel, brick (dry)[FILL]	3	1.6	M-1E (34-40") Gray medium SAND, trace fine gravel, concrete (dry)[FILL]	4	1.0			5	M-2	Macrocore	40/60			1.0	6	0.0	7	0.0	8	0.0	9	0.0			10	M-3	Macrocore	42/60			0.0	11	2.1	12	0.2	13	0.1	14	0.0			15						0.0	16	0.0	17	0.0	18	0.0	19	0.0			20						0.0		
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E.O. B. at 15'
Backfilled with non-impacted drill cuttings and No. 2 sand and capped at grade with concrete.

Project 560 Degraw Street and 224 Third Avenue				Project No. 170362002			
Location Brooklyn, NY				Elevation and Datum NA			
Drilling Company Eastern Environmental Solutions, Inc.				Date Started 8/17/21		Date Finished 8/17/21	
Drilling Equipment Geoprobe 7822 DT				Completion Depth 15 ft		Rock Depth NA	
Size and Type of Bit 2" Direct Push				Number of Samples 3		Disturbed NA	
Casing Diameter (in) NA		Casing Depth (ft) NA		Water Level (ft.) First 14.5		Undisturbed NA	
Casing Hammer NA		Weight (lbs) NA		Drop (in) NA		Completion NA	
Sampler 5' Macrocore 2" diameter				Drilling Foreman Patrick Slavin			
Sampler Hammer NA		Weight (lbs) NA		Drop (in) NA		Field Engineer Michael Au	

MATERIAL SYMBOL	Sample Description	Depth Scale	Sample Data					Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
			Number	Type	Recov. (in)	Penetr. resist	PID Reading (ppm)	
	M-1A (0-10") Dark brown to black medium SAND, brick, glass (dry)[FILL]	0	M-1	Macrocore	48/60		0.0	
	M-1B (10-12") Brick	1						
	M-1C (12-24") Dark brown fine SAND, trace fine gravel, brick (dry)[FILL]	2						
	M-1D (24-48") Brown to dark brown silty fine SAND, trace fine gravel, brick (moist)[FILL]	3						
		4	M-2	Macrocore	48/60		0.0	
	M-2A (0-16") Brown to dark brown silty fine SAND, trace fine gravel, brick (moist)[FILL]	5						
	M-2B (16-28") Dark brown to black silty fine SAND, trace fine gravel, brick (moist)[FILL]	6						
	M-2C (20-48") Brown silty fine SAND, trace fine gravel, brick (moist)[FILL]	7						
		8	M-3	Macrocore	36/60		0.0	
	M-3A (0-18") Brown silty fine SAND, trace fine gravel, brick (moist)[FILL]	9						
	M-3B (18-22") Brick	10						
	M-3C (20-22") Tan fine GRAVEL (dry)[FILL]	11						
	M-3D (22-30") Brown silty fine SAND, trace fine gravel (moist)[FILL]	12					0.0	
	M-3E (30-36") Dark brown silty fine SAND, brick (wet)[FILL]	13						
		14						
		15						
	16							
	17							
	18							
	19							
	20							

E.O. B. at 15'
Backfilled with drill cuttings
and No. 2 sand and capped at
grade with concrete.

1

Project 560 Degraw Street and 224 Third Avenue				Project No. 170362002					
Location Brooklyn, NY				Elevation and Datum NA					
Drilling Company Eastern Environmental Solutions, Inc.				Date Started 8/17/21		Date Finished 8/17/21			
Drilling Equipment Geoprobe 7822 DT				Completion Depth 2 ft		Rock Depth NA			
Size and Type of Bit 2" Direct Push				Number of Samples 1		Undisturbed NA			
Casing Diameter (in) NA				Casing Depth (ft) NA		Core NA			
Casing Hammer NA				Weight (lbs) NA		Drop (in) NA			
Sampler 5' Macrocore 2" diameter				Drilling Foreman Patrick Slavin					
Sampler Hammer NA				Field Engineer Michael Au					
Sampler Hammer NA				Weight (lbs) NA					
Drop (in) NA									
Sample Description				Depth Scale		Sample Data		Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)	
M-1A (0-18") Grayish brown fine SAND, trace fine gravel, concrete (dry)[FILL]				0		Number		PID Reading (ppm)	
				1		Type			
				2		Recov. (in)		Penetr. resist. BLU/in	
				3		18/24			
				4		Penetr. resist. BLU/in		0.0	
				5				0.0	
				6				0.0	
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Project 560 Degraw Street and 224 Third Avenue				Project No. 170362002			
Location Brooklyn, NY				Elevation and Datum NA			
Drilling Company Eastern Environmental Solutions, Inc.				Date Started 8/17/21		Date Finished 8/17/21	
Drilling Equipment Geoprobe 7822 DT				Completion Depth 15 ft		Rock Depth NA	
Size and Type of Bit 2" Direct Push				Number of Samples 3		Disturbed NA	
Casing Diameter (in) NA		Casing Depth (ft) NA		Water Level (ft.) First ∇ 13.5		Undisturbed NA	
Casing Hammer NA		Weight (lbs) NA		Drop (in) NA		Core NA	
Sampler 5' Macrocore 2" diameter				Drilling Foreman Patrick Slavin			
Sampler Hammer NA				Field Engineer Michael Au			
Weight (lbs) NA		Drop (in) NA					

MATERIAL SYMBOL	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)	
	M-1A (0-8") Dark brown to dark gray medium SAND, asphalt (dry)[FILL]	0	M-1	Macrocore	36/60		0.0	E.O. B. at 15' Backfilled with drill cuttings and No. 2 sand and capped at grade with concrete.
	M-2A (8-10") Grayish-brown silty fine SAND, trace fine gravel, concrete, wood (moist)[FILL]	1					0.0	
	M-1C (10-36") Dark brown to dark gray medium SAND, brick (dry)[FILL]	2					0.0	
		3					0.0	
		4					0.0	
		5	M-2	Macrocore	30/60		0.0	
	M-2A (0-12") Dark brown to dark gray coarse SAND, brick (dry)[FILL]	6					0.0	
		7					0.0	
	M-2B (12-30") Orangish-brown fine SAND, trace fine gravel, brick (dry)[FILL]	8					0.0	
		9					0.0	
		10	M-3	Macrocore	42/60		0.0	
	M-3A (0-8") Dark grayish-brown to dark black coarse SAND, trace fine gravel (dry)[FILL]	11					0.0	
	M-3B (8-36") Brown silty fine SAND, trace fine gravel, brick (moist)[FILL]	12					0.0	
		13					0.0	
		14					0.0	
	M-3C (36-42") Brown silty fine SAND (wet)	15					0.0	
		16						
		17						
		18						
		19						
		20						

Project 560 Degraw Street and 224 Third Avenue				Project No. 170362002						
Location Brooklyn, NY				Elevation and Datum NA						
Drilling Company Eastern Environmental Solutions, Inc.				Date Started 8/17/21		Date Finished 8/17/21				
Drilling Equipment Geoprobe 7822 DT				Completion Depth 20 ft		Rock Depth NA				
Size and Type of Bit 2" Direct Push				Number of Samples 4		Disturbed NA				
Casing Diameter (in) NA		Casing Depth (ft) NA		Water Level (ft.) First ∇ 13.5		Core NA				
Casing Hammer NA		Weight (lbs) NA		Drop (in) NA		Completion NA				
Sampler 5' Macrocore 2" diameter				Drilling Foreman Patrick Slavin						
Sampler Hammer NA				Field Engineer Michael Au						
MATERIAL SYMBOL	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)
	M-1A (0-2") Concrete			0	M-1	Macrocore	30/60		0.0	
	M-1B (2-10") Dark brown to brown fine SAND, trace fine gravel, concrete (dry)[FILL]									
	M-1C (10-16") Concrete									
	M-1D (16-30") Dark brown to brown fine SAND, trace fine gravel, brick (dry)[FILL]			2						
	M-2A (0-12") Brownish-gray medium SAND, trace fine gravel, brick (dry)[FILL]			4	M-2	Macrocore	24/60		0.0	
	M-2B (12-24") Brown fine SAND, trace silt, concrete (dry)[FILL]			6						
				8						
				10						
	M-3A (0-6") Brown fine SAND, trace silt, concrete (dry)[FILL]			12	M-3	Macrocore	24/60		0.0	
	M-3B (6-24") Tannish-white SAND, sea shell fragments (wet)[FILL]			14						
				16						
				18						
	M-4A (0-12") Tannish-white SAND, sea shell fragments (wet)[FILL]			20	M-4	Macrocore	36/60		0.0	
	M-4B (12-36") Dark gray to gray silty fine SAND, trace fine gravel (wet)			22						
				24						
				25						

E.O. B. at 20'
Installed MW03 screened from 10 to 20 feet bgs. Installed SV03 at 5 feet bgs. See construction logs for details.

Project 560 Degraw Street and 224 Third Avenue				Project No. 170362002			
Location Brooklyn, NY				Elevation and Datum NA			
Drilling Company Eastern Environmental Solutions, Inc.				Date Started 8/17/21		Date Finished 8/17/21	
Drilling Equipment Geoprobe 7822 DT				Completion Depth 15 ft		Rock Depth NA	
Size and Type of Bit 2" Direct Push				Number of Samples 3		Disturbed NA	
Casing Diameter (in) NA		Casing Depth (ft) NA		Water Level (ft.) First ∇ 12.5		Undisturbed NA	
Casing Hammer NA		Weight (lbs) NA		Drop (in) NA		Core NA	
Sampler 5' Macrocore 2" diameter				Drilling Foreman Patrick Slavin			
Sampler Hammer NA				Field Engineer Michael Au			
Weight (lbs) NA		Drop (in) NA					

MATERIAL SYMBOL	Sample Description	Depth Scale	Sample Data					Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
			Number	Type	Recov. (in)	Penetr. resist. BLU6in	PID Reading (ppm)	
	M-1A (0-12") Light gray to brown fine SAND, trace fine gravel, concrete (dry)[FILL]	0	M-1	Macrocore	30/60		0.0	
	M-1B (12-30") Dark brown fine SAND, trace fine gravel, glass (dry)[FILL]	1					0.0	
		2					0.0	
		3					0.0	
		4					0.0	
		5	M-2	Macrocore	12/60			
		6						
		7						
		8						
		9					0.0	
	M-2A (0-4") Dark brown fine SAND, trace fine gravel, glass (dry)[FILL]	10	M-3	Macrocore	36/60		0.0	E.O. B. at 15' Backfilled with drill cuttings and No. 2 sand and capped at grade with concrete.
	M-2B (4-12") Light tan medium SAND, sea shell fragments (dry) [FILL]	11					0.0	
		12					0.0	
	M-3A (0-6") Light tan medium SAND, sea shell fragments (dry) [FILL]	13					0.0	
	M-3B (6-36") Brown silty fine SAND (wet)	14					0.0	
		15					0.0	
		16					0.0	
		17					0.0	
		18					0.0	
		19					0.0	
		20					0.0	

Project 560 Degraw Street and 224 Third Avenue				Project No. 170362002																																																																																																	
Location Brooklyn, NY				Elevation and Datum NA																																																																																																	
Drilling Company Eastern Environmental Solutions, Inc.				Date Started 8/17/21		Date Finished 8/17/21																																																																																															
Drilling Equipment Geoprobe 7822 DT				Completion Depth 15 ft		Rock Depth NA																																																																																															
Size and Type of Bit 2" Direct Push				Number of Samples 3		Disturbed NA																																																																																															
Casing Diameter (in) NA				Casing Depth (ft) NA		Core NA																																																																																															
Casing Hammer NA				Weight (lbs) NA		Drop (in) NA																																																																																															
Sampler 5' Macrocore 2" diameter				Drilling Foreman Patrick Slavin																																																																																																	
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<table border="1"> <thead> <tr> <th rowspan="2">MATERIAL SYMBOL</th> <th rowspan="2">Sample Description</th> <th rowspan="2">Depth Scale</th> <th colspan="5">Sample Data</th> <th rowspan="2">Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)</th> </tr> <tr> <th>Number</th> <th>Type</th> <th>Recov. (in)</th> <th>Penetr. resist</th> <th>PID Reading (ppm)</th> </tr> </thead> <tbody> <tr> <td rowspan="3"></td> <td>M-1A (0-6") Grayish-brown fine SAND, concrete (dry)[FILL]</td> <td>0</td> <td rowspan="3">M-1</td> <td rowspan="3">Macrocore</td> <td rowspan="3">18/60</td> <td rowspan="3"></td> <td rowspan="3"></td> <td>0.0</td> <td rowspan="15">Sample SB18_7-8 collected.</td> </tr> <tr> <td>M-1B (6-18") Orangish-brown to dark brown fine SAND, trace fine gravel, sea shell fragments (dry)[FILL]</td> <td>1</td> <td>0.0</td> </tr> <tr> <td></td> <td>2</td> <td>0.0</td> </tr> <tr> <td rowspan="8"></td> <td>M-2A (0-6") Orangish-brown to dark brown fine SAND, trace fine gravel, sea shell fragments (dry)[FILL]</td> <td>6</td> <td rowspan="8">M-2</td> <td rowspan="8">Macrocore</td> <td rowspan="8">42/60</td> <td rowspan="8"></td> <td rowspan="8"></td> <td>0.0</td> </tr> <tr> <td>M-2B (6-24") Brown fine SAND, brick, glass (dry)[FILL]</td> <td>7</td> <td>0.0</td> </tr> <tr> <td></td> <td>8</td> <td>0.1</td> </tr> <tr> <td></td> <td>9</td> <td>0.7</td> </tr> <tr> <td>M-2C (24-30") Grayish-brown coarse SAND, trace fine gravel (dry)[FILL]</td> <td>10</td> <td>0.0</td> </tr> <tr> <td>M-2D (30-42") Dark brown to black silty fine SAND, trace fine gravel, brick (moist)</td> <td>11</td> <td>0.0</td> </tr> <tr> <td></td> <td>12</td> <td>0.0</td> </tr> <tr> <td></td> <td>13</td> <td>0.0</td> </tr> <tr> <td rowspan="7"></td> <td>M-3A (0-6") Dark brown to black coarse SAND, trace fine gravel, glass (dry)[FILL]</td> <td>12</td> <td rowspan="7">M-3</td> <td rowspan="7">Macrocore</td> <td rowspan="7">36/60</td> <td rowspan="7"></td> <td rowspan="7"></td> <td>0.0</td> </tr> <tr> <td>M-3B (6-36") Brown silty fine SAND, trace fine gravel (wet)</td> <td>13</td> <td>0.0</td> </tr> <tr> <td></td> <td>14</td> <td>0.0</td> </tr> <tr> <td></td> <td>15</td> <td>0.0</td> </tr> <tr> <td></td> <td>16</td> <td>0.0</td> </tr> <tr> <td></td> <td>17</td> <td>0.0</td> </tr> <tr> <td></td> <td>18</td> <td>0.0</td> </tr> <tr> <td></td> <td>19</td> <td>0.0</td> </tr> <tr> <td></td> <td>20</td> <td>0.0</td> <td>E.O. B. at 15' Backfilled with drill cuttings and No. 2 sand and capped at grade with concrete.</td> </tr> </tbody> </table>								MATERIAL SYMBOL	Sample Description	Depth Scale	Sample Data					Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)	Number	Type	Recov. (in)	Penetr. resist	PID Reading (ppm)		M-1A (0-6") Grayish-brown fine SAND, concrete (dry)[FILL]	0	M-1	Macrocore	18/60			0.0	Sample SB18_7-8 collected.	M-1B (6-18") Orangish-brown to dark brown fine SAND, trace fine gravel, sea shell fragments (dry)[FILL]	1	0.0		2	0.0		M-2A (0-6") Orangish-brown to dark brown fine SAND, trace fine gravel, sea shell fragments (dry)[FILL]	6	M-2	Macrocore	42/60			0.0	M-2B (6-24") Brown fine SAND, brick, glass (dry)[FILL]	7	0.0		8	0.1		9	0.7	M-2C (24-30") Grayish-brown coarse SAND, trace fine gravel (dry)[FILL]	10	0.0	M-2D (30-42") Dark brown to black silty fine SAND, trace fine gravel, brick (moist)	11	0.0		12	0.0		13	0.0		M-3A (0-6") Dark brown to black coarse SAND, trace fine gravel, glass (dry)[FILL]	12	M-3	Macrocore	36/60			0.0	M-3B (6-36") Brown silty fine SAND, trace fine gravel (wet)	13	0.0		14	0.0		15	0.0		16	0.0		17	0.0		18	0.0		19	0.0		20	0.0	E.O. B. at 15' Backfilled with drill cuttings and No. 2 sand and capped at grade with concrete.
MATERIAL SYMBOL	Sample Description	Depth Scale	Sample Data								Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)																																																																																										
			Number	Type	Recov. (in)	Penetr. resist	PID Reading (ppm)																																																																																														
	M-1A (0-6") Grayish-brown fine SAND, concrete (dry)[FILL]	0	M-1	Macrocore	18/60			0.0	Sample SB18_7-8 collected.																																																																																												
	M-1B (6-18") Orangish-brown to dark brown fine SAND, trace fine gravel, sea shell fragments (dry)[FILL]	1						0.0																																																																																													
		2						0.0																																																																																													
	M-2A (0-6") Orangish-brown to dark brown fine SAND, trace fine gravel, sea shell fragments (dry)[FILL]	6	M-2	Macrocore	42/60			0.0																																																																																													
	M-2B (6-24") Brown fine SAND, brick, glass (dry)[FILL]	7						0.0																																																																																													
		8						0.1																																																																																													
		9						0.7																																																																																													
	M-2C (24-30") Grayish-brown coarse SAND, trace fine gravel (dry)[FILL]	10						0.0																																																																																													
	M-2D (30-42") Dark brown to black silty fine SAND, trace fine gravel, brick (moist)	11						0.0																																																																																													
		12						0.0																																																																																													
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	M-3A (0-6") Dark brown to black coarse SAND, trace fine gravel, glass (dry)[FILL]	12	M-3	Macrocore	36/60			0.0																																																																																													
	M-3B (6-36") Brown silty fine SAND, trace fine gravel (wet)	13						0.0																																																																																													
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Project 560 Degraw Street and 224 Third Avenue			Project No. 170362002		
Location Brooklyn, NY			Elevation and Datum NA		
Drilling Company Eastern Environmental Solutions, Inc.			Date Started 8/17/21		Date Finished 8/17/21
Drilling Equipment Geoprobe 7822 DT			Completion Depth 15 ft		Rock Depth NA
Size and Type of Bit 2" Direct Push			Number of Samples	Disturbed 3	Undisturbed NA
Casing Diameter (in) NA		Casing Depth (ft) NA	Water Level (ft.) First 14	Completion NA	24 HR. NA
Casing Hammer NA	Weight (lbs) NA	Drop (in) NA	Drilling Foreman Patrick Slavin		
Sampler 5' Macrocore 2" diameter			Field Engineer Michael Au		
Sampler Hammer NA	Weight (lbs) NA	Drop (in) NA			

MATERIAL SYMBOL	Sample Description	Depth Scale	Sample Data					Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
			Number	Type	Recov. (in)	Penetr. resist. BLU6in	PID Reading (ppm)	
	M-1A (0-6") Grayish brown fine SAND, brick, concrete (dry)[FILL]	0	M-1	Macrocore	30/60		0.0	Sample SB19_8-9 collected.
	M-1B (6-30") Dark brown to black medium SAND, some coarse sand, trace fine gravel, brick (dry)[FILL]	1					0.0	
		2					0.0	
		3					0.0	
		4					0.0	
		5	M-2	Macrocore	36/60		0.0	
	M-2A (0-24") Dark brown to black medium SAND, some coarse sand, trace fine gravel, brick, sea shell fragments (dry)[FILL]	7					0.0	
		8					0.0	
		9					0.0	
	M-2B (24-36") Brown silty fine SAND (moist)[FILL]	10					0.0	
		11	M-3	Macrocore	24/60		0.0	E.O. B. at 15' Backfilled with drill cuttings and No. 2 sand and capped at grade with concrete.
	M-3A (0-12") Dark brown to black coarse SAND, sea shell fragments (dry)[FILL]	13					0.0	
		14					0.0	
	M-3B (12-24") Brown silty fine SAND (wet)	15					0.0	
		16					0.0	
		17						
		18						
		19						
		20						

Project 560 Degraw Street and 224 Third Avenue				Project No. 170362002			
Location Brooklyn, NY				Elevation and Datum NA			
Drilling Company Eastern Environmental Solutions, Inc.				Date Started 8/18/21		Date Finished 8/18/21	
Drilling Equipment Geoprobe GH42				Completion Depth 16 ft		Rock Depth NA	
Size and Type of Bit 2" Direct Push				Number of Samples 4		Disturbed NA	
Casing Diameter (in) NA				Casing Depth (ft) NA		Core NA	
Casing Hammer NA		Weight (lbs) NA		Drop (in) NA		Water Level (ft.) First ∇ 13.5	
Sampler 4' Macrocore 2" diameter				Drilling Foreman Patrick Slavin			
Sampler Hammer NA		Weight (lbs) NA		Drop (in) NA		Field Engineer Michael Au	

MATERIAL SYMBOL	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 BLU/in		
	M-1A (0-8") Concrete	0						Sample SB20_1-2 collected.
	M-1B (8-20") Grayish-brown fine SAND, trace coal ash, brick (dry)[FILL]	1	M-1	Macrocore	28/48		0.0	
	M-1C (20-28) Brown fine SAND, brick (dry)[FILL]	2					0.0	
		3					0.0	
	4	0.0						
	M-2A (0-6") Grayish-brown fine SAND, trace fine gravel, trace coal ash, brick (dry)[FILL]	6	M-2	Macrocore	24/48		0.0	
	M-2B (6-24") Brown fine SAND, trace silt, trace fine gravel, brick (dry)[FILL]	7					0.0	
		8					0.0	
		9					0.0	
	M-3A (0-12") Brown fine SAND, trace fine gravel (dry)[FILL]	11	M-3	Macrocore	12/48		0.0	
		12					0.0	
		13						
		14						
	M-4A (0-6") Brown fine SAND, trace fine gravel, coal fragments (wet)[FILL]	15	M-4	Macrocore	18/48		0.0	
	M-4B (6-18") Brown clayey fine SAND, trace silt (wet)[FILL]	16					0.0	
		17					0.0	
		18						
		19						
		20						

Project 560 Degraw Street and 224 Third Avenue			Project No. 170362002		
Location Brooklyn, NY			Elevation and Datum NA		
Drilling Company Eastern Environmental Solutions, Inc.			Date Started 8/18/21		Date Finished 8/18/21
Drilling Equipment Geoprobe GH42			Completion Depth 16 ft		Rock Depth NA
Size and Type of Bit 2" Direct Push			Number of Samples	Disturbed 4	Undisturbed NA
Casing Diameter (in) NA		Casing Depth (ft) NA	Water Level (ft.) First 11.5	Completion NA	24 HR. NA
Casing Hammer NA	Weight (lbs) NA	Drop (in) NA	Drilling Foreman Patrick Slavin		
Sampler 4' Macrocore 2" diameter			Field Engineer Michael Au		
Sampler Hammer NA	Weight (lbs) NA	Drop (in) NA			

MATERIAL SYMBOL	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)	
	M-1A (0-4") Concrete	0						
	M-1B (4-22") Grayish-brown medium SAND, some fine sand, trace coal ash, brick (dry)[FILL]	1					0.0	
		2					0.0	
		3					0.0	
	M-2A (0-12") Grayish-brown medium SAND, some fine sand, trace fine gravel, trace coal ash, brick(dry)[FILL]	4						
		5						
	M-2B (12-25") Orangish-brown to tan fine SAND, trace fine gravel, brick (dry)[FILL]	6					0.0	
		7					0.0	
	M-3A (0-5") Grayish-brown fine SAND, some medium sand, trace coal ash, brick (dry)[FILL]	8						
	M-3B (5-10") Brick	9						
	M-3C (10-26") Brown fine SAND, trace silt (dry)[FILL]	10					0.0	
		11					0.0	
	M-3D (26-28") Grayish-brown fine SAND, trace coal ash (dry)[wet] No Recovery	12					0.0	
		13						
		14						
		15						
		16						
		17						
		18						
		19						
		20						
		21						
		22						
		23						

E.O. B. at 16'
Backfilled with drill cuttings and No. 2 sand and capped at grade with concrete.

Project 560 Degraw Street and 224 Third Avenue				Project No. 170362002					
Location Brooklyn, NY				Elevation and Datum NA					
Drilling Company Eastern Environmental Solutions, Inc.				Date Started 8/18/21		Date Finished 8/18/21			
Drilling Equipment Geoprobe GH42				Completion Depth 16 ft		Rock Depth NA			
Size and Type of Bit 2" Direct Push				Number of Samples 4		Disturbed NA			
Casing Diameter (in) NA		Casing Depth (ft) NA		Water Level (ft.) First ∇ 12		Undisturbed NA			
Casing Hammer NA		Weight (lbs) NA		Drop (in) NA		Core NA			
Sampler 4' Macrocore 2" diameter				Drilling Foreman Patrick Slavin					
Sampler Hammer NA				Field Engineer Michael Au					
MATERIAL SYMBOL	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)	
	M-1A (0-4") Concrete	0	M-1	Macrocore	24/48		0.4	Sample SB22_9-10 collected. E.O. B. at 16' Backfilled with drill cuttings and No. 2 sand and capped at grade with concrete.	
	M-1B (4-12") Brown fine SAND, trace fine gravel, brick (dry)[FILL]	1							0.0
	M-1C (12-24") Grayish-white fine SAND, some fine gravel, brick (dry)[FILL]	2							0.0
		3							0.0
	M-2A (0-10") Dark gray fine SAND, some fine gravel, trace coal ash, brick (dry)[FILL]	4	M-2	Macrocore	18/48		0.0		
	M-2B (10-18") Dark brown fine SAND, trace silt, trace coal ash (moist)[FILL]	5							0.0
		6							0.0
		7							0.0
	M-3A (0-6") Dark gray fine SAND, trace fine gravel, trace coal ash, brick (dry)[FILL]	8	M-3	Macrocore	28/48		0.0		
	M-3B (6-12") Brown fine SAND, trace fine gravel (dry)[FILL]	9							1.1
	M-3C (12-18") Tannish-brown to orange fine SAND (dry)[FILL]	10							0.2
	M-3D (18-28") Brown fine SAND, trace silt, trace fine gravel (moist)[FILL]	11							0.3
	M-4A (0-10") Brown fine SAND, trace silt, trace fine gravel, brick (wet)[FILL]	12	M-4	Macrocore	10/48		0.0		
		13							0.1
		14							0.0
		15							
		16							
		17							
		18							
		19							
		20							

Project 560 Degraw Street and 224 Third Avenue				Project No. 170362002																																																																																																																																																																	
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Drilling Company Eastern Environmental Solutions, Inc.				Date Started 8/18/21		Date Finished 8/18/21																																																																																																																																																															
Drilling Equipment Geoprobe GH42				Completion Depth 20 ft		Rock Depth NA																																																																																																																																																															
Size and Type of Bit 2" Direct Push				Number of Samples 5		Disturbed NA																																																																																																																																																															
Casing Diameter (in) NA		Casing Depth (ft) NA		Water Level (ft.) First ∇ 10.3		Undisturbed NA																																																																																																																																																															
Casing Hammer NA		Weight (lbs) NA		Drop (in) NA		Completion NA																																																																																																																																																															
Sampler 4' Macrocore 2" diameter				Drilling Foreman Patrick Slavin																																																																																																																																																																	
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Project 560 Degraw Street and 224 Third Avenue				Project No. 170362002								
Location Brooklyn, NY				Elevation and Datum NA								
Drilling Company Eastern Environmental Solutions, Inc.				Date Started 8/18/21		Date Finished 8/18/21						
Drilling Equipment Geoprobe GH42				Completion Depth 16 ft		Rock Depth NA						
Size and Type of Bit 2" Direct Push				Number of Samples 4		Disturbed NA						
Casing Diameter (in) NA				Casing Depth (ft) NA		Core NA						
Casing Hammer NA		Weight (lbs) NA		Drop (in) NA		Water Level (ft.) First ∇ 14.3						
Sampler 4' Macrocore 2" diameter				Drilling Foreman Patrick Slavin								
Sampler Hammer NA				Field Engineer Michael Au								
MATERIAL SYMBOL	Sample Description	Depth Scale	Sample Data				Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)					
			Number	Type	Recov. (in)	Penetr. resist. BLU6in		PID Reading (ppm)				
	M-1A (0-22") Grayish-white fine SAND, trace fine gravel (dry)[FILL]	0	M-1	Macrocore	38/48		0.0	Sample SB24_1-2 collected.				
	1											0.0
	2											0.0
	3											0.0
	M-1B (22-30") Dark gray fine SAND, trace silt, trace fine gravel (dry)[FILL]	4					0.0					
	M-1C (22-38") Light brown to tan fine SAND, trace silt (dry)[FILL]	5	M-2	Macrocore	37/48		0.0					
	6										0.0	
	7										0.0	
	8										0.0	
	M-2A (0-2') Dark brown to black fine SAND, trace silt, trace fine gravel, trace coal ash (moist)[FILL]	9					0.0					
	M-2B (2-22") Brown fine SAND, trace fine gravel (moist)[FILL]	10					0.0					
	M-2C (22-37") Brown fine SAND, trace silt, trace fine gravel (moist)[FILL]	11					0.0					
	M-3A (0-17") Dark gray to black medium SAND, some coal ash, seashell fragments (dry)[FILL]	12	M-3	Macrocore	17/48		0.0					
	13										0.0	
	14										0.0	
	15										0.0	
M-4A (0-8") Grayish-brown fine SAND, trace clay, trace silt, trace gravel, seashell fragments (wet)[FILL]	16	M-4	Macrocore	12/48		0.1						
17												
18												
19												
M-4B (8-12") Dark gray fine SAND, some silt, trace clay, seashell fragments (wet)[FILL]	20											

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Refusal at 16'
Installed MW05 screened from 6 to 16 feet bgs. Installed SV05 at adjacent location. See construction logs for details.

Project 553 Sacket Street				Project No. 170362001			
Location Brooklyn, NY				Elevation and Datum N/A			
Drilling Company Eastern Environmental Solutions, Inc.				Date Started 6/28/21		Date Finished 6/28/21	
Drilling Equipment Geoprobe 7822 DT				Completion Depth 12 ft		Rock Depth N/A	
Size and Type of Bit 2in Direct Push				Number of Samples		Disturbed 3	
						Undisturbed N/A	
						Core N/A	
Casing Diameter (in) 2in			Casing Depth (ft) N/A	Water Level (ft.) First 10		Completion N/A	
Casing Hammer N/A			Weight (lbs) N/A	Drop (in) N/A	Drilling Foreman Jay		
Sampler Macrocore				Field Engineer Farielle Brazier			
Sampler Hammer N/A			Weight (lbs) N/A	Drop (in) N/A			

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	PID Reading (ppm)	
		Grayish reddish brown fine SAND, trace silt, trace fine gravel, brick, glass, fabric (dry)[FILL]	0						0.0	Collected soil sample SB01_2-4.
			1						0.0	
			2	M-1	Macrocore	18			0.0	
			3							
		Dark gray to black fine SAND, trace silt, trace fine gravel, mulch, glass, brick (dry)[FILL]	4							
			5						0.0	
			6	M-2	Macrocore	33			1.6	
			7						1.2	
			8						0.7	
		Dark gray to reddish brown fine SAND, trace silt, trace fine gravel, pulverized tree limbs, plastic (dry)[FILL]	9						0.9	
			10	M-3	Macrocore	24			0.0	
			11						0.0	
			12						0.0	Bottom of boring at 12 feet bgs. Soil boring was backfilled with clean cuttings and sand to surface grade, then patched with soil.
			13							
			14							
			15							

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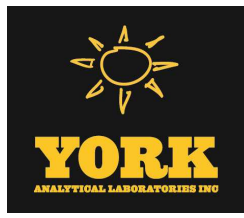
Project 553 Sacket Street				Project No. 170362001																																																																																																																						
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Drilling Company Eastern Environmental Solutions, Inc.				Date Started 6/30/21		Date Finished 6/30/21																																																																																																																				
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Project 553 Sacket Street				Project No. 170362001			
Location Brooklyn, NY				Elevation and Datum N/A			
Drilling Company Eastern Environmental Solutions, Inc.				Date Started 6/30/21		Date Finished 6/30/21	
Drilling Equipment Geoprobe 7822 DT				Completion Depth 12 ft		Rock Depth N/A	
Size and Type of Bit 2in Direct Push				Number of Samples		Disturbed 3	
						Undisturbed N/A	
						Core N/A	
Casing Diameter (in) 2in		Casing Depth (ft) N/A		Water Level (ft.) First ∇ 9.5		Completion ∇ N/A	
Casing Hammer N/A		Weight (lbs) N/A		Drop (in) N/A		24 HR. ∇ N/A	
Sampler Macrocore				Drilling Foreman Jay			
Sampler Hammer N/A				Field Engineer Farielle Brazier			
		Weight (lbs) N/A		Drop (in) N/A			

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)	
		Dark grayish brown to black fine SAND, trace silt, trace fine gravel, glass, mulch, brick (dry)[FILL]	0					1.2	Collected soil sample SB03_2-3.
			1					1.9	
			2					3.0	
			3					5.5	
			4					11.9	
		Dark brown to dark orangish brown fine SAND, some fine gravel, trace silt, glass, woody vegetation, brick (dry)[FILL]	5						
			6						
			7					0.2	
			8					1.7	
			9					3.2	
		Grayish black medium SAND, trace fine gravel (dry)[FILL]	10						
		Greenish gray fine SAND, trace silt, trace fine gravel (moist)[FILL]	11						
		Dark orangish brown fine SAND, some silt, trace fine gravel (wet)[SP]	12						
			13					0.0	Bottom of boring at 12 feet bgs. Soil boring was backfilled with clean cuttings and sand to surface grade, then patched with soil.
			14					0.0	
			15					0.0	

\\LANGAN.COM\DATA\Y\DATA01\170362001\ENGINEERING DATA\ENVIRONMENTAL\GINTLOGS\170362001_553 SACKETT STREET (OFFSITE).GPJ ... 1/14/2022 2:12:35 PM ... Report: Log - LANGAN



Technical Report

prepared for:

Langan Engineering & Environmental Services (NYC)

21 Penn Plaza, 360 West 31st Street

New York NY, 10001

Attention: Albert Tashji

Report Date: 07/07/2021

Client Project ID: 170362001

York Project (SDG) No.: 21F1318



CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037

New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

Report Date: 07/07/2021
Client Project ID: 170362001
York Project (SDG) No.: 21F1318

Langan Engineering & Environmental Services (NYC)

21 Penn Plaza, 360 West 31st Street
New York NY, 10001
Attention: Albert Tashji

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on June 28, 2021 and listed below. The project was identified as your project: **170362001**.

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

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

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

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

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

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
21F1318-01	SB01_2-4	Soil	06/28/2021	06/28/2021

General Notes for York Project (SDG) No.: 21F1318

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

Approved By



Cassie L. Mosher
Laboratory Manager

Date: 07/07/2021





Sample Information

Client Sample ID: SB01_2-4

York Sample ID: 21F1318-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21F1318

170362001

Soil

June 28, 2021 3:00 pm

06/28/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes: VOA-CONT

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/02/2021 02:28	LLJ
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/02/2021 02:28	LLJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/02/2021 02:28	LLJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	07/01/2021 12:00	07/02/2021 02:28	LLJ
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/02/2021 02:28	LLJ
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/02/2021 02:28	LLJ
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/02/2021 02:28	LLJ
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/02/2021 02:28	LLJ
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	07/01/2021 12:00	07/02/2021 02:28	LLJ
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/02/2021 02:28	LLJ
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/02/2021 02:28	LLJ
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/02/2021 02:28	LLJ
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/02/2021 02:28	LLJ
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/02/2021 02:28	LLJ
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/02/2021 02:28	LLJ
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/02/2021 02:28	LLJ
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/02/2021 02:28	LLJ
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/02/2021 02:28	LLJ
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/02/2021 02:28	LLJ
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.056	0.11	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/02/2021 02:28	LLJ
78-93-3	2-Butanone	0.010		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/02/2021 02:28	LLJ



Sample Information

Client Sample ID: SB01_2-4

York Sample ID: 21F1318-01

York Project (SDG) No.
21F1318

Client Project ID
170362001

Matrix
Soil

Collection Date/Time
June 28, 2021 3:00 pm

Date Received
06/28/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes: VOA-CONT

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/02/2021 02:28	LLJ
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/02/2021 02:28	LLJ
67-64-1	Acetone	0.065	VSAM P	mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/02/2021 02:28	LLJ
107-02-8	Acrolein	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/02/2021 02:28	LLJ
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/02/2021 02:28	LLJ
71-43-2	Benzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/02/2021 02:28	LLJ
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/02/2021 02:28	LLJ
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/02/2021 02:28	LLJ
75-25-2	Bromoform	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/02/2021 02:28	LLJ
74-83-9	Bromomethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/02/2021 02:28	LLJ
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/02/2021 02:28	LLJ
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/02/2021 02:28	LLJ
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/02/2021 02:28	LLJ
75-00-3	Chloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/02/2021 02:28	LLJ
67-66-3	Chloroform	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/02/2021 02:28	LLJ
74-87-3	Chloromethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/02/2021 02:28	LLJ
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/02/2021 02:28	LLJ
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/02/2021 02:28	LLJ
110-82-7	Cyclohexane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/02/2021 02:28	LLJ
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/02/2021 02:28	LLJ
74-95-3	Dibromomethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/02/2021 02:28	LLJ
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/02/2021 02:28	LLJ



Sample Information

Client Sample ID: SB01_2-4

York Sample ID: 21F1318-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21F1318

170362001

Soil

June 28, 2021 3:00 pm

06/28/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes: VOA-CONT

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/02/2021 02:28	LLJ
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/02/2021 02:28	LLJ
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/02/2021 02:28	LLJ
79-20-9	Methyl acetate	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/02/2021 02:28	LLJ
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/02/2021 02:28	LLJ
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/02/2021 02:28	LLJ
75-09-2	Methylene chloride	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/02/2021 02:28	LLJ
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/02/2021 02:28	LLJ
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/02/2021 02:28	LLJ
95-47-6	o-Xylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/02/2021 02:28	LLJ
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/02/2021 02:28	LLJ
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/02/2021 02:28	LLJ
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/02/2021 02:28	LLJ
100-42-5	Styrene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/02/2021 02:28	LLJ
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/02/2021 02:28	LLJ
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/02/2021 02:28	LLJ
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/02/2021 02:28	LLJ
108-88-3	Toluene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/02/2021 02:28	LLJ
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/02/2021 02:28	LLJ
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/02/2021 02:28	LLJ
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/02/2021 02:28	LLJ
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/02/2021 02:28	LLJ



Sample Information

Client Sample ID: SB01_2-4

York Sample ID: 21F1318-01

York Project (SDG) No.
21F1318

Client Project ID
170362001

Matrix
Soil

Collection Date/Time
June 28, 2021 3:00 pm

Date Received
06/28/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes: VOA-CONT

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/02/2021 02:28	LLJ
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0085	0.017	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	07/01/2021 12:00	07/02/2021 02:28	LLJ
Surrogate Recoveries		Result		Acceptance Range							
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	106 %		77-125							
2037-26-5	Surrogate: SURR: Toluene-d8	97.4 %		85-120							
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	105 %		76-130							

Volatile Organics, Tentatively Identified Cmpds.

Log-in Notes:

Sample Notes: VOA-CONT

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
NA	Benzene isomer rt. 12.267	5.7	J	ug/kg dry			1	EPA 8260C Certifications:	07/01/2021 12:00	07/02/2021 02:28	LLJ
NA	Naphthalene isomer rt. 13.544	6.3	J	ug/kg dry			1	EPA 8260C Certifications:	07/01/2021 12:00	07/02/2021 02:28	LLJ

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/30/2021 18:11	07/02/2021 13:01	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0914	0.183	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/30/2021 18:11	07/02/2021 13:01	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/30/2021 18:11	07/02/2021 13:01	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0914	0.183	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/30/2021 18:11	07/02/2021 13:01	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/30/2021 18:11	07/02/2021 13:01	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/30/2021 18:11	07/02/2021 13:01	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/30/2021 18:11	07/02/2021 13:01	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/30/2021 18:11	07/02/2021 13:01	KH
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0914	0.183	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/30/2021 18:11	07/02/2021 13:01	KH
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/30/2021 18:11	07/02/2021 13:01	KH



Sample Information

Client Sample ID: SB01_2-4

York Sample ID: 21F1318-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21F1318

170362001

Soil

June 28, 2021 3:00 pm

06/28/2021

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/30/2021 18:11	07/02/2021 13:01	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/30/2021 18:11	07/02/2021 13:01	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/30/2021 18:11	07/02/2021 13:01	KH
91-57-6	2-Methylnaphthalene	0.172		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/30/2021 18:11	07/02/2021 13:01	KH
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/30/2021 18:11	07/02/2021 13:01	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0914	0.183	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/30/2021 18:11	07/02/2021 13:01	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/30/2021 18:11	07/02/2021 13:01	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/30/2021 18:11	07/02/2021 13:01	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/30/2021 18:11	07/02/2021 13:01	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0914	0.183	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/30/2021 18:11	07/02/2021 13:01	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0914	0.183	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/30/2021 18:11	07/02/2021 13:01	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/30/2021 18:11	07/02/2021 13:01	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/30/2021 18:11	07/02/2021 13:01	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/30/2021 18:11	07/02/2021 13:01	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/30/2021 18:11	07/02/2021 13:01	KH
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0914	0.183	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/30/2021 18:11	07/02/2021 13:01	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0914	0.183	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/30/2021 18:11	07/02/2021 13:01	KH
83-32-9	Acenaphthene	0.139		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/30/2021 18:11	07/02/2021 13:01	KH
208-96-8	Acenaphthylene	0.420		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/30/2021 18:11	07/02/2021 13:01	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/30/2021 18:11	07/02/2021 13:01	KH
62-53-3	Aniline	ND		mg/kg dry	0.183	0.366	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/30/2021 18:11	07/02/2021 13:01	KH
120-12-7	Anthracene	0.433		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/30/2021 18:11	07/02/2021 13:01	KH



Sample Information

Client Sample ID: SB01_2-4

York Sample ID: 21F1318-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21F1318

170362001

Soil

June 28, 2021 3:00 pm

06/28/2021

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1912-24-9	Atrazine	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/30/2021 18:11	07/02/2021 13:01	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/30/2021 18:11	07/02/2021 13:01	KH
92-87-5	Benzidine	ND		mg/kg dry	0.183	0.366	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	06/30/2021 18:11	07/02/2021 13:01	KH
56-55-3	Benzo(a)anthracene	1.15		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/30/2021 18:11	07/02/2021 13:01	KH
50-32-8	Benzo(a)pyrene	1.80		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/30/2021 18:11	07/02/2021 13:01	KH
205-99-2	Benzo(b)fluoranthene	0.862		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/30/2021 18:11	07/02/2021 13:01	KH
191-24-2	Benzo(g,h,i)perylene	1.28		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/30/2021 18:11	07/02/2021 13:01	KH
207-08-9	Benzo(k)fluoranthene	1.33		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/30/2021 18:11	07/02/2021 13:01	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/30/2021 18:11	07/02/2021 13:01	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/30/2021 18:11	07/02/2021 13:01	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/30/2021 18:11	07/02/2021 13:01	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/30/2021 18:11	07/02/2021 13:01	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/30/2021 18:11	07/02/2021 13:01	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/30/2021 18:11	07/02/2021 13:01	KH
117-81-7	Bis(2-ethylhexyl)phthalate	1.08		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/30/2021 18:11	07/02/2021 13:01	KH
105-60-2	Caprolactam	ND		mg/kg dry	0.0914	0.183	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/30/2021 18:11	07/02/2021 13:01	KH
86-74-8	Carbazole	0.123		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/30/2021 18:11	07/02/2021 13:01	KH
218-01-9	Chrysene	1.14		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/30/2021 18:11	07/02/2021 13:01	KH
53-70-3	Dibenzo(a,h)anthracene	0.365		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/30/2021 18:11	07/02/2021 13:01	KH
132-64-9	Dibenzofuran	0.0804	J	mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/30/2021 18:11	07/02/2021 13:01	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/30/2021 18:11	07/02/2021 13:01	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/30/2021 18:11	07/02/2021 13:01	KH



Sample Information

Client Sample ID: SB01_2-4

York Sample ID: 21F1318-01

York Project (SDG) No.
21F1318

Client Project ID
170362001

Matrix
Soil

Collection Date/Time
June 28, 2021 3:00 pm

Date Received
06/28/2021

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/30/2021 18:11	07/02/2021 13:01	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/30/2021 18:11	07/02/2021 13:01	KH
122-39-4	Diphenylamine	ND		mg/kg dry	0.0914	0.183	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/30/2021 18:11	07/02/2021 13:01	KH
206-44-0	Fluoranthene	2.29		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/30/2021 18:11	07/02/2021 13:01	KH
86-73-7	Fluorene	0.223		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/30/2021 18:11	07/02/2021 13:01	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/30/2021 18:11	07/02/2021 13:01	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/30/2021 18:11	07/02/2021 13:01	KH
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/30/2021 18:11	07/02/2021 13:01	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/30/2021 18:11	07/02/2021 13:01	KH
193-39-5	Indeno(1,2,3-cd)pyrene	1.06		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/30/2021 18:11	07/02/2021 13:01	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/30/2021 18:11	07/02/2021 13:01	KH
91-20-3	Naphthalene	0.191		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/30/2021 18:11	07/02/2021 13:01	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/30/2021 18:11	07/02/2021 13:01	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/30/2021 18:11	07/02/2021 13:01	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/30/2021 18:11	07/02/2021 13:01	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/30/2021 18:11	07/02/2021 13:01	KH
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/30/2021 18:11	07/02/2021 13:01	KH
85-01-8	Phenanthrene	1.26		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/30/2021 18:11	07/02/2021 13:01	KH
108-95-2	Phenol	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/30/2021 18:11	07/02/2021 13:01	KH
129-00-0	Pyrene	2.44		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/30/2021 18:11	07/02/2021 13:01	KH
110-86-1	Pyridine	ND		mg/kg dry	0.183	0.366	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/30/2021 18:11	07/02/2021 13:01	KH
Surrogate Recoveries		Result	Acceptance Range								



Sample Information

Client Sample ID: SB01_2-4

York Sample ID: 21F1318-01

York Project (SDG) No.
21F1318

Client Project ID
170362001

Matrix
Soil

Collection Date/Time
June 28, 2021 3:00 pm

Date Received
06/28/2021

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
367-12-4	Surrogate: SURR: 2-Fluorophenol	42.6 %			20-108						
4165-62-2	Surrogate: SURR: Phenol-d5	43.1 %			23-114						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	55.8 %			22-108						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	53.0 %			21-113						
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	61.8 %			19-110						
1718-51-0	Surrogate: SURR: Terphenyl-d14	72.2 %			24-116						

Semi-Volatiles, Tentatively Identified Cmpds.

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
NA	Unknown Hydrocarbon RT 10.0	1500	J	ug/kg dry			2	EPA 8270D Certifications:	06/30/2021 18:11	07/02/2021 13:01	KH
NA	Unknown Hydrocarbon RT 7.5	1610	J	ug/kg dry			2	EPA 8270D Certifications:	06/30/2021 18:11	07/02/2021 13:01	KH
NA	Unknown Hydrocarbon RT 8.0	1400	J	ug/kg dry			2	EPA 8270D Certifications:	06/30/2021 18:11	07/02/2021 13:01	KH
NA	Unknown RT 11.7	1190	J	ug/kg dry			2	EPA 8270D Certifications:	06/30/2021 18:11	07/02/2021 13:01	KH
NA	Unknown RT 7.1	826	J	ug/kg dry			2	EPA 8270D Certifications:	06/30/2021 18:11	07/02/2021 13:01	KH
NA	Unknown RT 8.1	969	J	ug/kg dry			2	EPA 8270D Certifications:	06/30/2021 18:11	07/02/2021 13:01	KH

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/30/2021 13:48	07/02/2021 17:29	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/30/2021 13:48	07/02/2021 17:29	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/30/2021 13:48	07/02/2021 17:29	CM
309-00-2	Aldrin	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/30/2021 13:48	07/02/2021 17:29	CM
319-84-6	alpha-BHC	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/30/2021 13:48	07/02/2021 17:29	CM
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	06/30/2021 13:48	07/02/2021 17:29	CM
319-85-7	beta-BHC	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/30/2021 13:48	07/02/2021 17:29	CM



Sample Information

Client Sample ID: SB01_2-4

York Sample ID: 21F1318-01

York Project (SDG) No.
21F1318

Client Project ID
170362001

Matrix
Soil

Collection Date/Time
June 28, 2021 3:00 pm

Date Received
06/28/2021

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-74-9	Chlordane, total	ND		mg/kg dry	0.0367	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/30/2021 13:48	07/02/2021 17:29	CM
319-86-8	delta-BHC	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/30/2021 13:48	07/02/2021 17:29	CM
60-57-1	Dieldrin	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/30/2021 13:48	07/02/2021 17:29	CM
959-98-8	Endosulfan I	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/30/2021 13:48	07/02/2021 17:29	CM
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	06/30/2021 13:48	07/02/2021 17:29	CM
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/30/2021 13:48	07/02/2021 17:29	CM
72-20-8	Endrin	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/30/2021 13:48	07/02/2021 17:29	CM
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/30/2021 13:48	07/02/2021 17:29	CM
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/30/2021 13:48	07/02/2021 17:29	CM
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/30/2021 13:48	07/02/2021 17:29	CM
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	06/30/2021 13:48	07/02/2021 17:29	CM
76-44-8	Heptachlor	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/30/2021 13:48	07/02/2021 17:29	CM
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/30/2021 13:48	07/02/2021 17:29	CM
72-43-5	Methoxychlor	ND		mg/kg dry	0.00916	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/30/2021 13:48	07/02/2021 17:29	CM
8001-35-2	Toxaphene	ND		mg/kg dry	0.0927	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/30/2021 13:48	07/02/2021 17:29	CM
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	54.6 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	41.2 %	30-150							

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0185	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	06/30/2021 13:48	07/01/2021 20:34	BJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0185	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	06/30/2021 13:48	07/01/2021 20:34	BJ



Sample Information

Client Sample ID: SB01_2-4

York Sample ID: 21F1318-01

York Project (SDG) No.
21F1318

Client Project ID
170362001

Matrix
Soil

Collection Date/Time
June 28, 2021 3:00 pm

Date Received
06/28/2021

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0185	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	06/30/2021 13:48	07/01/2021 20:34	BJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0185	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	06/30/2021 13:48	07/01/2021 20:34	BJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0185	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	06/30/2021 13:48	07/01/2021 20:34	BJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0185	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	06/30/2021 13:48	07/01/2021 20:34	BJ
11096-82-5	Aroclor 1260	0.135		mg/kg dry	0.0185	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	06/30/2021 13:48	07/01/2021 20:34	BJ
1336-36-3	* Total PCBs	0.135		mg/kg dry	0.0185	1	EPA 8082A Certifications:	06/30/2021 13:48	07/01/2021 20:34	BJ
Surrogate Recoveries		Result	Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	64.5 %	30-140							
2051-24-3	Surrogate: Decachlorobiphenyl	48.5 %	30-140							

Herbicides, Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0224	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/01/2021 08:05	07/01/2021 18:08	BJ
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0224	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/01/2021 08:05	07/01/2021 18:08	BJ
94-75-7	2,4-D	ND		mg/kg dry	0.0224	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/01/2021 08:05	07/01/2021 18:08	BJ
Surrogate Recoveries		Result	Acceptance Range							
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (	83.8 %	21-150							

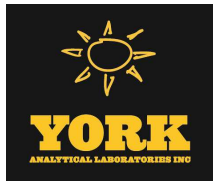
Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	8030		mg/kg dry	5.65	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2021 07:35	07/06/2021 18:10	EM
7440-36-0	Antimony	ND		mg/kg dry	2.82	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2021 07:35	07/06/2021 18:10	EM
7440-38-2	Arsenic	15.0		mg/kg dry	1.69	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2021 07:35	07/06/2021 18:10	EM
7440-39-3	Barium	259		mg/kg dry	2.82	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2021 07:35	07/06/2021 18:10	EM



Sample Information

Client Sample ID: SB01_2-4

York Sample ID: 21F1318-01

York Project (SDG) No.

21F1318

Client Project ID

170362001

Matrix

Soil

Collection Date/Time

June 28, 2021 3:00 pm

Date Received

06/28/2021

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-41-7	Beryllium	ND		mg/kg dry	0.056	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2021 07:35	07/06/2021 18:10	EM
7440-43-9	Cadmium	7.78		mg/kg dry	0.339	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2021 07:35	07/06/2021 18:10	EM
7440-70-2	Calcium	37400		mg/kg dry	5.65	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2021 07:35	07/06/2021 18:10	EM
7440-47-3	Chromium	48.2		mg/kg dry	0.565	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2021 07:35	07/06/2021 18:10	EM
7440-48-4	Cobalt	10.8		mg/kg dry	0.452	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2021 07:35	07/06/2021 18:10	EM
7440-50-8	Copper	451		mg/kg dry	2.26	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2021 07:35	07/06/2021 18:10	EM
7439-89-6	Iron	49100		mg/kg dry	28.2	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2021 07:35	07/06/2021 18:10	EM
7439-92-1	Lead	711		mg/kg dry	0.565	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2021 07:35	07/06/2021 18:10	EM
7439-95-4	Magnesium	11300		mg/kg dry	5.65	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2021 07:35	07/06/2021 18:10	EM
7439-96-5	Manganese	399		mg/kg dry	0.565	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2021 07:35	07/06/2021 18:10	EM
7440-02-0	Nickel	49.5		mg/kg dry	1.13	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2021 07:35	07/06/2021 18:10	EM
7440-09-7	Potassium	2350		mg/kg dry	5.65	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2021 07:35	07/06/2021 18:10	EM
7782-49-2	Selenium	ND		mg/kg dry	2.82	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2021 07:35	07/06/2021 18:10	EM
7440-22-4	Silver	ND		mg/kg dry	0.565	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2021 07:35	07/06/2021 18:10	EM
7440-23-5	Sodium	244		mg/kg dry	56.5	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2021 07:35	07/06/2021 18:10	EM
7440-28-0	Thallium	ND		mg/kg dry	2.82	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2021 07:35	07/06/2021 18:10	EM
7440-62-2	Vanadium	31.2		mg/kg dry	1.13	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2021 07:35	07/06/2021 18:10	EM
7440-66-6	Zinc	779		mg/kg dry	2.82	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2021 07:35	07/06/2021 18:10	EM

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.528		mg/kg dry	0.0339	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	07/06/2021 08:23	07/06/2021 12:35	AD



Sample Information

Client Sample ID: SB01_2-4

York Sample ID: 21F1318-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21F1318

170362001

Soil

June 28, 2021 3:00 pm

06/28/2021

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.565	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	06/30/2021 07:44	06/30/2021 17:07	ALH

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	48.2		mg/kg	0.500	1	Calculation Certifications:	07/06/2021 16:13	07/07/2021 16:39	PAM

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	0.760		mg/kg dry	0.565	1	EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	06/30/2021 08:09	06/30/2021 14:35	JAG

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	88.6		%	0.100	1	SM 2540G Certifications: CTDOH	07/01/2021 15:57	07/01/2021 18:55	VR



Analytical Batch Summary

Batch ID: BF11597 **Preparation Method:** EPA SW846-3060 **Prepared By:** ALH

YORK Sample ID	Client Sample ID	Preparation Date
21F1318-01	SB01_2-4	06/30/21
BF11597-BLK1	Blank	06/30/21
BF11597-DUP1	Duplicate	06/30/21
BF11597-MS1	Matrix Spike	06/30/21
BF11597-MS2	Matrix Spike	06/30/21
BF11597-SRM1	Reference	06/30/21

Batch ID: BF11609 **Preparation Method:** Analysis Preparation Soil **Prepared By:** JAG

YORK Sample ID	Client Sample ID	Preparation Date
21F1318-01	SB01_2-4	06/30/21
BF11609-BLK1	Blank	06/30/21
BF11609-DUP1	Duplicate	06/30/21
BF11609-MS1	Matrix Spike	06/30/21
BF11609-SRM1	Reference	06/30/21

Batch ID: BF11642 **Preparation Method:** EPA 3550C **Prepared By:** MAM

YORK Sample ID	Client Sample ID	Preparation Date
21F1318-01	SB01_2-4	06/30/21
21F1318-01	SB01_2-4	06/30/21
BF11642-BLK1	Blank	06/30/21
BF11642-BLK2	Blank	06/30/21
BF11642-BS1	LCS	06/30/21
BF11642-BS2	LCS	06/30/21
BF11642-MS1	Matrix Spike	06/30/21
BF11642-MS2	Matrix Spike	06/30/21
BF11642-MSD1	Matrix Spike Dup	06/30/21
BF11642-MSD2	Matrix Spike Dup	06/30/21

Batch ID: BF11663 **Preparation Method:** EPA 3546 SVOA **Prepared By:** EMS

YORK Sample ID	Client Sample ID	Preparation Date
21F1318-01	SB01_2-4	06/30/21
21F1318-01	SB01_2-4	06/30/21
BF11663-BLK1	Blank	06/30/21
BF11663-BS1	LCS	06/30/21

Batch ID: BG10013 **Preparation Method:** EPA 3550C/8151A **Prepared By:** SJB

YORK Sample ID	Client Sample ID	Preparation Date
21F1318-01	SB01_2-4	07/01/21
BG10013-BLK1	Blank	07/01/21



BG10013-BS1

LCS

07/01/21

Batch ID: BG10067**Preparation Method:** % Solids Prep**Prepared By:** VR

YORK Sample ID	Client Sample ID	Preparation Date
21F1318-01	SB01_2-4	07/01/21
BG10067-DUP1	Duplicate	07/01/21

Batch ID: BG10083**Preparation Method:** EPA 5035A**Prepared By:** LLJ

YORK Sample ID	Client Sample ID	Preparation Date
21F1318-01	SB01_2-4	07/01/21
BG10083-BLK1	Blank	07/01/21
BG10083-BLK2	Blank	07/01/21
BG10083-BLK3	Blank	07/01/21
BG10083-BS1	LCS	07/01/21
BG10083-BSD1	LCS Dup	07/01/21

Batch ID: BG10093**Preparation Method:** EPA 3050B**Prepared By:** EM

YORK Sample ID	Client Sample ID	Preparation Date
21F1318-01	SB01_2-4	07/02/21
BG10093-BLK1	Blank	07/02/21
BG10093-DUP1	Duplicate	07/02/21
BG10093-MS1	Matrix Spike	07/02/21
BG10093-PS1	Post Spike	07/02/21
BG10093-SRM1	Reference	07/02/21

Batch ID: BG10175**Preparation Method:** EPA 7473 soil**Prepared By:** AD

YORK Sample ID	Client Sample ID	Preparation Date
21F1318-01	SB01_2-4	07/06/21
BG10175-BLK1	Blank	07/06/21
BG10175-DUP1	Duplicate	07/06/21
BG10175-MS1	Matrix Spike	07/06/21
BG10175-SRM1	Reference	07/06/21

Batch ID: BG10222**Preparation Method:** Analysis Preparation**Prepared By:** PAM

YORK Sample ID	Client Sample ID	Preparation Date
21F1318-01	SB01_2-4	07/06/21



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

										RPD	
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	Limit	Flag
Batch BG10083 - EPA 5035A											
Blank (BG10083-BLK1)	Blank								Prepared & Analyzed: 07/01/2021		
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
Tentatively Identified Compounds	0.0		ug/kg wet								
1,1,1-Trichloroethane	ND	0.0050	mg/kg wet								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG10083 - EPA 5035A

Blank (BG10083-BLK1)	Blank		Prepared & Analyzed: 07/01/2021								
Methylene chloride	ND	0.010	mg/kg wet								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	<i>51.5</i>		<i>ug/L</i>	<i>50.0</i>		<i>103</i>	<i>77-125</i>				
<i>Surrogate: SURR: Toluene-d8</i>	<i>48.8</i>		<i>"</i>	<i>50.0</i>		<i>97.7</i>	<i>85-120</i>				
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	<i>52.6</i>		<i>"</i>	<i>50.0</i>		<i>105</i>	<i>76-130</i>				

Blank (BG10083-BLK2)	HOLDING BLANK-21F1462		Prepared & Analyzed: 07/01/2021								
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
Tentatively Identified Compounds	0.0		ug/kg wet								
1,1,1-Trichloroethane	ND	0.0050	mg/kg wet								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG10083 - EPA 5035A

Blank (BG10083-BLK2)		HOLDING BLANK-21F1462				Prepared & Analyzed: 07/01/2021					
Bromochloromethane	ND	0.0050	mg/kg wet								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	51.7		ug/L	50.0		103	77-125				
Surrogate: SURR: Toluene-d8	48.6		"	50.0		97.1	85-120				
Surrogate: SURR: p-Bromofluorobenzene	51.4		"	50.0		103	76-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG10083 - EPA 5035A											
Blank (BG10083-BLK3)	HOLDING BLANK-21F1318								Prepared & Analyzed: 07/01/2021		
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
Tentatively Identified Compounds	0.0		ug/kg wet								
1,1,1-Trichloroethane	ND	0.0050	mg/kg wet								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG10083 - EPA 5035A

Blank (BG10083-BLK3)	HOLDING BLANK-21F1318							Prepared & Analyzed: 07/01/2021			
n-Butylbenzene	ND	0.0050	mg/kg wet								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	<i>50.6</i>		<i>ug/L</i>	<i>50.0</i>		<i>101</i>	<i>77-125</i>				
<i>Surrogate: SURR: Toluene-d8</i>	<i>49.0</i>		<i>"</i>	<i>50.0</i>		<i>98.0</i>	<i>85-120</i>				
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	<i>51.6</i>		<i>"</i>	<i>50.0</i>		<i>103</i>	<i>76-130</i>				

LCS (BG10083-BS1)	LCS							Prepared & Analyzed: 07/01/2021			
1,1,1,2-Tetrachloroethane	59.9		ug/L	50.0		120	75-129				
1,1,1-Trichloroethane	61.8		"	50.0		124	71-137				
1,1,2,2-Tetrachloroethane	54.0		"	50.0		108	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	50.2		"	50.0		100	58-146				
1,1,2-Trichloroethane	54.0		"	50.0		108	83-123				
1,1-Dichloroethane	53.5		"	50.0		107	75-130				
1,1-Dichloroethylene	47.9		"	50.0		95.8	64-137				
1,2,3-Trichlorobenzene	56.0		"	50.0		112	81-140				
1,2,3-Trichloropropane	56.0		"	50.0		112	81-126				
1,2,4-Trichlorobenzene	56.0		"	50.0		112	80-141				
1,2,4-Trimethylbenzene	54.0		"	50.0		108	84-125				
1,2-Dibromo-3-chloropropane	63.1		"	50.0		126	74-142				
1,2-Dibromoethane	56.7		"	50.0		113	86-123				
1,2-Dichlorobenzene	55.0		"	50.0		110	85-122				
1,2-Dichloroethane	56.6		"	50.0		113	71-133				
1,2-Dichloropropane	49.8		"	50.0		99.5	81-122				
1,3,5-Trimethylbenzene	54.3		"	50.0		109	82-126				
1,3-Dichlorobenzene	54.4		"	50.0		109	84-124				
1,4-Dichlorobenzene	55.2		"	50.0		110	84-124				
1,4-Dioxane	1080		"	1050		102	10-228				
2-Butanone	53.5		"	50.0		107	58-147				
2-Hexanone	51.1		"	50.0		102	70-139				
4-Methyl-2-pentanone	49.3		"	50.0		98.7	72-132				
Acetone	55.2		"	50.0		110	36-155				
Acrolein	14.5		"	50.0		29.0	10-238				
Acrylonitrile	50.5		"	50.0		101	66-141				
Benzene	53.0		"	50.0		106	77-127				
Bromochloromethane	50.6		"	50.0		101	74-129				
Bromodichloromethane	59.7		"	50.0		119	81-124				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG10083 - EPA 5035A

LCS (BG10083-BS1)	LCS	Prepared & Analyzed: 07/01/2021									
Bromoform	58.2	ug/L	50.0	116	80-136						
Bromomethane	57.5	"	50.0	115	32-177						
Carbon disulfide	61.8	"	50.0	124	10-136						
Carbon tetrachloride	59.0	"	50.0	118	66-143						
Chlorobenzene	53.2	"	50.0	106	86-120						
Chloroethane	55.2	"	50.0	110	51-142						
Chloroform	57.7	"	50.0	115	76-131						
Chloromethane	47.2	"	50.0	94.4	49-132						
cis-1,2-Dichloroethylene	53.6	"	50.0	107	74-132						
cis-1,3-Dichloropropylene	55.7	"	50.0	111	81-129						
Cyclohexane	48.6	"	50.0	97.3	70-130						
Dibromochloromethane	55.8	"	50.0	112	10-200						
Dibromomethane	54.4	"	50.0	109	83-124						
Dichlorodifluoromethane	41.6	"	50.0	83.2	28-158						
Ethyl Benzene	52.6	"	50.0	105	84-125						
Hexachlorobutadiene	59.1	"	50.0	118	83-133						
Isopropylbenzene	54.5	"	50.0	109	81-127						
Methyl acetate	46.5	"	50.0	93.1	41-143						
Methyl tert-butyl ether (MTBE)	56.0	"	50.0	112	74-131						
Methylcyclohexane	50.0	"	50.0	100	70-130						
Methylene chloride	50.3	"	50.0	101	57-141						
n-Butylbenzene	59.5	"	50.0	119	80-130						
n-Propylbenzene	52.4	"	50.0	105	74-136						
o-Xylene	53.2	"	50.0	106	83-123						
p- & m- Xylenes	107	"	100	107	82-128						
p-Isopropyltoluene	54.9	"	50.0	110	85-125						
sec-Butylbenzene	54.0	"	50.0	108	83-125						
Styrene	53.3	"	50.0	107	86-126						
tert-Butyl alcohol (TBA)	57.8	"	250	23.1	70-130	Low Bias					
tert-Butylbenzene	55.6	"	50.0	111	80-127						
Tetrachloroethylene	56.4	"	50.0	113	80-129						
Toluene	51.4	"	50.0	103	85-121						
trans-1,2-Dichloroethylene	53.1	"	50.0	106	72-132						
trans-1,3-Dichloropropylene	52.3	"	50.0	105	78-132						
Trichloroethylene	54.9	"	50.0	110	84-123						
Trichlorofluoromethane	52.7	"	50.0	105	62-140						
Vinyl Chloride	49.9	"	50.0	99.7	52-130						
Surrogate: SURR: 1,2-Dichloroethane-d4	52.2	"	50.0	104	77-125						
Surrogate: SURR: Toluene-d8	48.4	"	50.0	96.8	85-120						
Surrogate: SURR: p-Bromofluorobenzene	50.1	"	50.0	100	76-130						



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG10083 - EPA 5035A											
LCS Dup (BG10083-BSD1)	LCS Dup		Prepared & Analyzed: 07/01/2021								
1,1,1,2-Tetrachloroethane	62.2		ug/L	50.0		124	75-129		3.78	30	
1,1,1-Trichloroethane	64.2		"	50.0		128	71-137		3.74	30	
1,1,2,2-Tetrachloroethane	55.0		"	50.0		110	79-129		1.76	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	50.9		"	50.0		102	58-146		1.40	30	
1,1,2-Trichloroethane	55.8		"	50.0		112	83-123		3.21	30	
1,1-Dichloroethane	55.6		"	50.0		111	75-130		3.80	30	
1,1-Dichloroethylene	49.8		"	50.0		99.6	64-137		3.87	30	
1,2,3-Trichlorobenzene	58.0		"	50.0		116	81-140		3.47	30	
1,2,3-Trichloropropane	58.2		"	50.0		116	81-126		3.80	30	
1,2,4-Trichlorobenzene	57.1		"	50.0		114	80-141		2.05	30	
1,2,4-Trimethylbenzene	55.2		"	50.0		110	84-125		2.22	30	
1,2-Dibromo-3-chloropropane	65.0		"	50.0		130	74-142		3.08	30	
1,2-Dibromoethane	58.7		"	50.0		117	86-123		3.45	30	
1,2-Dichlorobenzene	55.9		"	50.0		112	85-122		1.75	30	
1,2-Dichloroethane	60.0		"	50.0		120	71-133		5.92	30	
1,2-Dichloropropane	51.8		"	50.0		104	81-122		3.94	30	
1,3,5-Trimethylbenzene	55.4		"	50.0		111	82-126		2.04	30	
1,3-Dichlorobenzene	55.9		"	50.0		112	84-124		2.77	30	
1,4-Dichlorobenzene	56.8		"	50.0		114	84-124		2.86	30	
1,4-Dioxane	1070		"	1050		102	10-228		0.188	30	
2-Butanone	56.9		"	50.0		114	58-147		6.03	30	
2-Hexanone	54.4		"	50.0		109	70-139		6.37	30	
4-Methyl-2-pentanone	52.3		"	50.0		105	72-132		5.86	30	
Acetone	59.3		"	50.0		119	36-155		7.14	30	
Acrolein	16.0		"	50.0		32.0	10-238		9.70	30	
Acrylonitrile	53.0		"	50.0		106	66-141		4.83	30	
Benzene	54.7		"	50.0		109	77-127		3.06	30	
Bromochloromethane	53.2		"	50.0		106	74-129		5.07	30	
Bromodichloromethane	61.2		"	50.0		122	81-124		2.53	30	
Bromoform	59.5		"	50.0		119	80-136		2.24	30	
Bromomethane	59.4		"	50.0		119	32-177		3.18	30	
Carbon disulfide	64.6		"	50.0		129	10-136		4.50	30	
Carbon tetrachloride	61.2		"	50.0		122	66-143		3.83	30	
Chlorobenzene	54.4		"	50.0		109	86-120		2.23	30	
Chloroethane	56.6		"	50.0		113	51-142		2.56	30	
Chloroform	59.8		"	50.0		120	76-131		3.61	30	
Chloromethane	47.0		"	50.0		94.1	49-132		0.361	30	
cis-1,2-Dichloroethylene	56.8		"	50.0		114	74-132		5.83	30	
cis-1,3-Dichloropropylene	58.6		"	50.0		117	81-129		5.14	30	
Cyclohexane	50.5		"	50.0		101	70-130		3.71	30	
Dibromochloromethane	58.2		"	50.0		116	10-200		4.04	30	
Dibromomethane	56.0		"	50.0		112	83-124		2.90	30	
Dichlorodifluoromethane	43.9		"	50.0		87.9	28-158		5.50	30	
Ethyl Benzene	53.7		"	50.0		107	84-125		2.13	30	
Hexachlorobutadiene	59.6		"	50.0		119	83-133		0.842	30	
Isopropylbenzene	56.0		"	50.0		112	81-127		2.77	30	
Methyl acetate	50.5		"	50.0		101	41-143		8.22	30	
Methyl tert-butyl ether (MTBE)	58.6		"	50.0		117	74-131		4.56	30	
Methylcyclohexane	51.6		"	50.0		103	70-130		3.05	30	
Methylene chloride	52.0		"	50.0		104	57-141		3.17	30	
n-Butylbenzene	60.4		"	50.0		121	80-130		1.54	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG10083 - EPA 5035A

LCS Dup (BG10083-BSD1)	LCS Dup	Prepared & Analyzed: 07/01/2021									
n-Propylbenzene	54.0		ug/L	50.0		108	74-136		3.03	30	
o-Xylene	54.1		"	50.0		108	83-123		1.57	30	
p- & m- Xylenes	109		"	100		109	82-128		1.95	30	
p-Isopropyltoluene	55.6		"	50.0		111	85-125		1.43	30	
sec-Butylbenzene	55.4		"	50.0		111	83-125		2.63	30	
Styrene	55.0		"	50.0		110	86-126		3.23	30	
tert-Butyl alcohol (TBA)	60.8		"	250		24.3	70-130	Low Bias	5.14	30	
tert-Butylbenzene	57.1		"	50.0		114	80-127		2.75	30	
Tetrachloroethylene	58.3		"	50.0		117	80-129		3.35	30	
Toluene	52.9		"	50.0		106	85-121		2.82	30	
trans-1,2-Dichloroethylene	55.0		"	50.0		110	72-132		3.52	30	
trans-1,3-Dichloropropylene	54.5		"	50.0		109	78-132		4.08	30	
Trichloroethylene	55.4		"	50.0		111	84-123		0.762	30	
Trichlorofluoromethane	54.1		"	50.0		108	62-140		2.75	30	
Vinyl Chloride	52.6		"	50.0		105	52-130		5.35	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	52.7		"	50.0		105	77-125				
Surrogate: SURR: Toluene-d8	48.5		"	50.0		97.0	85-120				
Surrogate: SURR: p-Bromofluorobenzene	50.2		"	50.0		100	76-130				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BF11663 - EPA 3546 SVOA

Blank (BF11663-BLK1)	Blank	Prepared: 06/30/2021 Analyzed: 07/01/2021									
1,1-Biphenyl	ND	0.0416	mg/kg wet								
1,2,4,5-Tetrachlorobenzene	ND	0.0830	"								
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.0416	"								
2,3,4,6-Tetrachlorophenol	ND	0.0830	"								
2,4,5-Trichlorophenol	ND	0.0416	"								
2,4,6-Trichlorophenol	ND	0.0416	"								
2,4-Dichlorophenol	ND	0.0416	"								
2,4-Dimethylphenol	ND	0.0416	"								
2,4-Dinitrophenol	ND	0.0830	"								
2,4-Dinitrotoluene	ND	0.0416	"								
2,6-Dinitrotoluene	ND	0.0416	"								
2-Chloronaphthalene	ND	0.0416	"								
2-Chlorophenol	ND	0.0416	"								
2-Methylnaphthalene	ND	0.0416	"								
2-Methylphenol	ND	0.0416	"								
2-Nitroaniline	ND	0.0830	"								
2-Nitrophenol	ND	0.0416	"								
3- & 4-Methylphenols	ND	0.0416	"								
3,3-Dichlorobenzidine	ND	0.0416	"								
3-Nitroaniline	ND	0.0830	"								
4,6-Dinitro-2-methylphenol	ND	0.0830	"								
4-Bromophenyl phenyl ether	ND	0.0416	"								
4-Chloro-3-methylphenol	ND	0.0416	"								
4-Chloroaniline	ND	0.0416	"								
4-Chlorophenyl phenyl ether	ND	0.0416	"								
4-Nitroaniline	ND	0.0830	"								
4-Nitrophenol	ND	0.0830	"								
Acenaphthene	ND	0.0416	"								
Acenaphthylene	ND	0.0416	"								
Acetophenone	ND	0.0416	"								
Aniline	ND	0.166	"								
Anthracene	ND	0.0416	"								
Atrazine	ND	0.0416	"								
Benzaldehyde	ND	0.0416	"								
Benzidine	ND	0.166	"								
Benzo(a)anthracene	ND	0.0416	"								
Benzo(a)pyrene	ND	0.0416	"								
Benzo(b)fluoranthene	ND	0.0416	"								
Benzo(g,h,i)perylene	ND	0.0416	"								
Benzo(k)fluoranthene	ND	0.0416	"								
Benzoic acid	ND	0.0416	"								
Benzyl alcohol	ND	0.0416	"								
Benzyl butyl phthalate	ND	0.0416	"								
Bis(2-chloroethoxy)methane	ND	0.0416	"								
Bis(2-chloroethyl)ether	ND	0.0416	"								
Bis(2-chloroisopropyl)ether	ND	0.0416	"								
Bis(2-ethylhexyl)phthalate	ND	0.0416	"								
Caprolactam	ND	0.0830	"								
Carbazole	ND	0.0416	"								
Chrysene	ND	0.0416	"								
Dibenzo(a,h)anthracene	ND	0.0416	"								



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BF11663 - EPA 3546 SVOA

Blank (BF11663-BLK1)	Blank	Prepared: 06/30/2021 Analyzed: 07/01/2021									
Dibenzofuran	ND	0.0416	mg/kg wet								
Diethyl phthalate	ND	0.0416	"								
Dimethyl phthalate	ND	0.0416	"								
Di-n-butyl phthalate	ND	0.0416	"								
Di-n-octyl phthalate	ND	0.0416	"								
Diphenylamine	ND	0.0830	"								
Fluoranthene	ND	0.0416	"								
Fluorene	ND	0.0416	"								
Hexachlorobenzene	ND	0.0416	"								
Hexachlorobutadiene	ND	0.0416	"								
Hexachlorocyclopentadiene	ND	0.0416	"								
Hexachloroethane	ND	0.0416	"								
Indeno(1,2,3-cd)pyrene	ND	0.0416	"								
Isophorone	ND	0.0416	"								
Naphthalene	ND	0.0416	"								
Nitrobenzene	ND	0.0416	"								
N-Nitrosodimethylamine	ND	0.0416	"								
N-nitroso-di-n-propylamine	ND	0.0416	"								
N-Nitrosodiphenylamine	ND	0.0416	"								
Pentachlorophenol	ND	0.0416	"								
Phenanthrene	ND	0.0416	"								
Phenol	ND	0.0416	"								
Pyrene	ND	0.0416	"								
Pyridine	ND	0.166	"								
Surrogate: SURR: 2-Fluorophenol	1.35		"	1.66		81.3	20-108				
Surrogate: SURR: Phenol-d5	1.28		"	1.66		77.3	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.766		"	0.831		92.2	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.730		"	0.831		87.9	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	1.85		"	1.66		111	19-110				
Surrogate: SURR: Terphenyl-d14	1.00		"	0.831		121	24-116				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BF11663 - EPA 3546 SVOA

LCS (BF11663-BS1)	LCS	Prepared: 06/30/2021 Analyzed: 07/01/2021									
1,1-Biphenyl	0.532	0.0416	mg/kg wet	0.831		64.0	18-111				
1,2,4,5-Tetrachlorobenzene	0.591	0.0830	"	0.831		71.1	21-131				
1,2-Diphenylhydrazine (as Azobenzene)	0.516	0.0416	"	0.831		62.2	17-137				
2,3,4,6-Tetrachlorophenol	0.672	0.0830	"	0.831		80.9	30-130				
2,4,5-Trichlorophenol	0.606	0.0416	"	0.831		73.0	27-118				
2,4,6-Trichlorophenol	0.637	0.0416	"	0.831		76.7	31-120				
2,4-Dichlorophenol	0.604	0.0416	"	0.831		72.7	20-127				
2,4-Dimethylphenol	0.561	0.0416	"	0.831		67.5	14-132				
2,4-Dinitrophenol	0.671	0.0830	"	0.831		80.8	10-171				
2,4-Dinitrotoluene	0.757	0.0416	"	0.831		91.2	34-131				
2,6-Dinitrotoluene	0.711	0.0416	"	0.831		85.6	31-128				
2-Chloronaphthalene	0.514	0.0416	"	0.831		61.8	31-117				
2-Chlorophenol	0.504	0.0416	"	0.831		60.6	33-113				
2-Methylnaphthalene	0.607	0.0416	"	0.831		73.0	12-138				
2-Methylphenol	0.511	0.0416	"	0.831		61.6	10-136				
2-Nitroaniline	0.658	0.0830	"	0.831		79.2	27-132				
2-Nitrophenol	0.672	0.0416	"	0.831		81.0	17-129				
3- & 4-Methylphenols	0.464	0.0416	"	0.831		55.8	29-103				
3,3-Dichlorobenzidine	0.591	0.0416	"	0.831		71.1	22-149				
3-Nitroaniline	0.658	0.0830	"	0.831		79.2	20-133				
4,6-Dinitro-2-methylphenol	0.781	0.0830	"	0.831		94.0	10-143				
4-Bromophenyl phenyl ether	0.578	0.0416	"	0.831		69.6	29-120				
4-Chloro-3-methylphenol	0.603	0.0416	"	0.831		72.6	24-129				
4-Chloroaniline	0.481	0.0416	"	0.831		57.9	10-132				
4-Chlorophenyl phenyl ether	0.549	0.0416	"	0.831		66.1	27-124				
4-Nitroaniline	0.645	0.0830	"	0.831		77.6	16-128				
4-Nitrophenol	0.596	0.0830	"	0.831		71.8	10-141				
Acenaphthene	0.526	0.0416	"	0.831		63.3	30-121				
Acenaphthylene	0.528	0.0416	"	0.831		63.6	30-115				
Acetophenone	0.525	0.0416	"	0.831		63.2	20-112				
Aniline	0.430	0.166	"	0.831		51.7	10-119				
Anthracene	0.611	0.0416	"	0.831		73.6	34-118				
Atrazine	0.703	0.0416	"	0.831		84.6	26-112				
Benzaldehyde	0.496	0.0416	"	0.831		59.7	21-100				
Benzo(a)anthracene	0.649	0.0416	"	0.831		78.1	32-122				
Benzo(a)pyrene	0.688	0.0416	"	0.831		82.9	29-133				
Benzo(b)fluoranthene	0.669	0.0416	"	0.831		80.5	25-133				
Benzo(g,h,i)perylene	0.697	0.0416	"	0.831		83.9	10-143				
Benzo(k)fluoranthene	0.642	0.0416	"	0.831		77.3	25-128				
Benzoic acid	0.472	0.0416	"	0.831		56.8	10-140				
Benzyl alcohol	0.575	0.0416	"	0.831		69.2	30-115				
Benzyl butyl phthalate	0.641	0.0416	"	0.831		77.2	26-126				
Bis(2-chloroethoxy)methane	0.482	0.0416	"	0.831		58.1	19-132				
Bis(2-chloroethyl)ether	0.469	0.0416	"	0.831		56.4	19-125				
Bis(2-chloroisopropyl)ether	0.391	0.0416	"	0.831		47.1	20-135				
Bis(2-ethylhexyl)phthalate	0.656	0.0416	"	0.831		79.0	10-155				
Caprolactam	0.622	0.0830	"	0.831		74.8	10-127				
Carbazole	0.634	0.0416	"	0.831		76.3	35-123				
Chrysene	0.680	0.0416	"	0.831		81.9	32-123				
Dibenzo(a,h)anthracene	0.669	0.0416	"	0.831		80.6	10-136				
Dibenzofuran	0.566	0.0416	"	0.831		68.1	29-121				



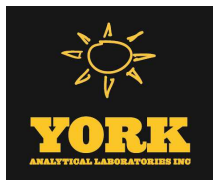
Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BF11663 - EPA 3546 SVOA

LCS (BF11663-BS1)	LCS	Prepared: 06/30/2021 Analyzed: 07/01/2021									
Diethyl phthalate	0.566	0.0416	mg/kg wet	0.831		68.1	34-116				
Dimethyl phthalate	0.558	0.0416	"	0.831		67.2	35-124				
Di-n-butyl phthalate	0.590	0.0416	"	0.831		71.0	31-116				
Di-n-octyl phthalate	0.715	0.0416	"	0.831		86.0	26-136				
Diphenylamine	0.729	0.0830	"	0.831		87.8	40-140				
Fluoranthene	0.634	0.0416	"	0.831		76.4	33-122				
Fluorene	0.583	0.0416	"	0.831		70.2	29-123				
Hexachlorobenzene	0.585	0.0416	"	0.831		70.4	21-124				
Hexachlorobutadiene	0.622	0.0416	"	0.831		74.9	10-149				
Hexachlorocyclopentadiene	0.552	0.0416	"	0.831		66.4	10-129				
Hexachloroethane	0.538	0.0416	"	0.831		64.7	28-108				
Indeno(1,2,3-cd)pyrene	0.698	0.0416	"	0.831		84.0	10-135				
Isophorone	0.491	0.0416	"	0.831		59.1	20-132				
Naphthalene	0.560	0.0416	"	0.831		67.4	23-124				
Nitrobenzene	0.521	0.0416	"	0.831		62.7	13-132				
N-Nitrosodimethylamine	0.407	0.0416	"	0.831		49.0	11-129				
N-nitroso-di-n-propylamine	0.435	0.0416	"	0.831		52.4	24-119				
N-Nitrosodiphenylamine	0.679	0.0416	"	0.831		81.7	22-152				
Pentachlorophenol	0.453	0.0416	"	0.831		54.6	10-139				
Phenanthrene	0.609	0.0416	"	0.831		73.3	33-123				
Phenol	0.508	0.0416	"	0.831		61.1	23-115				
Pyrene	0.633	0.0416	"	0.831		76.2	24-130				
Pyridine	0.240	0.166	"	0.831		28.9	10-91				
Surrogate: SURR: 2-Fluorophenol	1.17		"	1.66		70.2	20-108				
Surrogate: SURR: Phenol-d5	1.10		"	1.66		66.5	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.624		"	0.831		75.1	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.620		"	0.831		74.7	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	1.76		"	1.66		106	19-110				
Surrogate: SURR: Terphenyl-d14	0.954		"	0.831		115	24-116				



Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BF11642 - EPA 3550C

Blank (BF11642-BLK1)	Blank		Prepared: 06/30/2021 Analyzed: 07/01/2021								
4,4'-DDD	ND	0.00164	mg/kg wet								
4,4'-DDE	ND	0.00164	"								
4,4'-DDT	ND	0.00164	"								
Aldrin	ND	0.00164	"								
alpha-BHC	ND	0.00164	"								
alpha-Chlordane	ND	0.00164	"								
beta-BHC	ND	0.00164	"								
Chlordane, total	ND	0.0329	"								
delta-BHC	ND	0.00164	"								
Dieldrin	ND	0.00164	"								
Endosulfan I	ND	0.00164	"								
Endosulfan II	ND	0.00164	"								
Endosulfan sulfate	ND	0.00164	"								
Endrin	ND	0.00164	"								
Endrin aldehyde	ND	0.00164	"								
Endrin ketone	ND	0.00164	"								
gamma-BHC (Lindane)	ND	0.00164	"								
gamma-Chlordane	ND	0.00164	"								
Heptachlor	ND	0.00164	"								
Heptachlor epoxide	ND	0.00164	"								
Methoxychlor	ND	0.00822	"								
Toxaphene	ND	0.0832	"								
Surrogate: Decachlorobiphenyl	0.0531		"	0.0664		79.9	30-150				
Surrogate: Tetrachloro-m-xylene	0.0603		"	0.0664		90.8	30-150				

LCS (BF11642-BS1)	LCS		Prepared: 06/30/2021 Analyzed: 07/01/2021								
4,4'-DDD	0.0295	0.00164	mg/kg wet	0.0332		88.8	40-140				
4,4'-DDE	0.0162	0.00164	"	0.0332		48.9	40-140				
4,4'-DDT	0.0185	0.00164	"	0.0332		55.6	40-140				
Aldrin	0.0352	0.00164	"	0.0332		106	40-140				
alpha-BHC	0.0320	0.00164	"	0.0332		96.2	40-140				
alpha-Chlordane	0.0340	0.00164	"	0.0332		102	40-140				
beta-BHC	0.0317	0.00164	"	0.0332		95.5	40-140				
delta-BHC	0.0285	0.00164	"	0.0332		85.8	40-140				
Dieldrin	0.0348	0.00164	"	0.0332		105	40-140				
Endosulfan I	0.0459	0.00164	"	0.0332		138	40-140				
Endosulfan II	0.0349	0.00164	"	0.0332		105	40-140				
Endosulfan sulfate	0.0291	0.00164	"	0.0332		87.7	40-140				
Endrin	0.0197	0.00164	"	0.0332		59.2	40-140				
Endrin aldehyde	0.0319	0.00164	"	0.0332		96.0	40-140				
Endrin ketone	0.0318	0.00164	"	0.0332		95.7	40-140				
gamma-BHC (Lindane)	0.0302	0.00164	"	0.0332		90.9	40-140				
gamma-Chlordane	0.0340	0.00164	"	0.0332		102	40-140				
Heptachlor	0.0307	0.00164	"	0.0332		92.4	40-140				
Heptachlor epoxide	0.0345	0.00164	"	0.0332		104	40-140				
Methoxychlor	0.0135	0.00822	"	0.0332		40.5	40-140				
Surrogate: Decachlorobiphenyl	0.0564		"	0.0664		84.9	30-150				
Surrogate: Tetrachloro-m-xylene	0.0633		"	0.0664		95.3	30-150				



Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BF11642 - EPA 3550C

Matrix Spike (BF11642-MS1)	Matrix Spike	*Source sample: 21F1361-05 (Matrix Spike)						Prepared: 06/30/2021 Analyzed: 07/06/2021			
4,4'-DDD	0.0269	0.00172	mg/kg dry	0.0347	ND	77.6	30-150				
4,4'-DDE	0.0382	0.00172	"	0.0347	ND	110	30-150				
4,4'-DDT	0.0155	0.00172	"	0.0347	ND	44.7	30-150				
Aldrin	0.0284	0.00172	"	0.0347	ND	81.9	30-150				
alpha-BHC	0.0268	0.00172	"	0.0347	ND	77.3	30-150				
alpha-Chlordane	0.0292	0.00172	"	0.0347	ND	84.3	30-150				
beta-BHC	0.0295	0.00172	"	0.0347	ND	85.2	30-150				
delta-BHC	0.0274	0.00172	"	0.0347	ND	79.1	30-150				
Dieldrin	0.0343	0.00172	"	0.0347	ND	98.9	30-150				
Endosulfan I	0.0390	0.00172	"	0.0347	ND	113	30-150				
Endosulfan II	0.0313	0.00172	"	0.0347	ND	90.2	30-150				
Endosulfan sulfate	0.0280	0.00172	"	0.0347	ND	80.8	30-150				
Endrin	0.0250	0.00172	"	0.0347	ND	72.2	30-150				
Endrin aldehyde	0.0307	0.00172	"	0.0347	ND	88.6	30-150				
Endrin ketone	0.0320	0.00172	"	0.0347	ND	92.1	30-150				
gamma-BHC (Lindane)	0.0281	0.00172	"	0.0347	ND	81.1	30-150				
gamma-Chlordane	0.0287	0.00172	"	0.0347	ND	82.8	30-150				
Heptachlor	0.0309	0.00172	"	0.0347	ND	89.2	30-150				
Heptachlor epoxide	0.0314	0.00172	"	0.0347	ND	90.5	30-150				
Methoxychlor	0.0158	0.00858	"	0.0347	ND	45.6	30-150				
Surrogate: Decachlorobiphenyl	0.0542		"	0.0694		78.2	30-150				
Surrogate: Tetrachloro-m-xylene	0.0557		"	0.0694		80.3	30-150				

Matrix Spike Dup (BF11642-MS1)	Matrix Spike Dup	*Source sample: 21F1361-05 (Matrix Spike Dup)						Prepared: 06/30/2021 Analyzed: 07/06/2021			
4,4'-DDD	0.0277	0.00172	mg/kg dry	0.0347	ND	79.8	30-150	2.78	30		
4,4'-DDE	0.0169	0.00172	"	0.0347	ND	48.9	30-150	77.1	30	Non-dir.	
4,4'-DDT	0.0153	0.00172	"	0.0347	ND	44.1	30-150	1.36	30		
Aldrin	0.0283	0.00172	"	0.0347	ND	81.6	30-150	0.343	30		
alpha-BHC	0.0272	0.00172	"	0.0347	ND	78.4	30-150	1.42	30		
alpha-Chlordane	0.0291	0.00172	"	0.0347	ND	84.0	30-150	0.362	30		
beta-BHC	0.0295	0.00172	"	0.0347	ND	85.1	30-150	0.0822	30		
delta-BHC	0.0278	0.00172	"	0.0347	ND	80.0	30-150	1.23	30		
Dieldrin	0.0341	0.00172	"	0.0347	ND	98.2	30-150	0.705	30		
Endosulfan I	0.0382	0.00172	"	0.0347	ND	110	30-150	2.20	30		
Endosulfan II	0.0314	0.00172	"	0.0347	ND	90.5	30-150	0.288	30		
Endosulfan sulfate	0.0286	0.00172	"	0.0347	ND	82.6	30-150	2.16	30		
Endrin	0.0254	0.00172	"	0.0347	ND	73.2	30-150	1.38	30		
Endrin aldehyde	0.0305	0.00172	"	0.0347	ND	87.8	30-150	0.861	30		
Endrin ketone	0.0323	0.00172	"	0.0347	ND	93.0	30-150	0.961	30		
gamma-BHC (Lindane)	0.0284	0.00172	"	0.0347	ND	81.8	30-150	0.792	30		
gamma-Chlordane	0.0285	0.00172	"	0.0347	ND	82.3	30-150	0.672	30		
Heptachlor	0.0314	0.00172	"	0.0347	ND	90.6	30-150	1.66	30		
Heptachlor epoxide	0.0312	0.00172	"	0.0347	ND	89.9	30-150	0.688	30		
Methoxychlor	0.0149	0.00858	"	0.0347	ND	42.9	30-150	6.04	30		
Surrogate: Decachlorobiphenyl	0.0535		"	0.0694		77.1	30-150				
Surrogate: Tetrachloro-m-xylene	0.0563		"	0.0694		81.2	30-150				



Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch Y1D0212 - BC11630

Performance Mix (Y1D0212-F Performance Mix						Prepared & Analyzed: 04/01/2021					
4,4'-DDD	10.7		ng/mL	0.00			0-200				
4,4'-DDE	0.811		"	0.00			0-200				
4,4'-DDT	247		"	200		123	0-200				
Endrin	129		"	100		129	0-200				
Endrin aldehyde	0.667		"	0.00			0-200				
Endrin ketone	2.54		"	0.00			0-200				

Batch Y1G0213 - BE10937

Performance Mix (Y1G0213-F Performance Mix						Prepared & Analyzed: 07/01/2021					
4,4'-DDD	24.2		ng/mL	0.00			0-200				
4,4'-DDE	0.864		"	0.00			0-200				
4,4'-DDT	171		"	200		85.6	0-200				
Endrin	95.3		"	100		95.3	0-200				
Endrin aldehyde	4.48		"	0.00			0-200				
Endrin ketone	16.4		"	0.00			0-200				

Batch Y1G0613 - BE10937

Performance Mix (Y1G0613-F Performance Mix						Prepared & Analyzed: 07/02/2021					
4,4'-DDD	12.5		ng/mL	0.00			0-200				
4,4'-DDE	1.50		"	0.00			0-200				
4,4'-DDT	176		"	200		88.0	0-200				
Endrin	101		"	100		101	0-200				
Endrin aldehyde	0.933		"	0.00			0-200				
Endrin ketone	5.65		"	0.00			0-200				



Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch Y1G0719 - BE10937

Performance Mix (Y1G0719-F Performance Mix

Prepared & Analyzed: 07/06/2021

4,4'-DDD	12.2		ng/mL	0.00			0-200				
4,4'-DDE	1.74		"	0.00			0-200				
4,4'-DDT	189		"	200		94.7	0-200				
Endrin	117		"	100		117	0-200				
Endrin aldehyde	1.25		"	0.00			0-200				
Endrin ketone	5.03		"	0.00			0-200				



Polychlorinated Biphenyls by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BF11642 - EPA 3550C											
Blank (BF11642-BLK2)	Blank							Prepared: 06/30/2021 Analyzed: 07/01/2021			
Aroclor 1016	ND	0.0166	mg/kg wet								
Aroclor 1221	ND	0.0166	"								
Aroclor 1232	ND	0.0166	"								
Aroclor 1242	ND	0.0166	"								
Aroclor 1248	ND	0.0166	"								
Aroclor 1254	ND	0.0166	"								
Aroclor 1260	ND	0.0166	"								
Total PCBs	ND	0.0166	"								
Surrogate: Tetrachloro-m-xylene	0.0684		"	0.0664		103	30-140				
Surrogate: Decachlorobiphenyl	0.0488		"	0.0664		73.5	30-140				
LCS (BF11642-BS2)	LCS							Prepared: 06/30/2021 Analyzed: 07/01/2021			
Aroclor 1016	0.369	0.0166	mg/kg wet	0.332		111	40-130				
Aroclor 1260	0.347	0.0166	"	0.332		104	40-130				
Surrogate: Tetrachloro-m-xylene	0.0631		"	0.0664		95.0	30-140				
Surrogate: Decachlorobiphenyl	0.0475		"	0.0664		71.5	30-140				
Matrix Spike (BF11642-MS2)	Matrix Spike	*Source sample: 21F1361-05 (Matrix Spike)						Prepared: 06/30/2021 Analyzed: 07/01/2021			
Aroclor 1016	0.357	0.0173	mg/kg dry	0.347	ND	103	40-140				
Aroclor 1260	0.313	0.0173	"	0.347	ND	90.3	40-140				
Surrogate: Tetrachloro-m-xylene	0.0635		"	0.0694		91.5	30-140				
Surrogate: Decachlorobiphenyl	0.0451		"	0.0694		65.0	30-140				
Matrix Spike Dup (BF11642-MS2)	Matrix Spike Dup	*Source sample: 21F1361-05 (Matrix Spike Dup)						Prepared: 06/30/2021 Analyzed: 07/01/2021			
Aroclor 1016	0.364	0.0173	mg/kg dry	0.347	ND	105	40-140		2.04	50	
Aroclor 1260	0.320	0.0173	"	0.347	ND	92.2	40-140		2.08	50	
Surrogate: Tetrachloro-m-xylene	0.0645		"	0.0694		93.0	30-140				
Surrogate: Decachlorobiphenyl	0.0454		"	0.0694		65.5	30-140				



Polychlorinated Biphenyls by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch Y1G0224 - BF11497

Aroclor Reference (Y1G0224- Aroclor Reference

Prepared & Analyzed: 07/01/2021

Surrogate: Tetrachloro-m-xylene	0.217		ug/mL	0.200		108					
Surrogate: Decachlorobiphenyl	0.180		"	0.200		90.0					



Chlorinated Herbicides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG10013 - EPA 3550C/8151A

Blank (BG10013-BLK1)	Blank		Prepared & Analyzed: 07/01/2021								
2,4,5-T	ND	0.0199	mg/kg wet								
2,4,5-TP (Silvex)	ND	0.0199	"								
2,4-D	ND	0.0199	"								
<i>Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)</i>	<i>0.415</i>		<i>"</i>	<i>0.415</i>		<i>100</i>	<i>21-150</i>				
LCS (BG10013-BS1)	LCS		Prepared & Analyzed: 07/01/2021								
2,4,5-T	0.0922	0.0199	mg/kg wet	0.133		69.4	10-120				
2,4,5-TP (Silvex)	0.101	0.0199	"	0.133		76.2	10-120				
2,4-D	0.0930	0.0199	"	0.133		70.0	10-118				
<i>Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)</i>	<i>0.355</i>		<i>"</i>	<i>0.415</i>		<i>85.6</i>	<i>21-150</i>				



Metals by ICP - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG10093 - EPA 3050B

Blank (BG10093-BLK1)	Blank										Prepared: 07/02/2021 Analyzed: 07/06/2021	
Aluminum	ND	5.00	mg/kg wet									
Antimony	ND	2.50	"									
Arsenic	ND	1.50	"									
Barium	ND	2.50	"									
Beryllium	ND	0.050	"									
Cadmium	ND	0.300	"									
Calcium	ND	5.00	"									
Chromium	ND	0.500	"									
Cobalt	ND	0.400	"									
Copper	ND	2.00	"									
Iron	ND	25.0	"									
Lead	ND	0.500	"									
Magnesium	ND	5.00	"									
Manganese	ND	0.500	"									
Nickel	ND	1.00	"									
Potassium	ND	5.00	"									
Selenium	ND	2.50	"									
Silver	ND	0.500	"									
Sodium	ND	50.0	"									
Thallium	ND	2.50	"									
Vanadium	ND	1.00	"									
Zinc	ND	2.50	"									

Duplicate (BG10093-DUP1)	Duplicate	*Source sample: 21F1479-20 (Duplicate)				Prepared: 07/02/2021 Analyzed: 07/07/2021			
Aluminum		3010	50.0	mg/kg dry	2980		0.959	35	
Antimony		ND	25.0	"	ND			35	
Arsenic		ND	15.0	"	ND			35	
Barium		183	25.0	"	82.9		75.2	35	Non-dir.
Beryllium		ND	0.500	"	ND			35	
Cadmium		13.9	3.00	"	8.35		50.0	35	Non-dir.
Calcium		99100	50.0	"	114000		13.9	35	
Chromium		41.7	5.00	"	38.3		8.58	35	
Cobalt		162	4.00	"	11.4		174	35	Non-dir.
Copper		217	20.0	"	258		17.2	35	
Iron		14600	250	"	22000		40.7	35	Non-dir.
Lead		872	5.00	"	294		99.3	35	Non-dir.
Magnesium		1820	50.0	"	2220		19.5	35	
Manganese		173	5.00	"	262		41.2	35	Non-dir.
Nickel		22.4	10.0	"	19.7		13.1	35	
Potassium		921	50.0	"	817		12.0	35	
Selenium		ND	25.0	"	ND			35	
Silver		ND	5.00	"	ND			35	
Sodium		1600	500	"	1300		20.6	35	
Thallium		ND	25.0	"	ND			35	
Vanadium		ND	10.0	"	ND			35	
Zinc		933	25.0	"	810		14.1	35	



Metals by ICP - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG10093 - EPA 3050B

Matrix Spike (BG10093-MS1)		Matrix Spike	*Source sample: 21F1479-20 (Matrix Spike)					Prepared: 07/02/2021 Analyzed: 07/07/2021			
Aluminum		6840	50.0	mg/kg dry	2000	2980	193	75-125	High Bias		
Antimony		115	25.0	"	250	ND	46.0	75-125	Low Bias		
Arsenic		1950	15.0	"	2000	ND	97.4	75-125			
Barium		2330	25.0	"	2000	82.9	112	75-125			
Beryllium		46.9	0.500	"	50.0	ND	93.7	75-125			
Cadmium		76.6	3.00	"	50.0	8.35	136	75-125	High Bias		
Calcium		164000	50.0	"	1000	114000	NR	75-125	High Bias		
Chromium		244	5.00	"	200	38.3	103	75-125			
Cobalt		805	4.00	"	500	11.4	159	75-125	High Bias		
Copper		674	20.0	"	250	258	167	75-125	High Bias		
Iron		24700	250	"	1000	22000	264	75-125	High Bias		
Lead		2000	5.00	"	500	294	341	75-125	High Bias		
Magnesium		3990	50.0	"	1000	2220	178	75-125	High Bias		
Manganese		816	5.00	"	500	262	111	75-125			
Nickel		552	10.0	"	500	19.7	106	75-125			
Potassium		2510	50.0	"	1000	817	170	75-125	High Bias		
Selenium		1680	25.0	"	2000	ND	84.2	75-125			
Silver		49.0	5.00	"	50.0	ND	97.9	75-125			
Sodium		3700	500	"	1000	1300	239	75-125	High Bias		
Thallium		1920	25.0	"	2000	ND	96.2	75-125			
Vanadium		502	10.0	"	500	ND	100	75-125			
Zinc		2210	25.0	"	500	810	280	75-125	High Bias		

Post Spike (BG10093-PS1)		Post Spike	*Source sample: 21F1479-20 (Post Spike)					Prepared: 07/02/2021 Analyzed: 07/06/2021			
Aluminum		5.30		ug/mL	2.00	2.98	116	75-125			
Antimony		0.287		"	0.250	0.002	114	75-125			
Arsenic		2.20		"	2.00	-0.010	110	75-125			
Barium		2.36		"	2.00	0.083	114	75-125			
Beryllium		0.053		"	0.0500	-0.003	105	75-125			
Cadmium		0.063		"	0.0500	0.008	110	75-125			
Calcium		117		"	1.00	114	274	75-125	High Bias		
Chromium		0.254		"	0.200	0.038	108	75-125			
Cobalt		0.581		"	0.500	0.011	114	75-125			
Copper		0.551		"	0.250	0.258	117	75-125			
Iron		23.5		"	1.00	22.0	141	75-125	High Bias		
Lead		0.870		"	0.500	0.294	115	75-125			
Magnesium		3.35		"	1.00	2.22	113	75-125			
Manganese		0.847		"	0.500	0.262	117	75-125			
Nickel		0.581		"	0.500	0.020	112	75-125			
Potassium		2.01		"	1.00	0.817	120	75-125			
Selenium		1.91		"	2.00	-0.040	95.3	75-125			
Silver		0.041		"	0.0500	-0.004	82.5	75-125			
Sodium		2.35		"	1.00	1.30	104	75-125			
Thallium		2.21		"	2.00	-0.012	110	75-125			
Vanadium		0.571		"	0.500	0.006	113	75-125			
Zinc		1.37		"	0.500	0.810	111	75-125			



Metals by ICP - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG10093 - EPA 3050B

Reference (BG10093-SRM1)	Reference	Prepared: 07/02/2021 Analyzed: 07/06/2021									
Aluminum	8190	5.00	mg/kg wet	8190		100	50.5-150.1				
Antimony	57.8	2.50	"	110		52.5	19-251.7				
Arsenic	162	1.50	"	162		99.8	70.1-129.8				
Barium	141	2.50	"	138		102	75-125				
Beryllium	158	0.050	"	157		100	75-125.2				
Cadmium	136	0.300	"	135		101	74.8-125.2				
Calcium	4570	5.00	"	4790		95.5	72.7-127.5				
Chromium	108	0.500	"	117		92.2	70.1-129.9				
Cobalt	98.3	0.400	"	92.6		106	75-125				
Copper	139	2.00	"	143		97.1	75.3-125.3				
Iron	13100	25.0	"	15100		86.5	35.8-164.6				
Lead	70.4	0.500	"	77.6		90.8	70-130				
Magnesium	2250	5.00	"	2320		97.0	61.7-137.8				
Manganese	326	0.500	"	319		102	78.1-122				
Nickel	89.6	1.00	"	79.9		112	70.1-130.1				
Potassium	1930	5.00	"	2050		94.1	59.1-140.9				
Selenium	146	2.50	"	172		84.8	55.7-144.5				
Silver	21.1	0.500	"	24.7		85.5	69.2-130.8				
Sodium	138	50.0	"	137		101	36.1-163.3				
Thallium	83.8	2.50	"	88.0		95.2	65.3-146.8				
Vanadium	88.9	1.00	"	99.9		89.0	67-133.1				
Zinc	298	2.50	"	312		95.4	69.9-130.1				



Mercury by EPA 7000/200 Series Methods - Quality Control Data

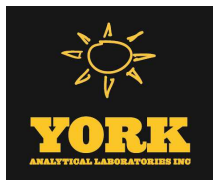
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG10175 - EPA 7473 soil											
Blank (BG10175-BLK1)	Blank								Prepared & Analyzed: 07/06/2021		
Mercury	ND	0.0300	mg/kg wet								
Duplicate (BG10175-DUP1)	Duplicate	*Source sample: 21F0879-03 (Duplicate)							Prepared & Analyzed: 07/06/2021		
Mercury	0.974	0.0352	mg/kg dry		0.707				31.8	35	
Matrix Spike (BG10175-MS1)	Matrix Spike	*Source sample: 21F0879-03 (Matrix Spike)							Prepared & Analyzed: 07/06/2021		
Mercury	1.18		mg/kg	0.500	0.603	116	75-125				
Reference (BG10175-SRM1)	Reference								Prepared & Analyzed: 07/06/2021		
Mercury	26.056		mg/kg	27.2		95.8	59.9-140.1				



Wet Chemistry Parameters - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BF11597 - EPA SW846-3060											
Blank (BF11597-BLK1)	Blank								Prepared & Analyzed: 06/30/2021		
Chromium, Hexavalent	ND	0.500	mg/kg wet								
Duplicate (BF11597-DUP1)	Duplicate	*Source sample: 21F1378-01 (Duplicate)							Prepared & Analyzed: 06/30/2021		
Chromium, Hexavalent	ND	0.528	mg/kg dry		ND					35	
Matrix Spike (BF11597-MS1)	Matrix Spike	*Source sample: 21F1378-01 (Matrix Spike)							Prepared & Analyzed: 06/30/2021		
Chromium, Hexavalent	15.1	0.528	mg/kg dry	21.1	ND	71.6	75-125	Low Bias			
Matrix Spike (BF11597-MS2)	Matrix Spike	*Source sample: 21F1378-01 (Matrix Spike)							Prepared & Analyzed: 06/30/2021		
Chromium, Hexavalent	16.4	0.528	mg/kg dry	21.1	ND	77.8	75-125				
Reference (BF11597-SRM1)	Reference								Prepared & Analyzed: 06/30/2021		
Chromium, Hexavalent	70.6		mg/L	109		64.8	30-169.7				
Batch BF11609 - Analysis Preparation Soil											
Blank (BF11609-BLK1)	Blank								Prepared & Analyzed: 06/30/2021		
Cyanide, total	ND	0.500	mg/kg wet								
Duplicate (BF11609-DUP1)	Duplicate	*Source sample: 21F1378-01 (Duplicate)							Prepared & Analyzed: 06/30/2021		
Cyanide, total	ND	0.528	mg/kg dry		ND					15	
Matrix Spike (BF11609-MS1)	Matrix Spike	*Source sample: 21F1378-01 (Matrix Spike)							Prepared & Analyzed: 06/30/2021		
Cyanide, total	9.06	0.528	mg/kg dry	10.6	ND	85.8	79.6-107				
Reference (BF11609-SRM1)	Reference								Prepared & Analyzed: 06/30/2021		
Cyanide, total	141		ug/mL	91.9		154	42.22-159.96				



Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC Limits	Flag	RPD Limit	Flag

Batch BG10067 - % Solids Prep

Duplicate (BG10067-DUP1)	Duplicate	*Source sample: 21F1319-05 (Duplicate)					Prepared & Analyzed: 07/01/2021				
% Solids	72.8	0.100	%		73.9			1.44	20		



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
21F1318-01	SB01_2-4	40mL 01_Clear Vial Cool to 4° C



Sample and Data Qualifiers Relating to This Work Order

VSAMP	The sample vials provided were consumed during analysis and no remaining sample was available for reanalysis.
VOA-CONT	Non-Compliant - the container(s) provided by the client for soil volatiles do not meet the requirements of EPA SW846-5035A. Results reported below 200 ug/kg may be biased low due to samples not being collected according to EPA SW846 5035A requirements.
S-08	The recovery of this surrogate was outside of QC limits.
QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
M-SPKM	The spike recovery is not within acceptance windows due to sample non-homogeneity, or matrix interference.
M-ICV2	The recovery for this element in the ICV was outside the 90-110% recovery criteria.
M-DUPS	The RPD between the native sample and the duplicate is outside of limits due to sample non-homogeneity
M-CRL	The RL check for this element recovered outside of control limits.
M-CCV1	The recovery for this element in the Continuing Calibration Verification (CCV) exceeded 110% of the expected value. Positive detections may be biased high.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
ICV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration verification (recovery exceeded 30% of expected value).
CCV-H	The value reported is estimated due to its behavior during continuing calibration verification (>20% difference for average RF or >20% drift for linear or quadratic fit.) This value may be biased high.
CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).

Definitions and Other Explanations

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference



Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

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

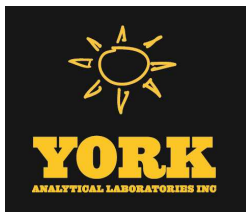
If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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



Technical Report

prepared for:

Langan Engineering & Environmental Services (NYC)

21 Penn Plaza, 360 West 31st Street

New York NY, 10001

Attention: Albert Tashji

Report Date: 07/09/2021

Client Project ID: 170362001

York Project (SDG) No.: 21F1462



CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037

New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

Report Date: 07/09/2021
Client Project ID: 170362001
York Project (SDG) No.: 21F1462

Langan Engineering & Environmental Services (NYC)
21 Penn Plaza, 360 West 31st Street
New York NY, 10001
Attention: Albert Tashji

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on June 30, 2021 and listed below. The project was identified as your project: **170362001**.

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

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

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

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

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

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
21F1462-01	SB02_10-11	Soil	06/30/2021	06/30/2021
21F1462-02	SB03_2-3	Soil	06/30/2021	06/30/2021
21F1462-03	Trip Blank	Water	06/30/2021	06/30/2021

General Notes for York Project (SDG) No.: 21F1462

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

Approved By



Cassie L. Mosher
Laboratory Manager

Date: 07/09/2021





Sample Information

Client Sample ID: SB02_10-11

York Sample ID: 21F1462-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21F1462

170362001

Soil

June 30, 2021 8:30 am

06/30/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes: VOA-CONT

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/01/2021 23:29	LLJ
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/01/2021 23:29	LLJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/01/2021 23:29	LLJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	07/01/2021 12:00	07/01/2021 23:29	LLJ
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/01/2021 23:29	LLJ
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/01/2021 23:29	LLJ
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/01/2021 23:29	LLJ
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/01/2021 23:29	LLJ
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	07/01/2021 12:00	07/01/2021 23:29	LLJ
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/01/2021 23:29	LLJ
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/01/2021 23:29	LLJ
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/01/2021 23:29	LLJ
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/01/2021 23:29	LLJ
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/01/2021 23:29	LLJ
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/01/2021 23:29	LLJ
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/01/2021 23:29	LLJ
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/01/2021 23:29	LLJ
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/01/2021 23:29	LLJ
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/01/2021 23:29	LLJ
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.056	0.11	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/01/2021 23:29	LLJ
78-93-3	2-Butanone	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/01/2021 23:29	LLJ



Sample Information

Client Sample ID: SB02_10-11

York Sample ID: 21F1462-01

York Project (SDG) No.
21F1462

Client Project ID
170362001

Matrix
Soil

Collection Date/Time
June 30, 2021 8:30 am

Date Received
06/30/2021

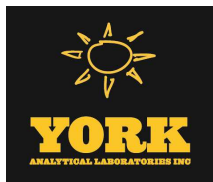
Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes: VOA-CONT

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/01/2021 23:29	LLJ
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/01/2021 23:29	LLJ
67-64-1	Acetone	0.0074	J	mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/01/2021 23:29	LLJ
107-02-8	Acrolein	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/01/2021 23:29	LLJ
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/01/2021 23:29	LLJ
71-43-2	Benzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/01/2021 23:29	LLJ
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/01/2021 23:29	LLJ
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/01/2021 23:29	LLJ
75-25-2	Bromoform	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/01/2021 23:29	LLJ
74-83-9	Bromomethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/01/2021 23:29	LLJ
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/01/2021 23:29	LLJ
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/01/2021 23:29	LLJ
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/01/2021 23:29	LLJ
75-00-3	Chloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/01/2021 23:29	LLJ
67-66-3	Chloroform	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/01/2021 23:29	LLJ
74-87-3	Chloromethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/01/2021 23:29	LLJ
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/01/2021 23:29	LLJ
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/01/2021 23:29	LLJ
110-82-7	Cyclohexane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/01/2021 23:29	LLJ
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/01/2021 23:29	LLJ
74-95-3	Dibromomethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/01/2021 23:29	LLJ
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/01/2021 23:29	LLJ



Sample Information

Client Sample ID: SB02_10-11

York Sample ID: 21F1462-01

York Project (SDG) No.

21F1462

Client Project ID

170362001

Matrix

Soil

Collection Date/Time

June 30, 2021 8:30 am

Date Received

06/30/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes: VOA-CONT

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/01/2021 23:29	LLJ
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/01/2021 23:29	LLJ
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/01/2021 23:29	LLJ
79-20-9	Methyl acetate	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/01/2021 23:29	LLJ
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/01/2021 23:29	LLJ
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/01/2021 23:29	LLJ
75-09-2	Methylene chloride	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/01/2021 23:29	LLJ
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/01/2021 23:29	LLJ
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/01/2021 23:29	LLJ
95-47-6	o-Xylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/01/2021 23:29	LLJ
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/01/2021 23:29	LLJ
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/01/2021 23:29	LLJ
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/01/2021 23:29	LLJ
100-42-5	Styrene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/01/2021 23:29	LLJ
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/01/2021 23:29	LLJ
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/01/2021 23:29	LLJ
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/01/2021 23:29	LLJ
108-88-3	Toluene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/01/2021 23:29	LLJ
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/01/2021 23:29	LLJ
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/01/2021 23:29	LLJ
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/01/2021 23:29	LLJ
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/01/2021 23:29	LLJ



Sample Information

Client Sample ID: SB02_10-11

York Sample ID: 21F1462-01

York Project (SDG) No.
21F1462

Client Project ID
170362001

Matrix
Soil

Collection Date/Time
June 30, 2021 8:30 am

Date Received
06/30/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes: VOA-CONT

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/01/2021 23:29	LLJ
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0084	0.017	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	07/01/2021 12:00	07/01/2021 23:29	LLJ
Surrogate Recoveries		Result		Acceptance Range							
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	106 %		77-125							
2037-26-5	Surrogate: SURR: Toluene-d8	97.7 %		85-120							
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	104 %		76-130							

Volatile Organics, Tentatively Identified Cmpds.

Log-in Notes:

Sample Notes: VOA-CONT

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Tentatively Identified Compounds	0.0		ug/kg dry			1	EPA 8260C Certifications:	07/01/2021 12:00	07/01/2021 23:29	LLJ

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/03/2021 08:53	07/07/2021 00:45	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0925	0.185	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/03/2021 08:53	07/07/2021 00:45	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/03/2021 08:53	07/07/2021 00:45	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0925	0.185	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/03/2021 08:53	07/07/2021 00:45	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/03/2021 08:53	07/07/2021 00:45	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/03/2021 08:53	07/07/2021 00:45	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/03/2021 08:53	07/07/2021 00:45	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/03/2021 08:53	07/07/2021 00:45	KH
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0925	0.185	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/03/2021 08:53	07/07/2021 00:45	KH
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/03/2021 08:53	07/07/2021 00:45	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/03/2021 08:53	07/07/2021 00:45	KH



Sample Information

Client Sample ID: SB02_10-11

York Sample ID: 21F1462-01

York Project (SDG) No.
21F1462

Client Project ID
170362001

Matrix
Soil

Collection Date/Time
June 30, 2021 8:30 am

Date Received
06/30/2021

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/03/2021 08:53	07/07/2021 00:45	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/03/2021 08:53	07/07/2021 00:45	KH
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/03/2021 08:53	07/07/2021 00:45	KH
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/03/2021 08:53	07/07/2021 00:45	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0925	0.185	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/03/2021 08:53	07/07/2021 00:45	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/03/2021 08:53	07/07/2021 00:45	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/03/2021 08:53	07/07/2021 00:45	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/03/2021 08:53	07/07/2021 00:45	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0925	0.185	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/03/2021 08:53	07/07/2021 00:45	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0925	0.185	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/03/2021 08:53	07/07/2021 00:45	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/03/2021 08:53	07/07/2021 00:45	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/03/2021 08:53	07/07/2021 00:45	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/03/2021 08:53	07/07/2021 00:45	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/03/2021 08:53	07/07/2021 00:45	KH
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0925	0.185	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/03/2021 08:53	07/07/2021 00:45	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0925	0.185	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/03/2021 08:53	07/07/2021 00:45	KH
83-32-9	Acenaphthene	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/03/2021 08:53	07/07/2021 00:45	KH
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/03/2021 08:53	07/07/2021 00:45	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/03/2021 08:53	07/07/2021 00:45	KH
62-53-3	Aniline	ND		mg/kg dry	0.185	0.371	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/03/2021 08:53	07/07/2021 00:45	KH
120-12-7	Anthracene	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/03/2021 08:53	07/07/2021 00:45	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/03/2021 08:53	07/07/2021 00:45	KH



Sample Information

Client Sample ID: SB02_10-11

York Sample ID: 21F1462-01

York Project (SDG) No.
21F1462

Client Project ID
170362001

Matrix
Soil

Collection Date/Time
June 30, 2021 8:30 am

Date Received
06/30/2021

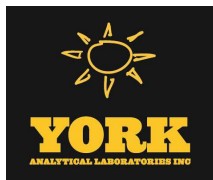
Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/03/2021 08:53	07/07/2021 00:45	KH
92-87-5	Benzidine	ND		mg/kg dry	0.185	0.371	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	07/03/2021 08:53	07/07/2021 00:45	KH
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/03/2021 08:53	07/07/2021 00:45	KH
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/03/2021 08:53	07/07/2021 00:45	KH
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/03/2021 08:53	07/07/2021 00:45	KH
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/03/2021 08:53	07/07/2021 00:45	KH
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/03/2021 08:53	07/07/2021 00:45	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/03/2021 08:53	07/07/2021 00:45	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/03/2021 08:53	07/07/2021 00:45	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/03/2021 08:53	07/07/2021 00:45	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/03/2021 08:53	07/07/2021 00:45	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/03/2021 08:53	07/07/2021 00:45	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/03/2021 08:53	07/07/2021 00:45	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/03/2021 08:53	07/07/2021 00:45	KH
105-60-2	Caprolactam	ND		mg/kg dry	0.0925	0.185	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/03/2021 08:53	07/07/2021 00:45	KH
86-74-8	Carbazole	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/03/2021 08:53	07/07/2021 00:45	KH
218-01-9	Chrysene	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/03/2021 08:53	07/07/2021 00:45	KH
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/03/2021 08:53	07/07/2021 00:45	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/03/2021 08:53	07/07/2021 00:45	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/03/2021 08:53	07/07/2021 00:45	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/03/2021 08:53	07/07/2021 00:45	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/03/2021 08:53	07/07/2021 00:45	KH



Sample Information

Client Sample ID: SB02_10-11

York Sample ID: 21F1462-01

York Project (SDG) No.
21F1462

Client Project ID
170362001

Matrix
Soil

Collection Date/Time
June 30, 2021 8:30 am

Date Received
06/30/2021

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/03/2021 08:53	07/07/2021 00:45	KH
122-39-4	Diphenylamine	ND		mg/kg dry	0.0925	0.185	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/03/2021 08:53	07/07/2021 00:45	KH
206-44-0	Fluoranthene	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/03/2021 08:53	07/07/2021 00:45	KH
86-73-7	Fluorene	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/03/2021 08:53	07/07/2021 00:45	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/03/2021 08:53	07/07/2021 00:45	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/03/2021 08:53	07/07/2021 00:45	KH
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/03/2021 08:53	07/07/2021 00:45	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/03/2021 08:53	07/07/2021 00:45	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/03/2021 08:53	07/07/2021 00:45	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/03/2021 08:53	07/07/2021 00:45	KH
91-20-3	Naphthalene	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/03/2021 08:53	07/07/2021 00:45	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/03/2021 08:53	07/07/2021 00:45	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/03/2021 08:53	07/07/2021 00:45	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/03/2021 08:53	07/07/2021 00:45	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/03/2021 08:53	07/07/2021 00:45	KH
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/03/2021 08:53	07/07/2021 00:45	KH
85-01-8	Phenanthrene	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/03/2021 08:53	07/07/2021 00:45	KH
108-95-2	Phenol	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/03/2021 08:53	07/07/2021 00:45	KH
129-00-0	Pyrene	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/03/2021 08:53	07/07/2021 00:45	KH
110-86-1	Pyridine	ND		mg/kg dry	0.185	0.371	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/03/2021 08:53	07/07/2021 00:45	KH
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: SURR: 2-Fluorophenol	65.6 %	20-108								
4165-62-2	Surrogate: SURR: Phenol-d5	59.1 %	23-114								



Sample Information

Client Sample ID: SB02_10-11

York Sample ID: 21F1462-01

York Project (SDG) No.
21F1462

Client Project ID
170362001

Matrix
Soil

Collection Date/Time
June 30, 2021 8:30 am

Date Received
06/30/2021

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	58.6 %			22-108						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	66.9 %			21-113						
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	80.9 %			19-110						
1718-51-0	Surrogate: SURR: Terphenyl-d14	111 %			24-116						

Semi-Volatiles, Tentatively Identified Cmpds.

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Tentatively Identified Compounds	0.00		ug/kg dry			2	EPA 8270D Certifications:	07/03/2021 08:53	07/07/2021 00:45	KH

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/01/2021 13:42	07/07/2021 11:43	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/01/2021 13:42	07/07/2021 11:43	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/01/2021 13:42	07/07/2021 11:43	CM
309-00-2	Aldrin	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/01/2021 13:42	07/07/2021 11:43	CM
319-84-6	alpha-BHC	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/01/2021 13:42	07/07/2021 11:43	CM
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	07/01/2021 13:42	07/07/2021 11:43	CM
319-85-7	beta-BHC	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/01/2021 13:42	07/07/2021 11:43	CM
57-74-9	Chlordane, total	ND		mg/kg dry	0.0358	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/01/2021 13:42	07/07/2021 11:43	CM
319-86-8	delta-BHC	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/01/2021 13:42	07/07/2021 11:43	CM
60-57-1	Dieldrin	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/01/2021 13:42	07/07/2021 11:43	CM
959-98-8	Endosulfan I	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/01/2021 13:42	07/07/2021 11:43	CM
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	07/01/2021 13:42	07/07/2021 11:43	CM
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/01/2021 13:42	07/07/2021 11:43	CM



Sample Information

Client Sample ID: SB02_10-11

York Sample ID: 21F1462-01

York Project (SDG) No.
21F1462

Client Project ID
170362001

Matrix
Soil

Collection Date/Time
June 30, 2021 8:30 am

Date Received
06/30/2021

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-20-8	Endrin	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/01/2021 13:42	07/07/2021 11:43	CM
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/01/2021 13:42	07/07/2021 11:43	CM
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/01/2021 13:42	07/07/2021 11:43	CM
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/01/2021 13:42	07/07/2021 11:43	CM
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	07/01/2021 13:42	07/07/2021 11:43	CM
76-44-8	Heptachlor	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/01/2021 13:42	07/07/2021 11:43	CM
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/01/2021 13:42	07/07/2021 11:43	CM
72-43-5	Methoxychlor	ND		mg/kg dry	0.00895	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/01/2021 13:42	07/07/2021 11:43	CM
8001-35-2	Toxaphene	ND		mg/kg dry	0.0905	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/01/2021 13:42	07/07/2021 11:43	CM
Surrogate Recoveries		Result		Acceptance Range						
2051-24-3	Surrogate: Decachlorobiphenyl	56.7 %		30-150						
877-09-8	Surrogate: Tetrachloro-m-xylene	76.7 %		30-150						

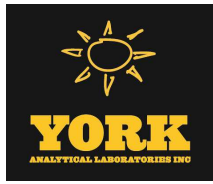
Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0181	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/01/2021 13:42	07/03/2021 00:46	BJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0181	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/01/2021 13:42	07/03/2021 00:46	BJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0181	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/01/2021 13:42	07/03/2021 00:46	BJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0181	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/01/2021 13:42	07/03/2021 00:46	BJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0181	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/01/2021 13:42	07/03/2021 00:46	BJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0181	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/01/2021 13:42	07/03/2021 00:46	BJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0181	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/01/2021 13:42	07/03/2021 00:46	BJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0181	1	EPA 8082A Certifications:	07/01/2021 13:42	07/03/2021 00:46	BJ



Sample Information

Client Sample ID: SB02_10-11

York Sample ID: 21F1462-01

York Project (SDG) No.

21F1462

Client Project ID

170362001

Matrix

Soil

Collection Date/Time

June 30, 2021 8:30 am

Date Received

06/30/2021

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	81.5 %								
2051-24-3	Surrogate: Decachlorobiphenyl	45.0 %								

Herbicides, Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0223	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2021 07:31	07/02/2021 16:37	BJ
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0223	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2021 07:31	07/02/2021 16:37	BJ
94-75-7	2,4-D	ND		mg/kg dry	0.0223	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2021 07:31	07/02/2021 16:37	BJ
Surrogate Recoveries		Result		Acceptance Range						
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (	119 %								

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	8240		mg/kg dry	5.58	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2021 19:58	07/08/2021 11:37	EM
7440-36-0	Antimony	ND		mg/kg dry	2.79	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2021 19:58	07/08/2021 11:37	EM
7440-38-2	Arsenic	6.16		mg/kg dry	1.68	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2021 19:58	07/08/2021 11:37	EM
7440-39-3	Barium	68.7		mg/kg dry	2.79	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2021 19:58	07/08/2021 11:37	EM
7440-41-7	Beryllium	ND		mg/kg dry	0.056	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2021 19:58	07/08/2021 11:37	EM
7440-43-9	Cadmium	ND		mg/kg dry	0.335	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2021 19:58	07/08/2021 11:37	EM
7440-70-2	Calcium	1130	B	mg/kg dry	5.58	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2021 19:58	07/08/2021 11:37	EM
7440-47-3	Chromium	15.5		mg/kg dry	0.558	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2021 19:58	07/08/2021 11:37	EM
7440-48-4	Cobalt	6.81		mg/kg dry	0.447	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2021 19:58	07/08/2021 11:37	EM
7440-50-8	Copper	23.7		mg/kg dry	2.23	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2021 19:58	07/08/2021 11:37	EM



Sample Information

Client Sample ID: SB02_10-11

York Sample ID: 21F1462-01

York Project (SDG) No.
21F1462

Client Project ID
170362001

Matrix
Soil

Collection Date/Time
June 30, 2021 8:30 am

Date Received
06/30/2021

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	13300		mg/kg dry	27.9	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2021 19:58	07/08/2021 11:37	EM
7439-92-1	Lead	24.7		mg/kg dry	0.558	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2021 19:58	07/08/2021 11:37	EM
7439-95-4	Magnesium	2230		mg/kg dry	5.58	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2021 19:58	07/08/2021 11:37	EM
7439-96-5	Manganese	376		mg/kg dry	0.558	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2021 19:58	07/08/2021 11:37	EM
7440-02-0	Nickel	24.9		mg/kg dry	1.12	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2021 19:58	07/08/2021 11:37	EM
7440-09-7	Potassium	1240		mg/kg dry	5.58	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2021 19:58	07/08/2021 11:37	EM
7782-49-2	Selenium	ND		mg/kg dry	2.79	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2021 19:58	07/08/2021 11:37	EM
7440-22-4	Silver	ND		mg/kg dry	0.558	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2021 19:58	07/08/2021 11:37	EM
7440-23-5	Sodium	95.9		mg/kg dry	55.8	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2021 19:58	07/08/2021 11:37	EM
7440-28-0	Thallium	ND		mg/kg dry	2.79	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2021 19:58	07/08/2021 11:37	EM
7440-62-2	Vanadium	18.9		mg/kg dry	1.12	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2021 19:58	07/08/2021 11:37	EM
7440-66-6	Zinc	40.9		mg/kg dry	2.79	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2021 19:58	07/08/2021 11:37	EM

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0335	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	07/07/2021 14:17	07/07/2021 14:17	AD

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.558	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	07/02/2021 08:27	07/02/2021 15:44	OT

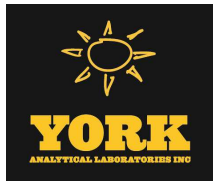
Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120 RESEARCH DRIVE	STRATFORD, CT 06615						132-02 89th AVENUE	RICHMOND HILL, NY 11418		
www.YORKLAB.com	(203) 325-1371						FAX (203) 357-0166	ClientServices@yorklab.com		



Sample Information

Client Sample ID: SB02_10-11

York Sample ID: 21F1462-01

York Project (SDG) No.

21F1462

Client Project ID

170362001

Matrix

Soil

Collection Date/Time

June 30, 2021 8:30 am

Date Received

06/30/2021

16065-83-1 * Chromium, Trivalent 15.5 mg/kg 0.500 1 Calculation 07/08/2021 13:49 07/08/2021 17:03 PAM
Certifications:

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.558	1	EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/01/2021 07:37	07/01/2021 17:49	ALH

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	89.5		%	0.100	1	SM 2540G Certifications: CTDOH	07/06/2021 16:06	07/06/2021 19:35	VR



Sample Information

Client Sample ID: SB03_2-3

York Sample ID: 21F1462-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21F1462

170362001

Soil

June 30, 2021 8:40 am

06/30/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes: VOA-CONT

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0033	0.0067	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/02/2021 02:54	LLJ
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0033	0.0067	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/02/2021 02:54	LLJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0033	0.0067	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/02/2021 02:54	LLJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0033	0.0067	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	07/01/2021 12:00	07/02/2021 02:54	LLJ
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0033	0.0067	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/02/2021 02:54	LLJ
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0033	0.0067	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/02/2021 02:54	LLJ
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0033	0.0067	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/02/2021 02:54	LLJ
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0033	0.0067	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/02/2021 02:54	LLJ
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0033	0.0067	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	07/01/2021 12:00	07/02/2021 02:54	LLJ
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0033	0.0067	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/02/2021 02:54	LLJ
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0033	0.0067	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/02/2021 02:54	LLJ
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0033	0.0067	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/02/2021 02:54	LLJ
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0033	0.0067	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/02/2021 02:54	LLJ
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0033	0.0067	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/02/2021 02:54	LLJ
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0033	0.0067	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/02/2021 02:54	LLJ
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0033	0.0067	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/02/2021 02:54	LLJ
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0033	0.0067	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/02/2021 02:54	LLJ
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0033	0.0067	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/02/2021 02:54	LLJ
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0033	0.0067	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/02/2021 02:54	LLJ
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.067	0.13	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/02/2021 02:54	LLJ
78-93-3	2-Butanone	0.029		mg/kg dry	0.0033	0.0067	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/02/2021 02:54	LLJ



Sample Information

Client Sample ID: SB03_2-3

York Sample ID: 21F1462-02

York Project (SDG) No.
21F1462

Client Project ID
170362001

Matrix
Soil

Collection Date/Time
June 30, 2021 8:40 am

Date Received
06/30/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes: VOA-CONT

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0033	0.0067	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/02/2021 02:54	LLJ
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0033	0.0067	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/02/2021 02:54	LLJ
67-64-1	Acetone	0.16		mg/kg dry	0.0067	0.013	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/02/2021 02:54	LLJ
107-02-8	Acrolein	ND		mg/kg dry	0.0067	0.013	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/02/2021 02:54	LLJ
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0033	0.0067	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/02/2021 02:54	LLJ
71-43-2	Benzene	ND		mg/kg dry	0.0033	0.0067	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/02/2021 02:54	LLJ
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0033	0.0067	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/02/2021 02:54	LLJ
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0033	0.0067	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/02/2021 02:54	LLJ
75-25-2	Bromoform	ND		mg/kg dry	0.0033	0.0067	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/02/2021 02:54	LLJ
74-83-9	Bromomethane	ND		mg/kg dry	0.0033	0.0067	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/02/2021 02:54	LLJ
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0033	0.0067	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/02/2021 02:54	LLJ
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0033	0.0067	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/02/2021 02:54	LLJ
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0033	0.0067	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/02/2021 02:54	LLJ
75-00-3	Chloroethane	ND		mg/kg dry	0.0033	0.0067	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/02/2021 02:54	LLJ
67-66-3	Chloroform	ND		mg/kg dry	0.0033	0.0067	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/02/2021 02:54	LLJ
74-87-3	Chloromethane	ND		mg/kg dry	0.0033	0.0067	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/02/2021 02:54	LLJ
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0033	0.0067	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/02/2021 02:54	LLJ
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0033	0.0067	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/02/2021 02:54	LLJ
110-82-7	Cyclohexane	ND		mg/kg dry	0.0033	0.0067	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/02/2021 02:54	LLJ
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0033	0.0067	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/02/2021 02:54	LLJ
74-95-3	Dibromomethane	ND		mg/kg dry	0.0033	0.0067	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/02/2021 02:54	LLJ
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0033	0.0067	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/02/2021 02:54	LLJ



Sample Information

Client Sample ID: SB03_2-3

York Sample ID: 21F1462-02

York Project (SDG) No.
21F1462

Client Project ID
170362001

Matrix
Soil

Collection Date/Time
June 30, 2021 8:40 am

Date Received
06/30/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes: VOA-CONT

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0033	0.0067	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/02/2021 02:54	LLJ
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0033	0.0067	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/02/2021 02:54	LLJ
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0033	0.0067	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/02/2021 02:54	LLJ
79-20-9	Methyl acetate	ND		mg/kg dry	0.0033	0.0067	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/02/2021 02:54	LLJ
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0033	0.0067	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/02/2021 02:54	LLJ
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0033	0.0067	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/02/2021 02:54	LLJ
75-09-2	Methylene chloride	ND		mg/kg dry	0.0067	0.013	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/02/2021 02:54	LLJ
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0033	0.0067	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/02/2021 02:54	LLJ
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0033	0.0067	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/02/2021 02:54	LLJ
95-47-6	o-Xylene	ND		mg/kg dry	0.0033	0.0067	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/02/2021 02:54	LLJ
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0067	0.013	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/02/2021 02:54	LLJ
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0033	0.0067	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/02/2021 02:54	LLJ
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0033	0.0067	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/02/2021 02:54	LLJ
100-42-5	Styrene	ND		mg/kg dry	0.0033	0.0067	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/02/2021 02:54	LLJ
75-65-0	tert-Butyl alcohol (TBA)	0.0055	QL-02, J	mg/kg dry	0.0033	0.0067	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/02/2021 02:54	LLJ
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0033	0.0067	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/02/2021 02:54	LLJ
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0033	0.0067	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/02/2021 02:54	LLJ
108-88-3	Toluene	ND		mg/kg dry	0.0033	0.0067	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/02/2021 02:54	LLJ
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0033	0.0067	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/02/2021 02:54	LLJ
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0033	0.0067	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/02/2021 02:54	LLJ
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0033	0.0067	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/02/2021 02:54	LLJ
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0033	0.0067	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/02/2021 02:54	LLJ



Sample Information

Client Sample ID: SB03_2-3

York Sample ID: 21F1462-02

York Project (SDG) No.
21F1462

Client Project ID
170362001

Matrix
Soil

Collection Date/Time
June 30, 2021 8:40 am

Date Received
06/30/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes: VOA-CONT

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0033	0.0067	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/01/2021 12:00	07/02/2021 02:54	LLJ
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.010	0.020	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	07/01/2021 12:00	07/02/2021 02:54	LLJ
Surrogate Recoveries		Result		Acceptance Range							
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	106 %		77-125							
2037-26-5	Surrogate: SURR: Toluene-d8	97.0 %		85-120							
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	107 %		76-130							

Volatile Organics, Tentatively Identified Cmpds.

Log-in Notes:

Sample Notes: VOA-CONT

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Tentatively Identified Compounds	0.0		ug/kg dry			1	EPA 8260C Certifications:	07/01/2021 12:00	07/02/2021 02:54	LLJ

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	0.0838	J	mg/kg dry	0.0553	0.110	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/03/2021 08:53	07/07/2021 01:15	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.110	0.220	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/03/2021 08:53	07/07/2021 01:15	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0553	0.110	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/03/2021 08:53	07/07/2021 01:15	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.110	0.220	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/03/2021 08:53	07/07/2021 01:15	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0553	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/03/2021 08:53	07/07/2021 01:15	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0553	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/03/2021 08:53	07/07/2021 01:15	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0553	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/03/2021 08:53	07/07/2021 01:15	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0553	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/03/2021 08:53	07/07/2021 01:15	KH
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.110	0.220	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/03/2021 08:53	07/07/2021 01:15	KH
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0553	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/03/2021 08:53	07/07/2021 01:15	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0553	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/03/2021 08:53	07/07/2021 01:15	KH



Sample Information

Client Sample ID: SB03_2-3

York Sample ID: 21F1462-02

York Project (SDG) No.
21F1462

Client Project ID
170362001

Matrix
Soil

Collection Date/Time
June 30, 2021 8:40 am

Date Received
06/30/2021

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0553	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/03/2021 08:53	07/07/2021 01:15	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0553	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/03/2021 08:53	07/07/2021 01:15	KH
91-57-6	2-Methylnaphthalene	0.385		mg/kg dry	0.0553	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/03/2021 08:53	07/07/2021 01:15	KH
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0553	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/03/2021 08:53	07/07/2021 01:15	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.110	0.220	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/03/2021 08:53	07/07/2021 01:15	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0553	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/03/2021 08:53	07/07/2021 01:15	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0553	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/03/2021 08:53	07/07/2021 01:15	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0553	0.110	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/03/2021 08:53	07/07/2021 01:15	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.110	0.220	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/03/2021 08:53	07/07/2021 01:15	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.110	0.220	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/03/2021 08:53	07/07/2021 01:15	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0553	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/03/2021 08:53	07/07/2021 01:15	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0553	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/03/2021 08:53	07/07/2021 01:15	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0553	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/03/2021 08:53	07/07/2021 01:15	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0553	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/03/2021 08:53	07/07/2021 01:15	KH
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.110	0.220	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/03/2021 08:53	07/07/2021 01:15	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.110	0.220	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/03/2021 08:53	07/07/2021 01:15	KH
83-32-9	Acenaphthene	ND		mg/kg dry	0.0553	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/03/2021 08:53	07/07/2021 01:15	KH
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0553	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/03/2021 08:53	07/07/2021 01:15	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0553	0.110	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/03/2021 08:53	07/07/2021 01:15	KH
62-53-3	Aniline	ND		mg/kg dry	0.221	0.442	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/03/2021 08:53	07/07/2021 01:15	KH
120-12-7	Anthracene	0.0767	J	mg/kg dry	0.0553	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/03/2021 08:53	07/07/2021 01:15	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0553	0.110	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/03/2021 08:53	07/07/2021 01:15	KH



Sample Information

Client Sample ID: SB03_2-3

York Sample ID: 21F1462-02

York Project (SDG) No.
21F1462

Client Project ID
170362001

Matrix
Soil

Collection Date/Time
June 30, 2021 8:40 am

Date Received
06/30/2021

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0553	0.110	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/03/2021 08:53	07/07/2021 01:15	KH
92-87-5	Benzidine	ND		mg/kg dry	0.221	0.442	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	07/03/2021 08:53	07/07/2021 01:15	KH
56-55-3	Benzo(a)anthracene	0.199		mg/kg dry	0.0553	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/03/2021 08:53	07/07/2021 01:15	KH
50-32-8	Benzo(a)pyrene	0.222		mg/kg dry	0.0553	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/03/2021 08:53	07/07/2021 01:15	KH
205-99-2	Benzo(b)fluoranthene	0.236		mg/kg dry	0.0553	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/03/2021 08:53	07/07/2021 01:15	KH
191-24-2	Benzo(g,h,i)perylene	0.241		mg/kg dry	0.0553	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/03/2021 08:53	07/07/2021 01:15	KH
207-08-9	Benzo(k)fluoranthene	0.191		mg/kg dry	0.0553	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/03/2021 08:53	07/07/2021 01:15	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0553	0.110	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/03/2021 08:53	07/07/2021 01:15	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0553	0.110	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/03/2021 08:53	07/07/2021 01:15	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0553	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/03/2021 08:53	07/07/2021 01:15	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0553	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/03/2021 08:53	07/07/2021 01:15	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0553	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/03/2021 08:53	07/07/2021 01:15	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0553	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/03/2021 08:53	07/07/2021 01:15	KH
117-81-7	Bis(2-ethylhexyl)phthalate	0.263		mg/kg dry	0.0553	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/03/2021 08:53	07/07/2021 01:15	KH
105-60-2	Caprolactam	ND		mg/kg dry	0.110	0.220	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/03/2021 08:53	07/07/2021 01:15	KH
86-74-8	Carbazole	ND		mg/kg dry	0.0553	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/03/2021 08:53	07/07/2021 01:15	KH
218-01-9	Chrysene	0.257		mg/kg dry	0.0553	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/03/2021 08:53	07/07/2021 01:15	KH
53-70-3	Dibenzo(a,h)anthracene	0.0564	J	mg/kg dry	0.0553	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/03/2021 08:53	07/07/2021 01:15	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0553	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/03/2021 08:53	07/07/2021 01:15	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0553	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/03/2021 08:53	07/07/2021 01:15	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0553	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/03/2021 08:53	07/07/2021 01:15	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0553	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/03/2021 08:53	07/07/2021 01:15	KH



Sample Information

Client Sample ID: SB03_2-3

York Sample ID: 21F1462-02

York Project (SDG) No.
21F1462

Client Project ID
170362001

Matrix
Soil

Collection Date/Time
June 30, 2021 8:40 am

Date Received
06/30/2021

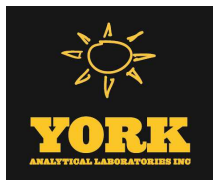
Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0553	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/03/2021 08:53	07/07/2021 01:15	KH
122-39-4	Diphenylamine	ND		mg/kg dry	0.110	0.220	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/03/2021 08:53	07/07/2021 01:15	KH
206-44-0	Fluoranthene	0.367		mg/kg dry	0.0553	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/03/2021 08:53	07/07/2021 01:15	KH
86-73-7	Fluorene	0.127		mg/kg dry	0.0553	0.110	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/03/2021 08:53	07/07/2021 01:15	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0553	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/03/2021 08:53	07/07/2021 01:15	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0553	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/03/2021 08:53	07/07/2021 01:15	KH
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0553	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/03/2021 08:53	07/07/2021 01:15	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0553	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/03/2021 08:53	07/07/2021 01:15	KH
193-39-5	Indeno(1,2,3-cd)pyrene	0.223		mg/kg dry	0.0553	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/03/2021 08:53	07/07/2021 01:15	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0553	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/03/2021 08:53	07/07/2021 01:15	KH
91-20-3	Naphthalene	0.168		mg/kg dry	0.0553	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/03/2021 08:53	07/07/2021 01:15	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0553	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/03/2021 08:53	07/07/2021 01:15	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0553	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/03/2021 08:53	07/07/2021 01:15	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0553	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/03/2021 08:53	07/07/2021 01:15	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0553	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/03/2021 08:53	07/07/2021 01:15	KH
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0553	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/03/2021 08:53	07/07/2021 01:15	KH
85-01-8	Phenanthrene	0.314		mg/kg dry	0.0553	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/03/2021 08:53	07/07/2021 01:15	KH
108-95-2	Phenol	ND		mg/kg dry	0.0553	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/03/2021 08:53	07/07/2021 01:15	KH
129-00-0	Pyrene	0.443		mg/kg dry	0.0553	0.110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/03/2021 08:53	07/07/2021 01:15	KH
110-86-1	Pyridine	ND		mg/kg dry	0.221	0.442	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/03/2021 08:53	07/07/2021 01:15	KH
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: SURR: 2-Fluorophenol	51.7 %	20-108								
4165-62-2	Surrogate: SURR: Phenol-d5	53.4 %	23-114								



Sample Information

Client Sample ID: SB03_2-3

York Sample ID: 21F1462-02

York Project (SDG) No.
21F1462

Client Project ID
170362001

Matrix
Soil

Collection Date/Time
June 30, 2021 8:40 am

Date Received
06/30/2021

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	55.5 %			22-108						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	59.8 %			21-113						
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	71.8 %			19-110						
1718-51-0	Surrogate: SURR: Terphenyl-d14	101 %			24-116						

Semi-Volatiles, Tentatively Identified Cmpds.

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
NA	Unknown Hydrocarbon RT 10.0	1320	J	ug/kg dry			2	EPA 8270D Certifications:	07/03/2021 08:53	07/07/2021 01:15	KH
NA	Unknown Hydrocarbon RT 7.4	1610	J	ug/kg dry			2	EPA 8270D Certifications:	07/03/2021 08:53	07/07/2021 01:15	KH
NA	Unknown Hydrocarbon RT 7.9	1650	J	ug/kg dry			2	EPA 8270D Certifications:	07/03/2021 08:53	07/07/2021 01:15	KH
NA	Unknown PAH RT 6.9	1180	J	ug/kg dry			2	EPA 8270D Certifications:	07/03/2021 08:53	07/07/2021 01:15	KH
NA	Unknown RT 19.1	3530	J	ug/kg dry			2	EPA 8270D Certifications:	07/03/2021 08:53	07/07/2021 01:15	KH
NA	Unknown RT 19.7	6520	J	ug/kg dry			2	EPA 8270D Certifications:	07/03/2021 08:53	07/07/2021 01:15	KH

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	0.0132		mg/kg dry	0.00213	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/01/2021 13:42	07/07/2021 12:00	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00213	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/01/2021 13:42	07/07/2021 12:00	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00213	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/01/2021 13:42	07/07/2021 12:00	CM
309-00-2	Aldrin	ND		mg/kg dry	0.00213	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/01/2021 13:42	07/07/2021 12:00	CM
319-84-6	alpha-BHC	ND		mg/kg dry	0.00213	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/01/2021 13:42	07/07/2021 12:00	CM
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00213	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	07/01/2021 13:42	07/07/2021 12:00	CM
319-85-7	beta-BHC	ND		mg/kg dry	0.00213	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/01/2021 13:42	07/07/2021 12:00	CM
57-74-9	Chlordane, total	ND		mg/kg dry	0.0427	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/01/2021 13:42	07/07/2021 12:00	CM



Sample Information

Client Sample ID: SB03_2-3

York Sample ID: 21F1462-02

York Project (SDG) No.
21F1462

Client Project ID
170362001

Matrix
Soil

Collection Date/Time
June 30, 2021 8:40 am

Date Received
06/30/2021

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
319-86-8	delta-BHC	ND		mg/kg dry	0.00213	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/01/2021 13:42	07/07/2021 12:00	CM
60-57-1	Dieldrin	ND		mg/kg dry	0.00213	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/01/2021 13:42	07/07/2021 12:00	CM
959-98-8	Endosulfan I	ND		mg/kg dry	0.00213	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/01/2021 13:42	07/07/2021 12:00	CM
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00213	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	07/01/2021 13:42	07/07/2021 12:00	CM
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00213	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/01/2021 13:42	07/07/2021 12:00	CM
72-20-8	Endrin	ND		mg/kg dry	0.00213	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/01/2021 13:42	07/07/2021 12:00	CM
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00213	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/01/2021 13:42	07/07/2021 12:00	CM
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00213	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/01/2021 13:42	07/07/2021 12:00	CM
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00213	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/01/2021 13:42	07/07/2021 12:00	CM
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00213	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	07/01/2021 13:42	07/07/2021 12:00	CM
76-44-8	Heptachlor	ND		mg/kg dry	0.00213	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/01/2021 13:42	07/07/2021 12:00	CM
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00213	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/01/2021 13:42	07/07/2021 12:00	CM
72-43-5	Methoxychlor	ND		mg/kg dry	0.0107	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/01/2021 13:42	07/07/2021 12:00	CM
8001-35-2	Toxaphene	ND		mg/kg dry	0.108	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/01/2021 13:42	07/07/2021 12:00	CM
Surrogate Recoveries		Result		Acceptance Range						
2051-24-3	Surrogate: Decachlorobiphenyl	29.6 %	S-GC				30-150			
877-09-8	Surrogate: Tetrachloro-m-xylene	34.5 %					30-150			

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0215	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/01/2021 13:42	07/03/2021 01:13	BJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0215	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/01/2021 13:42	07/03/2021 01:13	BJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0215	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/01/2021 13:42	07/03/2021 01:13	BJ



Sample Information

Client Sample ID: SB03_2-3

York Sample ID: 21F1462-02

York Project (SDG) No.
21F1462

Client Project ID
170362001

Matrix
Soil

Collection Date/Time
June 30, 2021 8:40 am

Date Received
06/30/2021

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0215	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/01/2021 13:42	07/03/2021 01:13	BJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0215	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/01/2021 13:42	07/03/2021 01:13	BJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0215	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/01/2021 13:42	07/03/2021 01:13	BJ
11096-82-5	Aroclor 1260	0.319		mg/kg dry	0.0215	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/01/2021 13:42	07/03/2021 01:13	BJ
1336-36-3	* Total PCBs	0.319		mg/kg dry	0.0215	1	EPA 8082A Certifications:	07/01/2021 13:42	07/03/2021 01:13	BJ
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	41.0 %								
2051-24-3	Surrogate: Decachlorobiphenyl	29.0 %	S-GC							

Herbicides, Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0264	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2021 07:31	07/02/2021 16:48	BJ
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0264	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2021 07:31	07/02/2021 16:48	BJ
94-75-7	2,4-D	ND		mg/kg dry	0.0264	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/02/2021 07:31	07/02/2021 16:48	BJ
Surrogate Recoveries		Result		Acceptance Range						
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (	121 %								

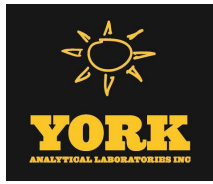
Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	7230		mg/kg dry	6.66	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2021 19:58	07/08/2021 11:47	EM
7440-36-0	Antimony	49.0		mg/kg dry	3.33	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2021 19:58	07/08/2021 11:47	EM
7440-38-2	Arsenic	29.3		mg/kg dry	2.00	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2021 19:58	07/08/2021 11:47	EM
7440-39-3	Barium	2100		mg/kg dry	3.33	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2021 19:58	07/08/2021 11:47	EM
7440-41-7	Beryllium	ND		mg/kg dry	0.067	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2021 19:58	07/08/2021 11:47	EM



Sample Information

Client Sample ID: SB03_2-3

York Sample ID: 21F1462-02

York Project (SDG) No.

21F1462

Client Project ID

170362001

Matrix

Soil

Collection Date/Time

June 30, 2021 8:40 am

Date Received

06/30/2021

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-43-9	Cadmium	35.6		mg/kg dry	0.399	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2021 19:58	07/08/2021 11:47	EM
7440-70-2	Calcium	19800	B	mg/kg dry	6.66	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2021 19:58	07/08/2021 11:47	EM
7440-47-3	Chromium	222		mg/kg dry	0.666	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2021 19:58	07/08/2021 11:47	EM
7440-48-4	Cobalt	28.1		mg/kg dry	0.533	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2021 19:58	07/08/2021 11:47	EM
7440-50-8	Copper	2010		mg/kg dry	2.66	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2021 19:58	07/08/2021 11:47	EM
7439-89-6	Iron	166000		mg/kg dry	166	5	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2021 19:58	07/08/2021 15:55	EM
7439-92-1	Lead	4540		mg/kg dry	0.666	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2021 19:58	07/08/2021 11:47	EM
7439-95-4	Magnesium	3060		mg/kg dry	6.66	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2021 19:58	07/08/2021 11:47	EM
7439-96-5	Manganese	1010		mg/kg dry	0.666	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2021 19:58	07/08/2021 11:47	EM
7440-02-0	Nickel	132		mg/kg dry	1.33	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2021 19:58	07/08/2021 11:47	EM
7440-09-7	Potassium	1110		mg/kg dry	6.66	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2021 19:58	07/08/2021 11:47	EM
7782-49-2	Selenium	ND		mg/kg dry	3.33	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2021 19:58	07/08/2021 11:47	EM
7440-22-4	Silver	4.34		mg/kg dry	0.666	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2021 19:58	07/08/2021 11:47	EM
7440-23-5	Sodium	566		mg/kg dry	66.6	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2021 19:58	07/08/2021 11:47	EM
7440-28-0	Thallium	ND		mg/kg dry	3.33	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2021 19:58	07/08/2021 11:47	EM
7440-62-2	Vanadium	52.9		mg/kg dry	1.33	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2021 19:58	07/08/2021 11:47	EM
7440-66-6	Zinc	7530		mg/kg dry	16.6	5	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/06/2021 19:58	07/08/2021 15:55	EM

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0399	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	07/07/2021 14:17	07/07/2021 14:17	AD



Sample Information

Client Sample ID: SB03_2-3

York Sample ID: 21F1462-02

York Project (SDG) No.
21F1462

Client Project ID
170362001

Matrix
Soil

Collection Date/Time
June 30, 2021 8:40 am

Date Received
06/30/2021

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.666	1	EPA 7196A	07/02/2021 08:27	07/02/2021 15:44	OT
Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP										

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	222		mg/kg	0.500	1	Calculation	07/08/2021 13:49	07/08/2021 17:03	PAM
Certifications:										

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	1.65		mg/kg dry	0.666	1	EPA 9014/9010C	07/01/2021 07:37	07/01/2021 17:49	ALH
Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP										

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	75.1		%	0.100	1	SM 2540G	07/06/2021 16:06	07/06/2021 19:35	VR
Certifications: CTDOH										



Sample Information

Client Sample ID: Trip Blank

York Sample ID: 21F1462-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21F1462

170362001

Water

June 30, 2021 8:40 am

06/30/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes: VOA-HDSP

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/02/2021 05:00	07/02/2021 09:34	LLJ
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/02/2021 05:00	07/02/2021 09:34	LLJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/02/2021 05:00	07/02/2021 09:34	LLJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/02/2021 05:00	07/02/2021 09:34	LLJ
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/02/2021 05:00	07/02/2021 09:34	LLJ
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/02/2021 05:00	07/02/2021 09:34	LLJ
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/02/2021 05:00	07/02/2021 09:34	LLJ
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/02/2021 05:00	07/02/2021 09:34	LLJ
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/02/2021 05:00	07/02/2021 09:34	LLJ
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/02/2021 05:00	07/02/2021 09:34	LLJ
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/02/2021 05:00	07/02/2021 09:34	LLJ
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/02/2021 05:00	07/02/2021 09:34	LLJ
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/02/2021 05:00	07/02/2021 09:34	LLJ
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/02/2021 05:00	07/02/2021 09:34	LLJ
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/02/2021 05:00	07/02/2021 09:34	LLJ
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/02/2021 05:00	07/02/2021 09:34	LLJ
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/02/2021 05:00	07/02/2021 09:34	LLJ
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/02/2021 05:00	07/02/2021 09:34	LLJ
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/02/2021 05:00	07/02/2021 09:34	LLJ
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/02/2021 05:00	07/02/2021 09:34	LLJ
78-93-3	2-Butanone	5.10	Cal-E	ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/02/2021 05:00	07/02/2021 09:34	LLJ



Sample Information

Client Sample ID: Trip Blank

York Sample ID: 21F1462-03

York Project (SDG) No.
21F1462

Client Project ID
170362001

Matrix
Water

Collection Date/Time
June 30, 2021 8:40 am

Date Received
06/30/2021

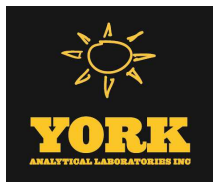
Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes: VOA-HDSP

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	1.69	Cal-E	ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/02/2021 05:00	07/02/2021 09:34	LLJ
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/02/2021 05:00	07/02/2021 09:34	LLJ
67-64-1	Acetone	3.37		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/02/2021 05:00	07/02/2021 09:34	LLJ
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/02/2021 05:00	07/02/2021 09:34	LLJ
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/02/2021 05:00	07/02/2021 09:34	LLJ
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/02/2021 05:00	07/02/2021 09:34	LLJ
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/02/2021 05:00	07/02/2021 09:34	LLJ
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/02/2021 05:00	07/02/2021 09:34	LLJ
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/02/2021 05:00	07/02/2021 09:34	LLJ
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/02/2021 05:00	07/02/2021 09:34	LLJ
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/02/2021 05:00	07/02/2021 09:34	LLJ
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/02/2021 05:00	07/02/2021 09:34	LLJ
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/02/2021 05:00	07/02/2021 09:34	LLJ
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/02/2021 05:00	07/02/2021 09:34	LLJ
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/02/2021 05:00	07/02/2021 09:34	LLJ
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/02/2021 05:00	07/02/2021 09:34	LLJ
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/02/2021 05:00	07/02/2021 09:34	LLJ
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/02/2021 05:00	07/02/2021 09:34	LLJ
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/02/2021 05:00	07/02/2021 09:34	LLJ
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/02/2021 05:00	07/02/2021 09:34	LLJ
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/02/2021 05:00	07/02/2021 09:34	LLJ
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/02/2021 05:00	07/02/2021 09:34	LLJ



Sample Information

Client Sample ID: Trip Blank

York Sample ID: 21F1462-03

York Project (SDG) No.

21F1462

Client Project ID

170362001

Matrix

Water

Collection Date/Time

June 30, 2021 8:40 am

Date Received

06/30/2021

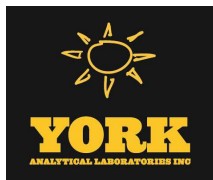
Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes: VOA-HDSP

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/02/2021 05:00	07/02/2021 09:34	LLJ
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/02/2021 05:00	07/02/2021 09:34	LLJ
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/02/2021 05:00	07/02/2021 09:34	LLJ
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/02/2021 05:00	07/02/2021 09:34	LLJ
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/02/2021 05:00	07/02/2021 09:34	LLJ
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/02/2021 05:00	07/02/2021 09:34	LLJ
75-09-2	Methylene chloride	1.84		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/02/2021 05:00	07/02/2021 09:34	LLJ
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/02/2021 05:00	07/02/2021 09:34	LLJ
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/02/2021 05:00	07/02/2021 09:34	LLJ
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/02/2021 05:00	07/02/2021 09:34	LLJ
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/02/2021 05:00	07/02/2021 09:34	LLJ
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/02/2021 05:00	07/02/2021 09:34	LLJ
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/02/2021 05:00	07/02/2021 09:34	LLJ
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/02/2021 05:00	07/02/2021 09:34	LLJ
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/02/2021 05:00	07/02/2021 09:34	LLJ
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/02/2021 05:00	07/02/2021 09:34	LLJ
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/02/2021 05:00	07/02/2021 09:34	LLJ
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/02/2021 05:00	07/02/2021 09:34	LLJ
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/02/2021 05:00	07/02/2021 09:34	LLJ
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/02/2021 05:00	07/02/2021 09:34	LLJ
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/02/2021 05:00	07/02/2021 09:34	LLJ
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/02/2021 05:00	07/02/2021 09:34	LLJ



Sample Information

Client Sample ID: Trip Blank

York Sample ID: 21F1462-03

York Project (SDG) No.
21F1462

Client Project ID
170362001

Matrix
Water

Collection Date/Time
June 30, 2021 8:40 am

Date Received
06/30/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes: VOA-HDSP

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/02/2021 05:00	07/02/2021 09:34	LLJ
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	07/02/2021 05:00	07/02/2021 09:34	LLJ
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	99.1 %	69-130								
2037-26-5	Surrogate: SURR: Toluene-d8	101 %	81-117								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	108 %	79-122								

Volatile Organics, Tentatively Identified Cmpds.

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Tentatively Identified Compounds	0.0		ug/L			1	EPA 8260C Certifications:	07/02/2021 05:00	07/02/2021 09:34	LLJ



Analytical Batch Summary

Batch ID: BG10009 **Preparation Method:** Analysis Preparation Soil **Prepared By:** ALH

YORK Sample ID	Client Sample ID	Preparation Date
21F1462-01	SB02_10-11	07/01/21
21F1462-02	SB03_2-3	07/01/21
BG10009-BLK1	Blank	07/01/21
BG10009-DUP1	Duplicate	07/01/21
BG10009-MS1	Matrix Spike	07/01/21

Batch ID: BG10053 **Preparation Method:** EPA 3550C **Prepared By:** MAM

YORK Sample ID	Client Sample ID	Preparation Date
21F1462-01	SB02_10-11	07/01/21
21F1462-01	SB02_10-11	07/01/21
21F1462-02	SB03_2-3	07/01/21
21F1462-02	SB03_2-3	07/01/21
BG10053-BLK1	Blank	07/01/21
BG10053-BLK2	Blank	07/01/21
BG10053-BS1	LCS	07/01/21
BG10053-BS2	LCS	07/01/21
BG10053-MS1	Matrix Spike	07/01/21
BG10053-MS2	Matrix Spike	07/01/21
BG10053-MSD1	Matrix Spike Dup	07/01/21
BG10053-MSD2	Matrix Spike Dup	07/01/21

Batch ID: BG10083 **Preparation Method:** EPA 5035A **Prepared By:** LLJ

YORK Sample ID	Client Sample ID	Preparation Date
21F1462-01	SB02_10-11	07/01/21
21F1462-02	SB03_2-3	07/01/21
BG10083-BLK1	Blank	07/01/21
BG10083-BLK2	Blank	07/01/21
BG10083-BLK3	Blank	07/01/21
BG10083-BS1	LCS	07/01/21
BG10083-BSD1	LCS Dup	07/01/21

Batch ID: BG10090 **Preparation Method:** EPA 3550C/8151A **Prepared By:** SJB

YORK Sample ID	Client Sample ID	Preparation Date
21F1462-01	SB02_10-11	07/02/21
21F1462-02	SB03_2-3	07/02/21
BG10090-BLK1	Blank	07/02/21
BG10090-BS1	LCS	07/02/21
BG10090-MS1	Matrix Spike	07/02/21
BG10090-MSD1	Matrix Spike Dup	07/02/21

**Batch ID:** BG10107**Preparation Method:** EPA SW846-3060**Prepared By:** OT

YORK Sample ID	Client Sample ID	Preparation Date
21F1462-01	SB02_10-11	07/02/21
21F1462-02	SB03_2-3	07/02/21
BG10107-BLK1	Blank	07/02/21
BG10107-DUP1	Duplicate	07/02/21
BG10107-MS1	Matrix Spike	07/02/21
BG10107-MS2	Matrix Spike	07/02/21
BG10107-SRM1	Reference	07/02/21

Batch ID: BG10143**Preparation Method:** EPA 3546 SVOA**Prepared By:** S_K

YORK Sample ID	Client Sample ID	Preparation Date
21F1462-01	SB02_10-11	07/03/21
21F1462-01	SB02_10-11	07/03/21
21F1462-02	SB03_2-3	07/03/21
21F1462-02	SB03_2-3	07/03/21
BG10143-MS1	Matrix Spike	07/02/21
BG10143-MSD1	Matrix Spike Dup	07/02/21

Batch ID: BG10146**Preparation Method:** EPA 5030B**Prepared By:** KHA

YORK Sample ID	Client Sample ID	Preparation Date
21F1462-03	Trip Blank	07/02/21
BG10146-BLK1	Blank	07/02/21
BG10146-BS1	LCS	07/02/21
BG10146-BSD1	LCS Dup	07/02/21

Batch ID: BG10221**Preparation Method:** % Solids Prep**Prepared By:** VR

YORK Sample ID	Client Sample ID	Preparation Date
21F1462-01	SB02_10-11	07/06/21
21F1462-02	SB03_2-3	07/06/21
BG10221-DUP1	Duplicate	07/06/21

Batch ID: BG10232**Preparation Method:** EPA 3050B**Prepared By:** BR

YORK Sample ID	Client Sample ID	Preparation Date
21F1462-01	SB02_10-11	07/06/21
21F1462-02	SB03_2-3	07/06/21
21F1462-02RE1	SB03_2-3	07/06/21
BG10232-BLK1	Blank	07/06/21
BG10232-DUP1	Duplicate	07/06/21
BG10232-MS1	Matrix Spike	07/06/21
BG10232-PS1	Post Spike	07/06/21
BG10232-SRM1	Reference	07/06/21



Batch ID: BG10283

Preparation Method: EPA 7473 soil

Prepared By: BR

YORK Sample ID	Client Sample ID	Preparation Date
21F1462-01	SB02_10-11	07/07/21
21F1462-02	SB03_2-3	07/07/21
BG10283-BLK1	Blank	07/07/21
BG10283-DUP1	Duplicate	07/07/21
BG10283-MS1	Matrix Spike	07/07/21
BG10283-SRM1	Reference	07/07/21

Batch ID: BG10354

Preparation Method: Analysis Preparation

Prepared By: PAM

YORK Sample ID	Client Sample ID	Preparation Date
21F1462-01	SB02_10-11	07/08/21
21F1462-02	SB03_2-3	07/08/21



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG10083 - EPA 5035A											
Blank (BG10083-BLK1)	Blank										Prepared & Analyzed: 07/01/2021
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
Tentatively Identified Compounds	0.0		ug/kg wet								
1,1,1-Trichloroethane	ND	0.0050	mg/kg wet								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								



Volatile Organic Compounds by GC/MS - Quality Control Data

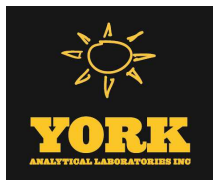
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG10083 - EPA 5035A

Blank (BG10083-BLK1)	Blank		Prepared & Analyzed: 07/01/2021								
Methylene chloride	ND	0.010	mg/kg wet								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	<i>51.5</i>		<i>ug/L</i>	<i>50.0</i>		<i>103</i>	<i>77-125</i>				
<i>Surrogate: SURR: Toluene-d8</i>	<i>48.8</i>		<i>"</i>	<i>50.0</i>		<i>97.7</i>	<i>85-120</i>				
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	<i>52.6</i>		<i>"</i>	<i>50.0</i>		<i>105</i>	<i>76-130</i>				

Blank (BG10083-BLK2)	HOLDING BLANK-21F1462		Prepared & Analyzed: 07/01/2021								
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
Tentatively Identified Compounds	0.0		ug/kg wet								
1,1,1-Trichloroethane	ND	0.0050	mg/kg wet								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								



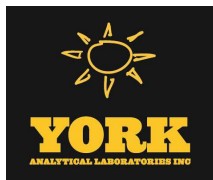
Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG10083 - EPA 5035A

Blank (BG10083-BLK2)		HOLDING BLANK-21F1462				Prepared & Analyzed: 07/01/2021					
Bromochloromethane	ND	0.0050	mg/kg wet								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	51.7		ug/L	50.0		103	77-125				
Surrogate: SURR: Toluene-d8	48.6		"	50.0		97.1	85-120				
Surrogate: SURR: p-Bromofluorobenzene	51.4		"	50.0		103	76-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG10083 - EPA 5035A											
Blank (BG10083-BLK3)	HOLDING BLANK-21F1318								Prepared & Analyzed: 07/01/2021		
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
Tentatively Identified Compounds	0.0		ug/kg wet								
1,1,1-Trichloroethane	ND	0.0050	mg/kg wet								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG10083 - EPA 5035A

Blank (BG10083-BLK3)	HOLDING BLANK-21F1318							Prepared & Analyzed: 07/01/2021			
n-Butylbenzene	ND	0.0050	mg/kg wet								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	<i>50.6</i>		<i>ug/L</i>	<i>50.0</i>		<i>101</i>	<i>77-125</i>				
<i>Surrogate: SURR: Toluene-d8</i>	<i>49.0</i>		<i>"</i>	<i>50.0</i>		<i>98.0</i>	<i>85-120</i>				
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	<i>51.6</i>		<i>"</i>	<i>50.0</i>		<i>103</i>	<i>76-130</i>				

LCS (BG10083-BS1)	LCS							Prepared & Analyzed: 07/01/2021			
1,1,1,2-Tetrachloroethane	59.9		ug/L	50.0		120	75-129				
1,1,1-Trichloroethane	61.8		"	50.0		124	71-137				
1,1,2,2-Tetrachloroethane	54.0		"	50.0		108	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	50.2		"	50.0		100	58-146				
1,1,2-Trichloroethane	54.0		"	50.0		108	83-123				
1,1-Dichloroethane	53.5		"	50.0		107	75-130				
1,1-Dichloroethylene	47.9		"	50.0		95.8	64-137				
1,2,3-Trichlorobenzene	56.0		"	50.0		112	81-140				
1,2,3-Trichloropropane	56.0		"	50.0		112	81-126				
1,2,4-Trichlorobenzene	56.0		"	50.0		112	80-141				
1,2,4-Trimethylbenzene	54.0		"	50.0		108	84-125				
1,2-Dibromo-3-chloropropane	63.1		"	50.0		126	74-142				
1,2-Dibromoethane	56.7		"	50.0		113	86-123				
1,2-Dichlorobenzene	55.0		"	50.0		110	85-122				
1,2-Dichloroethane	56.6		"	50.0		113	71-133				
1,2-Dichloropropane	49.8		"	50.0		99.5	81-122				
1,3,5-Trimethylbenzene	54.3		"	50.0		109	82-126				
1,3-Dichlorobenzene	54.4		"	50.0		109	84-124				
1,4-Dichlorobenzene	55.2		"	50.0		110	84-124				
1,4-Dioxane	1080		"	1050		102	10-228				
2-Butanone	53.5		"	50.0		107	58-147				
2-Hexanone	51.1		"	50.0		102	70-139				
4-Methyl-2-pentanone	49.3		"	50.0		98.7	72-132				
Acetone	55.2		"	50.0		110	36-155				
Acrolein	14.5		"	50.0		29.0	10-238				
Acrylonitrile	50.5		"	50.0		101	66-141				
Benzene	53.0		"	50.0		106	77-127				
Bromochloromethane	50.6		"	50.0		101	74-129				
Bromodichloromethane	59.7		"	50.0		119	81-124				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG10083 - EPA 5035A											
LCS (BG10083-BS1)	LCS		Prepared & Analyzed: 07/01/2021								
Bromoform	58.2		ug/L	50.0		116	80-136				
Bromomethane	57.5		"	50.0		115	32-177				
Carbon disulfide	61.8		"	50.0		124	10-136				
Carbon tetrachloride	59.0		"	50.0		118	66-143				
Chlorobenzene	53.2		"	50.0		106	86-120				
Chloroethane	55.2		"	50.0		110	51-142				
Chloroform	57.7		"	50.0		115	76-131				
Chloromethane	47.2		"	50.0		94.4	49-132				
cis-1,2-Dichloroethylene	53.6		"	50.0		107	74-132				
cis-1,3-Dichloropropylene	55.7		"	50.0		111	81-129				
Cyclohexane	48.6		"	50.0		97.3	70-130				
Dibromochloromethane	55.8		"	50.0		112	10-200				
Dibromomethane	54.4		"	50.0		109	83-124				
Dichlorodifluoromethane	41.6		"	50.0		83.2	28-158				
Ethyl Benzene	52.6		"	50.0		105	84-125				
Hexachlorobutadiene	59.1		"	50.0		118	83-133				
Isopropylbenzene	54.5		"	50.0		109	81-127				
Methyl acetate	46.5		"	50.0		93.1	41-143				
Methyl tert-butyl ether (MTBE)	56.0		"	50.0		112	74-131				
Methylcyclohexane	50.0		"	50.0		100	70-130				
Methylene chloride	50.3		"	50.0		101	57-141				
n-Butylbenzene	59.5		"	50.0		119	80-130				
n-Propylbenzene	52.4		"	50.0		105	74-136				
o-Xylene	53.2		"	50.0		106	83-123				
p- & m- Xylenes	107		"	100		107	82-128				
p-Isopropyltoluene	54.9		"	50.0		110	85-125				
sec-Butylbenzene	54.0		"	50.0		108	83-125				
Styrene	53.3		"	50.0		107	86-126				
tert-Butyl alcohol (TBA)	57.8		"	250		23.1	70-130	Low Bias			
tert-Butylbenzene	55.6		"	50.0		111	80-127				
Tetrachloroethylene	56.4		"	50.0		113	80-129				
Toluene	51.4		"	50.0		103	85-121				
trans-1,2-Dichloroethylene	53.1		"	50.0		106	72-132				
trans-1,3-Dichloropropylene	52.3		"	50.0		105	78-132				
Trichloroethylene	54.9		"	50.0		110	84-123				
Trichlorofluoromethane	52.7		"	50.0		105	62-140				
Vinyl Chloride	49.9		"	50.0		99.7	52-130				
Surrogate: SURR: 1,2-Dichloroethane-d4	52.2		"	50.0		104	77-125				
Surrogate: SURR: Toluene-d8	48.4		"	50.0		96.8	85-120				
Surrogate: SURR: p-Bromofluorobenzene	50.1		"	50.0		100	76-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG10083 - EPA 5035A											
LCS Dup (BG10083-BSD1)	LCS Dup		Prepared & Analyzed: 07/01/2021								
1,1,1,2-Tetrachloroethane	62.2		ug/L	50.0		124	75-129		3.78	30	
1,1,1-Trichloroethane	64.2		"	50.0		128	71-137		3.74	30	
1,1,2,2-Tetrachloroethane	55.0		"	50.0		110	79-129		1.76	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	50.9		"	50.0		102	58-146		1.40	30	
1,1,2-Trichloroethane	55.8		"	50.0		112	83-123		3.21	30	
1,1-Dichloroethane	55.6		"	50.0		111	75-130		3.80	30	
1,1-Dichloroethylene	49.8		"	50.0		99.6	64-137		3.87	30	
1,2,3-Trichlorobenzene	58.0		"	50.0		116	81-140		3.47	30	
1,2,3-Trichloropropane	58.2		"	50.0		116	81-126		3.80	30	
1,2,4-Trichlorobenzene	57.1		"	50.0		114	80-141		2.05	30	
1,2,4-Trimethylbenzene	55.2		"	50.0		110	84-125		2.22	30	
1,2-Dibromo-3-chloropropane	65.0		"	50.0		130	74-142		3.08	30	
1,2-Dibromoethane	58.7		"	50.0		117	86-123		3.45	30	
1,2-Dichlorobenzene	55.9		"	50.0		112	85-122		1.75	30	
1,2-Dichloroethane	60.0		"	50.0		120	71-133		5.92	30	
1,2-Dichloropropane	51.8		"	50.0		104	81-122		3.94	30	
1,3,5-Trimethylbenzene	55.4		"	50.0		111	82-126		2.04	30	
1,3-Dichlorobenzene	55.9		"	50.0		112	84-124		2.77	30	
1,4-Dichlorobenzene	56.8		"	50.0		114	84-124		2.86	30	
1,4-Dioxane	1070		"	1050		102	10-228		0.188	30	
2-Butanone	56.9		"	50.0		114	58-147		6.03	30	
2-Hexanone	54.4		"	50.0		109	70-139		6.37	30	
4-Methyl-2-pentanone	52.3		"	50.0		105	72-132		5.86	30	
Acetone	59.3		"	50.0		119	36-155		7.14	30	
Acrolein	16.0		"	50.0		32.0	10-238		9.70	30	
Acrylonitrile	53.0		"	50.0		106	66-141		4.83	30	
Benzene	54.7		"	50.0		109	77-127		3.06	30	
Bromochloromethane	53.2		"	50.0		106	74-129		5.07	30	
Bromodichloromethane	61.2		"	50.0		122	81-124		2.53	30	
Bromoform	59.5		"	50.0		119	80-136		2.24	30	
Bromomethane	59.4		"	50.0		119	32-177		3.18	30	
Carbon disulfide	64.6		"	50.0		129	10-136		4.50	30	
Carbon tetrachloride	61.2		"	50.0		122	66-143		3.83	30	
Chlorobenzene	54.4		"	50.0		109	86-120		2.23	30	
Chloroethane	56.6		"	50.0		113	51-142		2.56	30	
Chloroform	59.8		"	50.0		120	76-131		3.61	30	
Chloromethane	47.0		"	50.0		94.1	49-132		0.361	30	
cis-1,2-Dichloroethylene	56.8		"	50.0		114	74-132		5.83	30	
cis-1,3-Dichloropropylene	58.6		"	50.0		117	81-129		5.14	30	
Cyclohexane	50.5		"	50.0		101	70-130		3.71	30	
Dibromochloromethane	58.2		"	50.0		116	10-200		4.04	30	
Dibromomethane	56.0		"	50.0		112	83-124		2.90	30	
Dichlorodifluoromethane	43.9		"	50.0		87.9	28-158		5.50	30	
Ethyl Benzene	53.7		"	50.0		107	84-125		2.13	30	
Hexachlorobutadiene	59.6		"	50.0		119	83-133		0.842	30	
Isopropylbenzene	56.0		"	50.0		112	81-127		2.77	30	
Methyl acetate	50.5		"	50.0		101	41-143		8.22	30	
Methyl tert-butyl ether (MTBE)	58.6		"	50.0		117	74-131		4.56	30	
Methylcyclohexane	51.6		"	50.0		103	70-130		3.05	30	
Methylene chloride	52.0		"	50.0		104	57-141		3.17	30	
n-Butylbenzene	60.4		"	50.0		121	80-130		1.54	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG10083 - EPA 5035A

LCS Dup (BG10083-BSD1)	LCS Dup	Prepared & Analyzed: 07/01/2021									
n-Propylbenzene	54.0		ug/L	50.0		108	74-136		3.03	30	
o-Xylene	54.1		"	50.0		108	83-123		1.57	30	
p- & m- Xylenes	109		"	100		109	82-128		1.95	30	
p-Isopropyltoluene	55.6		"	50.0		111	85-125		1.43	30	
sec-Butylbenzene	55.4		"	50.0		111	83-125		2.63	30	
Styrene	55.0		"	50.0		110	86-126		3.23	30	
tert-Butyl alcohol (TBA)	60.8		"	250		24.3	70-130	Low Bias	5.14	30	
tert-Butylbenzene	57.1		"	50.0		114	80-127		2.75	30	
Tetrachloroethylene	58.3		"	50.0		117	80-129		3.35	30	
Toluene	52.9		"	50.0		106	85-121		2.82	30	
trans-1,2-Dichloroethylene	55.0		"	50.0		110	72-132		3.52	30	
trans-1,3-Dichloropropylene	54.5		"	50.0		109	78-132		4.08	30	
Trichloroethylene	55.4		"	50.0		111	84-123		0.762	30	
Trichlorofluoromethane	54.1		"	50.0		108	62-140		2.75	30	
Vinyl Chloride	52.6		"	50.0		105	52-130		5.35	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	52.7		"	50.0		105	77-125				
Surrogate: SURR: Toluene-d8	48.5		"	50.0		97.0	85-120				
Surrogate: SURR: p-Bromofluorobenzene	50.2		"	50.0		100	76-130				

Batch BG10146 - EPA 5030B

Blank (BG10146-BLK1)	Blank	Prepared & Analyzed: 07/02/2021									
1,1,1,2-Tetrachloroethane	ND	0.500	ug/L								
Tentatively Identified Compounds	0.0		"								
1,1,1-Trichloroethane	ND	0.500	"								
1,1,2,2-Tetrachloroethane	ND	0.500	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.500	"								
1,1,2-Trichloroethane	ND	0.500	"								
1,1-Dichloroethane	ND	0.500	"								
1,1-Dichloroethylene	ND	0.500	"								
1,2,3-Trichlorobenzene	ND	0.500	"								
1,2,3-Trichloropropane	ND	0.500	"								
1,2,4-Trichlorobenzene	ND	0.500	"								
1,2,4-Trimethylbenzene	ND	0.500	"								
1,2-Dibromo-3-chloropropane	ND	0.500	"								
1,2-Dibromoethane	ND	0.500	"								
1,2-Dichlorobenzene	ND	0.500	"								
1,2-Dichloroethane	ND	0.500	"								
1,2-Dichloropropane	ND	0.500	"								
1,3,5-Trimethylbenzene	ND	0.500	"								
1,3-Dichlorobenzene	ND	0.500	"								
1,4-Dichlorobenzene	ND	0.500	"								
1,4-Dioxane	ND	80.0	"								
2-Butanone	ND	0.500	"								
2-Hexanone	ND	0.500	"								
4-Methyl-2-pentanone	ND	0.500	"								
Acetone	ND	2.00	"								
Acrolein	ND	0.500	"								
Acrylonitrile	ND	0.500	"								
Benzene	ND	0.500	"								
Bromochloromethane	ND	0.500	"								



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG10146 - EPA 5030B

Blank (BG10146-BLK1)	Blank										Prepared & Analyzed: 07/02/2021
Bromodichloromethane	ND	0.500	ug/L								
Bromoform	ND	0.500	"								
Bromomethane	ND	0.500	"								
Carbon disulfide	ND	0.500	"								
Carbon tetrachloride	ND	0.500	"								
Chlorobenzene	ND	0.500	"								
Chloroethane	ND	0.500	"								
Chloroform	ND	0.500	"								
Chloromethane	ND	0.500	"								
cis-1,2-Dichloroethylene	ND	0.500	"								
cis-1,3-Dichloropropylene	ND	0.500	"								
Cyclohexane	ND	0.500	"								
Dibromochloromethane	ND	0.500	"								
Dibromomethane	ND	0.500	"								
Dichlorodifluoromethane	ND	0.500	"								
Ethyl Benzene	ND	0.500	"								
Hexachlorobutadiene	ND	0.500	"								
Isopropylbenzene	ND	0.500	"								
Methyl acetate	ND	0.500	"								
Methyl tert-butyl ether (MTBE)	ND	0.500	"								
Methylcyclohexane	ND	0.500	"								
Methylene chloride	ND	2.00	"								
n-Butylbenzene	ND	0.500	"								
n-Propylbenzene	ND	0.500	"								
o-Xylene	ND	0.500	"								
p- & m- Xylenes	ND	1.00	"								
p-Isopropyltoluene	ND	0.500	"								
sec-Butylbenzene	ND	0.500	"								
Styrene	ND	0.500	"								
tert-Butyl alcohol (TBA)	ND	1.00	"								
tert-Butylbenzene	ND	0.500	"								
Tetrachloroethylene	ND	0.500	"								
Toluene	ND	0.500	"								
trans-1,2-Dichloroethylene	ND	0.500	"								
trans-1,3-Dichloropropylene	ND	0.500	"								
Trichloroethylene	ND	0.500	"								
Trichlorofluoromethane	ND	0.500	"								
Vinyl Chloride	ND	0.500	"								
Xylenes, Total	ND	1.50	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	9.94		"	10.0		99.4	69-130				
Surrogate: SURR: Toluene-d8	10.0		"	10.0		100	81-117				
Surrogate: SURR: p-Bromofluorobenzene	10.9		"	10.0		109	79-122				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG10146 - EPA 5030B											
LCS (BG10146-BS1)	LCS		Prepared & Analyzed: 07/02/2021								
1,1,1,2-Tetrachloroethane	10.5		ug/L	10.0		105	82-126				
1,1,1-Trichloroethane	10.4		"	10.0		104	78-136				
1,1,2,2-Tetrachloroethane	11.1		"	10.0		111	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.8		"	10.0		118	54-165				
1,1,2-Trichloroethane	10.4		"	10.0		104	82-123				
1,1-Dichloroethane	10.6		"	10.0		106	82-129				
1,1-Dichloroethylene	11.6		"	10.0		116	68-138				
1,2,3-Trichlorobenzene	9.14		"	10.0		91.4	76-136				
1,2,3-Trichloropropane	10.8		"	10.0		108	77-128				
1,2,4-Trichlorobenzene	9.57		"	10.0		95.7	76-137				
1,2,4-Trimethylbenzene	11.9		"	10.0		119	82-132				
1,2-Dibromo-3-chloropropane	10.1		"	10.0		101	45-147				
1,2-Dibromoethane	10.4		"	10.0		104	83-124				
1,2-Dichlorobenzene	10.6		"	10.0		106	79-123				
1,2-Dichloroethane	10.4		"	10.0		104	73-132				
1,2-Dichloropropane	11.4		"	10.0		114	78-126				
1,3,5-Trimethylbenzene	12.0		"	10.0		120	80-131				
1,3-Dichlorobenzene	10.6		"	10.0		106	86-122				
1,4-Dichlorobenzene	10.7		"	10.0		107	85-124				
1,4-Dioxane	213		"	210		102	10-349				
2-Butanone	9.89		"	10.0		98.9	49-152				
2-Hexanone	11.9		"	10.0		119	51-146				
4-Methyl-2-pentanone	11.5		"	10.0		115	57-145				
Acetone	8.57		"	10.0		85.7	14-150				
Acrolein	6.04		"	10.0		60.4	10-153				
Acrylonitrile	10.8		"	10.0		108	51-150				
Benzene	10.8		"	10.0		108	85-126				
Bromochloromethane	11.6		"	10.0		116	77-128				
Bromodichloromethane	10.4		"	10.0		104	79-128				
Bromoform	9.81		"	10.0		98.1	78-133				
Bromomethane	2.79		"	10.0		27.9	43-168	Low Bias			
Carbon disulfide	11.4		"	10.0		114	68-146				
Carbon tetrachloride	10.6		"	10.0		106	77-141				
Chlorobenzene	10.7		"	10.0		107	88-120				
Chloroethane	11.0		"	10.0		110	65-136				
Chloroform	10.4		"	10.0		104	82-128				
Chloromethane	9.10		"	10.0		91.0	43-155				
cis-1,2-Dichloroethylene	11.1		"	10.0		111	83-129				
cis-1,3-Dichloropropylene	10.6		"	10.0		106	80-131				
Cyclohexane	9.06		"	10.0		90.6	63-149				
Dibromochloromethane	10.3		"	10.0		103	80-130				
Dibromomethane	10.4		"	10.0		104	72-134				
Dichlorodifluoromethane	10.9		"	10.0		109	44-144				
Ethyl Benzene	11.7		"	10.0		117	80-131				
Hexachlorobutadiene	13.8		"	10.0		138	67-146				
Isopropylbenzene	11.7		"	10.0		117	76-140				
Methyl acetate	10.1		"	10.0		101	51-139				
Methyl tert-butyl ether (MTBE)	10.3		"	10.0		103	76-135				
Methylcyclohexane	11.5		"	10.0		115	72-143				
Methylene chloride	11.9		"	10.0		119	55-137				
n-Butylbenzene	12.6		"	10.0		126	79-132				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG10146 - EPA 5030B											
LCS (BG10146-BS1)	LCS		Prepared & Analyzed: 07/02/2021								
n-Propylbenzene	12.0		ug/L	10.0		120	78-133				
o-Xylene	11.5		"	10.0		115	78-130				
p- & m- Xylenes	24.0		"	20.0		120	77-133				
p-Isopropyltoluene	11.6		"	10.0		116	81-136				
sec-Butylbenzene	12.2		"	10.0		122	79-137				
Styrene	11.3		"	10.0		113	67-132				
tert-Butyl alcohol (TBA)	45.8		"	50.0		91.6	25-162				
tert-Butylbenzene	9.64		"	10.0		96.4	77-138				
Tetrachloroethylene	9.55		"	10.0		95.5	82-131				
Toluene	11.2		"	10.0		112	80-127				
trans-1,2-Dichloroethylene	11.6		"	10.0		116	80-132				
trans-1,3-Dichloropropylene	10.7		"	10.0		107	78-131				
Trichloroethylene	10.7		"	10.0		107	82-128				
Trichlorofluoromethane	11.3		"	10.0		113	67-139				
Vinyl Chloride	10.3		"	10.0		103	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	9.88		"	10.0		98.8	69-130				
Surrogate: SURR: Toluene-d8	10.1		"	10.0		101	81-117				
Surrogate: SURR: p-Bromofluorobenzene	10.8		"	10.0		108	79-122				
LCS Dup (BG10146-BSD1)	LCS Dup		Prepared & Analyzed: 07/02/2021								
1,1,1,2-Tetrachloroethane	10.6		ug/L	10.0		106	82-126		1.04	30	
1,1,1-Trichloroethane	10.6		"	10.0		106	78-136		2.19	30	
1,1,2,2-Tetrachloroethane	11.2		"	10.0		112	76-129		0.358	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12.2		"	10.0		122	54-165		2.83	30	
1,1,2-Trichloroethane	10.2		"	10.0		102	82-123		1.74	30	
1,1-Dichloroethane	10.8		"	10.0		108	82-129		1.31	30	
1,1-Dichloroethylene	11.8		"	10.0		118	68-138		1.28	30	
1,2,3-Trichlorobenzene	9.12		"	10.0		91.2	76-136		0.219	30	
1,2,3-Trichloropropane	10.5		"	10.0		105	77-128		3.20	30	
1,2,4-Trichlorobenzene	9.66		"	10.0		96.6	76-137		0.936	30	
1,2,4-Trimethylbenzene	12.1		"	10.0		121	82-132		2.00	30	
1,2-Dibromo-3-chloropropane	9.92		"	10.0		99.2	45-147		1.40	30	
1,2-Dibromoethane	10.2		"	10.0		102	83-124		1.94	30	
1,2-Dichlorobenzene	10.7		"	10.0		107	79-123		0.655	30	
1,2-Dichloroethane	10.2		"	10.0		102	73-132		1.17	30	
1,2-Dichloropropane	11.5		"	10.0		115	78-126		0.959	30	
1,3,5-Trimethylbenzene	12.3		"	10.0		123	80-131		1.89	30	
1,3-Dichlorobenzene	10.9		"	10.0		109	86-122		2.32	30	
1,4-Dichlorobenzene	10.7		"	10.0		107	85-124		0.748	30	
1,4-Dioxane	218		"	210		104	10-349		1.98	30	
2-Butanone	9.60		"	10.0		96.0	49-152		2.98	30	
2-Hexanone	11.6		"	10.0		116	51-146		2.64	30	
4-Methyl-2-pentanone	11.1		"	10.0		111	57-145		3.27	30	
Acetone	8.09		"	10.0		80.9	14-150		5.76	30	
Acrolein	5.73		"	10.0		57.3	10-153		5.27	30	
Acrylonitrile	10.5		"	10.0		105	51-150		3.18	30	
Benzene	10.9		"	10.0		109	85-126		0.920	30	
Bromochloromethane	11.4		"	10.0		114	77-128		1.74	30	
Bromodichloromethane	10.5		"	10.0		105	79-128		0.478	30	
Bromoform	9.74		"	10.0		97.4	78-133		0.716	30	
Bromomethane	3.81		"	10.0		38.1	43-168	Low Bias	30.9	30	Non-dir.



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG10146 - EPA 5030B											
LCS Dup (BG10146-BSD1)	LCS Dup		Prepared & Analyzed: 07/02/2021								
Carbon disulfide	11.6		ug/L	10.0		116	68-146		1.92	30	
Carbon tetrachloride	10.9		"	10.0		109	77-141		2.61	30	
Chlorobenzene	10.8		"	10.0		108	88-120		1.30	30	
Chloroethane	11.0		"	10.0		110	65-136		0.00	30	
Chloroform	10.5		"	10.0		105	82-128		1.34	30	
Chloromethane	9.44		"	10.0		94.4	43-155		3.67	30	
cis-1,2-Dichloroethylene	11.2		"	10.0		112	83-129		0.630	30	
cis-1,3-Dichloropropylene	10.8		"	10.0		108	80-131		1.03	30	
Cyclohexane	9.23		"	10.0		92.3	63-149		1.86	30	
Dibromochloromethane	10.2		"	10.0		102	80-130		0.685	30	
Dibromomethane	10.4		"	10.0		104	72-134		0.480	30	
Dichlorodifluoromethane	11.2		"	10.0		112	44-144		2.72	30	
Ethyl Benzene	11.8		"	10.0		118	80-131		0.853	30	
Hexachlorobutadiene	14.0		"	10.0		140	67-146		1.80	30	
Isopropylbenzene	12.1		"	10.0		121	76-140		3.53	30	
Methyl acetate	10.1		"	10.0		101	51-139		0.396	30	
Methyl tert-butyl ether (MTBE)	10.0		"	10.0		100	76-135		2.56	30	
Methylcyclohexane	11.7		"	10.0		117	72-143		1.80	30	
Methylene chloride	11.9		"	10.0		119	55-137		0.00	30	
n-Butylbenzene	12.8		"	10.0		128	79-132		1.41	30	
n-Propylbenzene	12.4		"	10.0		124	78-133		2.95	30	
o-Xylene	11.5		"	10.0		115	78-130		0.00	30	
p- & m- Xylenes	24.2		"	20.0		121	77-133		0.704	30	
p-Isopropyltoluene	11.9		"	10.0		119	81-136		2.99	30	
sec-Butylbenzene	12.5		"	10.0		125	79-137		2.60	30	
Styrene	11.3		"	10.0		113	67-132		0.00	30	
tert-Butyl alcohol (TBA)	46.8		"	50.0		93.7	25-162		2.29	30	
tert-Butylbenzene	9.88		"	10.0		98.8	77-138		2.46	30	
Tetrachloroethylene	9.74		"	10.0		97.4	82-131		1.97	30	
Toluene	11.4		"	10.0		114	80-127		1.86	30	
trans-1,2-Dichloroethylene	11.9		"	10.0		119	80-132		2.21	30	
trans-1,3-Dichloropropylene	10.7		"	10.0		107	78-131		0.0937	30	
Trichloroethylene	11.1		"	10.0		111	82-128		3.40	30	
Trichlorofluoromethane	11.6		"	10.0		116	67-139		2.37	30	
Vinyl Chloride	11.0		"	10.0		110	58-145		6.74	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	9.87		"	10.0		98.7	69-130				
Surrogate: SURR: Toluene-d8	10.0		"	10.0		100	81-117				
Surrogate: SURR: p-Bromofluorobenzene	11.0		"	10.0		110	79-122				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG10143 - EPA 3546 SVOA											
Matrix Spike (BG10143-MS1)	Matrix Spike	*Source sample: 21F1470-03 (Matrix Spike)						Prepared: 07/02/2021 Analyzed: 07/06/2021			
1,1-Biphenyl	0.589	0.0866	mg/kg dry	0.865	ND	68.1	10-130				
1,2,4,5-Tetrachlorobenzene	0.609	0.173	"	0.865	ND	70.4	10-133				
1,2-Diphenylhydrazine (as Azobenzene)	0.524	0.0866	"	0.865	ND	60.6	10-144				
2,3,4,6-Tetrachlorophenol	0.538	0.173	"	0.865	ND	62.2	30-130				
2,4,5-Trichlorophenol	0.634	0.0866	"	0.865	ND	73.3	10-127				
2,4,6-Trichlorophenol	0.618	0.0866	"	0.865	ND	71.4	10-132				
2,4-Dichlorophenol	0.551	0.0866	"	0.865	ND	63.7	10-128				
2,4-Dimethylphenol	0.473	0.0866	"	0.865	ND	54.7	10-137				
2,4-Dinitrophenol	0.480	0.173	"	0.865	ND	55.5	10-171				
2,4-Dinitrotoluene	0.724	0.0866	"	0.865	ND	83.7	16-135				
2,6-Dinitrotoluene	0.726	0.0866	"	0.865	ND	84.0	18-131				
2-Chloronaphthalene	0.605	0.0866	"	0.865	ND	69.9	10-129				
2-Chlorophenol	0.580	0.0866	"	0.865	ND	67.0	15-116				
2-Methylnaphthalene	0.610	0.0866	"	0.865	ND	70.6	10-147				
2-Methylphenol	0.539	0.0866	"	0.865	ND	62.3	10-136				
2-Nitroaniline	0.686	0.173	"	0.865	ND	79.3	10-137				
2-Nitrophenol	0.688	0.0866	"	0.865	ND	79.5	10-129				
3- & 4-Methylphenols	0.476	0.0866	"	0.865	ND	55.0	10-123				
3,3-Dichlorobenzidine	0.504	0.0866	"	0.865	ND	58.3	10-155				
3-Nitroaniline	0.622	0.173	"	0.865	ND	71.9	12-133				
4,6-Dinitro-2-methylphenol	0.641	0.173	"	0.865	ND	74.1	10-155				
4-Bromophenyl phenyl ether	0.628	0.0866	"	0.865	ND	72.6	14-128				
4-Chloro-3-methylphenol	0.509	0.0866	"	0.865	ND	58.9	10-134				
4-Chloroaniline	0.504	0.0866	"	0.865	ND	58.2	10-145				
4-Chlorophenyl phenyl ether	0.580	0.0866	"	0.865	ND	67.0	14-130				
4-Nitroaniline	0.607	0.173	"	0.865	ND	70.2	10-147				
4-Nitrophenol	0.495	0.173	"	0.865	ND	57.2	10-137				
Acenaphthene	0.569	0.0866	"	0.865	ND	65.8	10-146				
Acenaphthylene	0.592	0.0866	"	0.865	ND	68.4	10-134				
Acetophenone	0.558	0.0866	"	0.865	ND	64.5	10-116				
Aniline	0.546	0.347	"	0.865	ND	63.1	10-123				
Anthracene	0.623	0.0866	"	0.865	ND	72.0	10-142				
Atrazine	0.616	0.0866	"	0.865	ND	71.2	19-115				
Benzaldehyde	0.594	0.0866	"	0.865	ND	68.7	10-125				
Benzo(a)anthracene	0.666	0.0866	"	0.865	ND	77.0	10-158				
Benzo(a)pyrene	0.666	0.0866	"	0.865	ND	77.0	10-180				
Benzo(b)fluoranthene	0.673	0.0866	"	0.865	ND	77.8	10-200				
Benzo(g,h,i)perylene	0.699	0.0866	"	0.865	ND	80.9	10-138				
Benzo(k)fluoranthene	0.608	0.0866	"	0.865	ND	70.3	10-197				
Benzoic acid	0.383	0.0866	"	0.865	ND	44.2	10-166				
Benzyl alcohol	0.611	0.0866	"	0.865	ND	70.6	12-124				
Benzyl butyl phthalate	0.676	0.0866	"	0.865	ND	78.2	10-154				
Bis(2-chloroethoxy)methane	0.513	0.0866	"	0.865	ND	59.4	10-132				
Bis(2-chloroethyl)ether	0.510	0.0866	"	0.865	ND	59.0	10-119				
Bis(2-chloroisopropyl)ether	0.434	0.0866	"	0.865	ND	50.2	10-139				
Bis(2-ethylhexyl)phthalate	0.720	0.0866	"	0.865	ND	83.3	10-167				
Caprolactam	0.578	0.173	"	0.865	ND	66.8	10-132				
Carbazole	0.604	0.0866	"	0.865	ND	69.8	10-167				
Chrysene	0.662	0.0866	"	0.865	ND	76.6	10-156				
Dibenzo(a,h)anthracene	0.681	0.0866	"	0.865	ND	78.7	10-137				
Dibenzofuran	0.596	0.0866	"	0.865	ND	68.9	10-147				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG10143 - EPA 3546 SVOA

Matrix Spike (BG10143-MS1)	Matrix Spike	*Source sample: 21F1470-03 (Matrix Spike)						Prepared: 07/02/2021 Analyzed: 07/06/2021			
Diethyl phthalate	0.585	0.0866	mg/kg dry	0.865	ND	67.7	20-120				
Dimethyl phthalate	0.625	0.0866	"	0.865	ND	72.2	18-131				
Di-n-butyl phthalate	0.652	0.0866	"	0.865	ND	75.4	10-137				
Di-n-octyl phthalate	0.712	0.0866	"	0.865	ND	82.3	10-180				
Diphenylamine	0.705	0.173	"	0.865	ND	81.5	40-140				
Fluoranthene	0.611	0.0866	"	0.865	ND	70.6	10-160				
Fluorene	0.595	0.0866	"	0.865	ND	68.8	10-157				
Hexachlorobenzene	0.472	0.0866	"	0.865	ND	54.6	10-137				
Hexachlorobutadiene	0.534	0.0866	"	0.865	ND	61.8	10-132				
Hexachlorocyclopentadiene	0.294	0.0866	"	0.865	ND	34.0	10-106				
Hexachloroethane	0.526	0.0866	"	0.865	ND	60.8	10-110				
Indeno(1,2,3-cd)pyrene	0.700	0.0866	"	0.865	ND	81.0	10-144				
Isophorone	0.479	0.0866	"	0.865	ND	55.4	10-132				
Naphthalene	0.576	0.0866	"	0.865	ND	66.6	10-141				
Nitrobenzene	0.529	0.0866	"	0.865	ND	61.2	10-131				
N-Nitrosodimethylamine	0.494	0.0866	"	0.865	ND	57.1	10-126				
N-nitroso-di-n-propylamine	0.444	0.0866	"	0.865	ND	51.4	10-125				
N-Nitrosodiphenylamine	0.666	0.0866	"	0.865	ND	77.0	10-177				
Pentachlorophenol	0.332	0.0866	"	0.865	ND	38.4	10-153				
Phenanthrene	0.605	0.0866	"	0.865	ND	70.0	10-148				
Phenol	0.603	0.0866	"	0.865	ND	69.8	10-126				
Pyrene	0.649	0.0866	"	0.865	ND	75.0	10-165				
Pyridine	0.329	0.347	"	0.865	ND	38.1	10-83				
Surrogate: SURR: 2-Fluorophenol	1.15		"	1.73		66.4	20-108				
Surrogate: SURR: Phenol-d5	1.10		"	1.73		63.4	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.540		"	0.865		62.4	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.596		"	0.865		68.9	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	1.39		"	1.73		80.4	19-110				
Surrogate: SURR: Terphenyl-d14	0.859		"	0.865		99.3	24-116				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG10143 - EPA 3546 SVOA											
Matrix Spike Dup (BG10143-1) Matrix Spike Dup						Source sample: 21F1470-03 (Matrix Spike Dup) Prepared: 07/02/2021 Analyzed: 07/06/2021					
1,1-Biphenyl	0.562	0.0866	mg/kg dry	0.865	ND	65.0	10-130		4.57	30	
1,2,4,5-Tetrachlorobenzene	0.625	0.173	"	0.865	ND	72.2	10-133		2.58	30	
1,2-Diphenylhydrazine (as Azobenzene)	0.526	0.0866	"	0.865	ND	60.8	10-144		0.263	30	
2,3,4,6-Tetrachlorophenol	0.503	0.173	"	0.865	ND	58.2	30-130		6.78	30	
2,4,5-Trichlorophenol	0.615	0.0866	"	0.865	ND	71.1	10-127		2.99	30	
2,4,6-Trichlorophenol	0.596	0.0866	"	0.865	ND	68.9	10-132		3.65	30	
2,4-Dichlorophenol	0.542	0.0866	"	0.865	ND	62.6	10-128		1.65	30	
2,4-Dimethylphenol	0.450	0.0866	"	0.865	ND	52.1	10-137		4.94	30	
2,4-Dinitrophenol	0.438	0.173	"	0.865	ND	50.6	10-171		9.19	30	
2,4-Dinitrotoluene	0.712	0.0866	"	0.865	ND	82.3	16-135		1.64	30	
2,6-Dinitrotoluene	0.761	0.0866	"	0.865	ND	88.0	18-131		4.65	30	
2-Chloronaphthalene	0.594	0.0866	"	0.865	ND	68.7	10-129		1.73	30	
2-Chlorophenol	0.573	0.0866	"	0.865	ND	66.2	15-116		1.20	30	
2-Methylnaphthalene	0.586	0.0866	"	0.865	ND	67.8	10-147		4.05	30	
2-Methylphenol	0.547	0.0866	"	0.865	ND	63.2	10-136		1.40	30	
2-Nitroaniline	0.659	0.173	"	0.865	ND	76.2	10-137		4.01	30	
2-Nitrophenol	0.651	0.0866	"	0.865	ND	75.3	10-129		5.48	30	
3- & 4-Methylphenols	0.484	0.0866	"	0.865	ND	56.0	10-123		1.73	30	
3,3-Dichlorobenzidine	0.487	0.0866	"	0.865	ND	56.3	10-155		3.49	30	
3-Nitroaniline	0.607	0.173	"	0.865	ND	70.2	12-133		2.48	30	
4,6-Dinitro-2-methylphenol	0.669	0.173	"	0.865	ND	77.4	10-155		4.33	30	
4-Bromophenyl phenyl ether	0.598	0.0866	"	0.865	ND	69.2	14-128		4.85	30	
4-Chloro-3-methylphenol	0.511	0.0866	"	0.865	ND	59.1	10-134		0.407	30	
4-Chloroaniline	0.505	0.0866	"	0.865	ND	58.4	10-145		0.274	30	
4-Chlorophenyl phenyl ether	0.586	0.0866	"	0.865	ND	67.8	14-130		1.07	30	
4-Nitroaniline	0.592	0.173	"	0.865	ND	68.5	10-147		2.42	30	
4-Nitrophenol	0.442	0.173	"	0.865	ND	51.1	10-137		11.2	30	
Acenaphthene	0.557	0.0866	"	0.865	ND	64.4	10-146		2.09	30	
Acenaphthylene	0.594	0.0866	"	0.865	ND	68.7	10-134		0.467	30	
Acetophenone	0.571	0.0866	"	0.865	ND	66.1	10-116		2.45	30	
Aniline	0.525	0.347	"	0.865	ND	60.7	10-123		3.88	30	
Anthracene	0.602	0.0866	"	0.865	ND	69.6	10-142		3.39	30	
Atrazine	0.590	0.0866	"	0.865	ND	68.2	19-115		4.25	30	
Benzaldehyde	0.624	0.0866	"	0.865	ND	72.2	10-125		4.88	30	
Benzo(a)anthracene	0.655	0.0866	"	0.865	ND	75.7	10-158		1.78	30	
Benzo(a)pyrene	0.654	0.0866	"	0.865	ND	75.6	10-180		1.78	30	
Benzo(b)fluoranthene	0.664	0.0866	"	0.865	ND	76.7	10-200		1.35	30	
Benzo(g,h,i)perylene	0.687	0.0866	"	0.865	ND	79.4	10-138		1.80	30	
Benzo(k)fluoranthene	0.611	0.0866	"	0.865	ND	70.6	10-197		0.454	30	
Benzoic acid	0.336	0.0866	"	0.865	ND	38.8	10-166		13.1	30	
Benzyl alcohol	0.635	0.0866	"	0.865	ND	73.4	12-124		3.89	30	
Benzyl butyl phthalate	0.678	0.0866	"	0.865	ND	78.4	10-154		0.307	30	
Bis(2-chloroethoxy)methane	0.497	0.0866	"	0.865	ND	57.5	10-132		3.15	30	
Bis(2-chloroethyl)ether	0.545	0.0866	"	0.865	ND	63.0	10-119		6.56	30	
Bis(2-chloroisopropyl)ether	0.422	0.0866	"	0.865	ND	48.8	10-139		2.75	30	
Bis(2-ethylhexyl)phthalate	0.735	0.0866	"	0.865	ND	85.0	10-167		2.00	30	
Caprolactam	0.574	0.173	"	0.865	ND	66.4	10-132		0.601	30	
Carbazole	0.576	0.0866	"	0.865	ND	66.6	10-167		4.81	30	
Chrysene	0.660	0.0866	"	0.865	ND	76.3	10-156		0.314	30	
Dibenzo(a,h)anthracene	0.657	0.0866	"	0.865	ND	75.9	10-137		3.62	30	
Dibenzofuran	0.590	0.0866	"	0.865	ND	68.2	10-147		0.933	30	



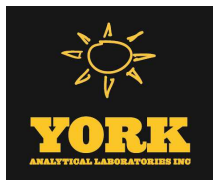
Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG10143 - EPA 3546 SVOA

Matrix Spike Dup (BG10143-1)						Source sample: 21F1470-03 (Matrix Spike Dup)						Prepared: 07/02/2021 Analyzed: 07/06/2021	
Diethyl phthalate	0.587	0.0866	mg/kg dry	0.865	ND	67.9	20-120		0.354	30			
Dimethyl phthalate	0.591	0.0866	"	0.865	ND	68.3	18-131		5.58	30			
Di-n-butyl phthalate	0.652	0.0866	"	0.865	ND	75.4	10-137		0.106	30			
Di-n-octyl phthalate	0.705	0.0866	"	0.865	ND	81.5	10-180		0.977	30			
Diphenylamine	0.701	0.173	"	0.865	ND	81.0	40-140		0.591	30			
Fluoranthene	0.608	0.0866	"	0.865	ND	70.3	10-160		0.454	30			
Fluorene	0.592	0.0866	"	0.865	ND	68.4	10-157		0.583	30			
Hexachlorobenzene	0.490	0.0866	"	0.865	ND	56.6	10-137		3.74	30			
Hexachlorobutadiene	0.527	0.0866	"	0.865	ND	60.9	10-132		1.44	30			
Hexachlorocyclopentadiene	0.268	0.0866	"	0.865	ND	31.0	10-106		9.36	30			
Hexachloroethane	0.567	0.0866	"	0.865	ND	65.6	10-110		7.59	30			
Indeno(1,2,3-cd)pyrene	0.695	0.0866	"	0.865	ND	80.4	10-144		0.694	30			
Isophorone	0.493	0.0866	"	0.865	ND	57.0	10-132		2.70	30			
Naphthalene	0.548	0.0866	"	0.865	ND	63.4	10-141		5.05	30			
Nitrobenzene	0.487	0.0866	"	0.865	ND	56.3	10-131		8.30	30			
N-Nitrosodimethylamine	0.495	0.0866	"	0.865	ND	57.2	10-126		0.140	30			
N-nitroso-di-n-propylamine	0.434	0.0866	"	0.865	ND	50.2	10-125		2.20	30			
N-Nitrosodiphenylamine	0.661	0.0866	"	0.865	ND	76.5	10-177		0.626	30			
Pentachlorophenol	0.333	0.0866	"	0.865	ND	38.5	10-153		0.208	30			
Phenanthrene	0.590	0.0866	"	0.865	ND	68.2	10-148		2.55	30			
Phenol	0.625	0.0866	"	0.865	ND	72.2	10-126		3.49	30			
Pyrene	0.675	0.0866	"	0.865	ND	78.1	10-165		3.97	30			
Pyridine	0.324	0.347	"	0.865	ND	37.5	10-83		1.48	30			
Surrogate: SURR: 2-Fluorophenol	1.19		"	1.73		69.0	20-108						
Surrogate: SURR: Phenol-d5	1.14		"	1.73		66.1	23-114						
Surrogate: SURR: Nitrobenzene-d5	0.551		"	0.865		63.8	22-108						
Surrogate: SURR: 2-Fluorobiphenyl	0.637		"	0.865		73.6	21-113						
Surrogate: SURR: 2,4,6-Tribromophenol	1.41		"	1.73		81.3	19-110						
Surrogate: SURR: Terphenyl-d14	0.937		"	0.865		108	24-116						



Organochlorine Pesticides by GC/ECD - Quality Control Data

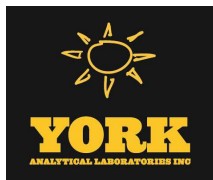
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG10053 - EPA 3550C

Blank (BG10053-BLK1)	Blank		Prepared: 07/01/2021 Analyzed: 07/02/2021								
4,4'-DDD	ND	0.00164	mg/kg wet								
4,4'-DDE	ND	0.00164	"								
4,4'-DDT	ND	0.00164	"								
Aldrin	ND	0.00164	"								
alpha-BHC	ND	0.00164	"								
alpha-Chlordane	ND	0.00164	"								
beta-BHC	ND	0.00164	"								
Chlordane, total	ND	0.0329	"								
delta-BHC	ND	0.00164	"								
Dieldrin	ND	0.00164	"								
Endosulfan I	ND	0.00164	"								
Endosulfan II	ND	0.00164	"								
Endosulfan sulfate	ND	0.00164	"								
Endrin	ND	0.00164	"								
Endrin aldehyde	ND	0.00164	"								
Endrin ketone	ND	0.00164	"								
gamma-BHC (Lindane)	ND	0.00164	"								
gamma-Chlordane	ND	0.00164	"								
Heptachlor	ND	0.00164	"								
Heptachlor epoxide	ND	0.00164	"								
Methoxychlor	ND	0.00822	"								
Toxaphene	ND	0.0832	"								
Surrogate: Decachlorobiphenyl	0.0452		"	0.0664		68.0	30-150				
Surrogate: Tetrachloro-m-xylene	0.0539		"	0.0664		81.1	30-150				

LCS (BG10053-BS1)	LCS		Prepared: 07/01/2021 Analyzed: 07/02/2021								
4,4'-DDD	0.0332	0.00164	mg/kg wet	0.0332		99.9	40-140				
4,4'-DDE	0.0218	0.00164	"	0.0332		65.7	40-140				
4,4'-DDT	0.0184	0.00164	"	0.0332		55.3	40-140				
Aldrin	0.0350	0.00164	"	0.0332		105	40-140				
alpha-BHC	0.0305	0.00164	"	0.0332		91.8	40-140				
alpha-Chlordane	0.0346	0.00164	"	0.0332		104	40-140				
beta-BHC	0.0336	0.00164	"	0.0332		101	40-140				
delta-BHC	0.0319	0.00164	"	0.0332		96.0	40-140				
Dieldrin	0.0354	0.00164	"	0.0332		107	40-140				
Endosulfan I	0.0445	0.00164	"	0.0332		134	40-140				
Endosulfan II	0.0371	0.00164	"	0.0332		112	40-140				
Endosulfan sulfate	0.0325	0.00164	"	0.0332		98.0	40-140				
Endrin	0.0287	0.00164	"	0.0332		86.3	40-140				
Endrin aldehyde	0.0353	0.00164	"	0.0332		106	40-140				
Endrin ketone	0.0339	0.00164	"	0.0332		102	40-140				
gamma-BHC (Lindane)	0.0319	0.00164	"	0.0332		96.0	40-140				
gamma-Chlordane	0.0348	0.00164	"	0.0332		105	40-140				
Heptachlor	0.0383	0.00164	"	0.0332		115	40-140				
Heptachlor epoxide	0.0360	0.00164	"	0.0332		108	40-140				
Methoxychlor	0.0164	0.00822	"	0.0332		49.3	40-140				
Surrogate: Decachlorobiphenyl	0.0547		"	0.0664		82.4	30-150				
Surrogate: Tetrachloro-m-xylene	0.0652		"	0.0664		98.1	30-150				



Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG10053 - EPA 3550C

Matrix Spike (BG10053-MS1)	Matrix Spike	*Source sample: 21F1448-01 (Matrix Spike)					Prepared: 07/01/2021 Analyzed: 07/07/2021				
4,4'-DDD	0.0329	0.00259	mg/kg dry	0.0523		62.9	30-150				
4,4'-DDE	0.0245	0.00259	"	0.0523		46.9	30-150				
4,4'-DDT	0.0246	0.00259	"	0.0523		47.1	30-150				
Aldrin	0.0242	0.00259	"	0.0523		46.4	30-150				
alpha-BHC	0.0337	0.00259	"	0.0523		64.4	30-150				
alpha-Chlordane	0.0321	0.00259	"	0.0523		61.5	30-150				
beta-BHC	0.0318	0.00259	"	0.0523		60.8	30-150				
delta-BHC	0.0244	0.00259	"	0.0523		46.7	30-150				
Dieldrin	0.0352	0.00259	"	0.0523		67.4	30-150				
Endosulfan I	0.0358	0.00259	"	0.0523		68.5	30-150				
Endosulfan II	0.0358	0.00259	"	0.0523		68.5	30-150				
Endosulfan sulfate	0.0323	0.00259	"	0.0523		61.8	30-150				
Endrin	0.0344	0.00259	"	0.0523		65.8	30-150				
Endrin aldehyde	0.0252	0.00259	"	0.0523		48.3	30-150				
Endrin ketone	0.0349	0.00259	"	0.0523		66.7	30-150				
gamma-BHC (Lindane)	0.0306	0.00259	"	0.0523		58.5	30-150				
gamma-Chlordane	0.0356	0.00259	"	0.0523		68.1	30-150				
Heptachlor	0.0360	0.00259	"	0.0523		68.9	30-150				
Heptachlor epoxide	0.0317	0.00259	"	0.0523		60.6	30-150				
Methoxychlor	0.0273	0.0129	"	0.0523		52.3	30-150				
Surrogate: Decachlorobiphenyl	0.0603		"	0.105		57.7	30-150				
Surrogate: Tetrachloro-m-xylene	0.0532		"	0.105		50.9	30-150				

Matrix Spike Dup (BG10053-1)	Matrix Spike Dup	*Source sample: 21F1448-01 (Matrix Spike Dup)					Prepared: 07/01/2021 Analyzed: 07/07/2021				
4,4'-DDD	0.0299	0.00259	mg/kg dry	0.0523		57.1	30-150	9.71	30		
4,4'-DDE	0.0235	0.00259	"	0.0523		45.0	30-150	4.23	30		
4,4'-DDT	0.0229	0.00259	"	0.0523		43.7	30-150	7.46	30		
Aldrin	0.0258	0.00259	"	0.0523		49.3	30-150	6.10	30		
alpha-BHC	0.0310	0.00259	"	0.0523		59.2	30-150	8.44	30		
alpha-Chlordane	0.0314	0.00259	"	0.0523		60.0	30-150	2.45	30		
beta-BHC	0.0290	0.00259	"	0.0523		55.4	30-150	9.22	30		
delta-BHC	0.0223	0.00259	"	0.0523		42.6	30-150	9.18	30		
Dieldrin	0.0321	0.00259	"	0.0523		61.4	30-150	9.26	30		
Endosulfan I	0.0345	0.00259	"	0.0523		66.0	30-150	3.79	30		
Endosulfan II	0.0324	0.00259	"	0.0523		61.9	30-150	10.2	30		
Endosulfan sulfate	0.0291	0.00259	"	0.0523		55.6	30-150	10.5	30		
Endrin	0.0314	0.00259	"	0.0523		60.0	30-150	9.19	30		
Endrin aldehyde	0.0233	0.00259	"	0.0523		44.6	30-150	7.92	30		
Endrin ketone	0.0311	0.00259	"	0.0523		59.4	30-150	11.6	30		
gamma-BHC (Lindane)	0.0280	0.00259	"	0.0523		53.5	30-150	8.95	30		
gamma-Chlordane	0.0348	0.00259	"	0.0523		66.6	30-150	2.29	30		
Heptachlor	0.0332	0.00259	"	0.0523		63.5	30-150	8.21	30		
Heptachlor epoxide	0.0295	0.00259	"	0.0523		56.4	30-150	7.23	30		
Methoxychlor	0.0247	0.0129	"	0.0523		47.2	30-150	10.3	30		
Surrogate: Decachlorobiphenyl	0.0553		"	0.105		52.9	30-150				
Surrogate: Tetrachloro-m-xylene	0.0484		"	0.105		46.2	30-150				



Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch Y1D0212 - BC11630

Performance Mix (Y1D0212-F Performance Mix						Prepared & Analyzed: 04/01/2021					
4,4'-DDD	10.7		ng/mL	0.00			0-200				
4,4'-DDE	0.811		"	0.00			0-200				
4,4'-DDT	247		"	200		123	0-200				
Endrin	129		"	100		129	0-200				
Endrin aldehyde	0.667		"	0.00			0-200				
Endrin ketone	2.54		"	0.00			0-200				

Batch Y1G0613 - BE10937

Performance Mix (Y1G0613-F Performance Mix						Prepared & Analyzed: 07/02/2021					
4,4'-DDD	12.5		ng/mL	0.00			0-200				
4,4'-DDE	1.50		"	0.00			0-200				
4,4'-DDT	176		"	200		88.0	0-200				
Endrin	101		"	100		101	0-200				
Endrin aldehyde	0.933		"	0.00			0-200				
Endrin ketone	5.65		"	0.00			0-200				

Batch Y1G0810 - BE10937

Performance Mix (Y1G0810-F Performance Mix						Prepared & Analyzed: 07/07/2021					
4,4'-DDD	20.3		ng/mL	0.00			0-200				
4,4'-DDE	1.74		"	0.00			0-200				
4,4'-DDT	173		"	200		86.3	0-200				
Endrin	111		"	100		111	0-200				
Endrin aldehyde	2.61		"	0.00			0-200				
Endrin ketone	11.8		"	0.00			0-200				



Polychlorinated Biphenyls by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG10053 - EPA 3550C											
Blank (BG10053-BLK2)	Blank							Prepared: 07/01/2021 Analyzed: 07/02/2021			
Aroclor 1016	ND	0.0166	mg/kg wet								
Aroclor 1221	ND	0.0166	"								
Aroclor 1232	ND	0.0166	"								
Aroclor 1242	ND	0.0166	"								
Aroclor 1248	ND	0.0166	"								
Aroclor 1254	ND	0.0166	"								
Aroclor 1260	ND	0.0166	"								
Total PCBs	ND	0.0166	"								
Surrogate: Tetrachloro-m-xylene	0.0701		"	0.0664		106	30-140				
Surrogate: Decachlorobiphenyl	0.0508		"	0.0664		76.5	30-140				
LCS (BG10053-BS2)	LCS							Prepared: 07/01/2021 Analyzed: 07/02/2021			
Aroclor 1016	0.385	0.0166	mg/kg wet	0.332		116	40-130				
Aroclor 1260	0.353	0.0166	"	0.332		106	40-130				
Surrogate: Tetrachloro-m-xylene	0.0664		"	0.0664		100	30-140				
Surrogate: Decachlorobiphenyl	0.0445		"	0.0664		67.0	30-140				
Matrix Spike (BG10053-MS2)	Matrix Spike	*Source sample: 21F1448-01 (Matrix Spike)						Prepared: 07/01/2021 Analyzed: 07/03/2021			
Aroclor 1016	0.292	0.0261	mg/kg dry	0.523	ND	55.8	40-140				
Aroclor 1260	0.323	0.0261	"	0.523	ND	61.7	40-140				
Surrogate: Tetrachloro-m-xylene	0.0920		"	0.105		88.0	30-140				
Surrogate: Decachlorobiphenyl	0.0544		"	0.105		52.0	30-140				
Matrix Spike Dup (BG10053-MS2)	Matrix Spike Dup	*Source sample: 21F1448-01 (Matrix Spike Dup)						Prepared: 07/01/2021 Analyzed: 07/03/2021			
Aroclor 1016	0.252	0.0261	mg/kg dry	0.523	ND	48.3	40-140		14.5	50	
Aroclor 1260	0.231	0.0261	"	0.523	ND	44.2	40-140		33.1	50	
Surrogate: Tetrachloro-m-xylene	0.0899		"	0.105		86.0	30-140				
Surrogate: Decachlorobiphenyl	0.0465		"	0.105		44.5	30-140				



Polychlorinated Biphenyls by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch Y1G0248 - BG10101

Aroclor Reference (Y1G0248)- Aroclor Reference

Prepared & Analyzed: 07/02/2021

Surrogate: Tetrachloro-m-xylene	0.214		ug/mL	0.200		107					
Surrogate: Decachlorobiphenyl	0.186		"	0.200		93.0					



Chlorinated Herbicides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG10090 - EPA 3550C/8151A											
Blank (BG10090-BLK1)	Blank							Prepared & Analyzed: 07/02/2021			
2,4,5-T	ND	0.0200	mg/kg wet								
2,4,5-TP (Silvex)	ND	0.0200	"								
2,4-D	ND	0.0200	"								
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	0.486		"	0.417		117	21-150				
LCS (BG10090-BS1)	LCS							Prepared & Analyzed: 07/02/2021			
2,4,5-T	0.138	0.0200	mg/kg wet	0.133		103	10-120				
2,4,5-TP (Silvex)	0.142	0.0200	"	0.133		106	10-120				
2,4-D	0.142	0.0200	"	0.133		106	10-118				
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	0.517		"	0.417		124	21-150				
Matrix Spike (BG10090-MS1)	Matrix Spike	*Source sample: 21F1462-01 (SB02_10-11)							Prepared & Analyzed: 07/02/2021		
2,4,5-T	0.142	0.0223	mg/kg dry	0.149	ND	95.6	10-120				
2,4,5-TP (Silvex)	0.149	0.0223	"	0.149	ND	100	10-120				
2,4-D	0.150	0.0223	"	0.149	ND	101	10-118				
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	0.564		"	0.465		121	21-150				
Matrix Spike Dup (BG10090-MS1)	Matrix Spike Dup	*Source sample: 21F1462-01 (SB02_10-11)							Prepared & Analyzed: 07/02/2021		
2,4,5-T	0.141	0.0223	mg/kg dry	0.149	ND	94.4	10-120		1.32	35	
2,4,5-TP (Silvex)	0.148	0.0223	"	0.149	ND	99.4	10-120		0.627	35	
2,4-D	0.141	0.0223	"	0.149	ND	94.4	10-118		6.41	35	
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	0.544		"	0.465		117	21-150				



Metals by ICP - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG10232 - EPA 3050B

Blank (BG10232-BLK1)	Blank										Prepared: 07/06/2021 Analyzed: 07/08/2021	
Aluminum	ND	5.00	mg/kg wet									
Antimony	ND	2.50	"									
Arsenic	ND	1.50	"									
Barium	ND	2.50	"									
Beryllium	ND	0.050	"									
Cadmium	ND	0.300	"									
Calcium	5.60	5.00	"									
Chromium	ND	0.500	"									
Cobalt	ND	0.400	"									
Copper	ND	2.00	"									
Iron	ND	25.0	"									
Lead	ND	0.500	"									
Magnesium	ND	5.00	"									
Manganese	ND	0.500	"									
Nickel	ND	1.00	"									
Potassium	ND	5.00	"									
Selenium	ND	2.50	"									
Silver	ND	0.500	"									
Sodium	ND	50.0	"									
Thallium	ND	2.50	"									
Vanadium	ND	1.00	"									
Zinc	ND	2.50	"									

Duplicate (BG10232-DUP1)	Duplicate	*Source sample: 21F1477-02 (Duplicate)				Prepared: 07/06/2021 Analyzed: 07/08/2021			
Aluminum		995	5.47	mg/kg dry	1910		63.1	35	Non-dir.
Antimony		ND	2.73	"	ND			35	
Arsenic		ND	1.64	"	ND			35	
Barium		3.17	2.73	"	7.17		77.4	35	Non-dir.
Beryllium		ND	0.055	"	ND			35	
Cadmium		ND	0.328	"	ND			35	
Calcium		819	5.47	"	2840		110	35	Non-dir.
Chromium		3.21	0.547	"	3.93		20.4	35	
Cobalt		1.16	0.437	"	1.59		31.1	35	
Copper		6.01	2.19	"	6.03		0.355	35	
Iron		2940	27.3	"	3120		5.74	35	
Lead		1.49	0.547	"	2.71		58.1	35	Non-dir.
Magnesium		565	5.47	"	1600		95.6	35	Non-dir.
Manganese		62.5	0.547	"	57.5		8.24	35	
Nickel		1.71	1.09	"	2.97		53.9	35	Non-dir.
Potassium		93.8	5.47	"	193		69.2	35	Non-dir.
Selenium		ND	2.73	"	ND			35	
Silver		ND	0.547	"	ND			35	
Sodium		ND	54.7	"	ND			35	
Thallium		ND	2.73	"	ND			35	
Vanadium		4.14	1.09	"	4.15		0.367	35	
Zinc		7.51	2.73	"	12.0		46.3	35	Non-dir.



Metals by ICP - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG10232 - EPA 3050B

Matrix Spike (BG10232-MS1)	Matrix Spike	*Source sample: 21F1477-02 (Matrix Spike)						Prepared: 07/06/2021 Analyzed: 07/08/2021			
Aluminum	1570	5.47	mg/kg dry	219	1910	NR	75-125	Low Bias			
Antimony	20.3	2.73	"	27.3	ND	74.4	75-125	Low Bias			
Arsenic	208	1.64	"	219	ND	94.9	75-125				
Barium	218	2.73	"	219	7.17	96.3	75-125				
Beryllium	5.03	0.055	"	5.47	ND	92.0	75-125				
Cadmium	5.30	0.328	"	5.47	ND	97.0	75-125				
Calcium	744	5.47	"	109	2840	NR	75-125	Low Bias			
Chromium	22.6	0.547	"	21.9	3.93	85.2	75-125				
Cobalt	53.9	0.437	"	54.7	1.59	95.8	75-125				
Copper	30.6	2.19	"	27.3	6.03	89.9	75-125				
Iron	3060	27.3	"	109	3120	NR	75-125	Low Bias			
Lead	61.4	0.547	"	54.7	2.71	107	75-125				
Magnesium	696	5.47	"	109	1600	NR	75-125	Low Bias			
Manganese	136	0.547	"	54.7	57.5	143	75-125	High Bias			
Nickel	53.6	1.09	"	54.7	2.97	92.6	75-125				
Potassium	237	5.47	"	109	193	40.6	75-125	Low Bias			
Selenium	181	2.73	"	219	ND	82.8	75-125				
Silver	4.80	0.547	"	5.47	ND	87.9	75-125				
Sodium	79.8	54.7	"	109	ND	73.0	75-125	Low Bias			
Thallium	212	2.73	"	219	ND	97.1	75-125				
Vanadium	53.7	1.09	"	54.7	4.15	90.7	75-125				
Zinc	55.5	2.73	"	54.7	12.0	79.5	75-125				

Post Spike (BG10232-PS1)	Post Spike	*Source sample: 21F1477-02 (Post Spike)						Prepared: 07/06/2021 Analyzed: 07/08/2021			
Aluminum	19.5		ug/mL	2.00	17.5	101	75-125				
Antimony	0.340		"	0.250	-0.007	136	75-125	High Bias			
Arsenic	2.26		"	2.00	0.006	113	75-125				
Barium	2.27		"	2.00	0.066	110	75-125				
Beryllium	0.053		"	0.0500	-0.001	105	75-125				
Cadmium	0.057		"	0.0500	0.0005	114	75-125				
Calcium	27.3		"	1.00	26.0	127	75-125	High Bias			
Chromium	0.246		"	0.200	0.036	105	75-125				
Cobalt	0.567		"	0.500	0.015	110	75-125				
Copper	0.324		"	0.250	0.055	108	75-125				
Iron	29.5		"	1.00	28.5	96.5	75-125				
Lead	0.615		"	0.500	0.025	118	75-125				
Magnesium	15.7		"	1.00	14.6	107	75-125				
Manganese	1.08		"	0.500	0.526	111	75-125				
Nickel	0.574		"	0.500	0.027	109	75-125				
Potassium	2.78		"	1.00	1.77	101	75-125				
Selenium	2.04		"	2.00	0.004	102	75-125				
Silver	0.046		"	0.0500	-0.006	92.6	75-125				
Sodium	0.932		"	1.00	0.104	82.8	75-125				
Thallium	2.30		"	2.00	-0.003	115	75-125				
Vanadium	0.577		"	0.500	0.038	108	75-125				
Zinc	0.644		"	0.500	0.110	107	75-125				



Metals by ICP - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG10232 - EPA 3050B

Reference (BG10232-SRM1)	Reference	Prepared: 07/06/2021 Analyzed: 07/08/2021									
Aluminum	7480	5.00	mg/kg wet	8190		91.3	50.5-150.1				
Antimony	79.4	2.50	"	110		72.2	19-251.7				
Arsenic	151	1.50	"	162		93.3	70.1-129.8				
Barium	125	2.50	"	138		90.9	75-125				
Beryllium	161	0.050	"	157		102	75-125.2				
Cadmium	149	0.300	"	135		111	74.8-125.2				
Calcium	4530	5.00	"	4790		94.7	72.7-127.5				
Chromium	109	0.500	"	117		93.0	70.1-129.9				
Cobalt	98.3	0.400	"	92.6		106	75-125				
Copper	140	2.00	"	143		98.2	75.3-125.3				
Iron	11400	25.0	"	15100		75.2	35.8-164.6				
Lead	67.4	0.500	"	77.6		86.8	70-130				
Magnesium	2060	5.00	"	2320		88.8	61.7-137.8				
Manganese	306	0.500	"	319		96.1	78.1-122				
Nickel	89.4	1.00	"	79.9		112	70.1-130.1				
Potassium	1870	5.00	"	2050		91.4	59.1-140.9				
Selenium	144	2.50	"	172		83.8	55.7-144.5				
Silver	24.5	0.500	"	24.7		99.1	69.2-130.8				
Sodium	92.7	50.0	"	137		67.7	36.1-163.3				
Thallium	85.0	2.50	"	88.0		96.6	65.3-146.8				
Vanadium	87.5	1.00	"	99.9		87.6	67-133.1				
Zinc	287	2.50	"	312		91.9	69.9-130.1				



Mercury by EPA 7000/200 Series Methods - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG10283 - EPA 7473 soil											
Blank (BG10283-BLK1)	Blank								Prepared & Analyzed: 07/07/2021		
Mercury	ND	0.0300	mg/kg wet								
Duplicate (BG10283-DUP1)	Duplicate	*Source sample: 21F1422-09 (Duplicate)							Prepared & Analyzed: 07/07/2021		
Mercury	ND	0.0307	mg/kg dry		ND					35	
Matrix Spike (BG10283-MS1)	Matrix Spike	*Source sample: 21F1422-09 (Matrix Spike)							Prepared & Analyzed: 07/07/2021		
Mercury	0.474		mg/kg	0.500	0.0179	91.3	75-125				
Reference (BG10283-SRM1)	Reference								Prepared & Analyzed: 07/07/2021		
Mercury	25.544		mg/kg	27.2		93.9	59.9-140.1				



Wet Chemistry Parameters - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG10009 - Analysis Preparation Soil											
Blank (BG10009-BLK1)	Blank								Prepared & Analyzed: 07/01/2021		
Cyanide, total	ND	0.500	mg/kg wet								
Duplicate (BG10009-DUP1)	Duplicate	*Source sample: 21F1467-09 (Duplicate)							Prepared & Analyzed: 07/01/2021		
Cyanide, total	ND	0.565	mg/kg dry		ND					15	
Matrix Spike (BG10009-MS1)	Matrix Spike	*Source sample: 21F1467-09 (Matrix Spike)							Prepared & Analyzed: 07/01/2021		
Cyanide, total	11.6	0.565	mg/kg dry	11.3	ND	103	79.6-107				
Batch BG10107 - EPA SW846-3060											
Blank (BG10107-BLK1)	Blank								Prepared & Analyzed: 07/02/2021		
Chromium, Hexavalent	ND	0.500	mg/kg wet								
Duplicate (BG10107-DUP1)	Duplicate	*Source sample: 21F1422-06 (Duplicate)							Prepared & Analyzed: 07/02/2021		
Chromium, Hexavalent	ND	0.512	mg/kg dry		ND					35	
Matrix Spike (BG10107-MS1)	Matrix Spike	*Source sample: 21F1422-06 (Matrix Spike)							Prepared & Analyzed: 07/02/2021		
Chromium, Hexavalent	18.2	0.512	mg/kg dry	20.5	ND	89.0	75-125				
Matrix Spike (BG10107-MS2)	Matrix Spike	*Source sample: 21F1422-06 (Matrix Spike)							Prepared & Analyzed: 07/02/2021		
Chromium, Hexavalent	17.8	0.512	mg/kg dry	20.5	ND	87.2	75-125				
Reference (BG10107-SRM1)	Reference								Prepared & Analyzed: 07/02/2021		
Chromium, Hexavalent	73.7		mg/L	109		67.6	30-169.7				



Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC Limits	Flag	RPD Limit	Flag

Batch BG10221 - % Solids Prep

Duplicate (BG10221-DUP1)	Duplicate	*Source sample: 21F1470-03 (Duplicate)					Prepared & Analyzed: 07/06/2021				
% Solids		96.1	0.100	%		96.0		0.0935	20		



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
21F1462-01	SB02_10-11	40mL 01_Clear Vial Cool to 4° C
21F1462-02	SB03_2-3	40mL 01_Clear Vial Cool to 4° C
21F1462-03	Trip Blank	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



Sample and Data Qualifiers Relating to This Work Order

M-DUPS	The RPD between the native sample and the duplicate is outside of limits due to sample non-homogeneity
Cal-E	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration (average Rf>20%)
CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
CCV-H	The value reported is estimated due to its behavior during continuing calibration verification (>20% difference for average RF or >20% drift for linear or quadratic fit.) This value may be biased high.
ICV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration verification (recovery exceeded 30% of expected value).
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
M-BLK	The target analyte was detected above the RL in the batch method blank. All samples showed >10x the concentration in the blank for this analyte. Data are reported.
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.
M-CRL	The RL check for this element recovered outside of control limits.
VOA-HDSP	Sample aliquot taken from VOA vial with headspace (air bubble greater than 6 mm diameter).-NON-COMPLIANT
M-ICV1	The recovery for this element in the Initial Calibration Verification (ICV) exceeded 110% of the expected value. Positive detections may be biased high.
M-SPKM	The spike recovery is not within acceptance windows due to sample non-homogeneity, or matrix interference.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
QR-04	The RPD exceeded control limits for the LCS/LCSD QC.
S-GC	Two surrogates are used for this analysis. One surrogate recovered within control limits therefore the analysis is acceptable.
VOA-CONT	Non-Compliant - the container(s) provided by the client for soil volatiles do not meet the requirements of EPA SW846-5035A. Results reported below 200 ug/kg may be biased low due to samples not being collected according to EPA SW846 5035A requirements.
M-CCV1	The recovery for this element in the Continuing Calibration Verification (CCV) exceeded 110% of the expected value. Positive detections may be biased high.

Definitions and Other Explanations

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.



NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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



Field Chain-of-Custody Record

YORK Project No.

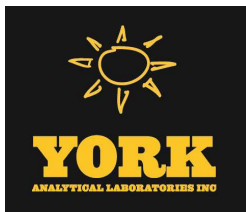
291-1462

Page 1 of 1

NOTE: YORK's Standard Terms & Conditions are listed on the back side of this document. This document serves as your written authorization for YORK to proceed with the analyses requested below.

Your signature binds you to YORK's Standard Terms & Conditions.

[illegible]



Technical Report

prepared for:

Langan Engineering & Environmental Services (NYC)

21 Penn Plaza, 360 West 31st Street

New York NY, 10001

Attention: Albert Tashji

Report Date: 08/25/2021

Client Project ID: 170362002

York Project (SDG) No.: 21H0863



CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037

New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

Report Date: 08/25/2021
Client Project ID: 170362002
York Project (SDG) No.: 21H0863

Langan Engineering & Environmental Services (NYC)
21 Penn Plaza, 360 West 31st Street
New York NY, 10001
Attention: Albert Tashji

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on August 17, 2021 and listed below. The project was identified as your project: **170362002**.

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

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

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

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

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

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
21H0863-01	SB12_1-2	Soil	08/17/2021	08/17/2021
21H0863-02	SB19_8-9	Soil	08/17/2021	08/17/2021

General Notes for York Project (SDG) No.: 21H0863

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

Approved By



Cassie L. Mosher
Laboratory Manager

Date: 08/25/2021





Sample Information

Client Sample ID: SB12_1-2

York Sample ID: 21H0863-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21H0863

170362002

Soil

August 17, 2021 7:55 am

08/17/2021

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2021 06:47	08/18/2021 20:08	KHA
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2021 06:47	08/18/2021 20:08	KHA
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2021 06:47	08/18/2021 20:08	KHA
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/18/2021 06:47	08/18/2021 20:08	KHA
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2021 06:47	08/18/2021 20:08	KHA
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2021 06:47	08/18/2021 20:08	KHA
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2021 06:47	08/18/2021 20:08	KHA
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2021 06:47	08/18/2021 20:08	KHA
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	08/18/2021 06:47	08/18/2021 20:08	KHA
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2021 06:47	08/18/2021 20:08	KHA
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2021 06:47	08/18/2021 20:08	KHA
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2021 06:47	08/18/2021 20:08	KHA
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2021 06:47	08/18/2021 20:08	KHA
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2021 06:47	08/18/2021 20:08	KHA
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2021 06:47	08/18/2021 20:08	KHA
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2021 06:47	08/18/2021 20:08	KHA
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2021 06:47	08/18/2021 20:08	KHA
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2021 06:47	08/18/2021 20:08	KHA
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2021 06:47	08/18/2021 20:08	KHA
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.060	0.12	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2021 06:47	08/18/2021 20:08	KHA
78-93-3	2-Butanone	0.061		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2021 06:47	08/18/2021 20:08	KHA



Sample Information

Client Sample ID: SB12_1-2

York Sample ID: 21H0863-01

York Project (SDG) No.

Client Project ID

Matrix

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21H0863

170362002

Soil

August 17, 2021 7:55 am

08/17/2021

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2021 06:47	08/18/2021 20:08	KHA
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2021 06:47	08/18/2021 20:08	KHA
67-64-1	Acetone	0.19		mg/kg dry	0.0060	0.012	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2021 06:47	08/18/2021 20:08	KHA
107-02-8	Acrolein	ND		mg/kg dry	0.0060	0.012	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2021 06:47	08/18/2021 20:08	KHA
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2021 06:47	08/18/2021 20:08	KHA
71-43-2	Benzene	0.0063		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2021 06:47	08/18/2021 20:08	KHA
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2021 06:47	08/18/2021 20:08	KHA
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2021 06:47	08/18/2021 20:08	KHA
75-25-2	Bromoform	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2021 06:47	08/18/2021 20:08	KHA
74-83-9	Bromomethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2021 06:47	08/18/2021 20:08	KHA
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2021 06:47	08/18/2021 20:08	KHA
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2021 06:47	08/18/2021 20:08	KHA
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2021 06:47	08/18/2021 20:08	KHA
75-00-3	Chloroethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2021 06:47	08/18/2021 20:08	KHA
67-66-3	Chloroform	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2021 06:47	08/18/2021 20:08	KHA
74-87-3	Chloromethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2021 06:47	08/18/2021 20:08	KHA
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2021 06:47	08/18/2021 20:08	KHA
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2021 06:47	08/18/2021 20:08	KHA
110-82-7	Cyclohexane	0.0064		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2021 06:47	08/18/2021 20:08	KHA
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2021 06:47	08/18/2021 20:08	KHA
74-95-3	Dibromomethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2021 06:47	08/18/2021 20:08	KHA
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2021 06:47	08/18/2021 20:08	KHA



Sample Information

Client Sample ID: SB12_1-2

York Sample ID: 21H0863-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21H0863

170362002

Soil

August 17, 2021 7:55 am

08/17/2021

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2021 06:47	08/18/2021 20:08	KHA
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2021 06:47	08/18/2021 20:08	KHA
98-82-8	Isopropylbenzene	0.0047	J	mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2021 06:47	08/18/2021 20:08	KHA
79-20-9	Methyl acetate	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2021 06:47	08/18/2021 20:08	KHA
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2021 06:47	08/18/2021 20:08	KHA
108-87-2	Methylcyclohexane	0.062		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2021 06:47	08/18/2021 20:08	KHA
75-09-2	Methylene chloride	ND		mg/kg dry	0.0060	0.012	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2021 06:47	08/18/2021 20:08	KHA
104-51-8	n-Butylbenzene	0.0052	J	mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2021 06:47	08/18/2021 20:08	KHA
103-65-1	n-Propylbenzene	0.0059	J	mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2021 06:47	08/18/2021 20:08	KHA
95-47-6	o-Xylene	0.0074		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2021 06:47	08/18/2021 20:08	KHA
179601-23-1	p- & m- Xylenes	0.0073	J	mg/kg dry	0.0060	0.012	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2021 06:47	08/18/2021 20:08	KHA
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2021 06:47	08/18/2021 20:08	KHA
135-98-8	sec-Butylbenzene	0.0055	J	mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2021 06:47	08/18/2021 20:08	KHA
100-42-5	Styrene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2021 06:47	08/18/2021 20:08	KHA
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2021 06:47	08/18/2021 20:08	KHA
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2021 06:47	08/18/2021 20:08	KHA
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2021 06:47	08/18/2021 20:08	KHA
108-88-3	Toluene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2021 06:47	08/18/2021 20:08	KHA
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2021 06:47	08/18/2021 20:08	KHA
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2021 06:47	08/18/2021 20:08	KHA
110-57-6	* trans-1,4-dichloro-2-butene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH	08/18/2021 06:47	08/18/2021 20:08	KHA
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2021 06:47	08/18/2021 20:08	KHA



Sample Information

Client Sample ID: SB12_1-2

York Sample ID: 21H0863-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21H0863

170362002

Soil

August 17, 2021 7:55 am

08/17/2021

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2021 06:47	08/18/2021 20:08	KHA
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2021 06:47	08/18/2021 20:08	KHA
1330-20-7	Xylenes, Total	0.015	J	mg/kg dry	0.0090	0.018	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/18/2021 06:47	08/18/2021 20:08	KHA
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	112 %	77-125								
2037-26-5	Surrogate: SURR: Toluene-d8	102 %	85-120								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	115 %	76-130								

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/20/2021 06:59	08/23/2021 12:06	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0932	0.186	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/20/2021 06:59	08/23/2021 12:06	KH
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2021 06:59	08/23/2021 12:06	KH
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/20/2021 06:59	08/23/2021 12:06	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/20/2021 06:59	08/23/2021 12:06	KH
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/20/2021 06:59	08/23/2021 12:06	KH
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/20/2021 06:59	08/23/2021 12:06	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0932	0.186	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/20/2021 06:59	08/23/2021 12:06	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2021 06:59	08/23/2021 12:06	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2021 06:59	08/23/2021 12:06	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2021 06:59	08/23/2021 12:06	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2021 06:59	08/23/2021 12:06	KH
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0932	0.186	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2021 06:59	08/23/2021 12:06	KH



Sample Information

Client Sample ID: SB12_1-2

York Sample ID: 21H0863-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21H0863

170362002

Soil

August 17, 2021 7:55 am

08/17/2021

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2021 06:59	08/23/2021 12:06	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2021 06:59	08/23/2021 12:06	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2021 06:59	08/23/2021 12:06	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2021 06:59	08/23/2021 12:06	KH
91-57-6	2-Methylnaphthalene	0.894		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2021 06:59	08/23/2021 12:06	KH
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2021 06:59	08/23/2021 12:06	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0932	0.186	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2021 06:59	08/23/2021 12:06	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2021 06:59	08/23/2021 12:06	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2021 06:59	08/23/2021 12:06	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/20/2021 06:59	08/23/2021 12:06	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0932	0.186	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2021 06:59	08/23/2021 12:06	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0932	0.186	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2021 06:59	08/23/2021 12:06	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2021 06:59	08/23/2021 12:06	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2021 06:59	08/23/2021 12:06	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2021 06:59	08/23/2021 12:06	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2021 06:59	08/23/2021 12:06	KH
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0932	0.186	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2021 06:59	08/23/2021 12:06	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0932	0.186	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2021 06:59	08/23/2021 12:06	KH
83-32-9	Acenaphthene	0.122		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2021 06:59	08/23/2021 12:06	KH
208-96-8	Acenaphthylene	0.104		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2021 06:59	08/23/2021 12:06	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/20/2021 06:59	08/23/2021 12:06	KH
62-53-3	Aniline	ND		mg/kg dry	0.187	0.373	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/20/2021 06:59	08/23/2021 12:06	KH



Sample Information

Client Sample ID: SB12_1-2

York Sample ID: 21H0863-01

York Project (SDG) No.
21H0863

Client Project ID
170362002

Matrix
Soil

Collection Date/Time
August 17, 2021 7:55 am

Date Received
08/17/2021

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-12-7	Anthracene	0.272		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2021 06:59	08/23/2021 12:06	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/20/2021 06:59	08/23/2021 12:06	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/20/2021 06:59	08/23/2021 12:06	KH
92-87-5	Benzidine	ND		mg/kg dry	0.187	0.373	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	08/20/2021 06:59	08/23/2021 12:06	KH
56-55-3	Benzo(a)anthracene	0.645		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2021 06:59	08/23/2021 12:06	KH
50-32-8	Benzo(a)pyrene	0.783		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2021 06:59	08/23/2021 12:06	KH
205-99-2	Benzo(b)fluoranthene	0.929		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2021 06:59	08/23/2021 12:06	KH
191-24-2	Benzo(g,h,i)perylene	0.886		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2021 06:59	08/23/2021 12:06	KH
207-08-9	Benzo(k)fluoranthene	0.728		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2021 06:59	08/23/2021 12:06	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/20/2021 06:59	08/23/2021 12:06	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/20/2021 06:59	08/23/2021 12:06	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2021 06:59	08/23/2021 12:06	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2021 06:59	08/23/2021 12:06	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2021 06:59	08/23/2021 12:06	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2021 06:59	08/23/2021 12:06	KH
117-81-7	Bis(2-ethylhexyl)phthalate	5.65		mg/kg dry	0.233	0.466	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2021 06:59	08/20/2021 23:10	KH
105-60-2	Caprolactam	ND		mg/kg dry	0.0932	0.186	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/20/2021 06:59	08/23/2021 12:06	KH
86-74-8	Carbazole	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2021 06:59	08/23/2021 12:06	KH
218-01-9	Chrysene	1.07		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2021 06:59	08/23/2021 12:06	KH
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2021 06:59	08/23/2021 12:06	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2021 06:59	08/23/2021 12:06	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2021 06:59	08/23/2021 12:06	KH



Sample Information

Client Sample ID: SB12_1-2

York Sample ID: 21H0863-01

York Project (SDG) No.
21H0863

Client Project ID
170362002

Matrix
Soil

Collection Date/Time
August 17, 2021 7:55 am

Date Received
08/17/2021

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2021 06:59	08/23/2021 12:06	KH
84-74-2	Di-n-butyl phthalate	0.374		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2021 06:59	08/23/2021 12:06	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2021 06:59	08/23/2021 12:06	KH
122-39-4	* Diphenylamine	ND		mg/kg dry	0.0932	0.186	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2021 06:59	08/23/2021 12:06	KH
206-44-0	Fluoranthene	1.48		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2021 06:59	08/23/2021 12:06	KH
86-73-7	Fluorene	0.234		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/20/2021 06:59	08/23/2021 12:06	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2021 06:59	08/23/2021 12:06	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2021 06:59	08/23/2021 12:06	KH
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2021 06:59	08/23/2021 12:06	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2021 06:59	08/23/2021 12:06	KH
193-39-5	Indeno(1,2,3-cd)pyrene	0.542		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2021 06:59	08/23/2021 12:06	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2021 06:59	08/23/2021 12:06	KH
91-20-3	Naphthalene	0.748		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2021 06:59	08/23/2021 12:06	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2021 06:59	08/23/2021 12:06	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2021 06:59	08/23/2021 12:06	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2021 06:59	08/23/2021 12:06	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2021 06:59	08/23/2021 12:06	KH
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2021 06:59	08/23/2021 12:06	KH
85-01-8	Phenanthrene	1.03		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2021 06:59	08/23/2021 12:06	KH
108-95-2	Phenol	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2021 06:59	08/23/2021 12:06	KH
129-00-0	Pyrene	1.99		mg/kg dry	0.233	0.466	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2021 06:59	08/20/2021 23:10	KH
Surrogate Recoveries		Result	Acceptance Range								



Sample Information

Client Sample ID: SB12_1-2

York Sample ID: 21H0863-01

York Project (SDG) No.
21H0863

Client Project ID
170362002

Matrix
Soil

Collection Date/Time
August 17, 2021 7:55 am

Date Received
08/17/2021

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
367-12-4	Surrogate: SURR: 2-Fluorophenol	25.4 %			20-108						
4165-62-2	Surrogate: SURR: Phenol-d5	26.8 %			23-114						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	40.6 %			22-108						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	37.4 %			21-113						
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	50.3 %			19-110						
1718-51-0	Surrogate: SURR: Terphenyl-d14	44.8 %			24-116						

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes: PCB-Tot

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0186	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/20/2021 10:58	08/23/2021 19:17	BJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0186	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/20/2021 10:58	08/23/2021 19:17	BJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0186	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/20/2021 10:58	08/23/2021 19:17	BJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0186	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/20/2021 10:58	08/23/2021 19:17	BJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0186	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/20/2021 10:58	08/23/2021 19:17	BJ
11097-69-1	Aroclor 1254	0.187	PCB-I	mg/kg dry	0.0186	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/20/2021 10:58	08/23/2021 19:17	BJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0186	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/20/2021 10:58	08/23/2021 19:17	BJ
1336-36-3	* Total PCBs	0.734		mg/kg dry	0.0186	1	EPA 8082A Certifications:	08/20/2021 10:58	08/23/2021 19:17	BJ
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	51.5 %			30-140					
2051-24-3	Surrogate: Decachlorobiphenyl	37.0 %			30-140					

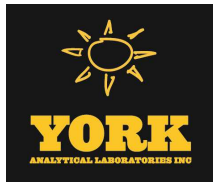
Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	5270		mg/kg dry	5.60	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 15:39	08/24/2021 18:50	EM
7440-36-0	Antimony	6.06		mg/kg dry	2.80	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 15:39	08/24/2021 18:50	EM
7440-38-2	Arsenic	39.5		mg/kg dry	1.68	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 15:39	08/24/2021 18:50	EM



Sample Information

Client Sample ID: SB12_1-2

York Sample ID: 21H0863-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21H0863

170362002

Soil

August 17, 2021 7:55 am

08/17/2021

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-39-3	Barium	770		mg/kg dry	2.80	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 15:39	08/24/2021 18:50	EM
7440-41-7	Beryllium	ND		mg/kg dry	0.056	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 15:39	08/24/2021 18:50	EM
7440-43-9	Cadmium	28.2		mg/kg dry	0.336	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 15:39	08/24/2021 18:50	EM
7440-70-2	Calcium	12000	M-BLK, B	mg/kg dry	5.60	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 15:39	08/24/2021 18:50	EM
7440-47-3	Chromium	152		mg/kg dry	0.560	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 15:39	08/24/2021 18:50	EM
7440-48-4	Cobalt	25.3		mg/kg dry	0.448	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 15:39	08/24/2021 18:50	EM
7440-50-8	Copper	918		mg/kg dry	2.24	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 15:39	08/24/2021 18:50	EM
7439-89-6	Iron	108000		mg/kg dry	28.0	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 15:39	08/24/2021 18:50	EM
7439-92-1	Lead	3100		mg/kg dry	0.560	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 15:39	08/24/2021 18:50	EM
7439-95-4	Magnesium	3970		mg/kg dry	5.60	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 15:39	08/24/2021 18:50	EM
7439-96-5	Manganese	728		mg/kg dry	0.560	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 15:39	08/24/2021 18:50	EM
7440-02-0	Nickel	117		mg/kg dry	1.12	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 15:39	08/24/2021 18:50	EM
7440-09-7	Potassium	649		mg/kg dry	5.60	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 15:39	08/24/2021 18:50	EM
7782-49-2	Selenium	ND		mg/kg dry	2.80	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 15:39	08/24/2021 18:50	EM
7440-22-4	Silver	ND		mg/kg dry	0.560	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 15:39	08/24/2021 18:50	EM
7440-23-5	Sodium	323		mg/kg dry	56.0	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 15:39	08/24/2021 18:50	EM
7440-28-0	Thallium	ND		mg/kg dry	2.80	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 15:39	08/24/2021 18:50	EM
7440-62-2	Vanadium	95.3		mg/kg dry	1.12	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 15:39	08/24/2021 18:50	EM
7440-66-6	Zinc	1330		mg/kg dry	2.80	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 15:39	08/24/2021 18:50	EM

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120 RESEARCH DRIVE		STRATFORD, CT 06615					132-02 89th AVENUE		RICHMOND HILL, NY 11418	
www.YORKLAB.com		(203) 325-1371					FAX (203) 357-0166		ClientServices@yorklab.com	



Sample Information

Client Sample ID: SB12_1-2

York Sample ID: 21H0863-01

York Project (SDG) No.
21H0863

Client Project ID
170362002

Matrix
Soil

Collection Date/Time
August 17, 2021 7:55 am

Date Received
08/17/2021

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.993		mg/kg dry	0.0336	1	EPA 7473	08/24/2021 13:44	08/24/2021 18:07	MAO
Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP										

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	89.2		%	0.100	1	SM 2540G	08/24/2021 12:55	08/24/2021 15:29	VR
Certifications: CTDOH										



Sample Information

Client Sample ID: SB19_8-9

York Sample ID: 21H0863-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21H0863

170362002

Soil

August 17, 2021 12:30 pm

08/17/2021

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0037	0.0073	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2021 06:47	08/18/2021 20:34	KHA
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0037	0.0073	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2021 06:47	08/18/2021 20:34	KHA
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0037	0.0073	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2021 06:47	08/18/2021 20:34	KHA
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0037	0.0073	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/18/2021 06:47	08/18/2021 20:34	KHA
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0037	0.0073	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2021 06:47	08/18/2021 20:34	KHA
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0037	0.0073	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2021 06:47	08/18/2021 20:34	KHA
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0037	0.0073	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2021 06:47	08/18/2021 20:34	KHA
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0037	0.0073	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2021 06:47	08/18/2021 20:34	KHA
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0037	0.0073	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	08/18/2021 06:47	08/18/2021 20:34	KHA
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0037	0.0073	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2021 06:47	08/18/2021 20:34	KHA
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0037	0.0073	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2021 06:47	08/18/2021 20:34	KHA
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0037	0.0073	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2021 06:47	08/18/2021 20:34	KHA
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0037	0.0073	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2021 06:47	08/18/2021 20:34	KHA
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0037	0.0073	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2021 06:47	08/18/2021 20:34	KHA
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0037	0.0073	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2021 06:47	08/18/2021 20:34	KHA
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0037	0.0073	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2021 06:47	08/18/2021 20:34	KHA
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0037	0.0073	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2021 06:47	08/18/2021 20:34	KHA
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0037	0.0073	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2021 06:47	08/18/2021 20:34	KHA
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0037	0.0073	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2021 06:47	08/18/2021 20:34	KHA
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.073	0.15	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2021 06:47	08/18/2021 20:34	KHA
78-93-3	2-Butanone	ND		mg/kg dry	0.0037	0.0073	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2021 06:47	08/18/2021 20:34	KHA



Sample Information

Client Sample ID: SB19_8-9

York Sample ID: 21H0863-02

York Project (SDG) No.
21H0863

Client Project ID
170362002

Matrix
Soil

Collection Date/Time
August 17, 2021 12:30 pm

Date Received
08/17/2021

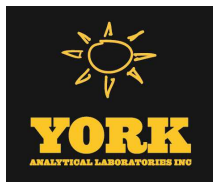
Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0037	0.0073	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2021 06:47	08/18/2021 20:34	KHA
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0037	0.0073	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2021 06:47	08/18/2021 20:34	KHA
67-64-1	Acetone	ND		mg/kg dry	0.0073	0.015	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2021 06:47	08/18/2021 20:34	KHA
107-02-8	Acrolein	ND		mg/kg dry	0.0073	0.015	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2021 06:47	08/18/2021 20:34	KHA
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0037	0.0073	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2021 06:47	08/18/2021 20:34	KHA
71-43-2	Benzene	ND		mg/kg dry	0.0037	0.0073	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2021 06:47	08/18/2021 20:34	KHA
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0037	0.0073	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2021 06:47	08/18/2021 20:34	KHA
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0037	0.0073	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2021 06:47	08/18/2021 20:34	KHA
75-25-2	Bromoform	ND		mg/kg dry	0.0037	0.0073	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2021 06:47	08/18/2021 20:34	KHA
74-83-9	Bromomethane	ND		mg/kg dry	0.0037	0.0073	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2021 06:47	08/18/2021 20:34	KHA
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0037	0.0073	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2021 06:47	08/18/2021 20:34	KHA
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0037	0.0073	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2021 06:47	08/18/2021 20:34	KHA
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0037	0.0073	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2021 06:47	08/18/2021 20:34	KHA
75-00-3	Chloroethane	ND		mg/kg dry	0.0037	0.0073	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2021 06:47	08/18/2021 20:34	KHA
67-66-3	Chloroform	ND		mg/kg dry	0.0037	0.0073	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2021 06:47	08/18/2021 20:34	KHA
74-87-3	Chloromethane	ND		mg/kg dry	0.0037	0.0073	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2021 06:47	08/18/2021 20:34	KHA
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0037	0.0073	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2021 06:47	08/18/2021 20:34	KHA
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0037	0.0073	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2021 06:47	08/18/2021 20:34	KHA
110-82-7	Cyclohexane	ND		mg/kg dry	0.0037	0.0073	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2021 06:47	08/18/2021 20:34	KHA
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0037	0.0073	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2021 06:47	08/18/2021 20:34	KHA
74-95-3	Dibromomethane	ND		mg/kg dry	0.0037	0.0073	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2021 06:47	08/18/2021 20:34	KHA
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0037	0.0073	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2021 06:47	08/18/2021 20:34	KHA



Sample Information

Client Sample ID: SB19_8-9

York Sample ID: 21H0863-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21H0863

170362002

Soil

August 17, 2021 12:30 pm

08/17/2021

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0037	0.0073	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2021 06:47	08/18/2021 20:34	KHA
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0037	0.0073	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2021 06:47	08/18/2021 20:34	KHA
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0037	0.0073	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2021 06:47	08/18/2021 20:34	KHA
79-20-9	Methyl acetate	ND		mg/kg dry	0.0037	0.0073	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2021 06:47	08/18/2021 20:34	KHA
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0037	0.0073	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2021 06:47	08/18/2021 20:34	KHA
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0037	0.0073	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2021 06:47	08/18/2021 20:34	KHA
75-09-2	Methylene chloride	0.011	J	mg/kg dry	0.0073	0.015	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2021 06:47	08/18/2021 20:34	KHA
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0037	0.0073	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2021 06:47	08/18/2021 20:34	KHA
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0037	0.0073	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2021 06:47	08/18/2021 20:34	KHA
95-47-6	o-Xylene	ND		mg/kg dry	0.0037	0.0073	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2021 06:47	08/18/2021 20:34	KHA
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0073	0.015	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2021 06:47	08/18/2021 20:34	KHA
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0037	0.0073	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2021 06:47	08/18/2021 20:34	KHA
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0037	0.0073	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2021 06:47	08/18/2021 20:34	KHA
100-42-5	Styrene	ND		mg/kg dry	0.0037	0.0073	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2021 06:47	08/18/2021 20:34	KHA
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0037	0.0073	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2021 06:47	08/18/2021 20:34	KHA
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0037	0.0073	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2021 06:47	08/18/2021 20:34	KHA
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0037	0.0073	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2021 06:47	08/18/2021 20:34	KHA
108-88-3	Toluene	ND		mg/kg dry	0.0037	0.0073	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2021 06:47	08/18/2021 20:34	KHA
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0037	0.0073	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2021 06:47	08/18/2021 20:34	KHA
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0037	0.0073	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2021 06:47	08/18/2021 20:34	KHA
110-57-6	* trans-1,4-dichloro-2-butene	ND		mg/kg dry	0.0037	0.0073	1	EPA 8260C Certifications: CTDOH	08/18/2021 06:47	08/18/2021 20:34	KHA
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0037	0.0073	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2021 06:47	08/18/2021 20:34	KHA



Sample Information

Client Sample ID: SB19_8-9

York Sample ID: 21H0863-02

York Project (SDG) No.
21H0863

Client Project ID
170362002

Matrix
Soil

Collection Date/Time
August 17, 2021 12:30 pm

Date Received
08/17/2021

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0037	0.0073	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2021 06:47	08/18/2021 20:34	KHA
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0037	0.0073	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2021 06:47	08/18/2021 20:34	KHA
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.011	0.022	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/18/2021 06:47	08/18/2021 20:34	KHA
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	108 %			77-125						
2037-26-5	Surrogate: SURR: Toluene-d8	105 %			85-120						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	104 %			76-130						

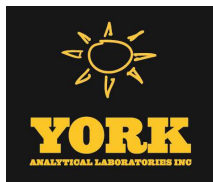
Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/20/2021 06:59	08/20/2021 23:41	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0942	0.188	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/20/2021 06:59	08/20/2021 23:41	KH
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2021 06:59	08/20/2021 23:41	KH
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/20/2021 06:59	08/20/2021 23:41	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/20/2021 06:59	08/20/2021 23:41	KH
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/20/2021 06:59	08/20/2021 23:41	KH
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/20/2021 06:59	08/20/2021 23:41	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0942	0.188	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/20/2021 06:59	08/20/2021 23:41	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2021 06:59	08/20/2021 23:41	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2021 06:59	08/20/2021 23:41	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2021 06:59	08/20/2021 23:41	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2021 06:59	08/20/2021 23:41	KH
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0942	0.188	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2021 06:59	08/20/2021 23:41	KH



Sample Information

Client Sample ID: SB19_8-9

York Sample ID: 21H0863-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21H0863

170362002

Soil

August 17, 2021 12:30 pm

08/17/2021

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2021 06:59	08/20/2021 23:41	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2021 06:59	08/20/2021 23:41	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2021 06:59	08/20/2021 23:41	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2021 06:59	08/20/2021 23:41	KH
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2021 06:59	08/20/2021 23:41	KH
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2021 06:59	08/20/2021 23:41	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0942	0.188	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2021 06:59	08/20/2021 23:41	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2021 06:59	08/20/2021 23:41	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2021 06:59	08/20/2021 23:41	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/20/2021 06:59	08/20/2021 23:41	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0942	0.188	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2021 06:59	08/20/2021 23:41	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0942	0.188	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2021 06:59	08/20/2021 23:41	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2021 06:59	08/20/2021 23:41	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2021 06:59	08/20/2021 23:41	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2021 06:59	08/20/2021 23:41	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2021 06:59	08/20/2021 23:41	KH
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0942	0.188	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2021 06:59	08/20/2021 23:41	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0942	0.188	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2021 06:59	08/20/2021 23:41	KH
83-32-9	Acenaphthene	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2021 06:59	08/20/2021 23:41	KH
208-96-8	Acenaphthylene	0.0527	J	mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2021 06:59	08/20/2021 23:41	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/20/2021 06:59	08/20/2021 23:41	KH
62-53-3	Aniline	ND		mg/kg dry	0.189	0.377	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/20/2021 06:59	08/20/2021 23:41	KH



Sample Information

Client Sample ID: SB19_8-9

York Sample ID: 21H0863-02

York Project (SDG) No.
21H0863

Client Project ID
170362002

Matrix
Soil

Collection Date/Time
August 17, 2021 12:30 pm

Date Received
08/17/2021

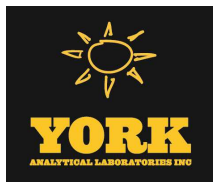
Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-12-7	Anthracene	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2021 06:59	08/20/2021 23:41	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/20/2021 06:59	08/20/2021 23:41	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/20/2021 06:59	08/20/2021 23:41	KH
92-87-5	Benzidine	ND		mg/kg dry	0.189	0.377	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	08/20/2021 06:59	08/20/2021 23:41	KH
56-55-3	Benzo(a)anthracene	0.119		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2021 06:59	08/20/2021 23:41	KH
50-32-8	Benzo(a)pyrene	0.142		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2021 06:59	08/20/2021 23:41	KH
205-99-2	Benzo(b)fluoranthene	0.101		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2021 06:59	08/20/2021 23:41	KH
191-24-2	Benzo(g,h,i)perylene	0.0956		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2021 06:59	08/20/2021 23:41	KH
207-08-9	Benzo(k)fluoranthene	0.0964		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2021 06:59	08/20/2021 23:41	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/20/2021 06:59	08/20/2021 23:41	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/20/2021 06:59	08/20/2021 23:41	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2021 06:59	08/20/2021 23:41	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2021 06:59	08/20/2021 23:41	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2021 06:59	08/20/2021 23:41	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2021 06:59	08/20/2021 23:41	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2021 06:59	08/20/2021 23:41	KH
105-60-2	Caprolactam	ND		mg/kg dry	0.0942	0.188	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/20/2021 06:59	08/20/2021 23:41	KH
86-74-8	Carbazole	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2021 06:59	08/20/2021 23:41	KH
218-01-9	Chrysene	0.129		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2021 06:59	08/20/2021 23:41	KH
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2021 06:59	08/20/2021 23:41	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2021 06:59	08/20/2021 23:41	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2021 06:59	08/20/2021 23:41	KH



Sample Information

Client Sample ID: SB19_8-9

York Sample ID: 21H0863-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21H0863

170362002

Soil

August 17, 2021 12:30 pm

08/17/2021

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2021 06:59	08/20/2021 23:41	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2021 06:59	08/20/2021 23:41	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2021 06:59	08/20/2021 23:41	KH
122-39-4	* Diphenylamine	ND		mg/kg dry	0.0942	0.188	2	EPA 8270D Certifications:	08/20/2021 06:59	08/20/2021 23:41	KH
206-44-0	Fluoranthene	0.144		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2021 06:59	08/20/2021 23:41	KH
86-73-7	Fluorene	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/20/2021 06:59	08/20/2021 23:41	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2021 06:59	08/20/2021 23:41	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2021 06:59	08/20/2021 23:41	KH
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2021 06:59	08/20/2021 23:41	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2021 06:59	08/20/2021 23:41	KH
193-39-5	Indeno(1,2,3-cd)pyrene	0.107		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2021 06:59	08/20/2021 23:41	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2021 06:59	08/20/2021 23:41	KH
91-20-3	Naphthalene	0.0519	J	mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2021 06:59	08/20/2021 23:41	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2021 06:59	08/20/2021 23:41	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2021 06:59	08/20/2021 23:41	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2021 06:59	08/20/2021 23:41	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2021 06:59	08/20/2021 23:41	KH
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2021 06:59	08/20/2021 23:41	KH
85-01-8	Phenanthrene	0.0933	J	mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2021 06:59	08/20/2021 23:41	KH
108-95-2	Phenol	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2021 06:59	08/20/2021 23:41	KH
129-00-0	Pyrene	0.167		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2021 06:59	08/20/2021 23:41	KH
Surrogate Recoveries		Result	Acceptance Range								



Sample Information

Client Sample ID: SB19_8-9

York Sample ID: 21H0863-02

York Project (SDG) No.
21H0863

Client Project ID
170362002

Matrix
Soil

Collection Date/Time
August 17, 2021 12:30 pm

Date Received
08/17/2021

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
367-12-4	Surrogate: SURR: 2-Fluorophenol	34.8 %			20-108						
4165-62-2	Surrogate: SURR: Phenol-d5	29.4 %			23-114						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	43.5 %			22-108						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	49.4 %			21-113						
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	61.5 %			19-110						
1718-51-0	Surrogate: SURR: Terphenyl-d14	49.4 %			24-116						

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0186	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/20/2021 10:58	08/23/2021 19:30	BJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0186	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/20/2021 10:58	08/23/2021 19:30	BJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0186	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/20/2021 10:58	08/23/2021 19:30	BJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0186	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/20/2021 10:58	08/23/2021 19:30	BJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0186	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/20/2021 10:58	08/23/2021 19:30	BJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0186	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/20/2021 10:58	08/23/2021 19:30	BJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0186	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/20/2021 10:58	08/23/2021 19:30	BJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0186	1	EPA 8082A Certifications:	08/20/2021 10:58	08/23/2021 19:30	BJ
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	48.0 %			30-140					
2051-24-3	Surrogate: Decachlorobiphenyl	30.5 %			30-140					

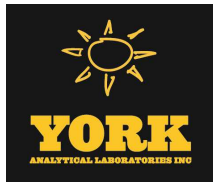
Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	2070		mg/kg dry	5.68	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 15:39	08/24/2021 18:52	EM
7440-36-0	Antimony	ND		mg/kg dry	2.84	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 15:39	08/24/2021 18:52	EM
7440-38-2	Arsenic	4.09		mg/kg dry	1.70	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 15:39	08/24/2021 18:52	EM



Sample Information

Client Sample ID: SB19_8-9

York Sample ID: 21H0863-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21H0863

170362002

Soil

August 17, 2021 12:30 pm

08/17/2021

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-39-3	Barium	34.2		mg/kg dry	2.84	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 15:39	08/24/2021 18:52	EM
7440-41-7	Beryllium	ND		mg/kg dry	0.057	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 15:39	08/24/2021 18:52	EM
7440-43-9	Cadmium	ND		mg/kg dry	0.341	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 15:39	08/24/2021 18:52	EM
7440-70-2	Calcium	3420	M-BLK, B	mg/kg dry	5.68	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 15:39	08/24/2021 18:52	EM
7440-47-3	Chromium	10.0		mg/kg dry	0.568	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 15:39	08/24/2021 18:52	EM
7440-48-4	Cobalt	5.56		mg/kg dry	0.455	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 15:39	08/24/2021 18:52	EM
7440-50-8	Copper	27.6		mg/kg dry	2.27	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 15:39	08/24/2021 18:52	EM
7439-89-6	Iron	5450		mg/kg dry	28.4	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 15:39	08/24/2021 18:52	EM
7439-92-1	Lead	28.1		mg/kg dry	0.568	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 15:39	08/24/2021 18:52	EM
7439-95-4	Magnesium	1220		mg/kg dry	5.68	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 15:39	08/24/2021 18:52	EM
7439-96-5	Manganese	40.2		mg/kg dry	0.568	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 15:39	08/24/2021 18:52	EM
7440-02-0	Nickel	15.4		mg/kg dry	1.14	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 15:39	08/24/2021 18:52	EM
7440-09-7	Potassium	470		mg/kg dry	5.68	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 15:39	08/24/2021 18:52	EM
7782-49-2	Selenium	ND		mg/kg dry	2.84	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 15:39	08/24/2021 18:52	EM
7440-22-4	Silver	ND		mg/kg dry	0.568	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 15:39	08/24/2021 18:52	EM
7440-23-5	Sodium	185		mg/kg dry	56.8	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 15:39	08/24/2021 18:52	EM
7440-28-0	Thallium	ND		mg/kg dry	2.84	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 15:39	08/24/2021 18:52	EM
7440-62-2	Vanadium	10.1		mg/kg dry	1.14	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 15:39	08/24/2021 18:52	EM
7440-66-6	Zinc	37.8		mg/kg dry	2.84	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 15:39	08/24/2021 18:52	EM

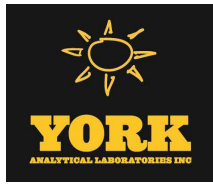
Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120 RESEARCH DRIVE		STRATFORD, CT 06615					132-02 89th AVENUE		RICHMOND HILL, NY 11418	
www.YORKLAB.com		(203) 325-1371					FAX (203) 357-0166		ClientServices@yorklab.com	



Sample Information

Client Sample ID: SB19_8-9

York Sample ID: 21H0863-02

York Project (SDG) No.

21H0863

Client Project ID

170362002

Matrix

Soil

Collection Date/Time

August 17, 2021 12:30 pm

Date Received

08/17/2021

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.0439		mg/kg dry	0.0341	1	EPA 7473	08/24/2021 13:44	08/24/2021 18:16	MAO
Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP										

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	88.0		%	0.100	1	SM 2540G	08/24/2021 12:55	08/24/2021 15:29	VR
Certifications: CTDOH										



Analytical Batch Summary

Batch ID: BH11102 **Preparation Method:** EPA 3546 SVOA **Prepared By:** RTH

YORK Sample ID	Client Sample ID	Preparation Date
21H0863-01	SB12_1-2	08/20/21
21H0863-01RE1	SB12_1-2	08/20/21
21H0863-02	SB19_8-9	08/20/21
BH11102-BLK1	Blank	08/20/21
BH11102-BS1	LCS	08/20/21
BH11102-MS1	Matrix Spike	08/20/21
BH11102-MSD1	Matrix Spike Dup	08/20/21

Batch ID: BH11135 **Preparation Method:** EPA 3550C **Prepared By:** SJB

YORK Sample ID	Client Sample ID	Preparation Date
21H0863-01	SB12_1-2	08/20/21
21H0863-02	SB19_8-9	08/20/21
BH11135-BLK2	Blank	08/20/21
BH11135-BS2	LCS	08/20/21
BH11135-MS2	Matrix Spike	08/20/21
BH11135-MSD2	Matrix Spike Dup	08/20/21

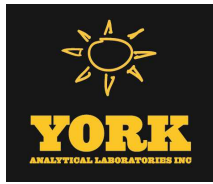
Batch ID: BH11163 **Preparation Method:** EPA 5035A **Prepared By:** TL

YORK Sample ID	Client Sample ID	Preparation Date
21H0863-01	SB12_1-2	08/18/21
21H0863-02	SB19_8-9	08/18/21
BH11163-BLK1	Blank	08/18/21
BH11163-BLK2	Blank	08/18/21
BH11163-BLK3	Blank	08/18/21
BH11163-BLK4	Blank	08/18/21
BH11163-BS1	LCS	08/18/21
BH11163-BSD1	LCS Dup	08/18/21

Batch ID: BH11251 **Preparation Method:** EPA 3050B **Prepared By:** K T

YORK Sample ID	Client Sample ID	Preparation Date
21H0863-01	SB12_1-2	08/23/21
21H0863-02	SB19_8-9	08/23/21
BH11251-BLK1	Blank	08/23/21
BH11251-DUP1	Duplicate	08/23/21
BH11251-MS1	Matrix Spike	08/23/21
BH11251-PS1	Post Spike	08/23/21
BH11251-SRM1	Reference	08/23/21

Batch ID: BH11324 **Preparation Method:** % Solids Prep **Prepared By:** VR



YORK Sample ID	Client Sample ID	Preparation Date
21H0863-01	SB12_1-2	08/24/21
21H0863-02	SB19_8-9	08/24/21
BH11324-DUP1	Duplicate	08/24/21

Batch ID: BH11328 **Preparation Method:** EPA 7473 soil **Prepared By:** BR

YORK Sample ID	Client Sample ID	Preparation Date
21H0863-01	SB12_1-2	08/24/21
21H0863-02	SB19_8-9	08/24/21
BH11328-BLK1	Blank	08/24/21
BH11328-DUP1	Duplicate	08/24/21
BH11328-MS1	Matrix Spike	08/24/21
BH11328-SRM1	Reference	08/24/21



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH11163 - EPA 5035A											
Blank (BH11163-BLK1)	Blank										Prepared & Analyzed: 08/18/2021
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH11163 - EPA 5035A

Blank (BH11163-BLK1)	Blank									Prepared & Analyzed: 08/18/2021
n-Butylbenzene	ND	0.0050	mg/kg wet							
n-Propylbenzene	ND	0.0050	"							
o-Xylene	ND	0.0050	"							
p- & m- Xylenes	ND	0.010	"							
p-Isopropyltoluene	ND	0.0050	"							
sec-Butylbenzene	ND	0.0050	"							
Styrene	ND	0.0050	"							
tert-Butyl alcohol (TBA)	ND	0.0050	"							
tert-Butylbenzene	ND	0.0050	"							
Tetrachloroethylene	ND	0.0050	"							
Toluene	ND	0.0050	"							
trans-1,2-Dichloroethylene	ND	0.0050	"							
trans-1,3-Dichloropropylene	ND	0.0050	"							
trans-1,4-dichloro-2-butene	ND	0.0050	"							
Trichloroethylene	ND	0.0050	"							
Trichlorofluoromethane	ND	0.0050	"							
Vinyl Chloride	ND	0.0050	"							
Xylenes, Total	ND	0.015	"							
Surrogate: SURRE: 1,2-Dichloroethane-d4	50.2		ug/L	50.0		100	77-125			
Surrogate: SURRE: Toluene-d8	51.8		"	50.0		104	85-120			
Surrogate: SURRE: p-Bromofluorobenzene	51.8		"	50.0		104	76-130			

Blank (BH11163-BLK2)	Blank									Prepared & Analyzed: 08/18/2021
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet							
1,1,1-Trichloroethane	ND	0.0050	"							
1,1,2,2-Tetrachloroethane	ND	0.0050	"							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"							
1,1,2-Trichloroethane	ND	0.0050	"							
1,1-Dichloroethane	ND	0.0050	"							
1,1-Dichloroethylene	ND	0.0050	"							
1,2,3-Trichlorobenzene	ND	0.0050	"							
1,2,3-Trichloropropane	ND	0.0050	"							
1,2,4-Trichlorobenzene	ND	0.0050	"							
1,2,4-Trimethylbenzene	ND	0.0050	"							
1,2-Dibromo-3-chloropropane	ND	0.0050	"							
1,2-Dibromoethane	ND	0.0050	"							
1,2-Dichlorobenzene	ND	0.0050	"							
1,2-Dichloroethane	ND	0.0050	"							
1,2-Dichloropropane	ND	0.0050	"							
1,3,5-Trimethylbenzene	ND	0.0050	"							
1,3-Dichlorobenzene	ND	0.0050	"							
1,4-Dichlorobenzene	ND	0.0050	"							
1,4-Dioxane	ND	0.10	"							
2-Butanone	ND	0.0050	"							
2-Hexanone	ND	0.0050	"							
4-Methyl-2-pentanone	ND	0.0050	"							
Acetone	ND	0.010	"							
Acrolein	ND	0.010	"							
Acrylonitrile	ND	0.0050	"							
Benzene	ND	0.0050	"							
Bromochloromethane	ND	0.0050	"							



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH11163 - EPA 5035A

Blank (BH11163-BLK2)	Blank	Prepared & Analyzed: 08/18/2021									
Bromodichloromethane	ND	0.0050	mg/kg wet								
Bromoform	ND	0.0050	"								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
trans-1,4-dichloro-2-butene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	50.9		ug/L	50.0		102	77-125				
Surrogate: SURR: Toluene-d8	51.2		"	50.0		102	85-120				
Surrogate: SURR: p-Bromofluorobenzene	51.2		"	50.0		102	76-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH11163 - EPA 5035A

Blank (BH11163-BLK3) HB-21H0869

Prepared & Analyzed: 08/18/2021

1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet
1,1,1-Trichloroethane	ND	0.0050	"
1,1,2,2-Tetrachloroethane	ND	0.0050	"
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"
1,1,2-Trichloroethane	ND	0.0050	"
1,1-Dichloroethane	ND	0.0050	"
1,1-Dichloroethylene	ND	0.0050	"
1,2,3-Trichlorobenzene	ND	0.0050	"
1,2,3-Trichloropropane	ND	0.0050	"
1,2,4-Trichlorobenzene	ND	0.0050	"
1,2,4-Trimethylbenzene	ND	0.0050	"
1,2-Dibromo-3-chloropropane	ND	0.0050	"
1,2-Dibromoethane	ND	0.0050	"
1,2-Dichlorobenzene	ND	0.0050	"
1,2-Dichloroethane	ND	0.0050	"
1,2-Dichloropropane	ND	0.0050	"
1,3,5-Trimethylbenzene	ND	0.0050	"
1,3-Dichlorobenzene	ND	0.0050	"
1,4-Dichlorobenzene	ND	0.0050	"
1,4-Dioxane	ND	0.10	"
2-Butanone	ND	0.0050	"
2-Hexanone	ND	0.0050	"
4-Methyl-2-pentanone	ND	0.0050	"
Acetone	ND	0.010	"
Acrolein	ND	0.010	"
Acrylonitrile	ND	0.0050	"
Benzene	ND	0.0050	"
Bromochloromethane	ND	0.0050	"
Bromodichloromethane	ND	0.0050	"
Bromoform	ND	0.0050	"
Bromomethane	ND	0.0050	"
Carbon disulfide	ND	0.0050	"
Carbon tetrachloride	ND	0.0050	"
Chlorobenzene	ND	0.0050	"
Chloroethane	ND	0.0050	"
Chloroform	ND	0.0050	"
Chloromethane	ND	0.0050	"
cis-1,2-Dichloroethylene	ND	0.0050	"
cis-1,3-Dichloropropylene	ND	0.0050	"
Cyclohexane	ND	0.0050	"
Dibromochloromethane	ND	0.0050	"
Dibromomethane	ND	0.0050	"
Dichlorodifluoromethane	ND	0.0050	"
Ethyl Benzene	ND	0.0050	"
Hexachlorobutadiene	ND	0.0050	"
Isopropylbenzene	ND	0.0050	"
Methyl acetate	ND	0.0050	"
Methyl tert-butyl ether (MTBE)	ND	0.0050	"
Methylcyclohexane	ND	0.0050	"
Methylene chloride	ND	0.010	"
n-Butylbenzene	ND	0.0050	"



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH11163 - EPA 5035A

Blank (BH11163-BLK3)		HB-21H0869		Prepared & Analyzed: 08/18/2021							
n-Propylbenzene	ND	0.0050	mg/kg wet								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
trans-1,4-dichloro-2-butene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	52.5		ug/L	50.0		105	77-125				
Surrogate: SURR: Toluene-d8	51.7		"	50.0		103	85-120				
Surrogate: SURR: p-Bromofluorobenzene	51.4		"	50.0		103	76-130				

Blank (BH11163-BLK4)		HB-21H0863		Prepared & Analyzed: 08/18/2021							
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH11163 - EPA 5035A

Blank (BH11163-BLK4) HB-21H0863

Prepared & Analyzed: 08/18/2021

Bromoform	ND	0.0050	mg/kg wet								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
trans-1,4-dichloro-2-butene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	52.2		ug/L	50.0		104	77-125				
Surrogate: SURR: Toluene-d8	51.6		"	50.0		103	85-120				
Surrogate: SURR: p-Bromofluorobenzene	51.3		"	50.0		103	76-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH11163 - EPA 5035A											
LCS (BH11163-BS1)	LCS						Prepared & Analyzed: 08/18/2021				
1,1,1,2-Tetrachloroethane	57		ug/L	50.0		113	75-129				
1,1,1-Trichloroethane	58		"	50.0		117	71-137				
1,1,2,2-Tetrachloroethane	52		"	50.0		104	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	53		"	50.0		106	58-146				
1,1,2-Trichloroethane	49		"	50.0		97.8	83-123				
1,1-Dichloroethane	49		"	50.0		98.0	75-130				
1,1-Dichloroethylene	54		"	50.0		107	64-137				
1,2,3-Trichlorobenzene	50		"	50.0		100	81-140				
1,2,3-Trichloropropane	54		"	50.0		108	81-126				
1,2,4-Trichlorobenzene	54		"	50.0		108	80-141				
1,2,4-Trimethylbenzene	54		"	50.0		108	84-125				
1,2-Dibromo-3-chloropropane	58		"	50.0		116	74-142				
1,2-Dibromoethane	52		"	50.0		104	86-123				
1,2-Dichlorobenzene	52		"	50.0		104	85-122				
1,2-Dichloroethane	51		"	50.0		102	71-133				
1,2-Dichloropropane	49		"	50.0		97.3	81-122				
1,3,5-Trimethylbenzene	55		"	50.0		110	82-126				
1,3-Dichlorobenzene	52		"	50.0		105	84-124				
1,4-Dichlorobenzene	52		"	50.0		104	84-124				
1,4-Dioxane	1100		"	1050		108	10-228				
2-Butanone	48		"	50.0		96.1	58-147				
2-Hexanone	49		"	50.0		97.2	70-139				
4-Methyl-2-pentanone	49		"	50.0		97.4	72-132				
Acetone	47		"	50.0		93.1	36-155				
Acrolein	27		"	50.0		53.0	10-238				
Acrylonitrile	49		"	50.0		97.7	66-141				
Benzene	50		"	50.0		101	77-127				
Bromochloromethane	47		"	50.0		94.8	74-129				
Bromodichloromethane	57		"	50.0		113	81-124				
Bromoform	52		"	50.0		105	80-136				
Bromomethane	76		"	50.0		152	32-177				
Carbon disulfide	60		"	50.0		120	10-136				
Carbon tetrachloride	55		"	50.0		111	66-143				
Chlorobenzene	52		"	50.0		103	86-120				
Chloroethane	67		"	50.0		134	51-142				
Chloroform	53		"	50.0		107	76-131				
Chloromethane	41		"	50.0		82.3	49-132				
cis-1,2-Dichloroethylene	52		"	50.0		105	74-132				
cis-1,3-Dichloropropylene	55		"	50.0		110	81-129				
Cyclohexane	45		"	50.0		89.4	70-130				
Dibromochloromethane	53		"	50.0		106	10-200				
Dibromomethane	50		"	50.0		99.2	83-124				
Dichlorodifluoromethane	31		"	50.0		62.8	28-158				
Ethyl Benzene	52		"	50.0		104	84-125				
Hexachlorobutadiene	56		"	50.0		112	83-133				
Isopropylbenzene	55		"	50.0		109	81-127				
Methyl acetate	41		"	50.0		82.4	41-143				
Methyl tert-butyl ether (MTBE)	51		"	50.0		102	74-131				
Methylcyclohexane	48		"	50.0		96.0	70-130				
Methylene chloride	48		"	50.0		96.3	57-141				
n-Butylbenzene	58		"	50.0		115	80-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH11163 - EPA 5035A											
LCS (BH11163-BS1)	LCS		Prepared & Analyzed: 08/18/2021								
n-Propylbenzene	53		ug/L	50.0		106	74-136				
o-Xylene	51		"	50.0		102	83-123				
p- & m- Xylenes	110		"	100		105	82-128				
p-Isopropyltoluene	56		"	50.0		113	85-125				
sec-Butylbenzene	58		"	50.0		116	83-125				
Styrene	52		"	50.0		104	86-126				
tert-Butyl alcohol (TBA)	300		"	250		122	70-130				
tert-Butylbenzene	55		"	50.0		109	80-127				
Tetrachloroethylene	50		"	50.0		99.9	80-129				
Toluene	52		"	50.0		104	85-121				
trans-1,2-Dichloroethylene	53		"	50.0		106	72-132				
trans-1,3-Dichloropropylene	50		"	50.0		99.4	78-132				
trans-1,4-dichloro-2-butene	56		"	50.0		111	75-135				
Trichloroethylene	54		"	50.0		107	84-123				
Trichlorofluoromethane	52		"	50.0		105	62-140				
Vinyl Chloride	45		"	50.0		90.6	52-130				
Surrogate: SURR: 1,2-Dichloroethane-d4	51.9		"	50.0		104	77-125				
Surrogate: SURR: Toluene-d8	50.9		"	50.0		102	85-120				
Surrogate: SURR: p-Bromofluorobenzene	51.0		"	50.0		102	76-130				
LCS Dup (BH11163-BSD1)	LCS Dup		Prepared & Analyzed: 08/18/2021								
1,1,1,2-Tetrachloroethane	58		ug/L	50.0		117	75-129		3.07	30	
1,1,1-Trichloroethane	58		"	50.0		116	71-137		0.775	30	
1,1,2,2-Tetrachloroethane	54		"	50.0		108	79-129		3.38	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	53		"	50.0		106	58-146		0.246	30	
1,1,2-Trichloroethane	51		"	50.0		101	83-123		3.32	30	
1,1-Dichloroethane	49		"	50.0		98.5	75-130		0.509	30	
1,1-Dichloroethylene	55		"	50.0		109	64-137		1.90	30	
1,2,3-Trichlorobenzene	53		"	50.0		106	81-140		5.09	30	
1,2,3-Trichloropropane	55		"	50.0		110	81-126		2.24	30	
1,2,4-Trichlorobenzene	55		"	50.0		110	80-141		1.05	30	
1,2,4-Trimethylbenzene	55		"	50.0		110	84-125		2.06	30	
1,2-Dibromo-3-chloropropane	61		"	50.0		121	74-142		4.59	30	
1,2-Dibromoethane	53		"	50.0		107	86-123		2.35	30	
1,2-Dichlorobenzene	53		"	50.0		105	85-122		1.57	30	
1,2-Dichloroethane	52		"	50.0		104	71-133		1.72	30	
1,2-Dichloropropane	49		"	50.0		98.3	81-122		1.10	30	
1,3,5-Trimethylbenzene	56		"	50.0		113	82-126		2.37	30	
1,3-Dichlorobenzene	53		"	50.0		106	84-124		1.23	30	
1,4-Dichlorobenzene	53		"	50.0		106	84-124		1.49	30	
1,4-Dioxane	1100		"	1050		109	10-228		1.53	30	
2-Butanone	57		"	50.0		114	58-147		17.4	30	
2-Hexanone	51		"	50.0		102	70-139		5.03	30	
4-Methyl-2-pentanone	51		"	50.0		101	72-132		3.71	30	
Acetone	50		"	50.0		100	36-155		7.42	30	
Acrolein	26		"	50.0		51.8	10-238		2.33	30	
Acrylonitrile	50		"	50.0		99.1	66-141		1.50	30	
Benzene	51		"	50.0		101	77-127		0.733	30	
Bromochloromethane	47		"	50.0		94.6	74-129		0.211	30	
Bromodichloromethane	58		"	50.0		116	81-124		2.43	30	
Bromoform	53		"	50.0		105	80-136		0.552	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH11163 - EPA 5035A											
LCS Dup (BH11163-BS1)	LCS Dup		Prepared & Analyzed: 08/18/2021								
Bromomethane	75		ug/L	50.0		149	32-177		1.40	30	
Carbon disulfide	60		"	50.0		119	10-136		0.486	30	
Carbon tetrachloride	56		"	50.0		112	66-143		1.13	30	
Chlorobenzene	53		"	50.0		106	86-120		2.49	30	
Chloroethane	66		"	50.0		131	51-142		2.35	30	
Chloroform	54		"	50.0		108	76-131		1.03	30	
Chloromethane	42		"	50.0		83.0	49-132		0.919	30	
cis-1,2-Dichloroethylene	52		"	50.0		103	74-132		1.17	30	
cis-1,3-Dichloropropylene	55		"	50.0		109	81-129		0.146	30	
Cyclohexane	45		"	50.0		90.1	70-130		0.824	30	
Dibromochloromethane	53		"	50.0		107	10-200		1.07	30	
Dibromomethane	51		"	50.0		101	83-124		2.21	30	
Dichlorodifluoromethane	32		"	50.0		63.6	28-158		1.20	30	
Ethyl Benzene	53		"	50.0		106	84-125		1.33	30	
Hexachlorobutadiene	58		"	50.0		116	83-133		3.48	30	
Isopropylbenzene	56		"	50.0		111	81-127		1.67	30	
Methyl acetate	43		"	50.0		86.8	41-143		5.18	30	
Methyl tert-butyl ether (MTBE)	52		"	50.0		103	74-131		1.41	30	
Methylcyclohexane	49		"	50.0		98.4	70-130		2.51	30	
Methylene chloride	48		"	50.0		95.0	57-141		1.30	30	
n-Butylbenzene	58		"	50.0		115	80-130		0.243	30	
n-Propylbenzene	54		"	50.0		108	74-136		1.40	30	
o-Xylene	52		"	50.0		104	83-123		2.22	30	
p- & m- Xylenes	110		"	100		107	82-128		1.28	30	
p-Isopropyltoluene	58		"	50.0		115	85-125		2.02	30	
sec-Butylbenzene	58		"	50.0		117	83-125		0.583	30	
Styrene	53		"	50.0		105	86-126		1.57	30	
tert-Butyl alcohol (TBA)	330		"	250		134	70-130	High Bias	9.47	30	
tert-Butylbenzene	56		"	50.0		112	80-127		2.78	30	
Tetrachloroethylene	50		"	50.0		99.7	80-129		0.160	30	
Toluene	53		"	50.0		106	85-121		2.25	30	
trans-1,2-Dichloroethylene	53		"	50.0		107	72-132		1.28	30	
trans-1,3-Dichloropropylene	50		"	50.0		100	78-132		0.742	30	
trans-1,4-dichloro-2-butene	58		"	50.0		117	75-135		4.66	30	
Trichloroethylene	54		"	50.0		108	84-123		1.22	30	
Trichlorofluoromethane	52		"	50.0		104	62-140		0.517	30	
Vinyl Chloride	45		"	50.0		89.1	52-130		1.67	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	51.5		"	50.0		103	77-125				
Surrogate: SURR: Toluene-d8	51.6		"	50.0		103	85-120				
Surrogate: SURR: p-Bromofluorobenzene	51.0		"	50.0		102	76-130				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH11102 - EPA 3546 SVOA

Blank (BH11102-BLK1)	Blank									Prepared & Analyzed: 08/20/2021	
1,1-Biphenyl	ND	0.0416	mg/kg wet								
1,2,4,5-Tetrachlorobenzene	ND	0.0830	"								
1,2,4-Trichlorobenzene	ND	0.0416	"								
1,2-Dichlorobenzene	ND	0.0416	"								
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.0416	"								
1,3-Dichlorobenzene	ND	0.0416	"								
1,4-Dichlorobenzene	ND	0.0416	"								
2,3,4,6-Tetrachlorophenol	ND	0.0830	"								
2,4,5-Trichlorophenol	ND	0.0416	"								
2,4,6-Trichlorophenol	ND	0.0416	"								
2,4-Dichlorophenol	ND	0.0416	"								
2,4-Dimethylphenol	ND	0.0416	"								
2,4-Dinitrophenol	ND	0.0830	"								
2,4-Dinitrotoluene	ND	0.0416	"								
2,6-Dinitrotoluene	ND	0.0416	"								
2-Chloronaphthalene	ND	0.0416	"								
2-Chlorophenol	ND	0.0416	"								
2-Methylnaphthalene	ND	0.0416	"								
2-Methylphenol	ND	0.0416	"								
2-Nitroaniline	ND	0.0830	"								
2-Nitrophenol	ND	0.0416	"								
3- & 4-Methylphenols	ND	0.0416	"								
3,3-Dichlorobenzidine	ND	0.0416	"								
3-Nitroaniline	ND	0.0830	"								
4,6-Dinitro-2-methylphenol	ND	0.0830	"								
4-Bromophenyl phenyl ether	ND	0.0416	"								
4-Chloro-3-methylphenol	ND	0.0416	"								
4-Chloroaniline	ND	0.0416	"								
4-Chlorophenyl phenyl ether	ND	0.0416	"								
4-Nitroaniline	ND	0.0830	"								
4-Nitrophenol	ND	0.0830	"								
Acenaphthene	ND	0.0416	"								
Acenaphthylene	ND	0.0416	"								
Acetophenone	ND	0.0416	"								
Aniline	ND	0.166	"								
Anthracene	ND	0.0416	"								
Atrazine	ND	0.0416	"								
Benzaldehyde	ND	0.0416	"								
Benzidine	ND	0.166	"								
Benzo(a)anthracene	ND	0.0416	"								
Benzo(a)pyrene	ND	0.0416	"								
Benzo(b)fluoranthene	ND	0.0416	"								
Benzo(g,h,i)perylene	ND	0.0416	"								
Benzo(k)fluoranthene	ND	0.0416	"								
Benzoic acid	ND	0.0416	"								
Benzyl alcohol	ND	0.0416	"								
Benzyl butyl phthalate	ND	0.0416	"								
Bis(2-chloroethoxy)methane	ND	0.0416	"								
Bis(2-chloroethyl)ether	ND	0.0416	"								
Bis(2-chloroisopropyl)ether	ND	0.0416	"								
Bis(2-ethylhexyl)phthalate	ND	0.0416	"								



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH11102 - EPA 3546 SVOA

Blank (BH11102-BLK1)	Blank	Prepared & Analyzed: 08/20/2021									
Caprolactam	ND	0.0830	mg/kg wet								
Carbazole	ND	0.0416	"								
Chrysene	ND	0.0416	"								
Dibenzo(a,h)anthracene	ND	0.0416	"								
Dibenzofuran	ND	0.0416	"								
Diethyl phthalate	0.167	0.0416	"								
Dimethyl phthalate	0.0465	0.0416	"								
Di-n-butyl phthalate	ND	0.0416	"								
Di-n-octyl phthalate	ND	0.0416	"								
Diphenylamine	ND	0.0830	"								
Fluoranthene	ND	0.0416	"								
Fluorene	ND	0.0416	"								
Hexachlorobenzene	ND	0.0416	"								
Hexachlorobutadiene	ND	0.0416	"								
Hexachlorocyclopentadiene	ND	0.0416	"								
Hexachloroethane	ND	0.0416	"								
Indeno(1,2,3-cd)pyrene	ND	0.0416	"								
Isophorone	ND	0.0416	"								
Naphthalene	ND	0.0416	"								
Nitrobenzene	ND	0.0416	"								
N-Nitrosodimethylamine	ND	0.0416	"								
N-nitroso-di-n-propylamine	ND	0.0416	"								
N-Nitrosodiphenylamine	ND	0.0416	"								
Pentachlorophenol	ND	0.0416	"								
Phenanthrene	ND	0.0416	"								
Phenol	ND	0.0416	"								
Pyrene	ND	0.0416	"								
Surrogate: SURR: 2-Fluorophenol	1.32		"	1.66		79.4	20-108				
Surrogate: SURR: Phenol-d5	1.29		"	1.66		77.4	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.710		"	0.831		85.5	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.646		"	0.831		77.8	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	1.59		"	1.66		95.7	19-110				
Surrogate: SURR: Terphenyl-d14	0.727		"	0.831		87.5	24-116				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH11102 - EPA 3546 SVOA											
LCS (BH11102-BS1)	LCS		Prepared & Analyzed: 08/20/2021								
1,1-Biphenyl	0.528	0.0416	mg/kg wet	0.831		63.6	18-111				
1,2,4,5-Tetrachlorobenzene	0.590	0.0830	"	0.831		71.1	21-131				
1,2,4-Trichlorobenzene	0.523	0.0416	"	0.831		63.0	10-140				
1,2-Dichlorobenzene	0.483	0.0416	"	0.831		58.1	34-108				
1,2-Diphenylhydrazine (as Azobenzene)	0.446	0.0416	"	0.831		53.7	17-137				
1,3-Dichlorobenzene	0.475	0.0416	"	0.831		57.2	33-110				
1,4-Dichlorobenzene	0.479	0.0416	"	0.831		57.7	32-104				
2,3,4,6-Tetrachlorophenol	0.558	0.0830	"	0.831		67.2	30-130				
2,4,5-Trichlorophenol	0.540	0.0416	"	0.831		65.0	27-118				
2,4,6-Trichlorophenol	0.540	0.0416	"	0.831		65.0	31-120				
2,4-Dichlorophenol	0.558	0.0416	"	0.831		67.2	20-127				
2,4-Dimethylphenol	0.552	0.0416	"	0.831		66.5	14-132				
2,4-Dinitrophenol	0.786	0.0830	"	0.831		94.6	10-171				
2,4-Dinitrotoluene	0.618	0.0416	"	0.831		74.4	34-131				
2,6-Dinitrotoluene	0.616	0.0416	"	0.831		74.2	31-128				
2-Chloronaphthalene	0.479	0.0416	"	0.831		57.6	31-117				
2-Chlorophenol	0.509	0.0416	"	0.831		61.3	33-113				
2-Methylnaphthalene	0.550	0.0416	"	0.831		66.3	12-138				
2-Methylphenol	0.512	0.0416	"	0.831		61.6	10-136				
2-Nitroaniline	0.584	0.0830	"	0.831		70.4	27-132				
2-Nitrophenol	0.732	0.0416	"	0.831		88.1	17-129				
3- & 4-Methylphenols	0.453	0.0416	"	0.831		54.6	29-103				
3,3-Dichlorobenzidine	1.03	0.0416	"	0.831		124	22-149				
3-Nitroaniline	0.547	0.0830	"	0.831		65.8	20-133				
4,6-Dinitro-2-methylphenol	0.853	0.0830	"	0.831		103	10-143				
4-Bromophenyl phenyl ether	0.549	0.0416	"	0.831		66.0	29-120				
4-Chloro-3-methylphenol	0.558	0.0416	"	0.831		67.2	24-129				
4-Chloroaniline	0.402	0.0416	"	0.831		48.4	10-132				
4-Chlorophenyl phenyl ether	0.504	0.0416	"	0.831		60.7	27-124				
4-Nitroaniline	0.516	0.0830	"	0.831		62.1	16-128				
4-Nitrophenol	0.500	0.0830	"	0.831		60.2	10-141				
Acenaphthene	0.486	0.0416	"	0.831		58.5	30-121				
Acenaphthylene	0.455	0.0416	"	0.831		54.8	30-115				
Acetophenone	0.586	0.0416	"	0.831		70.6	20-112				
Aniline	0.441	0.166	"	0.831		53.1	10-119				
Anthracene	0.509	0.0416	"	0.831		61.3	34-118				
Atrazine	0.738	0.0416	"	0.831		88.9	26-112				
Benzaldehyde	0.570	0.0416	"	0.831		68.6	21-100				
Benzo(a)anthracene	0.524	0.0416	"	0.831		63.0	32-122				
Benzo(a)pyrene	0.577	0.0416	"	0.831		69.5	29-133				
Benzo(b)fluoranthene	0.544	0.0416	"	0.831		65.5	25-133				
Benzo(g,h,i)perylene	0.529	0.0416	"	0.831		63.6	10-143				
Benzo(k)fluoranthene	0.508	0.0416	"	0.831		61.2	25-128				
Benzoic acid	0.360	0.0416	"	0.831		43.4	10-140				
Benzyl alcohol	0.511	0.0416	"	0.831		61.6	30-115				
Benzyl butyl phthalate	0.553	0.0416	"	0.831		66.6	26-126				
Bis(2-chloroethoxy)methane	0.477	0.0416	"	0.831		57.4	19-132				
Bis(2-chloroethyl)ether	0.449	0.0416	"	0.831		54.1	19-125				
Bis(2-chloroisopropyl)ether	0.384	0.0416	"	0.831		46.2	20-135				
Bis(2-ethylhexyl)phthalate	0.652	0.0416	"	0.831		78.5	10-155				
Caprolactam	0.929	0.0830	"	0.831		112	10-127				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH11102 - EPA 3546 SVOA

LCS (BH11102-BS1)	LCS	Prepared & Analyzed: 08/20/2021									
Carbazole	0.485	0.0416	mg/kg wet	0.831		58.4	35-123				
Chrysene	0.488	0.0416	"	0.831		58.8	32-123				
Dibenzo(a,h)anthracene	0.617	0.0416	"	0.831		74.3	10-136				
Dibenzofuran	0.481	0.0416	"	0.831		57.9	29-121				
Diethyl phthalate	0.558	0.0416	"	0.831		67.2	34-116				
Dimethyl phthalate	0.510	0.0416	"	0.831		61.4	35-124				
Di-n-butyl phthalate	0.541	0.0416	"	0.831		65.1	31-116				
Di-n-octyl phthalate	0.647	0.0416	"	0.831		77.8	26-136				
Diphenylamine	0.614	0.0830	"	0.831		74.0	40-140				
Fluoranthene	0.499	0.0416	"	0.831		60.0	33-122				
Fluorene	0.488	0.0416	"	0.831		58.7	29-123				
Hexachlorobenzene	0.492	0.0416	"	0.831		59.2	21-124				
Hexachlorobutadiene	0.527	0.0416	"	0.831		63.5	10-149				
Hexachlorocyclopentadiene	0.494	0.0416	"	0.831		59.4	10-129				
Hexachloroethane	0.465	0.0416	"	0.831		56.0	28-108				
Indeno(1,2,3-cd)pyrene	0.587	0.0416	"	0.831		70.6	10-135				
Isophorone	0.467	0.0416	"	0.831		56.2	20-132				
Naphthalene	0.505	0.0416	"	0.831		60.8	23-124				
Nitrobenzene	0.492	0.0416	"	0.831		59.2	13-132				
N-Nitrosodimethylamine	0.402	0.0416	"	0.831		48.4	11-129				
N-nitroso-di-n-propylamine	0.449	0.0416	"	0.831		54.0	24-119				
N-Nitrosodiphenylamine	0.600	0.0416	"	0.831		72.3	22-152				
Pentachlorophenol	0.584	0.0416	"	0.831		70.3	10-139				
Phenanthrene	0.471	0.0416	"	0.831		56.8	33-123				
Phenol	0.471	0.0416	"	0.831		56.7	23-115				
Pyrene	0.481	0.0416	"	0.831		57.9	32-130				
Surrogate: SURR: 2-Fluorophenol	0.981		"	1.66		59.1	20-108				
Surrogate: SURR: Phenol-d5	0.946		"	1.66		57.0	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.534		"	0.831		64.3	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.474		"	0.831		57.1	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	1.25		"	1.66		75.2	19-110				
Surrogate: SURR: Terphenyl-d14	0.530		"	0.831		63.8	24-116				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH11102 - EPA 3546 SVOA											
Matrix Spike (BH11102-MS1)	Matrix Spike	*Source sample: 21H0872-03 (Matrix Spike)						Prepared & Analyzed: 08/20/2021			
1,1-Biphenyl	0.523	0.0904	mg/kg dry	0.904	ND	57.8	10-130				
1,2,4,5-Tetrachlorobenzene	0.632	0.181	"	0.904	ND	70.0	10-133				
1,2,4-Trichlorobenzene	0.536	0.0904	"	0.904	ND	59.4	10-127				
1,2-Dichlorobenzene	0.510	0.0904	"	0.904	ND	56.5	14-111				
1,2-Diphenylhydrazine (as Azobenzene)	0.493	0.0904	"	0.904	ND	54.6	10-144				
1,3-Dichlorobenzene	0.497	0.0904	"	0.904	ND	55.0	11-111				
1,4-Dichlorobenzene	0.500	0.0904	"	0.904	ND	55.4	10-106				
2,3,4,6-Tetrachlorophenol	0.564	0.181	"	0.904	ND	62.4	30-130				
2,4,5-Trichlorophenol	0.556	0.0904	"	0.904	ND	61.5	10-127				
2,4,6-Trichlorophenol	0.575	0.0904	"	0.904	ND	63.6	10-132				
2,4-Dichlorophenol	0.570	0.0904	"	0.904	ND	63.1	10-128				
2,4-Dimethylphenol	0.568	0.0904	"	0.904	ND	62.9	10-137				
2,4-Dinitrophenol	0.196	0.181	"	0.904	ND	21.7	10-171				
2,4-Dinitrotoluene	0.617	0.0904	"	0.904	ND	68.2	16-135				
2,6-Dinitrotoluene	0.650	0.0904	"	0.904	ND	71.9	18-131				
2-Chloronaphthalene	0.494	0.0904	"	0.904	ND	54.6	10-129				
2-Chlorophenol	0.536	0.0904	"	0.904	ND	59.4	15-116				
2-Methylnaphthalene	0.619	0.0904	"	0.904	0.0671	61.1	10-147				
2-Methylphenol	0.534	0.0904	"	0.904	ND	59.1	10-136				
2-Nitroaniline	0.614	0.181	"	0.904	ND	67.9	10-137				
2-Nitrophenol	0.754	0.0904	"	0.904	ND	83.4	10-129				
3- & 4-Methylphenols	0.495	0.0904	"	0.904	ND	54.8	10-123				
3,3-Dichlorobenzidine	0.986	0.0904	"	0.904	ND	109	10-155				
3-Nitroaniline	0.605	0.181	"	0.904	ND	67.0	12-133				
4,6-Dinitro-2-methylphenol	0.318	0.181	"	0.904	ND	35.2	10-155				
4-Bromophenyl phenyl ether	0.585	0.0904	"	0.904	ND	64.7	14-128				
4-Chloro-3-methylphenol	0.587	0.0904	"	0.904	ND	65.0	10-134				
4-Chloroaniline	0.446	0.0904	"	0.904	ND	49.4	10-145				
4-Chlorophenyl phenyl ether	0.536	0.0904	"	0.904	ND	59.3	14-130				
4-Nitroaniline	0.535	0.181	"	0.904	ND	59.2	10-147				
4-Nitrophenol	0.511	0.181	"	0.904	ND	56.6	10-137				
Acenaphthene	0.695	0.0904	"	0.904	0.165	58.7	10-146				
Acenaphthylene	0.791	0.0904	"	0.904	0.514	30.6	10-134				
Acetophenone	0.588	0.0904	"	0.904	ND	65.0	10-116				
Aniline	0.464	0.362	"	0.904	ND	51.4	10-123				
Anthracene	0.788	0.0904	"	0.904	0.302	53.7	10-142				
Atrazine	0.666	0.0904	"	0.904	ND	73.7	19-115				
Benzaldehyde	0.567	0.0904	"	0.904	ND	62.8	10-125				
Benzo(a)anthracene	1.13	0.0904	"	0.904	0.686	48.7	10-158				
Benzo(a)pyrene	1.43	0.0904	"	0.904	1.22	23.2	10-180				
Benzo(b)fluoranthene	1.13	0.0904	"	0.904	0.783	38.6	10-200				
Benzo(g,h,i)perylene	0.971	0.0904	"	0.904	0.581	43.3	10-138				
Benzo(k)fluoranthene	1.02	0.0904	"	0.904	0.639	41.6	10-197				
Benzoic acid	0.186	0.0904	"	0.904	ND	20.6	10-166				
Benzyl alcohol	0.538	0.0904	"	0.904	ND	59.5	12-124				
Benzyl butyl phthalate	0.597	0.0904	"	0.904	ND	66.1	10-154				
Bis(2-chloroethoxy)methane	0.500	0.0904	"	0.904	ND	55.4	10-132				
Bis(2-chloroethyl)ether	0.485	0.0904	"	0.904	ND	53.7	10-119				
Bis(2-chloroisopropyl)ether	0.409	0.0904	"	0.904	ND	45.3	10-139				
Bis(2-ethylhexyl)phthalate	0.700	0.0904	"	0.904	ND	77.4	10-167				
Caprolactam	0.837	0.181	"	0.904	ND	92.6	10-132				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH11102 - EPA 3546 SVOA

Matrix Spike (BH11102-MS1)	Matrix Spike	*Source sample: 21H0872-03 (Matrix Spike)						Prepared & Analyzed: 08/20/2021			
Carbazole	0.549	0.0904	mg/kg dry	0.904	0.0487	55.4	10-167				
Chrysene	1.04	0.0904	"	0.904	0.627	46.0	10-156				
Dibenzo(a,h)anthracene	0.840	0.0904	"	0.904	0.163	74.9	10-137				
Dibenzofuran	0.546	0.0904	"	0.904	ND	60.4	10-147				
Diethyl phthalate	0.612	0.0904	"	0.904	0.112	55.3	20-120				
Dimethyl phthalate	0.554	0.0904	"	0.904	ND	61.3	18-131				
Di-n-butyl phthalate	0.589	0.0904	"	0.904	ND	65.2	10-137				
Di-n-octyl phthalate	0.710	0.0904	"	0.904	ND	78.6	10-180				
Diphenylamine	0.660	0.181	"	0.904	ND	73.0	40-140				
Fluoranthene	1.40	0.0904	"	0.904	1.12	30.9	10-160				
Fluorene	0.687	0.0904	"	0.904	0.0615	69.2	10-157				
Hexachlorobenzene	0.532	0.0904	"	0.904	ND	58.9	10-137				
Hexachlorobutadiene	0.541	0.0904	"	0.904	ND	59.8	10-132				
Hexachlorocyclopentadiene	0.267	0.0904	"	0.904	ND	29.6	10-106				
Hexachloroethane	0.496	0.0904	"	0.904	ND	54.9	10-110				
Indeno(1,2,3-cd)pyrene	1.14	0.0904	"	0.904	0.742	44.2	10-144				
Isophorone	0.494	0.0904	"	0.904	ND	54.7	10-132				
Naphthalene	0.608	0.0904	"	0.904	0.0975	56.5	10-141				
Nitrobenzene	0.510	0.0904	"	0.904	ND	56.5	10-131				
N-Nitrosodimethylamine	0.432	0.0904	"	0.904	ND	47.8	10-126				
N-nitroso-di-n-propylamine	0.466	0.0904	"	0.904	ND	51.5	10-125				
N-Nitrosodiphenylamine	0.645	0.0904	"	0.904	ND	71.4	10-177				
Pentachlorophenol	0.505	0.0904	"	0.904	ND	55.8	10-153				
Phenanthrene	1.11	0.0904	"	0.904	0.578	59.2	10-148				
Phenol	0.518	0.0904	"	0.904	ND	57.3	10-126				
Pyrene	1.74	0.0904	"	0.904	1.51	25.0	10-165				
Surrogate: SURR: 2-Fluorophenol	0.962		"	1.81		53.2	20-108				
Surrogate: SURR: Phenol-d5	0.965		"	1.81		53.4	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.533		"	0.904		59.0	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.468		"	0.904		51.8	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	1.18		"	1.81		65.1	19-110				
Surrogate: SURR: Terphenyl-d14	0.531		"	0.904		58.8	24-116				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH11102 - EPA 3546 SVOA											
Matrix Spike Dup (BH11102-3)						Source sample: 21H0872-03 (Matrix Spike Dup)					
						Prepared & Analyzed: 08/20/2021					
1,1-Biphenyl	0.680	0.0904	mg/kg dry	0.904	ND	75.3	10-130		26.2	30	
1,2,4,5-Tetrachlorobenzene	0.462	0.181	"	0.904	ND	51.1	10-133		31.2	30	Non-dir.
1,2,4-Trichlorobenzene	0.393	0.0904	"	0.904	ND	43.5	10-127		30.8	30	Non-dir.
1,2-Dichlorobenzene	0.369	0.0904	"	0.904	ND	40.8	14-111		32.2	30	Non-dir.
1,2-Diphenylhydrazine (as Azobenzene)	0.367	0.0904	"	0.904	ND	40.6	10-144		29.2	30	
1,3-Dichlorobenzene	0.364	0.0904	"	0.904	ND	40.3	11-111		30.9	30	Non-dir.
1,4-Dichlorobenzene	0.366	0.0904	"	0.904	ND	40.6	10-106		30.9	30	Non-dir.
2,3,4,6-Tetrachlorophenol	0.403	0.181	"	0.904	ND	44.6	30-130		33.2	30	Non-dir.
2,4,5-Trichlorophenol	0.406	0.0904	"	0.904	ND	44.9	10-127		31.3	30	Non-dir.
2,4,6-Trichlorophenol	0.421	0.0904	"	0.904	ND	46.6	10-132		30.8	30	Non-dir.
2,4-Dichlorophenol	0.430	0.0904	"	0.904	ND	47.6	10-128		28.0	30	
2,4-Dimethylphenol	0.417	0.0904	"	0.904	ND	46.2	10-137		30.7	30	Non-dir.
2,4-Dinitrophenol	0.214	0.181	"	0.904	ND	23.7	10-171		8.82	30	
2,4-Dinitrotoluene	0.434	0.0904	"	0.904	ND	48.0	16-135		34.8	30	Non-dir.
2,6-Dinitrotoluene	0.472	0.0904	"	0.904	ND	52.2	18-131		31.7	30	Non-dir.
2-Chloronaphthalene	0.379	0.0904	"	0.904	ND	41.9	10-129		26.3	30	
2-Chlorophenol	0.398	0.0904	"	0.904	ND	44.0	15-116		29.7	30	
2-Methylnaphthalene	0.487	0.0904	"	0.904	0.0671	46.5	10-147		23.8	30	
2-Methylphenol	0.381	0.0904	"	0.904	ND	42.2	10-136		33.5	30	Non-dir.
2-Nitroaniline	0.468	0.181	"	0.904	ND	51.8	10-137		27.0	30	
2-Nitrophenol	0.561	0.0904	"	0.904	ND	62.1	10-129		29.4	30	
3- & 4-Methylphenols	0.356	0.0904	"	0.904	ND	39.4	10-123		32.8	30	Non-dir.
3,3-Dichlorobenzidine	0.348	0.0904	"	0.904	ND	38.6	10-155		95.6	30	Non-dir.
3-Nitroaniline	0.395	0.181	"	0.904	ND	43.7	12-133		42.1	30	Non-dir.
4,6-Dinitro-2-methylphenol	0.197	0.181	"	0.904	ND	21.8	10-155		46.8	30	Non-dir.
4-Bromophenyl phenyl ether	0.422	0.0904	"	0.904	ND	46.7	14-128		32.3	30	Non-dir.
4-Chloro-3-methylphenol	0.442	0.0904	"	0.904	ND	48.9	10-134		28.3	30	
4-Chloroaniline	0.309	0.0904	"	0.904	ND	34.2	10-145		36.2	30	Non-dir.
4-Chlorophenyl phenyl ether	0.385	0.0904	"	0.904	ND	42.6	14-130		32.8	30	Non-dir.
4-Nitroaniline	0.335	0.181	"	0.904	ND	37.1	10-147		45.8	30	Non-dir.
4-Nitrophenol	0.356	0.181	"	0.904	ND	39.4	10-137		35.9	30	Non-dir.
Acenaphthene	0.565	0.0904	"	0.904	0.165	44.3	10-146		20.5	30	
Acenaphthylene	0.708	0.0904	"	0.904	0.514	21.4	10-134		11.1	30	
Acetophenone	0.738	0.0904	"	0.904	ND	81.7	10-116		22.7	30	
Aniline	0.313	0.362	"	0.904	ND	34.6	10-123		38.9	30	Non-dir.
Anthracene	0.625	0.0904	"	0.904	0.302	35.7	10-142		23.0	30	
Atrazine	0.909	0.0904	"	0.904	ND	101	19-115		30.9	30	Non-dir.
Benzaldehyde	0.786	0.0904	"	0.904	ND	87.0	10-125		32.3	30	Non-dir.
Benzo(a)anthracene	0.971	0.0904	"	0.904	0.686	31.5	10-158		14.8	30	
Benzo(a)pyrene	1.27	0.0904	"	0.904	1.22	5.14	10-180	Low Bias	12.1	30	
Benzo(b)fluoranthene	0.982	0.0904	"	0.904	0.783	22.0	10-200		14.2	30	
Benzo(g,h,i)perylene	0.813	0.0904	"	0.904	0.581	25.7	10-138		17.7	30	
Benzo(k)fluoranthene	0.878	0.0904	"	0.904	0.639	26.4	10-197		14.5	30	
Benzoic acid	0.190	0.0904	"	0.904	ND	21.0	10-166		1.92	30	
Benzyl alcohol	0.382	0.0904	"	0.904	ND	42.2	12-124		34.0	30	Non-dir.
Benzyl butyl phthalate	0.453	0.0904	"	0.904	ND	50.2	10-154		27.4	30	
Bis(2-chloroethoxy)methane	0.374	0.0904	"	0.904	ND	41.4	10-132		28.8	30	
Bis(2-chloroethyl)ether	0.354	0.0904	"	0.904	ND	39.2	10-119		31.2	30	Non-dir.
Bis(2-chloroisopropyl)ether	0.299	0.0904	"	0.904	ND	33.0	10-139		31.3	30	Non-dir.
Bis(2-ethylhexyl)phthalate	0.549	0.0904	"	0.904	ND	60.8	10-167		24.1	30	
Caprolactam	1.12	0.181	"	0.904	ND	124	10-132		28.8	30	



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH11102 - EPA 3546 SVOA

Matrix Spike Dup (BH11102-M) Matrix Spike Dup					Source sample: 21H0872-03 (Matrix Spike Dup)							Prepared & Analyzed: 08/20/2021	
Carbazole	0.429	0.0904	mg/kg dry	0.904	0.0487	42.1	10-167		24.5	30			
Chrysene	0.903	0.0904	"	0.904	0.627	30.5	10-156		14.4	30			
Dibenzo(a,h)anthracene	0.705	0.0904	"	0.904	0.163	59.9	10-137		17.5	30			
Dibenzofuran	0.429	0.0904	"	0.904	ND	47.5	10-147		23.9	30			
Diethyl phthalate	0.468	0.0904	"	0.904	0.112	39.4	20-120		26.7	30			
Dimethyl phthalate	0.403	0.0904	"	0.904	ND	44.6	18-131		31.6	30	Non-dir.		
Di-n-butyl phthalate	0.440	0.0904	"	0.904	ND	48.7	10-137		28.9	30			
Di-n-octyl phthalate	0.540	0.0904	"	0.904	ND	59.8	10-180		27.2	30			
Diphenylamine	0.489	0.181	"	0.904	ND	54.2	40-140		29.7	30			
Fluoranthene	1.26	0.0904	"	0.904	1.12	15.8	10-160		10.3	30			
Fluorene	0.511	0.0904	"	0.904	0.0615	49.8	10-157		29.3	30			
Hexachlorobenzene	0.382	0.0904	"	0.904	ND	42.3	10-137		32.7	30	Non-dir.		
Hexachlorobutadiene	0.406	0.0904	"	0.904	ND	44.9	10-132		28.6	30			
Hexachlorocyclopentadiene	0.121	0.0904	"	0.904	ND	13.4	10-106		75.1	30	Non-dir.		
Hexachloroethane	0.330	0.0904	"	0.904	ND	36.6	10-110		40.1	30	Non-dir.		
Indeno(1,2,3-cd)pyrene	0.969	0.0904	"	0.904	0.742	25.1	10-144		16.4	30			
Isophorone	0.368	0.0904	"	0.904	ND	40.7	10-132		29.3	30			
Naphthalene	0.486	0.0904	"	0.904	0.0975	43.1	10-141		22.2	30			
Nitrobenzene	0.378	0.0904	"	0.904	ND	41.8	10-131		29.8	30			
N-Nitrosodimethylamine	0.301	0.0904	"	0.904	ND	33.3	10-126		35.7	30	Non-dir.		
N-nitroso-di-n-propylamine	0.346	0.0904	"	0.904	ND	38.3	10-125		29.4	30			
N-Nitrosodiphenylamine	0.498	0.0904	"	0.904	ND	55.1	10-177		25.8	30			
Pentachlorophenol	0.353	0.0904	"	0.904	ND	39.0	10-153		35.4	30	Non-dir.		
Phenanthrene	0.789	0.0904	"	0.904	0.578	23.4	10-148		34.0	30	Non-dir.		
Phenol	0.366	0.0904	"	0.904	ND	40.6	10-126		34.2	30	Non-dir.		
Pyrene	1.59	0.0904	"	0.904	1.51	8.69	10-165	Low Bias	8.87	30			
Surrogate: SURR: 2-Fluorophenol	1.24		"	1.81		68.7	20-108						
Surrogate: SURR: Phenol-d5	1.24		"	1.81		68.7	23-114						
Surrogate: SURR: Nitrobenzene-d5	0.700		"	0.904		77.5	22-108						
Surrogate: SURR: 2-Fluorobiphenyl	0.618		"	0.904		68.4	21-113						
Surrogate: SURR: 2,4,6-Tribromophenol	1.59		"	1.81		87.8	19-110						
Surrogate: SURR: Terphenyl-d14	0.692		"	0.904		76.6	24-116						



Polychlorinated Biphenyls by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH11135 - EPA 3550C											
Blank (BH11135-BLK2)	Blank							Prepared: 08/20/2021 Analyzed: 08/23/2021			
Aroclor 1016	ND	0.0166	mg/kg wet								
Aroclor 1221	ND	0.0166	"								
Aroclor 1232	ND	0.0166	"								
Aroclor 1242	ND	0.0166	"								
Aroclor 1248	ND	0.0166	"								
Aroclor 1254	ND	0.0166	"								
Aroclor 1260	ND	0.0166	"								
Total PCBs	ND	0.0166	"								
Surrogate: Tetrachloro-m-xylene	0.0605		"	0.0664		91.0	30-140				
Surrogate: Decachlorobiphenyl	0.0449		"	0.0664		67.5	30-140				
LCS (BH11135-BS2)	LCS							Prepared: 08/20/2021 Analyzed: 08/23/2021			
Aroclor 1016	0.330	0.0166	mg/kg wet	0.332		99.4	40-130				
Aroclor 1260	0.309	0.0166	"	0.332		93.1	40-130				
Surrogate: Tetrachloro-m-xylene	0.0465		"	0.0664		70.0	30-140				
Surrogate: Decachlorobiphenyl	0.0326		"	0.0664		49.0	30-140				
Matrix Spike (BH11135-MS2)	Matrix Spike	*Source sample: 21H0841-03 (Matrix Spike)						Prepared: 08/20/2021 Analyzed: 08/23/2021			
Aroclor 1016	0.0580	0.0177	mg/kg dry	0.355	ND	16.3	40-140	Low Bias			
Aroclor 1260	0.151	0.0177	"	0.355	ND	42.4	40-140				
Surrogate: Tetrachloro-m-xylene	0.0529		"	0.0710		74.5	30-140				
Surrogate: Decachlorobiphenyl	0.0284		"	0.0710		40.0	30-140				
Matrix Spike Dup (BH11135-MS2)	Matrix Spike Dup	*Source sample: 21H0841-03 (Matrix Spike Dup)						Prepared: 08/20/2021 Analyzed: 08/23/2021			
Aroclor 1016	0.112	0.0177	mg/kg dry	0.355	ND	31.5	40-140	Low Bias	63.4	50	Non-dir.
Aroclor 1260	0.164	0.0177	"	0.355	ND	46.3	40-140		8.84	50	
Surrogate: Tetrachloro-m-xylene	0.0423		"	0.0710		59.5	30-140				
Surrogate: Decachlorobiphenyl	0.0252		"	0.0710		35.5	30-140				



Polychlorinated Biphenyls by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch Y1H2352 - BH11205

Aroclor Reference (Y1H2352)- Aroclor Reference

Prepared & Analyzed: 08/23/2021

Surrogate: Tetrachloro-m-xylene	0.189		ug/mL	0.200		94.5					
Surrogate: Decachlorobiphenyl	0.171		"	0.200		85.5					



Metals by ICP - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH11251 - EPA 3050B

Blank (BH11251-BLK1)	Blank										Prepared: 08/23/2021 Analyzed: 08/24/2021	
Aluminum	ND	5.00	mg/kg wet									
Antimony	ND	2.50	"									
Arsenic	ND	1.50	"									
Barium	ND	2.50	"									
Beryllium	ND	0.050	"									
Cadmium	ND	0.300	"									
Calcium	5.35	5.00	"									
Chromium	ND	0.500	"									
Cobalt	ND	0.400	"									
Copper	ND	2.00	"									
Iron	ND	25.0	"									
Lead	ND	0.500	"									
Magnesium	ND	5.00	"									
Manganese	ND	0.500	"									
Nickel	ND	1.00	"									
Potassium	ND	5.00	"									
Selenium	ND	2.50	"									
Silver	ND	0.500	"									
Sodium	ND	50.0	"									
Thallium	ND	2.50	"									
Vanadium	ND	1.00	"									
Zinc	ND	2.50	"									

Duplicate (BH11251-DUP1)	Duplicate										*Source sample: 21H0872-13 (Duplicate)		Prepared: 08/23/2021 Analyzed: 08/24/2021	
Aluminum	10100	5.35	mg/kg dry		11900				16.0	35				
Antimony	ND	2.68	"		ND					35				
Arsenic	3.20	1.61	"		3.50				9.13	35				
Barium	46.3	2.68	"		43.6				6.05	35				
Beryllium	ND	0.054	"		ND					35				
Cadmium	ND	0.321	"		ND					35				
Calcium	5460	5.35	"		4280				24.1	35				
Chromium	19.5	0.535	"		19.9				2.42	35				
Cobalt	8.04	0.428	"		7.92				1.41	35				
Copper	15.8	2.14	"		16.0				1.58	35				
Iron	15400	26.8	"		20700				29.4	35				
Lead	19.1	0.535	"		18.4				4.10	35				
Magnesium	3750	5.35	"		4660				21.6	35				
Manganese	357	0.535	"		490				31.5	35				
Nickel	34.0	1.07	"		30.9				9.33	35				
Potassium	1520	5.35	"		1420				6.47	35				
Selenium	ND	2.68	"		ND					35				
Silver	ND	0.535	"		ND					35				
Sodium	174	53.5	"		141				20.6	35				
Thallium	ND	2.68	"		ND					35				
Vanadium	26.2	1.07	"		29.8				12.9	35				
Zinc	43.6	2.68	"		47.0				7.54	35				



Metals by ICP - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH11251 - EPA 3050B

Matrix Spike (BH11251-MS1)	Matrix Spike	*Source sample: 21H0872-13 (Matrix Spike)						Prepared: 08/23/2021 Analyzed: 08/24/2021			
Aluminum	9900	5.35	mg/kg dry	214	11900	NR	75-125	Low Bias			
Antimony	8.40	2.68	"	26.8	ND	31.4	75-125	Low Bias			
Arsenic	221	1.61	"	214	3.50	102	75-125				
Barium	284	2.68	"	214	43.6	112	75-125				
Beryllium	5.47	0.054	"	5.35	ND	102	75-125				
Cadmium	5.65	0.321	"	5.35	ND	106	75-125				
Calcium	4340	5.35	"	107	4280	55.5	75-125	Low Bias			
Chromium	41.1	0.535	"	21.4	19.9	99.0	75-125				
Cobalt	67.2	0.428	"	53.5	7.92	111	75-125				
Copper	46.2	2.14	"	26.8	16.0	113	75-125				
Iron	15200	26.8	"	107	20700	NR	75-125	Low Bias			
Lead	83.4	0.535	"	53.5	18.4	121	75-125				
Magnesium	3550	5.35	"	107	4660	NR	75-125	Low Bias			
Manganese	404	0.535	"	53.5	490	NR	75-125	Low Bias			
Nickel	93.9	1.07	"	53.5	30.9	118	75-125				
Potassium	1530	5.35	"	107	1420	104	75-125				
Selenium	178	2.68	"	214	ND	82.9	75-125				
Silver	5.06	0.535	"	5.35	ND	94.5	75-125				
Sodium	289	53.5	"	107	141	138	75-125	High Bias			
Thallium	209	2.68	"	214	ND	97.4	75-125				
Vanadium	81.5	1.07	"	53.5	29.8	96.6	75-125				
Zinc	102	2.68	"	53.5	47.0	103	75-125				

Post Spike (BH11251-PS1)	Post Spike	*Source sample: 21H0872-13 (Post Spike)						Prepared: 08/23/2021 Analyzed: 08/24/2021			
Aluminum	113		ug/mL	2.00	111	97.6	75-125				
Antimony	0.296		"	0.250	-0.006	118	75-125				
Arsenic	2.05		"	2.00	0.033	101	75-125				
Barium	2.59		"	2.00	0.407	109	75-125				
Beryllium	0.050		"	0.0500	-0.003	99.5	75-125				
Cadmium	0.051		"	0.0500	-0.00009	103	75-125				
Calcium	41.3		"	1.00	40.0	129	75-125	High Bias			
Chromium	0.388		"	0.200	0.186	101	75-125				
Cobalt	0.611		"	0.500	0.074	107	75-125				
Copper	0.428		"	0.250	0.150	111	75-125				
Iron	196		"	1.00	194	211	75-125	High Bias			
Lead	0.703		"	0.500	0.172	106	75-125				
Magnesium	44.9		"	1.00	43.5	141	75-125	High Bias			
Manganese	5.09		"	0.500	4.58	102	75-125				
Nickel	0.813		"	0.500	0.289	105	75-125				
Potassium	14.6		"	1.00	13.3	131	75-125	High Bias			
Selenium	1.58		"	2.00	-0.169	79.1	75-125				
Silver	0.046		"	0.0500	-0.007	91.3	75-125				
Sodium	2.43		"	1.00	1.32	111	75-125				
Thallium	1.90		"	2.00	-0.034	95.1	75-125				
Vanadium	0.799		"	0.500	0.278	104	75-125				
Zinc	0.948		"	0.500	0.439	102	75-125				



Metals by ICP - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH11251 - EPA 3050B

Reference (BH11251-SRM1)	Reference	Prepared: 08/23/2021 Analyzed: 08/24/2021									
Aluminum	10600	5.00	mg/kg wet	8130		130	49.9-150.1				
Antimony	93.0	2.50	"	134		69.4	19.3-250				
Arsenic	186	1.50	"	156		119	69.9-130.1				
Barium	302	2.50	"	239		127	74.9-124.7	High Bias			
Beryllium	207	0.050	"	169		123	75.1-125.4				
Cadmium	164	0.300	"	137		120	75.2-124.8				
Calcium	5720	5.00	"	4760		120	72.7-127.5				
Chromium	178	0.500	"	154		116	70.1-129.9				
Cobalt	150	0.400	"	121		124	75-124.8				
Copper	71.1	2.00	"	54.9		130	74.9-125	High Bias			
Iron	17000	25.0	"	14100		121	34.9-164.5				
Lead	149	0.500	"	130		114	71.8-128.5				
Magnesium	2820	5.00	"	2320		121	62.1-137.9				
Manganese	329	0.500	"	269		122	74-126.4				
Nickel	79.6	1.00	"	53.9		148	69.9-129.9	High Bias			
Potassium	2540	5.00	"	2020		126	58.9-141.1				
Selenium	154	2.50	"	167		92.2	67.7-132.3				
Silver	38.2	0.500	"	33.6		114	68.5-131.3				
Sodium	172	50.0	"	133		130	35-165.4				
Thallium	122	2.50	"	112		109	67.9-131.3				
Vanadium	70.3	1.00	"	62.6		112	59.1-141.1				
Zinc	182	2.50	"	158		115	70.3-129.7				



Mercury by EPA 7000/200 Series Methods - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC Limits	Flag	RPD Limit	Flag
Batch BH11328 - EPA 7473 soil									
Blank (BH11328-BLK1)	Blank							Prepared & Analyzed: 08/24/2021	
Mercury	ND	0.0300	mg/kg wet						
Duplicate (BH11328-DUP1)	Duplicate	*Source sample: 21H0419-02 (Duplicate)						Prepared & Analyzed: 08/24/2021	
Mercury	0.256	0.0752	mg/kg dry		0.278			8.17	35
Matrix Spike (BH11328-MS1)	Matrix Spike	*Source sample: 21H0419-02 (Matrix Spike)						Prepared & Analyzed: 08/24/2021	
Mercury	0.542		mg/kg	0.500	0.111	86.1	75-125		
Reference (BH11328-SRM1)	Reference							Prepared & Analyzed: 08/24/2021	
Mercury	27.324		mg/kg	27.2		100	59.9-140.1		



Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC Limits	Flag	RPD Limit	Flag

Batch BH11324 - % Solids Prep

Duplicate (BH11324-DUP1)	Duplicate	*Source sample: 21H0956-01 (Duplicate)					Prepared & Analyzed: 08/24/2021				
% Solids		94.3	0.100	%		93.7		0.666	20		



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
21H0863-01	SB12_1-2	40mL Vial with Stir Bar-Cool 4° C
21H0863-02	SB19_8-9	40mL Vial with Stir Bar-Cool 4° C



Sample and Data Qualifiers Relating to This Work Order

QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data are acceptable.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
PCB-Tot	It is noted that other PCB species were detected in the sample other than those reported and may include PCB 1262 and PCB 1268.
PCB-I	PCB calculations are based upon the average response of 5 peaks for each Aroclor. For this sample an interference was present and the analyst was unable to use all 5 peaks.
M-SPKM	The spike recovery is not within acceptance windows due to sample non-homogeneity, or matrix interference.
M-ICV2	The recovery for this element in the ICV was outside the 90-110% recovery criteria.
M-CRL	The RL check for this element recovered outside of control limits.
M-BLK	The target analyte was detected above the RL in the batch method blank. All samples showed >10x the concentration in the blank for this analyte. Data are reported.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
ICV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration verification (recovery exceeded 30% of expected value).
CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.

Definitions and Other Explanations

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis



- Low Bias** Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
- High Bias** High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
- Non-Dir.** Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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

Field Chain-of-Custody Record

YORK Project No.

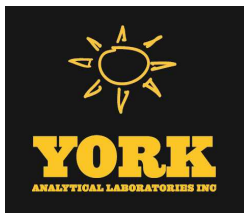
2170803

Page 1 of 1

Page 1 of 1

NOTE: YORK's Standard Terms & Conditions are listed on the back side of this document. This document serves as your written authorization for YORK to proceed with the analyses requested below. Your signature binds you to YORK's Standard Terms & Conditions.

YOUR INFORMATION			Report To:		Invoice To:		YOUR Project Number		Turn-Around Time	
Company:	Address:		Company:	Address:		Company:	Address:		RUSH - Next Day	
Address:			Address:		Address:		Address:		RUSH - Two Day	
Address:			Address:		Address:		Address:		RUSH - Three Day	
Address:			Address:		Address:		Address:		RUSH - Four Day	
Address:			Address:		Address:		Address:		Standard (5-7 Day)	
Company: LANGAN ENGINEERING Address: 360 WEST 31ST ST, 8TH FL. NEW YORK, NY 10001 Phone: 551-404-5397 Contact: ALBERT TASHU E-mail: ATASHU@LANGAN.COM			Company: SAME Address: SAME Phone: 516-815-0055 Contact: THOMAS SCHIEFER E-mail: TSCHIEFER@LANGAN.COM		Company: SAME Address: SAME Phone: 516-815-0055 Contact: THOMAS SCHIEFER E-mail: TSCHIEFER@LANGAN.COM		170362002 YOUR Project Name 560 DELAWARE STREET AND 224 THIRD AVENUE		Standard (5-7 Day)	
MICHAEL AU			MICHAEL AU		MICHAEL AU		MICHAEL AU		Standard (5-7 Day)	
Samples Collected by: (print your name above and sign below)			Samples Collected by: (print your name above and sign below)		Samples Collected by: (print your name above and sign below)		Samples Collected by: (print your name above and sign below)		Standard (5-7 Day)	
Sample Identification			Sample Identification		Sample Identification		Sample Identification		Standard (5-7 Day)	
SB12-1-2			SB12-1-2		SB12-1-2		SB12-1-2		Standard (5-7 Day)	
SB19-8-9			SB19-8-9		SB19-8-9		SB19-8-9		Standard (5-7 Day)	
MW02-081721			MW02-081721		MW02-081721		MW02-081721		Standard (5-7 Day)	
Date/Time Sampled			Date/Time Sampled		Date/Time Sampled		Date/Time Sampled		Standard (5-7 Day)	
8/17/21 7:55			8/17/21 7:55		8/17/21 7:55		8/17/21 7:55		Standard (5-7 Day)	
12:30			12:30		12:30		12:30		Standard (5-7 Day)	
15:05			15:05		15:05		15:05		Standard (5-7 Day)	
Matrix Codes			Matrix Codes		Matrix Codes		Matrix Codes		Standard (5-7 Day)	
S - soil / solid			S - soil / solid		S - soil / solid		S - soil / solid		Standard (5-7 Day)	
GW - groundwater			GW - groundwater		GW - groundwater		GW - groundwater		Standard (5-7 Day)	
DW - drinking water			DW - drinking water		DW - drinking water		DW - drinking water		Standard (5-7 Day)	
WW - wastewater			WW - wastewater		WW - wastewater		WW - wastewater		Standard (5-7 Day)	
O - Oil ; Other			O - Oil ; Other		O - Oil ; Other		O - Oil ; Other		Standard (5-7 Day)	
Samples From			Samples From		Samples From		Samples From		Standard (5-7 Day)	
New York			New York		New York		New York		Standard (5-7 Day)	
New Jersey			New Jersey		New Jersey		New Jersey		Standard (5-7 Day)	
Connecticut			Connecticut		Connecticut		Connecticut		Standard (5-7 Day)	
Pennsylvania			Pennsylvania		Pennsylvania		Pennsylvania		Standard (5-7 Day)	
Other			Other		Other		Other		Standard (5-7 Day)	
Report / EDD Type (circle selections)			Report / EDD Type (circle selections)		Report / EDD Type (circle selections)		Report / EDD Type (circle selections)		Standard (5-7 Day)	
CT RCP			CT RCP		CT RCP		CT RCP		Standard (5-7 Day)	
CT RCP DQA/DUE			CT RCP DQA/DUE		CT RCP DQA/DUE		CT RCP DQA/DUE		Standard (5-7 Day)	
NJDEP Reduced Deliverables			NJDEP Reduced Deliverables		NJDEP Reduced Deliverables		NJDEP Reduced Deliverables		Standard (5-7 Day)	
NJDEP SRP HazSite			NJDEP SRP HazSite		NJDEP SRP HazSite		NJDEP SRP HazSite		Standard (5-7 Day)	
Other:			Other:		Other:		Other:		Standard (5-7 Day)	
YORK Reg. Comp.			YORK Reg. Comp.		YORK Reg. Comp.		YORK Reg. Comp.		Standard (5-7 Day)	
Compared to the following Regulation(s): (please fill in)			Compared to the following Regulation(s): (please fill in)		Compared to the following Regulation(s): (please fill in)		Compared to the following Regulation(s): (please fill in)		Standard (5-7 Day)	
Container Description			Container Description		Container Description		Container Description		Standard (5-7 Day)	
Analysis Requested			Analysis Requested		Analysis Requested		Analysis Requested		Standard (5-7 Day)	
TCL/PART 375 VOC's, TCL/PART 375 SVOC's			TCL/PART 375 VOC's, TCL/PART 375 SVOC's		TCL/PART 375 VOC's, TCL/PART 375 SVOC's		TCL/PART 375 VOC's, TCL/PART 375 SVOC's		Standard (5-7 Day)	
DOB's, TAL METALS			DOB's, TAL METALS		DOB's, TAL METALS		DOB's, TAL METALS		Standard (5-7 Day)	
TCL/PART 375 VOC's, TCL/PART 375 SVOC's,			TCL/PART 375 VOC's, TCL/PART 375 SVOC's,		TCL/PART 375 VOC's, TCL/PART 375 SVOC's,		TCL/PART 375 VOC's, TCL/PART 375 SVOC's,		Standard (5-7 Day)	
TAL METALS (UNFILTERED AND FIELD FILTERED)			TAL METALS (UNFILTERED AND FIELD FILTERED)		TAL METALS (UNFILTERED AND FIELD FILTERED)		TAL METALS (UNFILTERED AND FIELD FILTERED)		Standard (5-7 Day)	
Preservation: (check all that apply)			Preservation: (check all that apply)		Preservation: (check all that apply)		Preservation: (check all that apply)		Standard (5-7 Day)	
HCl MeOH HNO3 H2SO4 NaOH ZnAc			HCl MeOH HNO3 H2SO4 NaOH ZnAc		HCl MeOH HNO3 H2SO4 NaOH ZnAc		HCl MeOH HNO3 H2SO4 NaOH ZnAc		Standard (5-7 Day)	
Ascorbic Acid Other:			Ascorbic Acid Other:		Ascorbic Acid Other:		Ascorbic Acid Other:		Standard (5-7 Day)	
Date/Time			Date/Time		Date/Time		Date/Time		Standard (5-7 Day)	
8/17/21 15:12			8/17/21 15:12		8/17/21 15:12		8/17/21 15:12		Standard (5-7 Day)	
Date/Time			Date/Time		Date/Time		Date/Time		Standard (5-7 Day)	
8/17/21 16:30			8/17/21 16:30		8/17/21 16:30		8/17/21 16:30		Standard (5-7 Day)	
Date/Time			Date/Time		Date/Time		Date/Time		Standard (5-7 Day)	
8/17/21 16:30			8/17/21 16:30		8/17/21 16:30		8/17/21 16:30		Standard (5-7 Day)	
Date/Time			Date/Time		Date/Time		Date/Time		Standard (5-7 Day)	
8/17/21 16:30			8/17/							



Technical Report

prepared for:

Langan Engineering & Environmental Services (NYC)

21 Penn Plaza, 360 West 31st Street

New York NY, 10001

Attention: Albert Tashji

Report Date: 08/27/2021

Client Project ID: 170362002

York Project (SDG) No.: 21H0945



CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037

New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

Report Date: 08/27/2021
Client Project ID: 170362002
York Project (SDG) No.: 21H0945

Langan Engineering & Environmental Services (NYC)
21 Penn Plaza, 360 West 31st Street
New York NY, 10001
Attention: Albert Tashji

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on August 18, 2021 and listed below. The project was identified as your project: **170362002**.

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

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

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

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

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

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
21H0945-01	MW03_081821	Water	08/18/2021	08/18/2021
21H0945-02	MW04_081821	Water	08/18/2021	08/18/2021
21H0945-03	MW05_081821	Water	08/18/2021	08/18/2021
21H0945-04	TRIP BLANK	Water	08/18/2021	08/18/2021
21H0945-05	TRIP BLANK-2	Water	08/18/2021	08/18/2021

General Notes for York Project (SDG) No.: 21H0945

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

Approved By



Cassie L. Mosher
Laboratory Manager

Date: 08/27/2021





Sample Information

Client Sample ID: MW03_081821

York Sample ID: 21H0945-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21H0945

170362002

Water

August 18, 2021 11:46 am

08/18/2021

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:22	KHA
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:22	KHA
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:22	KHA
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:22	KHA
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:22	KHA
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:22	KHA
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:22	KHA
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:22	KHA
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:22	KHA
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:22	KHA
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:22	KHA
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:22	KHA
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:22	KHA
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:22	KHA
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:22	KHA
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:22	KHA
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:22	KHA
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:22	KHA
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:22	KHA
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:22	KHA
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:22	KHA



Sample Information

Client Sample ID: MW03_081821

York Sample ID: 21H0945-01

York Project (SDG) No.
21H0945

Client Project ID
170362002

Matrix
Water

Collection Date/Time
August 18, 2021 11:46 am

Date Received
08/18/2021

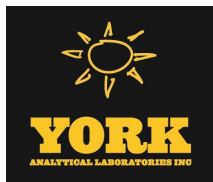
Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:22	KHA
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:22	KHA
67-64-1	Acetone	4.2	CCV-E	ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:22	KHA
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:22	KHA
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:22	KHA
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:22	KHA
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:22	KHA
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:22	KHA
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:22	KHA
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:22	KHA
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:22	KHA
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:22	KHA
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:22	KHA
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:22	KHA
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:22	KHA
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:22	KHA
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:22	KHA
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:22	KHA
110-82-7	Cyclohexane	0.40	J	ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:22	KHA
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:22	KHA
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:22	KHA
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:22	KHA



Sample Information

Client Sample ID: MW03_081821

York Sample ID: 21H0945-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21H0945

170362002

Water

August 18, 2021 11:46 am

08/18/2021

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:22	KHA
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:22	KHA
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:22	KHA
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:22	KHA
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:22	KHA
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:22	KHA
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:22	KHA
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:22	KHA
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:22	KHA
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:22	KHA
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:22	KHA
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:22	KHA
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:22	KHA
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:22	KHA
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:22	KHA
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:22	KHA
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:22	KHA
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:22	KHA
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:22	KHA
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:22	KHA
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/19/2021 06:59	08/19/2021 16:22	KHA
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:22	KHA



Sample Information

Client Sample ID: MW03_081821

York Sample ID: 21H0945-01

York Project (SDG) No.
21H0945

Client Project ID
170362002

Matrix
Water

Collection Date/Time
August 18, 2021 11:46 am

Date Received
08/18/2021

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:22	KHA
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:22	KHA
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/19/2021 06:59	08/19/2021 16:22	KHA
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	101 %	69-130								
2037-26-5	Surrogate: SURR: Toluene-d8	100 %	81-117								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	102 %	79-122								

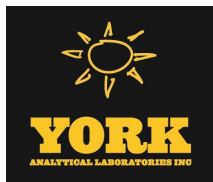
Semi-Volatiles, 8270 - Comprehensive - LL

Log-in Notes:

Sample Notes: HT-01R

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/26/2021 07:15	08/26/2021 18:17	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/26/2021 07:15	08/26/2021 18:17	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/26/2021 07:15	08/26/2021 18:17	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/26/2021 07:15	08/26/2021 18:17	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/26/2021 07:15	08/26/2021 18:17	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/26/2021 07:15	08/26/2021 18:17	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/26/2021 07:15	08/26/2021 18:17	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	1.32	1.32	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/26/2021 07:15	08/26/2021 18:17	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	1.32	1.32	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/26/2021 07:15	08/26/2021 18:17	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	1.32	1.32	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/26/2021 07:15	08/26/2021 18:17	KH
120-83-2	2,4-Dichlorophenol	ND		ug/L	1.32	1.32	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/26/2021 07:15	08/26/2021 18:17	KH
105-67-9	2,4-Dimethylphenol	ND		ug/L	1.32	1.32	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/26/2021 07:15	08/26/2021 18:17	KH
51-28-5	2,4-Dinitrophenol	ND		ug/L	1.32	1.32	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/26/2021 07:15	08/26/2021 18:17	KH



Sample Information

Client Sample ID: MW03_081821

York Sample ID: 21H0945-01

York Project (SDG) No.

Client Project ID

Matrix

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21H0945

170362002

Water

August 18, 2021 11:46 am

08/18/2021

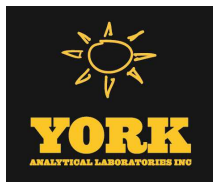
Semi-Volatiles, 8270 - Comprehensive - LL

Log-in Notes:

Sample Notes: HT-01R

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/26/2021 07:15	08/26/2021 18:17	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/26/2021 07:15	08/26/2021 18:17	KH
91-58-7	2-Chloronaphthalene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/26/2021 07:15	08/26/2021 18:17	KH
95-57-8	2-Chlorophenol	ND		ug/L	1.32	1.32	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/26/2021 07:15	08/26/2021 18:17	KH
91-57-6	2-Methylnaphthalene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/26/2021 07:15	08/26/2021 18:17	KH
95-48-7	2-Methylphenol	ND		ug/L	1.32	1.32	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/26/2021 07:15	08/26/2021 18:17	KH
88-74-4	2-Nitroaniline	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/26/2021 07:15	08/26/2021 18:17	KH
88-75-5	2-Nitrophenol	ND		ug/L	1.32	1.32	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/26/2021 07:15	08/26/2021 18:17	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/L	1.32	1.32	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/26/2021 07:15	08/26/2021 18:17	KH
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/26/2021 07:15	08/26/2021 18:17	KH
99-09-2	3-Nitroaniline	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/26/2021 07:15	08/26/2021 18:17	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	1.32	1.32	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/26/2021 07:15	08/26/2021 18:17	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/26/2021 07:15	08/26/2021 18:17	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	1.32	1.32	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/26/2021 07:15	08/26/2021 18:17	KH
106-47-8	4-Chloroaniline	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/26/2021 07:15	08/26/2021 18:17	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/26/2021 07:15	08/26/2021 18:17	KH
100-01-6	4-Nitroaniline	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/26/2021 07:15	08/26/2021 18:17	KH
100-02-7	4-Nitrophenol	ND		ug/L	1.32	1.32	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/26/2021 07:15	08/26/2021 18:17	KH
83-32-9	Acenaphthene	0.621		ug/L	0.0526	0.0526	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/26/2021 07:15	08/26/2021 15:59	KH
208-96-8	Acenaphthylene	0.0947		ug/L	0.0526	0.0526	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/26/2021 07:15	08/26/2021 15:59	KH
98-86-2	Acetophenone	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/26/2021 07:15	08/26/2021 18:17	KH
62-53-3	Aniline	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/26/2021 07:15	08/26/2021 18:17	KH



Sample Information

Client Sample ID: MW03_081821

York Sample ID: 21H0945-01

York Project (SDG) No.

Client Project ID

Matrix

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21H0945

170362002

Water

August 18, 2021 11:46 am

08/18/2021

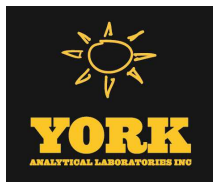
Semi-Volatiles, 8270 - Comprehensive - LL

Log-in Notes:

Sample Notes: HT-01R

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-12-7	Anthracene	ND		ug/L	0.0526	0.0526	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/26/2021 07:15	08/26/2021 15:59	KH
1912-24-9	Atrazine	ND		ug/L	0.526	0.526	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/26/2021 07:15	08/26/2021 15:59	KH
100-52-7	Benzaldehyde	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/26/2021 07:15	08/26/2021 18:17	KH
92-87-5	Benzidine	ND		ug/L	10.5	21.1	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/26/2021 07:15	08/26/2021 18:17	KH
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0526	0.0526	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/26/2021 07:15	08/26/2021 15:59	KH
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0526	0.0526	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/26/2021 07:15	08/26/2021 15:59	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0526	0.0526	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/26/2021 07:15	08/26/2021 15:59	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0526	0.0526	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/26/2021 07:15	08/26/2021 15:59	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0526	0.0526	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/26/2021 07:15	08/26/2021 15:59	KH
65-85-0	Benzoic acid	ND		ug/L	26.3	52.6	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/26/2021 07:15	08/26/2021 18:17	KH
100-51-6	Benzyl alcohol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/26/2021 07:15	08/26/2021 18:17	KH
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/26/2021 07:15	08/26/2021 18:17	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/26/2021 07:15	08/26/2021 18:17	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.32	1.32	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/26/2021 07:15	08/26/2021 18:17	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/26/2021 07:15	08/26/2021 18:17	KH
117-81-7	Bis(2-ethylhexyl)phthalate	1.40	B	ug/L	0.526	0.526	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/26/2021 07:15	08/26/2021 15:59	KH
105-60-2	Caprolactam	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/26/2021 07:15	08/26/2021 18:17	KH
86-74-8	Carbazole	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/26/2021 07:15	08/26/2021 18:17	KH
218-01-9	Chrysene	ND		ug/L	0.0526	0.0526	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/26/2021 07:15	08/26/2021 15:59	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0526	0.0526	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/26/2021 07:15	08/26/2021 15:59	KH
132-64-9	Dibenzofuran	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/26/2021 07:15	08/26/2021 18:17	KH
84-66-2	Diethyl phthalate	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/26/2021 07:15	08/26/2021 18:17	KH



Sample Information

Client Sample ID: MW03_081821

York Sample ID: 21H0945-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21H0945

170362002

Water

August 18, 2021 11:46 am

08/18/2021

Semi-Volatiles, 8270 - Comprehensive - LL

Log-in Notes:

Sample Notes: HT-01R

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
131-11-3	Dimethyl phthalate	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/26/2021 07:15	08/26/2021 18:17	KH
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/26/2021 07:15	08/26/2021 18:17	KH
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/26/2021 07:15	08/26/2021 18:17	KH
206-44-0	Fluoranthene	0.221		ug/L	0.0526	0.0526	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/26/2021 07:15	08/26/2021 15:59	KH
86-73-7	Fluorene	0.453		ug/L	0.0526	0.0526	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/26/2021 07:15	08/26/2021 15:59	KH
118-74-1	Hexachlorobenzene	ND		ug/L	0.0211	0.0211	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/26/2021 07:15	08/26/2021 15:59	KH
87-68-3	Hexachlorobutadiene	ND		ug/L	0.526	0.526	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/26/2021 07:15	08/26/2021 15:59	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/26/2021 07:15	08/26/2021 18:17	KH
67-72-1	Hexachloroethane	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/26/2021 07:15	08/26/2021 18:17	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0526	0.0526	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/26/2021 07:15	08/26/2021 15:59	KH
78-59-1	Isophorone	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/26/2021 07:15	08/26/2021 18:17	KH
91-20-3	Naphthalene	0.253		ug/L	0.0526	0.0526	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/26/2021 07:15	08/26/2021 15:59	KH
98-95-3	Nitrobenzene	ND		ug/L	0.263	0.263	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/26/2021 07:15	08/26/2021 15:59	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.526	0.526	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/26/2021 07:15	08/26/2021 15:59	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/26/2021 07:15	08/26/2021 18:17	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/26/2021 07:15	08/26/2021 18:17	KH
87-86-5	Pentachlorophenol	ND		ug/L	0.263	0.263	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/26/2021 07:15	08/26/2021 15:59	KH
85-01-8	Phenanthrene	0.137		ug/L	0.0526	0.0526	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/26/2021 07:15	08/26/2021 15:59	KH
108-95-2	Phenol	ND		ug/L	1.32	1.32	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/26/2021 07:15	08/26/2021 18:17	KH
129-00-0	Pyrene	0.284		ug/L	0.0526	0.0526	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/26/2021 07:15	08/26/2021 15:59	KH
110-86-1	Pyridine	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/26/2021 07:15	08/26/2021 18:17	KH
Surrogate Recoveries		Result	Acceptance Range								



Sample Information

Client Sample ID: MW03_081821

York Sample ID: 21H0945-01

York Project (SDG) No.
21H0945

Client Project ID
170362002

Matrix
Water

Collection Date/Time
August 18, 2021 11:46 am

Date Received
08/18/2021

Semi-Volatiles, 8270 - Comprehensive - LL

Log-in Notes:

Sample Notes: HT-01R

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
367-12-4	Surrogate: SURR: 2-Fluorophenol	29.4 %			19.7-63.1						
4165-62-2	Surrogate: SURR: Phenol-d5	17.5 %			10.1-41.7						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	65.8 %			50.2-113						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	62.7 %			39.9-105						
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	95.2 %			39.3-151						
1718-51-0	Surrogate: SURR: Terphenyl-d14	72.6 %			30.7-106						

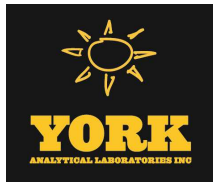
Metals, Target Analyte, ICP

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	ND		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:30	08/25/2021 16:15	EM
7440-39-3	Barium	0.129		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:30	08/25/2021 16:15	EM
7440-70-2	Calcium	192	B	mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:30	08/25/2021 16:15	EM
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:30	08/25/2021 16:15	EM
7440-48-4	Cobalt	ND		mg/L	0.00444	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:30	08/25/2021 16:15	EM
7440-50-8	Copper	ND		mg/L	0.0222	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:30	08/25/2021 16:15	EM
7439-89-6	Iron	2.78		mg/L	0.278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:30	08/25/2021 16:15	EM
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:30	08/25/2021 16:15	EM
7439-95-4	Magnesium	9.69		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:30	08/25/2021 16:15	EM
7439-96-5	Manganese	0.262		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:30	08/25/2021 16:15	EM
7440-02-0	Nickel	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:30	08/25/2021 16:15	EM
7440-09-7	Potassium	14.7		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:30	08/25/2021 16:15	EM
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:30	08/25/2021 16:15	EM
7440-23-5	Sodium	115		mg/L	0.556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:30	08/25/2021 16:15	EM
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:30	08/25/2021 16:15	EM
7440-66-6	Zinc	0.138		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:30	08/25/2021 16:15	EM



Sample Information

Client Sample ID: MW03_081821

York Sample ID: 21H0945-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21H0945

170362002

Water

August 18, 2021 11:46 am

08/18/2021

Metals, Target Analyte, ICP Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	ND		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:32	08/25/2021 15:43	EM
7440-39-3	Barium	0.214		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:32	08/25/2021 15:43	EM
7440-70-2	Calcium	207	B	mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:32	08/25/2021 15:43	EM
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:32	08/25/2021 15:43	EM
7440-48-4	Cobalt	ND		mg/L	0.00444	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:32	08/25/2021 15:43	EM
7440-50-8	Copper	ND		mg/L	0.0222	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:32	08/25/2021 15:43	EM
7439-89-6	Iron	15.1		mg/L	0.278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:32	08/25/2021 15:43	EM
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:32	08/25/2021 15:43	EM
7439-95-4	Magnesium	13.7		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:32	08/25/2021 15:43	EM
7439-96-5	Manganese	0.887		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:32	08/25/2021 15:43	EM
7440-02-0	Nickel	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:32	08/25/2021 15:43	EM
7440-09-7	Potassium	20.3		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:32	08/25/2021 15:43	EM
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:32	08/25/2021 15:43	EM
7440-23-5	Sodium	195		mg/L	0.556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:32	08/25/2021 15:43	EM
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:32	08/25/2021 15:43	EM
7440-66-6	Zinc	0.124		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:32	08/25/2021 15:43	EM

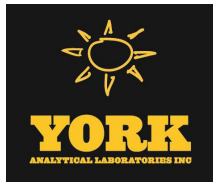
Metals, Target Analyte, ICPMS

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-36-0	Antimony	0.00133		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:44	08/25/2021 12:20	WJM
7440-38-2	Arsenic	0.00326		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:44	08/25/2021 12:20	WJM
7440-41-7	Beryllium	ND		mg/L	0.000333	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:44	08/25/2021 12:20	WJM



Sample Information

Client Sample ID: MW03_081821

York Sample ID: 21H0945-01

York Project (SDG) No.

21H0945

Client Project ID

170362002

Matrix

Water

Collection Date/Time

August 18, 2021 11:46 am

Date Received

08/18/2021

Metals, Target Analyte, ICPMS

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-43-9	Cadmium	ND		mg/L	0.000556	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:44	08/25/2021 12:20	WJM
7782-49-2	Selenium	0.00738		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:44	08/25/2021 12:20	WJM
7440-28-0	Thallium	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:44	08/25/2021 12:20	WJM

Metals, Target Analyte, ICPMS Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-36-0	Antimony	0.00116		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 10:48	08/23/2021 16:39	WJM
7440-38-2	Arsenic	0.00338		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 10:48	08/23/2021 16:39	WJM
7440-41-7	Beryllium	ND		mg/L	0.000333	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 10:48	08/23/2021 16:39	WJM
7440-43-9	Cadmium	ND		mg/L	0.000556	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 10:48	08/23/2021 16:39	WJM
7782-49-2	Selenium	0.0131	M-MBL k, B	mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 10:48	08/23/2021 16:39	WJM
7440-28-0	Thallium	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 10:48	08/23/2021 16:39	WJM

Mercury by 7470/7471

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-7470A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0002	1	EPA 7470 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 20:58	08/24/2021 20:58	AD

Mercury, Dissolved (field filtered)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-7470A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0002000	1	EPA 7473 Certifications: NELAC-NY10854	08/20/2021 19:23	08/20/2021 19:23	AA



Sample Information

Client Sample ID: MW04_081821

York Sample ID: 21H0945-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21H0945

170362002

Water

August 18, 2021 2:18 pm

08/18/2021

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:49	KHA
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:49	KHA
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:49	KHA
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:49	KHA
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:49	KHA
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:49	KHA
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:49	KHA
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:49	KHA
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:49	KHA
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:49	KHA
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:49	KHA
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:49	KHA
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:49	KHA
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:49	KHA
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:49	KHA
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:49	KHA
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:49	KHA
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:49	KHA
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:49	KHA
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:49	KHA
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:49	KHA



Sample Information

Client Sample ID: MW04_081821

York Sample ID: 21H0945-02

York Project (SDG) No.
21H0945

Client Project ID
170362002

Matrix
Water

Collection Date/Time
August 18, 2021 2:18 pm

Date Received
08/18/2021

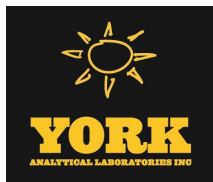
Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:49	KHA
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:49	KHA
67-64-1	Acetone	2.7	CCV-E	ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:49	KHA
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:49	KHA
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:49	KHA
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:49	KHA
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:49	KHA
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:49	KHA
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:49	KHA
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:49	KHA
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:49	KHA
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:49	KHA
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:49	KHA
75-00-3	Chloroethane	1.7		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:49	KHA
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:49	KHA
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:49	KHA
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:49	KHA
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:49	KHA
110-82-7	Cyclohexane	0.25	J	ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:49	KHA
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:49	KHA
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:49	KHA
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:49	KHA



Sample Information

Client Sample ID: MW04_081821

York Sample ID: 21H0945-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21H0945

170362002

Water

August 18, 2021 2:18 pm

08/18/2021

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:49	KHA
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:49	KHA
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:49	KHA
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:49	KHA
1634-04-4	Methyl tert-butyl ether (MTBE)	0.45	J	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:49	KHA
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:49	KHA
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:49	KHA
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:49	KHA
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:49	KHA
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:49	KHA
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:49	KHA
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:49	KHA
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:49	KHA
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:49	KHA
75-65-0	tert-Butyl alcohol (TBA)	17		ug/L	0.50	1.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:49	KHA
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:49	KHA
127-18-4	Tetrachloroethylene	0.44	J	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:49	KHA
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:49	KHA
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:49	KHA
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:49	KHA
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/19/2021 06:59	08/19/2021 16:49	KHA
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:49	KHA



Sample Information

Client Sample ID: MW04_081821

York Sample ID: 21H0945-02

York Project (SDG) No.
21H0945

Client Project ID
170362002

Matrix
Water

Collection Date/Time
August 18, 2021 2:18 pm

Date Received
08/18/2021

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:49	KHA
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:49	KHA
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/19/2021 06:59	08/19/2021 16:49	KHA
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	103 %	69-130								
2037-26-5	Surrogate: SURR: Toluene-d8	99.7 %	81-117								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	102 %	79-122								

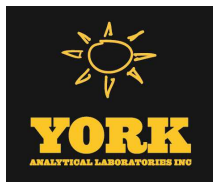
Semi-Volatiles, 8270 - Comprehensive - LL

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 15:59	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 15:59	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 15:59	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/23/2021 07:43	08/24/2021 15:59	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 15:59	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/23/2021 07:43	08/24/2021 15:59	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/23/2021 07:43	08/24/2021 15:59	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	1.28	1.28	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 15:59	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	1.28	1.28	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 15:59	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	1.28	1.28	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 15:59	KH
120-83-2	2,4-Dichlorophenol	ND		ug/L	1.28	1.28	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 15:59	KH
105-67-9	2,4-Dimethylphenol	ND		ug/L	1.28	1.28	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 15:59	KH
51-28-5	2,4-Dinitrophenol	ND		ug/L	1.28	1.28	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 15:59	KH



Sample Information

Client Sample ID: MW04_081821

York Sample ID: 21H0945-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21H0945

170362002

Water

August 18, 2021 2:18 pm

08/18/2021

Semi-Volatiles, 8270 - Comprehensive - LL

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 15:59	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 15:59	KH
91-58-7	2-Chloronaphthalene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 15:59	KH
95-57-8	2-Chlorophenol	ND		ug/L	1.28	1.28	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 15:59	KH
91-57-6	2-Methylnaphthalene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 15:59	KH
95-48-7	2-Methylphenol	ND		ug/L	1.28	1.28	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 15:59	KH
88-74-4	2-Nitroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 15:59	KH
88-75-5	2-Nitrophenol	ND		ug/L	1.28	1.28	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 15:59	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/L	1.28	1.28	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 15:59	KH
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 15:59	KH
99-09-2	3-Nitroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 15:59	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	1.28	1.28	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 15:59	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 15:59	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	1.28	1.28	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 15:59	KH
106-47-8	4-Chloroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 15:59	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 15:59	KH
100-01-6	4-Nitroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 15:59	KH
100-02-7	4-Nitrophenol	ND		ug/L	1.28	1.28	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 15:59	KH
83-32-9	Acenaphthene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 18:44	KH
208-96-8	Acenaphthylene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 18:44	KH
98-86-2	Acetophenone	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 15:59	KH
62-53-3	Aniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 15:59	KH



Sample Information

Client Sample ID: MW04_081821

York Sample ID: 21H0945-02

York Project (SDG) No.
21H0945

Client Project ID
170362002

Matrix
Water

Collection Date/Time
August 18, 2021 2:18 pm

Date Received
08/18/2021

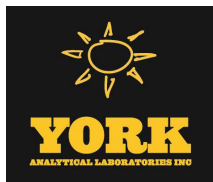
Semi-Volatiles, 8270 - Comprehensive - LL

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-12-7	Anthracene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 18:44	KH
1912-24-9	Atrazine	ND		ug/L	0.513	0.513	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 18:44	KH
100-52-7	Benzaldehyde	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 15:59	KH
92-87-5	Benzidine	ND		ug/L	10.3	20.5	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 15:59	KH
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 18:44	KH
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 18:44	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 18:44	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 18:44	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 18:44	KH
65-85-0	Benzoic acid	ND		ug/L	25.6	51.3	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 15:59	KH
100-51-6	Benzyl alcohol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 15:59	KH
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 15:59	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 15:59	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.28	1.28	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 15:59	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 15:59	KH
117-81-7	Bis(2-ethylhexyl)phthalate	0.728	B	ug/L	0.513	0.513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 18:44	KH
105-60-2	Caprolactam	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 15:59	KH
86-74-8	Carbazole	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 15:59	KH
218-01-9	Chrysene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 18:44	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 18:44	KH
132-64-9	Dibenzofuran	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 15:59	KH
84-66-2	Diethyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 15:59	KH



Sample Information

Client Sample ID: MW04_081821

York Sample ID: 21H0945-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21H0945

170362002

Water

August 18, 2021 2:18 pm

08/18/2021

Semi-Volatiles, 8270 - Comprehensive - LL

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
131-11-3	Dimethyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 15:59	KH
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 15:59	KH
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 15:59	KH
206-44-0	Fluoranthene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 18:44	KH
86-73-7	Fluorene	0.421		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 18:44	KH
118-74-1	Hexachlorobenzene	ND		ug/L	0.0205	0.0205	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 18:44	KH
87-68-3	Hexachlorobutadiene	ND		ug/L	0.513	0.513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 18:44	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 15:59	KH
67-72-1	Hexachloroethane	ND		ug/L	0.513	0.513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 18:44	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 18:44	KH
78-59-1	Isophorone	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 15:59	KH
91-20-3	Naphthalene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 18:44	KH
98-95-3	Nitrobenzene	ND		ug/L	0.256	0.256	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 18:44	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.513	0.513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 18:44	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 15:59	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 15:59	KH
87-86-5	Pentachlorophenol	ND		ug/L	0.256	0.256	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 18:44	KH
85-01-8	Phenanthrene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 18:44	KH
108-95-2	Phenol	ND		ug/L	1.28	1.28	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 15:59	KH
129-00-0	Pyrene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 18:44	KH
110-86-1	Pyridine	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 15:59	KH

Surrogate Recoveries

Result

Acceptance Range

120 RESEARCH DRIVE

STRATFORD, CT 06615



132-02 89th AVENUE

RICHMOND HILL, NY 11418

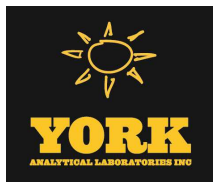
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Sample Information

Client Sample ID: MW04_081821

York Sample ID: 21H0945-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21H0945

170362002

Water

August 18, 2021 2:18 pm

08/18/2021

Semi-Volatiles, 8270 - Comprehensive - LL

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
367-12-4	Surrogate: SURR: 2-Fluorophenol	63.1 %			19.7-63.1						
4165-62-2	Surrogate: SURR: Phenol-d5	41.7 %			10.1-41.7						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	100 %			50.2-113						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	93.0 %			39.9-105						
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	143 %			39.3-151						
1718-51-0	Surrogate: SURR: Terphenyl-d14	117 %	S-08		30.7-106						

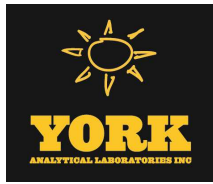
Metals, Target Analyte, ICP

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	ND		mg/L	0.100	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:30	08/25/2021 16:36	EM
7440-39-3	Barium	0.731		mg/L	0.0500	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:30	08/25/2021 16:36	EM
7440-70-2	Calcium	302	B	mg/L	0.100	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:30	08/25/2021 16:36	EM
7440-47-3	Chromium	ND		mg/L	0.0100	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:30	08/25/2021 16:36	EM
7440-48-4	Cobalt	ND		mg/L	0.00800	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:30	08/25/2021 16:36	EM
7440-50-8	Copper	ND		mg/L	0.0400	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:30	08/25/2021 16:36	EM
7439-89-6	Iron	56.5		mg/L	0.500	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:30	08/25/2021 16:36	EM
7439-92-1	Lead	ND		mg/L	0.0100	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:30	08/25/2021 16:36	EM
7439-95-4	Magnesium	65.1		mg/L	0.100	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:30	08/25/2021 16:36	EM
7439-96-5	Manganese	1.54		mg/L	0.0100	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:30	08/25/2021 16:36	EM
7440-02-0	Nickel	ND		mg/L	0.0200	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:30	08/25/2021 16:36	EM
7440-09-7	Potassium	62.7		mg/L	0.100	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:30	08/25/2021 16:36	EM
7440-22-4	Silver	ND		mg/L	0.0100	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:30	08/25/2021 16:36	EM
7440-23-5	Sodium	1290		mg/L	1.00	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:30	08/25/2021 16:36	EM
7440-62-2	Vanadium	ND		mg/L	0.0200	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:30	08/25/2021 16:36	EM
7440-66-6	Zinc	0.137		mg/L	0.0500	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:30	08/25/2021 16:36	EM



Sample Information

Client Sample ID: MW04_081821

York Sample ID: 21H0945-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21H0945

170362002

Water

August 18, 2021 2:18 pm

08/18/2021

Metals, Target Analyte, ICP Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	ND		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:32	08/25/2021 15:46	EM
7440-39-3	Barium	0.759		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:32	08/25/2021 15:46	EM
7440-70-2	Calcium	315	B	mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:32	08/25/2021 15:46	EM
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:32	08/25/2021 15:46	EM
7440-48-4	Cobalt	ND		mg/L	0.00444	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:32	08/25/2021 15:46	EM
7440-50-8	Copper	ND		mg/L	0.0222	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:32	08/25/2021 15:46	EM
7439-89-6	Iron	56.9		mg/L	0.278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:32	08/25/2021 15:46	EM
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:32	08/25/2021 15:46	EM
7439-95-4	Magnesium	66.2		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:32	08/25/2021 15:46	EM
7439-96-5	Manganese	1.57		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:32	08/25/2021 15:46	EM
7440-02-0	Nickel	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:32	08/25/2021 15:46	EM
7440-09-7	Potassium	62.1		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:32	08/25/2021 15:46	EM
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:32	08/25/2021 15:46	EM
7440-23-5	Sodium	1300		mg/L	0.556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:32	08/25/2021 15:46	EM
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:32	08/25/2021 15:46	EM
7440-66-6	Zinc	0.119		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:32	08/25/2021 15:46	EM

Metals, Target Analyte, ICPMS

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-36-0	Antimony	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:44	08/25/2021 12:23	WJM
7440-38-2	Arsenic	0.0110		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:44	08/25/2021 12:23	WJM
7440-41-7	Beryllium	ND		mg/L	0.000333	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:44	08/25/2021 12:23	WJM



Sample Information

Client Sample ID: MW04_081821

York Sample ID: 21H0945-02

York Project (SDG) No.
21H0945

Client Project ID
170362002

Matrix
Water

Collection Date/Time
August 18, 2021 2:18 pm

Date Received
08/18/2021

Metals, Target Analyte, ICPMS

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-43-9	Cadmium	ND		mg/L	0.000556	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:44	08/25/2021 12:23	WJM
7782-49-2	Selenium	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:44	08/25/2021 12:23	WJM
7440-28-0	Thallium	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:44	08/25/2021 12:23	WJM

Metals, Target Analyte, ICPMS Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-36-0	Antimony	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 10:48	08/23/2021 16:43	WJM
7440-38-2	Arsenic	0.0201		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 10:48	08/23/2021 16:43	WJM
7440-41-7	Beryllium	ND		mg/L	0.000333	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 10:48	08/23/2021 16:43	WJM
7440-43-9	Cadmium	ND		mg/L	0.000556	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 10:48	08/23/2021 16:43	WJM
7782-49-2	Selenium	0.0226	M-MBL k, B	mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 10:48	08/23/2021 16:43	WJM
7440-28-0	Thallium	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 10:48	08/23/2021 16:43	WJM

Mercury by 7470/7471

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-7470A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0002	1	EPA 7470 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 20:58	08/24/2021 20:58	AD

Mercury, Dissolved (field filtered)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-7470A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0002000	1	EPA 7473 Certifications: NELAC-NY10854	08/20/2021 19:23	08/20/2021 19:23	AA



Sample Information

Client Sample ID: MW05_081821

York Sample ID: 21H0945-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21H0945

170362002

Water

August 18, 2021 4:18 pm

08/18/2021

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 17:16	KHA
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 17:16	KHA
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 17:16	KHA
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 17:16	KHA
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 17:16	KHA
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 17:16	KHA
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 17:16	KHA
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 17:16	KHA
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 17:16	KHA
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 17:16	KHA
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 17:16	KHA
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 17:16	KHA
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 17:16	KHA
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 17:16	KHA
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 17:16	KHA
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 17:16	KHA
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 17:16	KHA
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 17:16	KHA
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 17:16	KHA
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 17:16	KHA
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 17:16	KHA



Sample Information

Client Sample ID: MW05_081821

York Sample ID: 21H0945-03

York Project (SDG) No.
21H0945

Client Project ID
170362002

Matrix
Water

Collection Date/Time
August 18, 2021 4:18 pm

Date Received
08/18/2021

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 17:16	KHA
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 17:16	KHA
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 17:16	KHA
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 17:16	KHA
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 17:16	KHA
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 17:16	KHA
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 17:16	KHA
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 17:16	KHA
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 17:16	KHA
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 17:16	KHA
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 17:16	KHA
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 17:16	KHA
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 17:16	KHA
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 17:16	KHA
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 17:16	KHA
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 17:16	KHA
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 17:16	KHA
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 17:16	KHA
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 17:16	KHA
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 17:16	KHA
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 17:16	KHA
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 17:16	KHA



Sample Information

Client Sample ID: MW05_081821

York Sample ID: 21H0945-03

York Project (SDG) No.
21H0945

Client Project ID
170362002

Matrix
Water

Collection Date/Time
August 18, 2021 4:18 pm

Date Received
08/18/2021

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 17:16	KHA
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 17:16	KHA
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 17:16	KHA
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 17:16	KHA
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 17:16	KHA
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 17:16	KHA
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 17:16	KHA
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 17:16	KHA
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 17:16	KHA
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 17:16	KHA
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 17:16	KHA
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 17:16	KHA
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 17:16	KHA
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 17:16	KHA
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 17:16	KHA
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 17:16	KHA
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 17:16	KHA
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 17:16	KHA
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 17:16	KHA
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 17:16	KHA
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/19/2021 06:59	08/19/2021 17:16	KHA
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 17:16	KHA



Sample Information

Client Sample ID: MW05_081821

York Sample ID: 21H0945-03

York Project (SDG) No.

21H0945

Client Project ID

170362002

Matrix

Water

Collection Date/Time

August 18, 2021 4:18 pm

Date Received

08/18/2021

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 17:16	KHA
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 17:16	KHA
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/19/2021 06:59	08/19/2021 17:16	KHA
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	100 %			69-130						
2037-26-5	Surrogate: SURR: Toluene-d8	100 %			81-117						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	101 %			79-122						

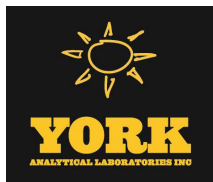
Semi-Volatiles, 8270 - Comprehensive - LL

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 16:29	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 16:29	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 16:29	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/23/2021 07:43	08/24/2021 16:29	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 16:29	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/23/2021 07:43	08/24/2021 16:29	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/23/2021 07:43	08/24/2021 16:29	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	1.28	1.28	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 16:29	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	1.28	1.28	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 16:29	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	1.28	1.28	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 16:29	KH
120-83-2	2,4-Dichlorophenol	ND		ug/L	1.28	1.28	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 16:29	KH
105-67-9	2,4-Dimethylphenol	ND		ug/L	1.28	1.28	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 16:29	KH
51-28-5	2,4-Dinitrophenol	ND		ug/L	1.28	1.28	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 16:29	KH



Sample Information

Client Sample ID: MW05_081821

York Sample ID: 21H0945-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21H0945

170362002

Water

August 18, 2021 4:18 pm

08/18/2021

Semi-Volatiles, 8270 - Comprehensive - LL

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 16:29	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 16:29	KH
91-58-7	2-Chloronaphthalene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 16:29	KH
95-57-8	2-Chlorophenol	ND		ug/L	1.28	1.28	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 16:29	KH
91-57-6	2-Methylnaphthalene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 16:29	KH
95-48-7	2-Methylphenol	ND		ug/L	1.28	1.28	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 16:29	KH
88-74-4	2-Nitroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 16:29	KH
88-75-5	2-Nitrophenol	ND		ug/L	1.28	1.28	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 16:29	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/L	1.28	1.28	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 16:29	KH
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 16:29	KH
99-09-2	3-Nitroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 16:29	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	1.28	1.28	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 16:29	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 16:29	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	1.28	1.28	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 16:29	KH
106-47-8	4-Chloroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 16:29	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 16:29	KH
100-01-6	4-Nitroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 16:29	KH
100-02-7	4-Nitrophenol	ND		ug/L	1.28	1.28	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 16:29	KH
83-32-9	Acenaphthene	0.0615		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 19:16	KH
208-96-8	Acenaphthylene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 19:16	KH
98-86-2	Acetophenone	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 16:29	KH
62-53-3	Aniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 16:29	KH



Sample Information

Client Sample ID: MW05_081821

York Sample ID: 21H0945-03

York Project (SDG) No.
21H0945

Client Project ID
170362002

Matrix
Water

Collection Date/Time
August 18, 2021 4:18 pm

Date Received
08/18/2021

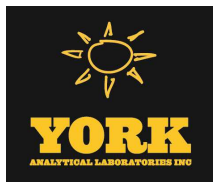
Semi-Volatiles, 8270 - Comprehensive - LL

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-12-7	Anthracene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 19:16	KH
1912-24-9	Atrazine	ND		ug/L	0.513	0.513	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 19:16	KH
100-52-7	Benzaldehyde	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 16:29	KH
92-87-5	Benzidine	ND		ug/L	10.3	20.5	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 16:29	KH
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 19:16	KH
50-32-8	Benzo(a)pyrene	0.0513		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 19:16	KH
205-99-2	Benzo(b)fluoranthene	0.0513		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 19:16	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 19:16	KH
207-08-9	Benzo(k)fluoranthene	0.0615		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 19:16	KH
65-85-0	Benzoic acid	ND		ug/L	25.6	51.3	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 16:29	KH
100-51-6	Benzyl alcohol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 16:29	KH
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 16:29	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 16:29	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.28	1.28	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 16:29	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 16:29	KH
117-81-7	Bis(2-ethylhexyl)phthalate	2.26	B	ug/L	0.513	0.513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 19:16	KH
105-60-2	Caprolactam	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 16:29	KH
86-74-8	Carbazole	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 16:29	KH
218-01-9	Chrysene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 19:16	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 19:16	KH
132-64-9	Dibenzofuran	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 16:29	KH
84-66-2	Diethyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 16:29	KH



Sample Information

Client Sample ID: MW05_081821

York Sample ID: 21H0945-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

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21H0945

170362002

Water

August 18, 2021 4:18 pm

08/18/2021

Semi-Volatiles, 8270 - Comprehensive - LL

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
131-11-3	Dimethyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 16:29	KH
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 16:29	KH
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 16:29	KH
206-44-0	Fluoranthene	0.195		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 19:16	KH
86-73-7	Fluorene	0.390		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 19:16	KH
118-74-1	Hexachlorobenzene	ND		ug/L	0.0205	0.0205	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 19:16	KH
87-68-3	Hexachlorobutadiene	ND		ug/L	0.513	0.513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 19:16	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 16:29	KH
67-72-1	Hexachloroethane	ND		ug/L	0.513	0.513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 19:16	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 19:16	KH
78-59-1	Isophorone	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 16:29	KH
91-20-3	Naphthalene	0.0615		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 19:16	KH
98-95-3	Nitrobenzene	ND		ug/L	0.256	0.256	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 19:16	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.513	0.513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 19:16	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 16:29	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 16:29	KH
87-86-5	Pentachlorophenol	ND		ug/L	0.256	0.256	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 19:16	KH
85-01-8	Phenanthrene	0.0923		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 19:16	KH
108-95-2	Phenol	ND		ug/L	1.28	1.28	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 16:29	KH
129-00-0	Pyrene	0.318		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 19:16	KH
110-86-1	Pyridine	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 16:29	KH
Surrogate Recoveries		Result	Acceptance Range								



Sample Information

Client Sample ID: MW05_081821

York Sample ID: 21H0945-03

York Project (SDG) No.
21H0945

Client Project ID
170362002

Matrix
Water

Collection Date/Time
August 18, 2021 4:18 pm

Date Received
08/18/2021

Semi-Volatiles, 8270 - Comprehensive - LL

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
367-12-4	Surrogate: SURR: 2-Fluorophenol	54.8 %			19.7-63.1						
4165-62-2	Surrogate: SURR: Phenol-d5	35.7 %			10.1-41.7						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	92.1 %			50.2-113						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	85.0 %			39.9-105						
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	131 %			39.3-151						
1718-51-0	Surrogate: SURR: Terphenyl-d14	103 %			30.7-106						

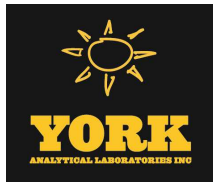
Metals, Target Analyte, ICP

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	ND		mg/L	0.250	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:30	08/25/2021 16:39	EM
7440-39-3	Barium	0.179		mg/L	0.125	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:30	08/25/2021 16:39	EM
7440-70-2	Calcium	202	B	mg/L	0.250	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:30	08/25/2021 16:39	EM
7440-47-3	Chromium	ND		mg/L	0.0250	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:30	08/25/2021 16:39	EM
7440-48-4	Cobalt	ND		mg/L	0.0200	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:30	08/25/2021 16:39	EM
7440-50-8	Copper	ND		mg/L	0.100	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:30	08/25/2021 16:39	EM
7439-89-6	Iron	ND		mg/L	1.25	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:30	08/25/2021 16:39	EM
7439-92-1	Lead	ND		mg/L	0.0250	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:30	08/25/2021 16:39	EM
7439-95-4	Magnesium	13.4		mg/L	0.250	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:30	08/25/2021 16:39	EM
7439-96-5	Manganese	0.108		mg/L	0.0250	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:30	08/25/2021 16:39	EM
7440-02-0	Nickel	ND		mg/L	0.0500	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:30	08/25/2021 16:39	EM
7440-09-7	Potassium	13.9		mg/L	0.250	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:30	08/25/2021 16:39	EM
7440-22-4	Silver	ND		mg/L	0.0250	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:30	08/25/2021 16:39	EM
7440-23-5	Sodium	59.8		mg/L	2.50	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:30	08/25/2021 16:39	EM
7440-62-2	Vanadium	ND		mg/L	0.0500	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:30	08/25/2021 16:39	EM
7440-66-6	Zinc	0.149		mg/L	0.125	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:30	08/25/2021 16:39	EM



Sample Information

Client Sample ID: MW05_081821

York Sample ID: 21H0945-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21H0945

170362002

Water

August 18, 2021 4:18 pm

08/18/2021

Metals, Target Analyte, ICP Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	ND		mg/L	0.0500	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2021 08:41	08/23/2021 09:04	EM
7440-39-3	Barium	0.148		mg/L	0.0250	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2021 08:41	08/23/2021 09:04	EM
7440-70-2	Calcium	177		mg/L	0.0500	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2021 08:41	08/23/2021 09:04	EM
7440-47-3	Chromium	ND		mg/L	0.00500	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2021 08:41	08/23/2021 09:04	EM
7440-48-4	Cobalt	ND		mg/L	0.00400	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2021 08:41	08/23/2021 09:04	EM
7440-50-8	Copper	ND		mg/L	0.0200	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2021 08:41	08/23/2021 09:04	EM
7439-89-6	Iron	0.498		mg/L	0.250	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2021 08:41	08/23/2021 09:04	EM
7439-92-1	Lead	ND		mg/L	0.00500	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2021 08:41	08/23/2021 09:04	EM
7439-95-4	Magnesium	12.2		mg/L	0.0500	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2021 08:41	08/23/2021 09:04	EM
7439-96-5	Manganese	0.0919		mg/L	0.00500	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2021 08:41	08/23/2021 09:04	EM
7440-02-0	Nickel	ND		mg/L	0.0100	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2021 08:41	08/23/2021 09:04	EM
7440-09-7	Potassium	11.5		mg/L	0.0500	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2021 08:41	08/23/2021 09:04	EM
7440-22-4	Silver	ND		mg/L	0.00500	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2021 08:41	08/23/2021 09:04	EM
7440-23-5	Sodium	50.8		mg/L	0.500	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2021 08:41	08/23/2021 09:04	EM
7440-62-2	Vanadium	ND		mg/L	0.0100	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2021 08:41	08/23/2021 09:04	EM
7440-66-6	Zinc	0.0737		mg/L	0.0250	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2021 08:41	08/23/2021 09:04	EM

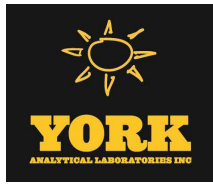
Metals, Target Analyte, ICPMS

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-36-0	Antimony	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:44	08/25/2021 12:27	WJM
7440-38-2	Arsenic	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:44	08/25/2021 12:27	WJM
7440-41-7	Beryllium	ND		mg/L	0.000333	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:44	08/25/2021 12:27	WJM



Sample Information

Client Sample ID: MW05_081821

York Sample ID: 21H0945-03

York Project (SDG) No.

21H0945

Client Project ID

170362002

Matrix

Water

Collection Date/Time

August 18, 2021 4:18 pm

Date Received

08/18/2021

Metals, Target Analyte, ICPMS

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-43-9	Cadmium	ND		mg/L	0.000556	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:44	08/25/2021 12:27	WJM
7782-49-2	Selenium	0.00175		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:44	08/25/2021 12:27	WJM
7440-28-0	Thallium	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:44	08/25/2021 12:27	WJM

Metals, Target Analyte, ICPMS Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-36-0	Antimony	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 10:48	08/23/2021 16:46	WJM
7440-38-2	Arsenic	0.00211		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 10:48	08/23/2021 16:46	WJM
7440-41-7	Beryllium	ND		mg/L	0.000333	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 10:48	08/23/2021 16:46	WJM
7440-43-9	Cadmium	ND		mg/L	0.000556	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 10:48	08/23/2021 16:46	WJM
7782-49-2	Selenium	0.0161	M-MBL k, B	mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 10:48	08/23/2021 16:46	WJM
7440-28-0	Thallium	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 10:48	08/23/2021 16:46	WJM

Mercury by 7470/7471

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-7470A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.0002		mg/L	0.0002	1	EPA 7470 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 20:58	08/24/2021 20:58	AD

Mercury, Dissolved (field filtered)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-7470A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0002000	1	EPA 7473 Certifications: NELAC-NY10854	08/20/2021 19:23	08/20/2021 19:23	AA



Sample Information

Client Sample ID: TRIP BLANK

York Sample ID: 21H0945-04

York Project (SDG) No.
21H0945

Client Project ID
170362002

Matrix
Water

Collection Date/Time
August 18, 2021 4:35 pm

Date Received
08/18/2021

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:29	KHA
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:29	KHA
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:29	KHA
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:29	KHA
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:29	KHA
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:29	KHA
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:29	KHA
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:29	KHA
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:29	KHA
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:29	KHA
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:29	KHA
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:29	KHA
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:29	KHA
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:29	KHA
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:29	KHA
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:29	KHA
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:29	KHA
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:29	KHA
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:29	KHA
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:29	KHA
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:29	KHA



Sample Information

Client Sample ID: TRIP BLANK

York Sample ID: 21H0945-04

York Project (SDG) No.
21H0945

Client Project ID
170362002

Matrix
Water

Collection Date/Time
August 18, 2021 4:35 pm

Date Received
08/18/2021

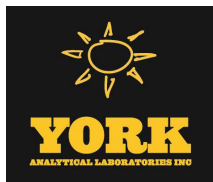
Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:29	KHA
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:29	KHA
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:29	KHA
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:29	KHA
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:29	KHA
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:29	KHA
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:29	KHA
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:29	KHA
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:29	KHA
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:29	KHA
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:29	KHA
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:29	KHA
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:29	KHA
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:29	KHA
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:29	KHA
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:29	KHA
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:29	KHA
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:29	KHA
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:29	KHA
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:29	KHA
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:29	KHA
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:29	KHA



Sample Information

Client Sample ID: TRIP BLANK

York Sample ID: 21H0945-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21H0945

170362002

Water

August 18, 2021 4:35 pm

08/18/2021

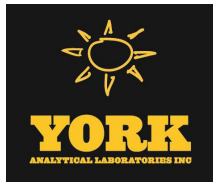
Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:29	KHA
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:29	KHA
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:29	KHA
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:29	KHA
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:29	KHA
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:29	KHA
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:29	KHA
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:29	KHA
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:29	KHA
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:29	KHA
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:29	KHA
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:29	KHA
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:29	KHA
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:29	KHA
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:29	KHA
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:29	KHA
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:29	KHA
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:29	KHA
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:29	KHA
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:29	KHA
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/19/2021 06:59	08/19/2021 15:29	KHA
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:29	KHA



Sample Information

Client Sample ID: TRIP BLANK

York Sample ID: 21H0945-04

York Project (SDG) No.

21H0945

Client Project ID

170362002

Matrix

Water

Collection Date/Time

August 18, 2021 4:35 pm

Date Received

08/18/2021

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:29	KHA
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:29	KHA
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/19/2021 06:59	08/19/2021 15:29	KHA
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	103 %	69-130								
2037-26-5	Surrogate: SURR: Toluene-d8	99.9 %	81-117								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	102 %	79-122								



Sample Information

Client Sample ID: TRIP BLANK-2

York Sample ID: 21H0945-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21H0945

170362002

Water

August 18, 2021 3:00 pm

08/18/2021

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:02	KHA
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:02	KHA
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:02	KHA
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:02	KHA
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:02	KHA
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:02	KHA
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:02	KHA
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:02	KHA
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:02	KHA
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:02	KHA
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:02	KHA
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:02	KHA
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:02	KHA
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:02	KHA
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:02	KHA
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:02	KHA
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:02	KHA
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:02	KHA
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:02	KHA
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:02	KHA
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:02	KHA
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:02	KHA



Sample Information

Client Sample ID: TRIP BLANK-2

York Sample ID: 21H0945-05

York Project (SDG) No.
21H0945

Client Project ID
170362002

Matrix
Water

Collection Date/Time
August 18, 2021 3:00 pm

Date Received
08/18/2021

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:02	KHA
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:02	KHA
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:02	KHA
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:02	KHA
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:02	KHA
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:02	KHA
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:02	KHA
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:02	KHA
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:02	KHA
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:02	KHA
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:02	KHA
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:02	KHA
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:02	KHA
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:02	KHA
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:02	KHA
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:02	KHA
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:02	KHA
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:02	KHA
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:02	KHA
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:02	KHA
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:02	KHA
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:02	KHA



Sample Information

Client Sample ID: TRIP BLANK-2

York Sample ID: 21H0945-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21H0945

170362002

Water

August 18, 2021 3:00 pm

08/18/2021

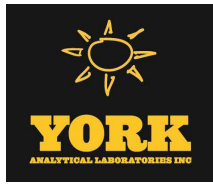
Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:02	KHA
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:02	KHA
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:02	KHA
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:02	KHA
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:02	KHA
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:02	KHA
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:02	KHA
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:02	KHA
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:02	KHA
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:02	KHA
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:02	KHA
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:02	KHA
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:02	KHA
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:02	KHA
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:02	KHA
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:02	KHA
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:02	KHA
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:02	KHA
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:02	KHA
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/19/2021 06:59	08/19/2021 15:02	KHA
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:02	KHA
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:02	KHA



Sample Information

Client Sample ID: TRIP BLANK-2

York Sample ID: 21H0945-05

York Project (SDG) No.

21H0945

Client Project ID

170362002

Matrix

Water

Collection Date/Time

August 18, 2021 3:00 pm

Date Received

08/18/2021

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:02	KHA
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/19/2021 06:59	08/19/2021 15:02	KHA
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	104 %	69-130								
2037-26-5	Surrogate: SURR: Toluene-d8	100 %	81-117								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	103 %	79-122								



Analytical Batch Summary

Batch ID: BH11114 **Preparation Method:** EPA 3015A **Prepared By:** EM

YORK Sample ID	Client Sample ID	Preparation Date
21H0945-03	MW05_081821	08/20/21
BH11114-BLK1	Blank	08/20/21
BH11114-BS1	LCS	08/20/21
BH11114-DUP1	Duplicate	08/20/21
BH11114-MS1	Matrix Spike	08/20/21
BH11114-PS1	Post Spike	08/20/21

Batch ID: BH11179 **Preparation Method:** EPA SW846-7470A **Prepared By:** AA

YORK Sample ID	Client Sample ID	Preparation Date
21H0945-01	MW03_081821	08/20/21
21H0945-02	MW04_081821	08/20/21
21H0945-03	MW05_081821	08/20/21
BH11179-BLK1	Blank	08/20/21
BH11179-BS1	LCS	08/20/21
BH11179-BS2	LCS	08/20/21

Batch ID: BH11199 **Preparation Method:** EPA 3510C **Prepared By:** BMT

YORK Sample ID	Client Sample ID	Preparation Date
21H0945-02	MW04_081821	08/23/21
21H0945-03	MW05_081821	08/23/21
BH11199-BLK1	Blank	08/23/21
BH11199-BS1	LCS	08/23/21
BH11199-BS2	LCS	08/23/21
BH11199-BSD1	LCS Dup	08/23/21

Batch ID: BH11222 **Preparation Method:** EPA 3015A **Prepared By:** BML

YORK Sample ID	Client Sample ID	Preparation Date
21H0945-01	MW03_081821	08/23/21
21H0945-02	MW04_081821	08/23/21
21H0945-03	MW05_081821	08/23/21
BH11222-BLK1	Blank	08/23/21
BH11222-BS1	LCS	08/23/21
BH11222-DUP1	Duplicate	08/23/21
BH11222-MS1	Matrix Spike	08/23/21

Batch ID: BH11364 **Preparation Method:** EPA SW846-7470A **Prepared By:** AA

YORK Sample ID	Client Sample ID	Preparation Date
21H0945-01	MW03_081821	08/24/21
21H0945-02	MW04_081821	08/24/21



21H0945-03	MW05_081821	08/24/21
BH11364-BLK1	Blank	08/24/21
BH11364-BS1	LCS	08/24/21
BH11364-BS2	LCS	08/24/21

Batch ID: BH11369 **Preparation Method:** EPA 3015A **Prepared By:** EM

YORK Sample ID	Client Sample ID	Preparation Date
21H0945-01	MW03_081821	08/25/21
21H0945-02	MW04_081821	08/25/21
21H0945-03	MW05_081821	08/25/21
BH11369-BLK1	Blank	08/25/21
BH11369-BS1	LCS	08/25/21
BH11369-DUP1	Duplicate	08/25/21
BH11369-MS1	Matrix Spike	08/25/21
BH11369-PS1	Post Spike	08/25/21

Batch ID: BH11370 **Preparation Method:** EPA 3015A **Prepared By:** EM

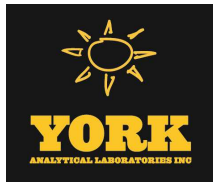
YORK Sample ID	Client Sample ID	Preparation Date
21H0945-01	MW03_081821	08/25/21
21H0945-02	MW04_081821	08/25/21
BH11370-BLK1	Blank	08/25/21
BH11370-BS1	LCS	08/25/21
BH11370-DUP1	Duplicate	08/25/21
BH11370-MS1	Matrix Spike	08/25/21
BH11370-PS1	Post Spike	08/25/21

Batch ID: BH11371 **Preparation Method:** EPA 3015A **Prepared By:** EM

YORK Sample ID	Client Sample ID	Preparation Date
21H0945-01	MW03_081821	08/25/21
21H0945-02	MW04_081821	08/25/21
21H0945-03	MW05_081821	08/25/21
BH11371-BLK1	Blank	08/25/21
BH11371-BS1	LCS	08/25/21
BH11371-DUP1	Duplicate	08/25/21
BH11371-MS1	Matrix Spike	08/25/21

Batch ID: BH11442 **Preparation Method:** EPA 5030B **Prepared By:** TMP

YORK Sample ID	Client Sample ID	Preparation Date
21H0945-01	MW03_081821	08/19/21
21H0945-02	MW04_081821	08/19/21
21H0945-03	MW05_081821	08/19/21
21H0945-04	TRIP BLANK	08/19/21
21H0945-05	TRIP BLANK-2	08/19/21
BH11442-BLK1	Blank	08/19/21
BH11442-BS1	LCS	08/19/21



BH11442-BSD1 LCS Dup 08/19/21

Batch ID: BH11462 **Preparation Method:** EPA 3510C **Prepared By:** MC

YORK Sample ID	Client Sample ID	Preparation Date
21H0945-01	MW03_081821	08/26/21
BH11462-BLK1	Blank	08/26/21
BH11462-BS1	LCS	08/26/21
BH11462-BSD1	LCS Dup	08/26/21



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH11442 - EPA 5030B											
Blank (BH11442-BLK1)	Blank										Prepared & Analyzed: 08/19/2021
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,2,3-Trichlorobenzene	ND	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	0.50	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	0.50	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
1,4-Dioxane	ND	40	"								
2-Butanone	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Methyl-2-pentanone	ND	0.50	"								
Acetone	ND	2.0	"								
Acrolein	ND	0.50	"								
Acrylonitrile	ND	0.50	"								
Benzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon disulfide	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	0.40	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Cyclohexane	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl acetate	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylcyclohexane	ND	0.50	"								
Methylene chloride	ND	2.0	"								



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH11442 - EPA 5030B

Blank (BH11442-BLK1)	Blank		Prepared & Analyzed: 08/19/2021								
n-Butylbenzene	ND	0.50	ug/L								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butyl alcohol (TBA)	ND	1.0	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
trans-1,4-dichloro-2-butene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	10.2		"	10.0		102	69-130				
Surrogate: SURR: Toluene-d8	9.99		"	10.0		99.9	81-117				
Surrogate: SURR: p-Bromofluorobenzene	10.1		"	10.0		101	79-122				

LCS (BH11442-BS1)	LCS		Prepared & Analyzed: 08/19/2021								
1,1,1,2-Tetrachloroethane	10		ug/L	10.0		105	82-126				
1,1,1-Trichloroethane	10		"	10.0		104	78-136				
1,1,2,2-Tetrachloroethane	11		"	10.0		109	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12		"	10.0		119	54-165				
1,1,2-Trichloroethane	10		"	10.0		100	82-123				
1,1-Dichloroethane	10		"	10.0		104	82-129				
1,1-Dichloroethylene	12		"	10.0		117	68-138				
1,2,3-Trichlorobenzene	8.4		"	10.0		84.5	40-130				
1,2,3-Trichloropropane	11		"	10.0		106	77-128				
1,2,4-Trichlorobenzene	9.0		"	10.0		90.0	65-137				
1,2,4-Trimethylbenzene	12		"	10.0		119	82-132				
1,2-Dibromo-3-chloropropane	8.2		"	10.0		81.8	45-147				
1,2-Dibromoethane	9.9		"	10.0		99.4	83-124				
1,2-Dichlorobenzene	11		"	10.0		106	79-123				
1,2-Dichloroethane	10		"	10.0		102	73-132				
1,2-Dichloropropane	11		"	10.0		110	78-126				
1,3,5-Trimethylbenzene	12		"	10.0		121	80-131				
1,3-Dichlorobenzene	11		"	10.0		109	86-130				
1,4-Dichlorobenzene	11		"	10.0		108	85-130				
1,4-Dioxane	200		"	210		92.9	10-349				
2-Butanone	9.7		"	10.0		97.3	49-152				
2-Hexanone	11		"	10.0		114	51-146				
4-Methyl-2-pentanone	11		"	10.0		108	57-145				
Acetone	8.1		"	10.0		81.3	14-150				
Acrolein	9.3		"	10.0		93.3	10-153				
Acrylonitrile	11		"	10.0		108	51-150				
Benzene	11		"	10.0		107	85-126				
Bromochloromethane	11		"	10.0		113	77-128				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH11442 - EPA 5030B											
LCS (BH11442-BS1)	LCS		Prepared & Analyzed: 08/19/2021								
Bromodichloromethane	10		ug/L	10.0		103	79-128				
Bromoform	9.8		"	10.0		98.1	78-133				
Bromomethane	4.3		"	10.0		43.0	43-168				
Carbon disulfide	12		"	10.0		120	68-146				
Carbon tetrachloride	11		"	10.0		106	77-141				
Chlorobenzene	11		"	10.0		107	88-120				
Chloroethane	12		"	10.0		115	65-136				
Chloroform	10		"	10.0		102	82-128				
Chloromethane	10		"	10.0		99.6	43-155				
cis-1,2-Dichloroethylene	11		"	10.0		108	83-129				
cis-1,3-Dichloropropylene	11		"	10.0		106	80-131				
Cyclohexane	8.6		"	10.0		86.4	63-149				
Dibromochloromethane	10		"	10.0		102	80-130				
Dibromomethane	10		"	10.0		100	72-134				
Dichlorodifluoromethane	15		"	10.0		145	44-144	High Bias			
Ethyl Benzene	12		"	10.0		115	80-131				
Hexachlorobutadiene	13		"	10.0		128	67-146				
Isopropylbenzene	12		"	10.0		120	76-140				
Methyl acetate	9.6		"	10.0		95.7	51-139				
Methyl tert-butyl ether (MTBE)	10		"	10.0		102	76-135				
Methylcyclohexane	11		"	10.0		111	72-143				
Methylene chloride	12		"	10.0		116	55-137				
n-Butylbenzene	11		"	10.0		115	79-132				
n-Propylbenzene	12		"	10.0		121	78-133				
o-Xylene	11		"	10.0		113	78-130				
p- & m- Xylenes	24		"	20.0		119	77-133				
p-Isopropyltoluene	12		"	10.0		116	81-136				
sec-Butylbenzene	12		"	10.0		121	79-137				
Styrene	11		"	10.0		112	67-132				
tert-Butyl alcohol (TBA)	46		"	50.0		91.6	25-162				
tert-Butylbenzene	9.7		"	10.0		97.3	77-138				
Tetrachloroethylene	9.6		"	10.0		96.1	82-131				
Toluene	11		"	10.0		112	80-127				
trans-1,2-Dichloroethylene	12		"	10.0		116	80-132				
trans-1,3-Dichloropropylene	11		"	10.0		105	78-131				
trans-1,4-dichloro-2-butene	11		"	10.0		111	63-141				
Trichloroethylene	11		"	10.0		106	82-128				
Trichlorofluoromethane	12		"	10.0		116	67-139				
Vinyl Chloride	11		"	10.0		112	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	9.90		"	10.0		99.0	69-130				
Surrogate: SURR: Toluene-d8	10.0		"	10.0		100	81-117				
Surrogate: SURR: p-Bromofluorobenzene	11.0		"	10.0		110	79-122				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH11442 - EPA 5030B											
LCS Dup (BH11442-BSD1)	LCS Dup		Prepared & Analyzed: 08/19/2021								
1,1,1,2-Tetrachloroethane	10		ug/L	10.0		103	82-126		1.64	30	
1,1,1-Trichloroethane	9.8		"	10.0		98.3	78-136		5.15	30	
1,1,2,2-Tetrachloroethane	11		"	10.0		109	76-129		0.0914	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11		"	10.0		114	54-165		4.29	30	
1,1,2-Trichloroethane	10		"	10.0		103	82-123		2.57	30	
1,1-Dichloroethane	10		"	10.0		101	82-129		2.63	30	
1,1-Dichloroethylene	11		"	10.0		110	68-138		6.00	30	
1,2,3-Trichlorobenzene	8.6		"	10.0		86.1	40-130		1.88	30	
1,2,3-Trichloropropane	11		"	10.0		106	77-128		0.188	30	
1,2,4-Trichlorobenzene	9.0		"	10.0		90.4	65-137		0.443	30	
1,2,4-Trimethylbenzene	11		"	10.0		112	82-132		6.58	30	
1,2-Dibromo-3-chloropropane	8.5		"	10.0		85.1	45-147		3.95	30	
1,2-Dibromoethane	10		"	10.0		103	83-124		3.94	30	
1,2-Dichlorobenzene	10		"	10.0		103	79-123		3.25	30	
1,2-Dichloroethane	10		"	10.0		101	73-132		0.395	30	
1,2-Dichloropropane	11		"	10.0		109	78-126		1.46	30	
1,3,5-Trimethylbenzene	11		"	10.0		113	80-131		7.27	30	
1,3-Dichlorobenzene	10		"	10.0		103	86-130		5.10	30	
1,4-Dichlorobenzene	10		"	10.0		103	85-130		4.84	30	
1,4-Dioxane	220		"	210		107	10-349		14.2	30	
2-Butanone	10		"	10.0		101	49-152		3.53	30	
2-Hexanone	12		"	10.0		119	51-146		4.22	30	
4-Methyl-2-pentanone	12		"	10.0		116	57-145		6.34	30	
Acetone	8.1		"	10.0		80.9	14-150		0.493	30	
Acrolein	10		"	10.0		101	10-153		8.02	30	
Acrylonitrile	11		"	10.0		112	51-150		3.47	30	
Benzene	10		"	10.0		102	85-126		4.58	30	
Bromochloromethane	11		"	10.0		112	77-128		1.34	30	
Bromodichloromethane	10		"	10.0		102	79-128		1.66	30	
Bromoform	10		"	10.0		102	78-133		4.09	30	
Bromomethane	4.5		"	10.0		45.0	43-168		4.55	30	
Carbon disulfide	11		"	10.0		112	68-146		6.39	30	
Carbon tetrachloride	10		"	10.0		100	77-141		5.25	30	
Chlorobenzene	10		"	10.0		104	88-120		2.75	30	
Chloroethane	11		"	10.0		109	65-136		5.80	30	
Chloroform	9.9		"	10.0		98.9	82-128		2.69	30	
Chloromethane	9.0		"	10.0		90.2	43-155		9.91	30	
cis-1,2-Dichloroethylene	10		"	10.0		104	83-129		3.39	30	
cis-1,3-Dichloropropylene	10		"	10.0		104	80-131		2.00	30	
Cyclohexane	8.4		"	10.0		84.0	63-149		2.82	30	
Dibromochloromethane	10		"	10.0		103	80-130		1.27	30	
Dibromomethane	10		"	10.0		103	72-134		2.85	30	
Dichlorodifluoromethane	14		"	10.0		137	44-144		6.03	30	
Ethyl Benzene	11		"	10.0		111	80-131		3.63	30	
Hexachlorobutadiene	13		"	10.0		130	67-146		1.71	30	
Isopropylbenzene	11		"	10.0		110	76-140		8.73	30	
Methyl acetate	10		"	10.0		103	51-139		7.06	30	
Methyl tert-butyl ether (MTBE)	10		"	10.0		105	76-135		2.70	30	
Methylcyclohexane	11		"	10.0		107	72-143		4.04	30	
Methylene chloride	11		"	10.0		113	55-137		2.70	30	
n-Butylbenzene	11		"	10.0		114	79-132		0.876	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH11442 - EPA 5030B

LCS Dup (BH11442-BSD1)	LCS Dup	Prepared & Analyzed: 08/19/2021									
n-Propylbenzene	11	ug/L	10.0	112	78-133	8.24	30				
o-Xylene	11	"	10.0	110	78-130	2.60	30				
p- & m- Xylenes	23	"	20.0	115	77-133	3.68	30				
p-Isopropyltoluene	11	"	10.0	108	81-136	6.95	30				
sec-Butylbenzene	11	"	10.0	113	79-137	6.50	30				
Styrene	11	"	10.0	109	67-132	2.80	30				
tert-Butyl alcohol (TBA)	50	"	50.0	101	25-162	9.78	30				
tert-Butylbenzene	9.0	"	10.0	90.4	77-138	7.35	30				
Tetrachloroethylene	9.2	"	10.0	91.7	82-131	4.69	30				
Toluene	11	"	10.0	108	80-127	3.55	30				
trans-1,2-Dichloroethylene	11	"	10.0	110	80-132	5.84	30				
trans-1,3-Dichloropropylene	11	"	10.0	105	78-131	0.0951	30				
trans-1,4-dichloro-2-butene	11	"	10.0	110	63-141	0.996	30				
Trichloroethylene	10	"	10.0	102	82-128	3.94	30				
Trichlorofluoromethane	11	"	10.0	110	67-139	5.50	30				
Vinyl Chloride	10	"	10.0	104	58-145	7.11	30				
Surrogate: SURR: 1,2-Dichloroethane-d4	10.0	"	10.0	100	69-130						
Surrogate: SURR: Toluene-d8	10.0	"	10.0	100	81-117						
Surrogate: SURR: p-Bromofluorobenzene	10.5	"	10.0	105	79-122						



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH11199 - EPA 3510C											
Blank (BH11199-BLK1)	Blank										Prepared: 08/23/2021 Analyzed: 08/24/2021
1,1-Biphenyl	ND	5.00	ug/L								
1,2,4,5-Tetrachlorobenzene	ND	5.00	"								
1,2,4-Trichlorobenzene	ND	5.00	"								
1,2-Dichlorobenzene	ND	5.00	"								
1,2-Diphenylhydrazine (as Azobenzene)	ND	5.00	"								
1,3-Dichlorobenzene	ND	5.00	"								
1,4-Dichlorobenzene	ND	5.00	"								
2,3,4,6-Tetrachlorophenol	ND	1.25	"								
2,4,5-Trichlorophenol	ND	1.25	"								
2,4,6-Trichlorophenol	ND	1.25	"								
2,4-Dichlorophenol	ND	1.25	"								
2,4-Dimethylphenol	ND	1.25	"								
2,4-Dinitrophenol	ND	1.25	"								
2,4-Dinitrotoluene	ND	5.00	"								
2,6-Dinitrotoluene	ND	5.00	"								
2-Chloronaphthalene	ND	5.00	"								
2-Chlorophenol	ND	1.25	"								
2-Methylnaphthalene	ND	5.00	"								
2-Methylphenol	ND	1.25	"								
2-Nitroaniline	ND	5.00	"								
2-Nitrophenol	ND	1.25	"								
3- & 4-Methylphenols	ND	1.25	"								
3,3-Dichlorobenzidine	ND	5.00	"								
3-Nitroaniline	ND	5.00	"								
4,6-Dinitro-2-methylphenol	ND	1.25	"								
4-Bromophenyl phenyl ether	ND	5.00	"								
4-Chloro-3-methylphenol	ND	1.25	"								
4-Chloroaniline	ND	5.00	"								
4-Chlorophenyl phenyl ether	ND	5.00	"								
4-Nitroaniline	ND	5.00	"								
4-Nitrophenol	ND	1.25	"								
Acenaphthene	ND	0.0500	"								
Acenaphthylene	ND	0.0500	"								
Acetophenone	ND	5.00	"								
Aniline	ND	5.00	"								
Anthracene	ND	0.0500	"								
Atrazine	ND	0.500	"								
Benzaldehyde	ND	5.00	"								
Benzidine	ND	20.0	"								
Benzo(a)anthracene	ND	0.0500	"								
Benzo(a)pyrene	ND	0.0500	"								
Benzo(b)fluoranthene	ND	0.0500	"								
Benzo(g,h,i)perylene	ND	0.0500	"								
Benzo(k)fluoranthene	ND	0.0500	"								
Benzoic acid	ND	50.0	"								
Benzyl alcohol	ND	5.00	"								
Benzyl butyl phthalate	ND	5.00	"								
Bis(2-chloroethoxy)methane	ND	5.00	"								
Bis(2-chloroethyl)ether	ND	1.25	"								
Bis(2-chloroisopropyl)ether	ND	5.00	"								
Bis(2-ethylhexyl)phthalate	0.520	0.500	"								



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH11199 - EPA 3510C

Blank (BH11199-BLK1)	Blank	Prepared: 08/23/2021 Analyzed: 08/24/2021									
Caprolactam	ND	5.00	ug/L								
Carbazole	ND	5.00	"								
Chrysene	ND	0.0500	"								
Dibenzo(a,h)anthracene	ND	0.0500	"								
Dibenzofuran	ND	5.00	"								
Diethyl phthalate	ND	5.00	"								
Dimethyl phthalate	ND	5.00	"								
Di-n-butyl phthalate	ND	5.00	"								
Di-n-octyl phthalate	ND	5.00	"								
Fluoranthene	ND	0.0500	"								
Fluorene	ND	0.0500	"								
Hexachlorobenzene	ND	0.0200	"								
Hexachlorobutadiene	ND	0.500	"								
Hexachlorocyclopentadiene	ND	5.00	"								
Hexachloroethane	ND	0.500	"								
Indeno(1,2,3-cd)pyrene	ND	0.0500	"								
Isophorone	ND	5.00	"								
Naphthalene	ND	0.0500	"								
Nitrobenzene	ND	0.250	"								
N-Nitrosodimethylamine	ND	0.500	"								
N-nitroso-di-n-propylamine	ND	5.00	"								
N-Nitrosodiphenylamine	ND	5.00	"								
Pentachlorophenol	ND	0.250	"								
Phenanthrene	ND	0.0500	"								
Phenol	ND	1.25	"								
Pyrene	ND	0.0500	"								
Pyridine	ND	5.00	"								
Surrogate: SURR: 2-Fluorophenol	35.9		"	50.0		71.8	19.7-63.1				
Surrogate: SURR: Phenol-d5	22.6		"	50.0		45.2	10.1-41.7				
Surrogate: SURR: Nitrobenzene-d5	28.3		"	25.0		113	50.2-113				
Surrogate: SURR: 2-Fluorobiphenyl	25.0		"	25.0		100	39.9-105				
Surrogate: SURR: 2,4,6-Tribromophenol	78.4		"	50.0		157	39.3-151				
Surrogate: SURR: Terphenyl-d14	43.3		"	25.0		173	30.7-106				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH11199 - EPA 3510C											
LCS (BH11199-BS1)	LCS	Prepared: 08/23/2021 Analyzed: 08/24/2021									
1,1-Biphenyl	ND	5.00	ug/L	2.50			21-102	Low Bias			
1,2,4,5-Tetrachlorobenzene	25.8	5.00	"	50.0		51.6	28-105				
1,2,4-Trichlorobenzene	21.3	5.00	"	25.0		85.2	35-91				
1,2-Dichlorobenzene	19.9	5.00	"	25.0		79.7	42-85				
1,2-Diphenylhydrazine (as Azobenzene)	21.9	5.00	"	25.0		87.6	16-137				
1,3-Dichlorobenzene	19.5	5.00	"	25.0		77.9	45-80				
1,4-Dichlorobenzene	19.9	5.00	"	25.0		79.7	42-82				
2,3,4,6-Tetrachlorophenol	27.3	1.25	"	25.0		109	30-130				
2,4,5-Trichlorophenol	26.0	1.25	"	25.0		104	36-112				
2,4,6-Trichlorophenol	25.2	1.25	"	25.0		101	41-107				
2,4-Dichlorophenol	24.4	1.25	"	25.0		97.5	43-92	High Bias			
2,4-Dimethylphenol	22.9	1.25	"	25.0		91.6	25-92				
2,4-Dinitrophenol	54.5	1.25	"	25.0		218	10-149	High Bias			
2,4-Dinitrotoluene	32.4	5.00	"	25.0		130	41-114	High Bias			
2,6-Dinitrotoluene	30.5	5.00	"	25.0		122	49-106	High Bias			
2-Chloronaphthalene	21.7	5.00	"	25.0		86.7	40-96				
2-Chlorophenol	23.3	1.25	"	25.0		93.2	35-84	High Bias			
2-Methylnaphthalene	22.5	5.00	"	25.0		90.0	33-101				
2-Methylphenol	21.1	1.25	"	25.0		84.6	10-90				
2-Nitroaniline	27.9	5.00	"	25.0		112	31-122				
2-Nitrophenol	31.3	1.25	"	25.0		125	37-97	High Bias			
3- & 4-Methylphenols	17.8	1.25	"	25.0		71.4	10-101				
3,3-Dichlorobenzidine	21.5	5.00	"	50.0		43.1	25-155				
3-Nitroaniline	28.1	5.00	"	25.0		112	29-128				
4,6-Dinitro-2-methylphenol	50.7	1.25	"	25.0		203	10-135	High Bias			
4-Bromophenyl phenyl ether	25.0	5.00	"	25.0		99.9	38-116				
4-Chloro-3-methylphenol	24.7	1.25	"	25.0		98.9	28-101				
4-Chloroaniline	24.1	5.00	"	25.0		96.3	10-154				
4-Chlorophenyl phenyl ether	23.3	5.00	"	25.0		93.2	34-112				
4-Nitroaniline	26.6	5.00	"	25.0		106	15-143				
4-Nitrophenol	15.2	1.25	"	25.0		60.8	10-112				
Acenaphthene	22.1	0.0500	"	25.0		88.3	24-114				
Acenaphthylene	21.8	0.0500	"	25.0		87.3	26-112				
Acetophenone	2.62	5.00	"	2.50		105	47-92	High Bias			
Aniline	25.1	5.00	"	25.0		100	10-107				
Anthracene	24.4	0.0500	"	25.0		97.6	35-114				
Atrazine	2.68	0.500	"	2.50		107	43-101	High Bias			
Benzaldehyde	ND	5.00	"	2.50			17-117	Low Bias			
Benzo(a)anthracene	24.4	0.0500	"	25.0		97.6	38-127				
Benzo(a)pyrene	23.9	0.0500	"	25.0		95.8	30-146				
Benzo(b)fluoranthene	22.5	0.0500	"	25.0		89.9	36-145				
Benzo(g,h,i)perylene	28.7	0.0500	"	25.0		115	10-163				
Benzo(k)fluoranthene	22.8	0.0500	"	25.0		91.2	16-149				
Benzoic acid	ND	50.0	"	2.50			30-130	Low Bias			
Benzyl alcohol	21.6	5.00	"	25.0		86.6	18-75	High Bias			
Benzyl butyl phthalate	28.3	5.00	"	25.0		113	28-129				
Bis(2-chloroethoxy)methane	22.0	5.00	"	25.0		87.9	27-112				
Bis(2-chloroethyl)ether	18.3	1.25	"	25.0		73.3	24-114				
Bis(2-chloroisopropyl)ether	20.5	5.00	"	25.0		82.0	21-124				
Bis(2-ethylhexyl)phthalate	29.1	0.500	"	25.0		116	10-171				
Caprolactam	ND	5.00	"	2.50			10-29	Low Bias			



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH11199 - EPA 3510C

LCS (BH11199-BS1)	LCS	Prepared: 08/23/2021 Analyzed: 08/24/2021									
Carbazole	24.1	5.00	ug/L	25.0		96.6	49-116				
Chrysene	24.9	0.0500	"	25.0		99.5	33-120				
Dibenzo(a,h)anthracene	30.0	0.0500	"	25.0		120	10-149				
Dibenzofuran	22.5	5.00	"	25.0		89.9	42-105				
Diethyl phthalate	23.4	5.00	"	25.0		93.7	38-112				
Dimethyl phthalate	22.9	5.00	"	25.0		91.5	49-106				
Di-n-butyl phthalate	24.8	5.00	"	25.0		99.1	36-110				
Di-n-octyl phthalate	28.2	5.00	"	25.0		113	12-149				
Fluoranthene	23.8	0.0500	"	25.0		95.2	33-126				
Fluorene	22.6	0.0500	"	25.0		90.5	28-117				
Hexachlorobenzene	21.2	0.0200	"	25.0		84.6	27-120				
Hexachlorobutadiene	21.1	0.500	"	25.0		84.4	25-106				
Hexachlorocyclopentadiene	19.9	5.00	"	25.0		79.6	10-99				
Hexachloroethane	18.9	0.500	"	25.0		75.5	33-84				
Indeno(1,2,3-cd)pyrene	27.5	0.0500	"	25.0		110	10-150				
Isophorone	21.5	5.00	"	25.0		86.1	29-115				
Naphthalene	22.1	0.0500	"	25.0		88.4	30-99				
Nitrobenzene	23.0	0.250	"	25.0		92.1	32-113				
N-Nitrosodimethylamine	12.4	0.500	"	25.0		49.5	10-63				
N-nitroso-di-n-propylamine	20.8	5.00	"	25.0		83.1	36-118				
N-Nitrosodiphenylamine	28.6	5.00	"	25.0		114	27-145				
Pentachlorophenol	29.1	0.250	"	25.0		116	19-127				
Phenanthrene	22.8	0.0500	"	25.0		91.4	31-112				
Phenol	13.6	1.25	"	25.0		54.3	10-37	High Bias			
Pyrene	29.0	0.0500	"	25.0		116	42-125				
Pyridine	17.4	5.00	"	25.5		68.1	10-46	High Bias			
Surrogate: SURR: 2-Fluorophenol	27.3		"	50.0		54.6	19.7-63.1				
Surrogate: SURR: Phenol-d5	18.3		"	50.0		36.6	10.1-41.7				
Surrogate: SURR: Nitrobenzene-d5	20.5		"	25.0		81.9	50.2-113				
Surrogate: SURR: 2-Fluorobiphenyl	19.0		"	25.0		76.2	39.9-105				
Surrogate: SURR: 2,4,6-Tribromophenol	55.9		"	50.0		112	39.3-151				
Surrogate: SURR: Terphenyl-d14	26.8		"	25.0		107	30.7-106				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH11199 - EPA 3510C											
LCS (BH11199-BS2)	LCS	Prepared: 08/23/2021 Analyzed: 08/24/2021									
1,1-Biphenyl	ND	5.00	ug/L				21-102				
1,2,4,5-Tetrachlorobenzene	ND	5.00	"				28-105				
1,2,4-Trichlorobenzene	ND	5.00	"	1.00			35-91	Low Bias			
1,2-Dichlorobenzene	ND	5.00	"	1.00			42-85	Low Bias			
1,2-Diphenylhydrazine (as Azobenzene)	ND	5.00	"	1.00			16-137	Low Bias			
1,3-Dichlorobenzene	ND	5.00	"	1.00			45-80	Low Bias			
1,4-Dichlorobenzene	ND	5.00	"	1.00			42-82	Low Bias			
2,3,4,6-Tetrachlorophenol	ND	1.25	"	1.00			30-130	Low Bias			
2,4,5-Trichlorophenol	ND	1.25	"	1.00			36-112	Low Bias			
2,4,6-Trichlorophenol	ND	1.25	"	1.00			41-107	Low Bias			
2,4-Dichlorophenol	ND	1.25	"	1.00			43-92	Low Bias			
2,4-Dimethylphenol	ND	1.25	"	1.00			25-92	Low Bias			
2,4-Dinitrophenol	ND	1.25	"	1.00			10-149	Low Bias			
2,4-Dinitrotoluene	ND	5.00	"	1.00			41-114	Low Bias			
2,6-Dinitrotoluene	ND	5.00	"	1.00			49-106	Low Bias			
2-Chloronaphthalene	ND	5.00	"	1.00			40-96	Low Bias			
2-Chlorophenol	ND	1.25	"	1.00			35-84	Low Bias			
2-Methylnaphthalene	ND	5.00	"	1.00			33-101	Low Bias			
2-Methylphenol	ND	1.25	"	1.00			10-90	Low Bias			
2-Nitroaniline	ND	5.00	"	1.00			31-122	Low Bias			
2-Nitrophenol	ND	1.25	"	1.00			37-97	Low Bias			
3- & 4-Methylphenols	ND	1.25	"	1.00			10-101	Low Bias			
3,3-Dichlorobenzidine	ND	5.00	"				25-155				
3-Nitroaniline	ND	5.00	"	1.00			29-128	Low Bias			
4,6-Dinitro-2-methylphenol	ND	1.25	"	1.00			10-135	Low Bias			
4-Bromophenyl phenyl ether	ND	5.00	"	1.00			38-116	Low Bias			
4-Chloro-3-methylphenol	ND	1.25	"	1.00			28-101	Low Bias			
4-Chloroaniline	ND	5.00	"	1.00			10-154	Low Bias			
4-Chlorophenyl phenyl ether	ND	5.00	"	1.00			34-112	Low Bias			
4-Nitroaniline	ND	5.00	"	1.00			15-143	Low Bias			
4-Nitrophenol	ND	1.25	"	1.00			10-112	Low Bias			
Acenaphthene	0.860	0.0500	"	1.00		86.0	24-114				
Acenaphthylene	0.920	0.0500	"	1.00		92.0	26-112				
Acetophenone	ND	5.00	"				47-92				
Aniline	ND	5.00	"	1.00			10-107	Low Bias			
Anthracene	0.460	0.0500	"	1.00		46.0	35-114				
Atrazine	ND	0.500	"				43-101				
Benzaldehyde	ND	5.00	"				17-117				
Benzo(a)anthracene	0.940	0.0500	"	1.00		94.0	38-127				
Benzo(a)pyrene	0.490	0.0500	"	1.00		49.0	30-146				
Benzo(b)fluoranthene	1.16	0.0500	"	1.00		116	36-145				
Benzo(g,h,i)perylene	1.18	0.0500	"	1.00		118	10-163				
Benzo(k)fluoranthene	1.05	0.0500	"	1.00		105	16-149				
Benzoic acid	ND	50.0	"				30-130				
Benzyl alcohol	ND	5.00	"	1.00			18-75	Low Bias			
Benzyl butyl phthalate	ND	5.00	"	1.00			28-129	Low Bias			
Bis(2-chloroethoxy)methane	ND	5.00	"	1.00			27-112	Low Bias			
Bis(2-chloroethyl)ether	ND	1.25	"	1.00			24-114	Low Bias			
Bis(2-chloroisopropyl)ether	ND	5.00	"	1.00			21-124	Low Bias			
Bis(2-ethylhexyl)phthalate	1.60	0.500	"	1.00		160	10-171				
Caprolactam	ND	5.00	"				10-29				



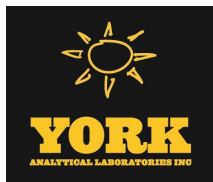
Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH11199 - EPA 3510C

LCS (BH11199-BS2)	LCS	Prepared: 08/23/2021 Analyzed: 08/24/2021									
Carbazole	ND	5.00	ug/L	1.00			49-116	Low Bias			
Chrysene	1.13	0.0500	"	1.00		113	33-120				
Dibenzo(a,h)anthracene	1.16	0.0500	"	1.00		116	10-149				
Dibenzofuran	ND	5.00	"	1.00			42-105	Low Bias			
Diethyl phthalate	ND	5.00	"	1.00			38-112	Low Bias			
Dimethyl phthalate	ND	5.00	"	1.00			49-106	Low Bias			
Di-n-butyl phthalate	ND	5.00	"	1.00			36-110	Low Bias			
Di-n-octyl phthalate	ND	5.00	"	1.00			12-149	Low Bias			
Fluoranthene	1.12	0.0500	"	1.00		112	33-126				
Fluorene	1.02	0.0500	"	1.00		102	28-117				
Hexachlorobenzene	0.860	0.0200	"	1.00		86.0	27-120				
Hexachlorobutadiene	0.780	0.500	"	1.00		78.0	25-106				
Hexachlorocyclopentadiene	ND	5.00	"	1.00			10-99	Low Bias			
Hexachloroethane	0.760	0.500	"	1.00		76.0	33-84				
Indeno(1,2,3-cd)pyrene	1.08	0.0500	"	1.00		108	10-150				
Isophorone	ND	5.00	"	1.00			29-115	Low Bias			
Naphthalene	0.940	0.0500	"	1.00		94.0	30-99				
Nitrobenzene	0.790	0.250	"	1.00		79.0	32-113				
N-Nitrosodimethylamine	ND	0.500	"	1.00			10-63	Low Bias			
N-nitroso-di-n-propylamine	ND	5.00	"	1.00			36-118	Low Bias			
N-Nitrosodiphenylamine	ND	5.00	"	1.00			27-145	Low Bias			
Pentachlorophenol	0.760	0.250	"	1.00		76.0	19-127				
Phenanthrene	1.01	0.0500	"	1.00		101	31-112				
Phenol	ND	1.25	"	1.00			10-37	Low Bias			
Pyrene	1.14	0.0500	"	1.00		114	42-125				
Pyridine	ND	5.00	"	1.00			10-46	Low Bias			
Surrogate: SURR: 2-Fluorophenol	0.00		"	50.0			19.7-63.1				
Surrogate: SURR: Phenol-d5	0.00		"	50.0			10.1-41.7				
Surrogate: SURR: Nitrobenzene-d5	0.00		"	25.0			50.2-113				
Surrogate: SURR: 2-Fluorobiphenyl	0.00		"	25.0			39.9-105				
Surrogate: SURR: 2,4,6-Tribromophenol	0.00		"	50.0			39.3-151				
Surrogate: SURR: Terphenyl-d14	0.00		"	25.0			30.7-106				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH11199 - EPA 3510C											
LCS Dup (BH11199-BSD1)	LCS Dup	Prepared: 08/23/2021 Analyzed: 08/24/2021									
1,1-Biphenyl	ND	5.00	ug/L	2.50			21-102	Low Bias		20	
1,2,4,5-Tetrachlorobenzene	20.5	5.00	"	50.0		41.0	28-105		22.9	20	Non-dir.
1,2,4-Trichlorobenzene	17.2	5.00	"	25.0		68.8	35-91		21.3	20	Non-dir.
1,2-Dichlorobenzene	15.8	5.00	"	25.0		63.2	42-85		23.0	20	Non-dir.
1,2-Diphenylhydrazine (as Azobenzene)	17.9	5.00	"	25.0		71.5	16-137		20.2	20	Non-dir.
1,3-Dichlorobenzene	15.3	5.00	"	25.0		61.2	45-80		24.0	20	Non-dir.
1,4-Dichlorobenzene	16.1	5.00	"	25.0		64.5	42-82		21.1	20	Non-dir.
2,3,4,6-Tetrachlorophenol	22.5	1.25	"	25.0		89.8	30-130		19.6	20	
2,4,5-Trichlorophenol	20.7	1.25	"	25.0		82.9	36-112		22.5	20	Non-dir.
2,4,6-Trichlorophenol	20.9	1.25	"	25.0		83.8	41-107		18.5	20	
2,4-Dichlorophenol	20.6	1.25	"	25.0		82.5	43-92		16.7	20	
2,4-Dimethylphenol	19.6	1.25	"	25.0		78.5	25-92		15.4	20	
2,4-Dinitrophenol	40.0	1.25	"	25.0		160	10-149	High Bias	30.6	20	Non-dir.
2,4-Dinitrotoluene	27.7	5.00	"	25.0		111	41-114		15.6	20	
2,6-Dinitrotoluene	25.5	5.00	"	25.0		102	49-106		17.7	20	
2-Chloronaphthalene	17.6	5.00	"	25.0		70.3	40-96		20.9	20	Non-dir.
2-Chlorophenol	19.7	1.25	"	25.0		78.6	35-84		17.0	20	
2-Methylnaphthalene	18.0	5.00	"	25.0		72.1	33-101		22.2	20	Non-dir.
2-Methylphenol	18.5	1.25	"	25.0		73.9	10-90		13.4	20	
2-Nitroaniline	23.8	5.00	"	25.0		95.1	31-122		15.9	20	
2-Nitrophenol	26.2	1.25	"	25.0		105	37-97	High Bias	18.0	20	
3- & 4-Methylphenols	15.5	1.25	"	25.0		62.0	10-101		14.0	20	
3,3-Dichlorobenzidine	18.8	5.00	"	50.0		37.6	25-155		13.5	20	
3-Nitroaniline	26.0	5.00	"	25.0		104	29-128		7.72	20	
4,6-Dinitro-2-methylphenol	40.9	1.25	"	25.0		163	10-135	High Bias	21.5	20	Non-dir.
4-Bromophenyl phenyl ether	20.2	5.00	"	25.0		80.6	38-116		21.3	20	Non-dir.
4-Chloro-3-methylphenol	20.6	1.25	"	25.0		82.3	28-101		18.3	20	
4-Chloroaniline	22.5	5.00	"	25.0		89.9	10-154		6.92	20	
4-Chlorophenyl phenyl ether	19.3	5.00	"	25.0		77.3	34-112		18.6	20	
4-Nitroaniline	24.2	5.00	"	25.0		96.7	15-143		9.42	20	
4-Nitrophenol	14.2	1.25	"	25.0		56.6	10-112		7.08	20	
Acenaphthene	18.2	0.0500	"	25.0		72.8	24-114		19.3	20	
Acenaphthylene	17.9	0.0500	"	25.0		71.7	26-112		19.6	20	
Acetophenone	ND	5.00	"	2.50			47-92	Low Bias		20	
Aniline	16.9	5.00	"	25.0		67.5	10-107		39.1	20	Non-dir.
Anthracene	20.3	0.0500	"	25.0		81.3	35-114		18.2	20	
Atrazine	2.20	0.500	"	2.50		88.0	43-101		19.7	20	
Benzaldehyde	ND	5.00	"	2.50			17-117	Low Bias		20	
Benzo(a)anthracene	20.6	0.0500	"	25.0		82.5	38-127		16.8	20	
Benzo(a)pyrene	19.0	0.0500	"	25.0		76.0	30-146		23.0	20	Non-dir.
Benzo(b)fluoranthene	18.2	0.0500	"	25.0		72.7	36-145		21.2	20	Non-dir.
Benzo(g,h,i)perylene	23.9	0.0500	"	25.0		95.6	10-163		18.2	20	
Benzo(k)fluoranthene	18.6	0.0500	"	25.0		74.4	16-149		20.3	20	Non-dir.
Benzoic acid	ND	50.0	"	2.50			30-130	Low Bias		20	
Benzyl alcohol	19.8	5.00	"	25.0		79.3	18-75	High Bias	8.78	20	
Benzyl butyl phthalate	24.0	5.00	"	25.0		96.2	28-129		16.1	20	
Bis(2-chloroethoxy)methane	17.9	5.00	"	25.0		71.7	27-112		20.3	20	Non-dir.
Bis(2-chloroethyl)ether	18.3	1.25	"	25.0		73.3	24-114		0.00	20	
Bis(2-chloroisopropyl)ether	16.8	5.00	"	25.0		67.2	21-124		19.8	20	
Bis(2-ethylhexyl)phthalate	24.4	0.500	"	25.0		97.5	10-171		17.6	20	
Caprolactam	ND	5.00	"	2.50			10-29	Low Bias		20	



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH11199 - EPA 3510C											
LCS Dup (BH11199-BSD1)	LCS Dup		Prepared: 08/23/2021 Analyzed: 08/24/2021								
Carbazole	20.1	5.00	ug/L	25.0		80.4	49-116		18.2	20	
Chrysene	21.0	0.0500	"	25.0		84.0	33-120		17.0	20	
Dibenzo(a,h)anthracene	24.6	0.0500	"	25.0		98.6	10-149		19.7	20	
Dibenzofuran	18.6	5.00	"	25.0		74.4	42-105		18.9	20	
Diethyl phthalate	19.6	5.00	"	25.0		78.2	38-112		18.0	20	
Dimethyl phthalate	19.2	5.00	"	25.0		77.0	49-106		17.2	20	
Di-n-butyl phthalate	21.0	5.00	"	25.0		83.8	36-110		16.8	20	
Di-n-octyl phthalate	22.7	5.00	"	25.0		90.9	12-149		21.4	20	Non-dir.
Fluoranthene	20.0	0.0500	"	25.0		80.0	33-126		17.4	20	
Fluorene	18.8	0.0500	"	25.0		75.3	28-117		18.4	20	
Hexachlorobenzene	17.5	0.0200	"	25.0		70.1	27-120		18.7	20	
Hexachlorobutadiene	17.1	0.500	"	25.0		68.3	25-106		21.1	20	Non-dir.
Hexachlorocyclopentadiene	15.6	5.00	"	25.0		62.5	10-99		24.0	20	Non-dir.
Hexachloroethane	15.1	0.500	"	25.0		60.3	33-84		22.3	20	Non-dir.
Indeno(1,2,3-cd)pyrene	22.7	0.0500	"	25.0		90.7	10-150		19.4	20	
Isophorone	18.1	5.00	"	25.0		72.6	29-115		17.0	20	
Naphthalene	17.8	0.0500	"	25.0		71.1	30-99		21.7	20	Non-dir.
Nitrobenzene	19.0	0.250	"	25.0		75.9	32-113		19.3	20	
N-Nitrosodimethylamine	11.2	0.500	"	25.0		44.8	10-63		9.93	20	
N-nitroso-di-n-propylamine	16.9	5.00	"	25.0		67.6	36-118		20.5	20	Non-dir.
N-Nitrosodiphenylamine	23.5	5.00	"	25.0		94.0	27-145		19.4	20	
Pentachlorophenol	23.4	0.250	"	25.0		93.5	19-127		21.9	20	Non-dir.
Phenanthrene	19.0	0.0500	"	25.0		76.2	31-112		18.1	20	
Phenol	12.0	1.25	"	25.0		48.0	10-37	High Bias	12.3	20	
Pyrene	23.5	0.0500	"	25.0		94.0	42-125		20.9	20	Non-dir.
Pyridine	16.4	5.00	"	25.5		64.4	10-46	High Bias	5.50	20	
Surrogate: SURR: 2-Fluorophenol	25.8		"	50.0		51.5	19.7-63.1				
Surrogate: SURR: Phenol-d5	16.7		"	50.0		33.3	10.1-41.7				
Surrogate: SURR: Nitrobenzene-d5	18.5		"	25.0		74.0	50.2-113				
Surrogate: SURR: 2-Fluorobiphenyl	16.2		"	25.0		64.7	39.9-105				
Surrogate: SURR: 2,4,6-Tribromophenol	49.1		"	50.0		98.3	39.3-151				
Surrogate: SURR: Terphenyl-d14	24.4		"	25.0		97.7	30.7-106				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH11462 - EPA 3510C											
Blank (BH11462-BLK1)	Blank	Prepared & Analyzed: 08/26/2021									
1,1-Biphenyl	ND	5.00	ug/L								
1,2,4,5-Tetrachlorobenzene	ND	5.00	"								
1,2,4-Trichlorobenzene	ND	5.00	"								
1,2-Dichlorobenzene	ND	5.00	"								
1,2-Diphenylhydrazine (as Azobenzene)	ND	5.00	"								
1,3-Dichlorobenzene	ND	5.00	"								
1,4-Dichlorobenzene	ND	5.00	"								
2,3,4,6-Tetrachlorophenol	ND	1.25	"								
2,4,5-Trichlorophenol	ND	1.25	"								
2,4,6-Trichlorophenol	ND	1.25	"								
2,4-Dichlorophenol	ND	1.25	"								
2,4-Dimethylphenol	ND	1.25	"								
2,4-Dinitrophenol	ND	1.25	"								
2,4-Dinitrotoluene	ND	5.00	"								
2,6-Dinitrotoluene	ND	5.00	"								
2-Chloronaphthalene	ND	5.00	"								
2-Chlorophenol	ND	1.25	"								
2-Methylnaphthalene	ND	5.00	"								
2-Methylphenol	ND	1.25	"								
2-Nitroaniline	ND	5.00	"								
2-Nitrophenol	ND	1.25	"								
3- & 4-Methylphenols	ND	1.25	"								
3,3-Dichlorobenzidine	ND	5.00	"								
3-Nitroaniline	ND	5.00	"								
4,6-Dinitro-2-methylphenol	ND	1.25	"								
4-Bromophenyl phenyl ether	ND	5.00	"								
4-Chloro-3-methylphenol	ND	1.25	"								
4-Chloroaniline	ND	5.00	"								
4-Chlorophenyl phenyl ether	ND	5.00	"								
4-Nitroaniline	ND	5.00	"								
4-Nitrophenol	ND	1.25	"								
Acenaphthene	ND	0.0500	"								
Acenaphthylene	ND	0.0500	"								
Acetophenone	ND	5.00	"								
Aniline	ND	5.00	"								
Anthracene	ND	0.0500	"								
Atrazine	ND	0.500	"								
Benzaldehyde	ND	5.00	"								
Benzidine	ND	20.0	"								
Benzo(a)anthracene	ND	0.0500	"								
Benzo(a)pyrene	ND	0.0500	"								
Benzo(b)fluoranthene	ND	0.0500	"								
Benzo(g,h,i)perylene	ND	0.0500	"								
Benzo(k)fluoranthene	ND	0.0500	"								
Benzoic acid	ND	50.0	"								
Benzyl alcohol	ND	5.00	"								
Benzyl butyl phthalate	ND	5.00	"								
Bis(2-chloroethoxy)methane	ND	5.00	"								
Bis(2-chloroethyl)ether	ND	1.25	"								
Bis(2-chloroisopropyl)ether	ND	5.00	"								
Bis(2-ethylhexyl)phthalate	0.920	0.500	"								



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH11462 - EPA 3510C

Blank (BH11462-BLK1)	Blank										Prepared & Analyzed: 08/26/2021
Caprolactam	ND	5.00	ug/L								
Carbazole	ND	5.00	"								
Chrysene	ND	0.0500	"								
Dibenzo(a,h)anthracene	ND	0.0500	"								
Dibenzofuran	ND	5.00	"								
Diethyl phthalate	ND	5.00	"								
Dimethyl phthalate	ND	5.00	"								
Di-n-butyl phthalate	ND	5.00	"								
Di-n-octyl phthalate	ND	5.00	"								
Fluoranthene	ND	0.0500	"								
Fluorene	ND	0.0500	"								
Hexachlorobenzene	ND	0.0200	"								
Hexachlorobutadiene	ND	0.500	"								
Hexachlorocyclopentadiene	ND	5.00	"								
Hexachloroethane	ND	0.500	"								
Indeno(1,2,3-cd)pyrene	ND	0.0500	"								
Isophorone	ND	5.00	"								
Naphthalene	ND	0.0500	"								
Nitrobenzene	ND	0.250	"								
N-Nitrosodimethylamine	ND	0.500	"								
N-nitroso-di-n-propylamine	ND	5.00	"								
N-Nitrosodiphenylamine	ND	5.00	"								
Pentachlorophenol	ND	0.250	"								
Phenanthrene	ND	0.0500	"								
Phenol	ND	1.25	"								
Pyrene	ND	0.0500	"								
Pyridine	ND	5.00	"								
Surrogate: SURR: 2-Fluorophenol	14.7		"	50.0		29.5	19.7-63.1				
Surrogate: SURR: Phenol-d5	8.67		"	50.0		17.3	10.1-41.7				
Surrogate: SURR: Nitrobenzene-d5	17.6		"	25.0		70.6	50.2-113				
Surrogate: SURR: 2-Fluorobiphenyl	16.8		"	25.0		67.2	39.9-105				
Surrogate: SURR: 2,4,6-Tribromophenol	50.3		"	50.0		101	39.3-151				
Surrogate: SURR: Terphenyl-d14	21.4		"	25.0		85.5	30.7-106				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH11462 - EPA 3510C											
LCS (BH11462-BS1)	LCS	Prepared & Analyzed: 08/26/2021									
1,1-Biphenyl	20.9	5.00	ug/L	25.0		83.5	21-102				
1,2,4,5-Tetrachlorobenzene	23.5	5.00	"	50.0		47.0	28-105				
1,2,4-Trichlorobenzene	19.0	5.00	"	25.0		76.2	35-91				
1,2-Dichlorobenzene	17.5	5.00	"	25.0		70.0	42-85				
1,2-Diphenylhydrazine (as Azobenzene)	19.2	5.00	"	25.0		76.6	16-137				
1,3-Dichlorobenzene	17.0	5.00	"	25.0		67.9	45-80				
1,4-Dichlorobenzene	17.7	5.00	"	25.0		70.9	42-82				
2,3,4,6-Tetrachlorophenol	24.8	1.25	"	25.0		99.2	30-130				
2,4,5-Trichlorophenol	22.8	1.25	"	25.0		91.2	36-112				
2,4,6-Trichlorophenol	22.9	1.25	"	25.0		91.6	41-107				
2,4-Dichlorophenol	21.9	1.25	"	25.0		87.7	43-92				
2,4-Dimethylphenol	18.6	1.25	"	25.0		74.4	25-92				
2,4-Dinitrophenol	41.6	1.25	"	25.0		166	10-149	High Bias			
2,4-Dinitrotoluene	28.8	5.00	"	25.0		115	41-114	High Bias			
2,6-Dinitrotoluene	27.3	5.00	"	25.0		109	49-106	High Bias			
2-Chloronaphthalene	20.0	5.00	"	25.0		79.9	40-96				
2-Chlorophenol	19.1	1.25	"	25.0		76.4	35-84				
2-Methylnaphthalene	20.1	5.00	"	25.0		80.3	33-101				
2-Methylphenol	16.1	1.25	"	25.0		64.2	10-90				
2-Nitroaniline	24.7	5.00	"	25.0		98.9	31-122				
2-Nitrophenol	27.8	1.25	"	25.0		111	37-97	High Bias			
3- & 4-Methylphenols	13.1	1.25	"	25.0		52.5	10-101				
3,3-Dichlorobenzidine	16.6	5.00	"	50.0		33.2	25-155				
3-Nitroaniline	22.6	5.00	"	25.0		90.5	29-128				
4,6-Dinitro-2-methylphenol	43.4	1.25	"	25.0		174	10-135	High Bias			
4-Bromophenyl phenyl ether	22.2	5.00	"	25.0		88.7	38-116				
4-Chloro-3-methylphenol	21.1	1.25	"	25.0		84.5	28-101				
4-Chloroaniline	18.5	5.00	"	25.0		73.9	10-154				
4-Chlorophenyl phenyl ether	20.9	5.00	"	25.0		83.7	34-112				
4-Nitroaniline	22.7	5.00	"	25.0		90.7	15-143				
4-Nitrophenol	8.91	1.25	"	25.0		35.6	10-112				
Acenaphthene	19.9	0.0500	"	25.0		79.5	24-114				
Acenaphthylene	19.6	0.0500	"	25.0		78.6	26-112				
Acetophenone	20.2	5.00	"	25.0		80.8	47-92				
Aniline	12.6	5.00	"	25.0		50.2	10-107				
Anthracene	21.0	0.0500	"	25.0		84.2	35-114				
Atrazine	23.9	0.500	"	25.0		95.6	43-101				
Benzaldehyde	19.4	5.00	"	25.0		77.7	17-117				
Benzo(a)anthracene	20.6	0.0500	"	25.0		82.5	38-127				
Benzo(a)pyrene	22.4	0.0500	"	25.0		89.7	30-146				
Benzo(b)fluoranthene	21.1	0.0500	"	25.0		84.3	36-145				
Benzo(g,h,i)perylene	21.7	0.0500	"	25.0		86.7	10-163				
Benzo(k)fluoranthene	21.6	0.0500	"	25.0		86.2	16-149				
Benzoic acid	ND	50.0	"	25.0			30-130	Low Bias			
Benzyl alcohol	16.1	5.00	"	25.0		64.6	18-75				
Benzyl butyl phthalate	21.9	5.00	"	25.0		87.7	28-129				
Bis(2-chloroethoxy)methane	19.9	5.00	"	25.0		79.6	27-112				
Bis(2-chloroethyl)ether	21.2	1.25	"	25.0		84.8	24-114				
Bis(2-chloroisopropyl)ether	18.4	5.00	"	25.0		73.6	21-124				
Bis(2-ethylhexyl)phthalate	22.8	0.500	"	25.0		91.4	10-171				
Caprolactam	6.02	5.00	"	25.0		24.1	10-29				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH11462 - EPA 3510C

LCS (BH11462-BS1)	LCS	Prepared & Analyzed: 08/26/2021									
Carbazole	21.0	5.00	ug/L	25.0		84.0	49-116				
Chrysene	21.5	0.0500	"	25.0		86.0	33-120				
Dibenzo(a,h)anthracene	22.3	0.0500	"	25.0		89.1	10-149				
Dibenzofuran	20.3	5.00	"	25.0		81.2	42-105				
Diethyl phthalate	20.6	5.00	"	25.0		82.5	38-112				
Dimethyl phthalate	20.4	5.00	"	25.0		81.5	49-106				
Di-n-butyl phthalate	21.6	5.00	"	25.0		86.4	36-110				
Di-n-octyl phthalate	22.9	5.00	"	25.0		91.5	12-149				
Fluoranthene	21.0	0.0500	"	25.0		83.9	33-126				
Fluorene	20.3	0.0500	"	25.0		81.2	28-117				
Hexachlorobenzene	18.4	0.0200	"	25.0		73.5	27-120				
Hexachlorobutadiene	19.1	0.500	"	25.0		76.4	25-106				
Hexachlorocyclopentadiene	15.5	5.00	"	25.0		62.1	10-99				
Hexachloroethane	17.0	0.500	"	25.0		67.8	33-84				
Indeno(1,2,3-cd)pyrene	20.5	0.0500	"	25.0		82.0	10-150				
Isophorone	19.5	5.00	"	25.0		77.8	29-115				
Naphthalene	19.8	0.0500	"	25.0		79.3	30-99				
Nitrobenzene	20.7	0.250	"	25.0		82.8	32-113				
N-Nitrosodimethylamine	9.15	0.500	"	25.0		36.6	10-63				
N-nitroso-di-n-propylamine	18.5	5.00	"	25.0		74.0	36-118				
N-Nitrosodiphenylamine	24.2	5.00	"	25.0		96.9	27-145				
Pentachlorophenol	22.1	0.250	"	25.0		88.4	19-127				
Phenanthrene	20.2	0.0500	"	25.0		80.6	31-112				
Phenol	8.77	1.25	"	25.0		35.1	10-37				
Pyrene	21.3	0.0500	"	25.0		85.1	42-125				
Pyridine	12.2	5.00	"	25.5		47.6	10-46	High Bias			
Surrogate: SURR: 2-Fluorophenol	20.9		"	50.0		41.8	19.7-63.1				
Surrogate: SURR: Phenol-d5	13.1		"	50.0		26.2	10.1-41.7				
Surrogate: SURR: Nitrobenzene-d5	21.3		"	25.0		85.3	50.2-113				
Surrogate: SURR: 2-Fluorobiphenyl	19.7		"	25.0		79.0	39.9-105				
Surrogate: SURR: 2,4,6-Tribromophenol	56.2		"	50.0		112	39.3-151				
Surrogate: SURR: Terphenyl-d14	22.6		"	25.0		90.5	30.7-106				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH11462 - EPA 3510C											
LCS Dup (BH11462-BS1)	LCS Dup	Prepared & Analyzed: 08/26/2021									
1,1-Biphenyl	19.9	5.00	ug/L	25.0		79.8	21-102		4.61	20	
1,2,4,5-Tetrachlorobenzene	22.5	5.00	"	50.0		44.9	28-105		4.57	20	
1,2,4-Trichlorobenzene	18.1	5.00	"	25.0		72.4	35-91		5.06	20	
1,2-Dichlorobenzene	16.4	5.00	"	25.0		65.4	42-85		6.68	20	
1,2-Diphenylhydrazine (as Azobenzene)	19.3	5.00	"	25.0		77.2	16-137		0.728	20	
1,3-Dichlorobenzene	15.9	5.00	"	25.0		63.5	45-80		6.76	20	
1,4-Dichlorobenzene	16.5	5.00	"	25.0		65.9	42-82		7.37	20	
2,3,4,6-Tetrachlorophenol	23.6	1.25	"	25.0		94.2	30-130		5.13	20	
2,4,5-Trichlorophenol	22.5	1.25	"	25.0		90.0	36-112		1.32	20	
2,4,6-Trichlorophenol	22.2	1.25	"	25.0		88.8	41-107		3.11	20	
2,4-Dichlorophenol	19.7	1.25	"	25.0		78.6	43-92		10.9	20	
2,4-Dimethylphenol	17.7	1.25	"	25.0		71.0	25-92		4.68	20	
2,4-Dinitrophenol	40.8	1.25	"	25.0		163	10-149	High Bias	1.94	20	
2,4-Dinitrotoluene	27.8	5.00	"	25.0		111	41-114		3.32	20	
2,6-Dinitrotoluene	26.8	5.00	"	25.0		107	49-106	High Bias	2.07	20	
2-Chloronaphthalene	19.3	5.00	"	25.0		77.2	40-96		3.46	20	
2-Chlorophenol	17.7	1.25	"	25.0		70.6	35-84		7.78	20	
2-Methylnaphthalene	18.8	5.00	"	25.0		75.4	33-101		6.32	20	
2-Methylphenol	14.4	1.25	"	25.0		57.8	10-90		10.6	20	
2-Nitroaniline	24.3	5.00	"	25.0		97.3	31-122		1.63	20	
2-Nitrophenol	26.6	1.25	"	25.0		106	37-97	High Bias	4.30	20	
3- & 4-Methylphenols	11.7	1.25	"	25.0		47.0	10-101		11.2	20	
3,3-Dichlorobenzidine	17.0	5.00	"	50.0		34.0	25-155		2.50	20	
3-Nitroaniline	22.9	5.00	"	25.0		91.5	29-128		1.05	20	
4,6-Dinitro-2-methylphenol	42.3	1.25	"	25.0		169	10-135	High Bias	2.68	20	
4-Bromophenyl phenyl ether	21.8	5.00	"	25.0		87.1	38-116		1.77	20	
4-Chloro-3-methylphenol	19.3	1.25	"	25.0		77.3	28-101		8.90	20	
4-Chloroaniline	18.8	5.00	"	25.0		75.2	10-154		1.66	20	
4-Chlorophenyl phenyl ether	20.4	5.00	"	25.0		81.6	34-112		2.56	20	
4-Nitroaniline	23.3	5.00	"	25.0		93.0	15-143		2.53	20	
4-Nitrophenol	9.09	1.25	"	25.0		36.4	10-112		2.00	20	
Acenaphthene	19.6	0.0500	"	25.0		78.3	24-114		1.52	20	
Acenaphthylene	19.5	0.0500	"	25.0		78.2	26-112		0.510	20	
Acetophenone	18.8	5.00	"	25.0		75.3	47-92		7.07	20	
Aniline	17.8	5.00	"	25.0		71.3	10-107		34.6	20	Non-dir.
Anthracene	21.1	0.0500	"	25.0		84.6	35-114		0.474	20	
Atrazine	24.0	0.500	"	25.0		95.9	43-101		0.251	20	
Benzaldehyde	18.5	5.00	"	25.0		74.0	17-117		4.91	20	
Benzo(a)anthracene	20.6	0.0500	"	25.0		82.2	38-127		0.389	20	
Benzo(a)pyrene	24.2	0.0500	"	25.0		96.8	30-146		7.55	20	
Benzo(b)fluoranthene	22.5	0.0500	"	25.0		89.8	36-145		6.39	20	
Benzo(g,h,i)perylene	22.6	0.0500	"	25.0		90.3	10-163		4.02	20	
Benzo(k)fluoranthene	22.8	0.0500	"	25.0		91.4	16-149		5.77	20	
Benzoic acid	ND	50.0	"	25.0			30-130	Low Bias		20	
Benzyl alcohol	15.3	5.00	"	25.0		61.2	18-75		5.28	20	
Benzyl butyl phthalate	21.5	5.00	"	25.0		86.0	28-129		1.89	20	
Bis(2-chloroethoxy)methane	18.8	5.00	"	25.0		75.2	27-112		5.73	20	
Bis(2-chloroethyl)ether	16.9	1.25	"	25.0		67.4	24-114		22.8	20	Non-dir.
Bis(2-chloroisopropyl)ether	17.1	5.00	"	25.0		68.6	21-124		7.04	20	
Bis(2-ethylhexyl)phthalate	23.1	0.500	"	25.0		92.2	10-171		0.915	20	
Caprolactam	5.97	5.00	"	25.0		23.9	10-29		0.834	20	



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH11462 - EPA 3510C											
LCS Dup (BH11462-BSD1)	LCS Dup		Prepared & Analyzed: 08/26/2021								
Carbazole	21.3	5.00	ug/L	25.0		85.4	49-116		1.65	20	
Chrysene	21.8	0.0500	"	25.0		87.0	33-120		1.11	20	
Dibenzo(a,h)anthracene	23.2	0.0500	"	25.0		92.8	10-149		4.00	20	
Dibenzofuran	19.7	5.00	"	25.0		78.8	42-105		3.00	20	
Diethyl phthalate	20.0	5.00	"	25.0		80.1	38-112		2.90	20	
Dimethyl phthalate	19.9	5.00	"	25.0		79.5	49-106		2.53	20	
Di-n-butyl phthalate	21.4	5.00	"	25.0		85.8	36-110		0.743	20	
Di-n-octyl phthalate	23.5	5.00	"	25.0		94.0	12-149		2.72	20	
Fluoranthene	20.9	0.0500	"	25.0		83.6	33-126		0.334	20	
Fluorene	20.0	0.0500	"	25.0		80.0	28-117		1.59	20	
Hexachlorobenzene	18.2	0.0200	"	25.0		72.6	27-120		1.20	20	
Hexachlorobutadiene	17.4	0.500	"	25.0		69.8	25-106		9.03	20	
Hexachlorocyclopentadiene	14.9	5.00	"	25.0		59.4	10-99		4.41	20	
Hexachloroethane	15.3	0.500	"	25.0		61.3	33-84		10.0	20	
Indeno(1,2,3-cd)pyrene	21.3	0.0500	"	25.0		85.1	10-150		3.74	20	
Isophorone	18.9	5.00	"	25.0		75.5	29-115		3.03	20	
Naphthalene	18.7	0.0500	"	25.0		74.7	30-99		5.92	20	
Nitrobenzene	19.7	0.250	"	25.0		78.9	32-113		4.90	20	
N-Nitrosodimethylamine	8.78	0.500	"	25.0		35.1	10-63		4.13	20	
N-nitroso-di-n-propylamine	18.0	5.00	"	25.0		72.0	36-118		2.85	20	
N-Nitrosodiphenylamine	23.6	5.00	"	25.0		94.4	27-145		2.64	20	
Pentachlorophenol	21.6	0.250	"	25.0		86.5	19-127		2.10	20	
Phenanthrene	20.2	0.0500	"	25.0		80.8	31-112		0.198	20	
Phenol	8.37	1.25	"	25.0		33.5	10-37		4.67	20	
Pyrene	20.7	0.0500	"	25.0		82.8	42-125		2.67	20	
Pyridine	12.2	5.00	"	25.5		48.0	10-46	High Bias	0.738	20	
Surrogate: SURR: 2-Fluorophenol	19.1		"	50.0		38.2	19.7-63.1				
Surrogate: SURR: Phenol-d5	12.0		"	50.0		23.9	10.1-41.7				
Surrogate: SURR: Nitrobenzene-d5	20.5		"	25.0		82.0	50.2-113				
Surrogate: SURR: 2-Fluorobiphenyl	19.5		"	25.0		78.0	39.9-105				
Surrogate: SURR: 2,4,6-Tribromophenol	54.0		"	50.0		108	39.3-151				
Surrogate: SURR: Terphenyl-d14	21.9		"	25.0		87.5	30.7-106				



Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH11114 - EPA 3015A

Blank (BH11114-BLK1)	Blank		Prepared: 08/20/2021 Analyzed: 08/23/2021								
Aluminum - Dissolved	ND	0.0556	mg/L								
Barium - Dissolved	ND	0.0278	"								
Calcium - Dissolved	ND	0.0556	"								
Chromium - Dissolved	ND	0.00556	"								
Cobalt - Dissolved	ND	0.00444	"								
Copper - Dissolved	ND	0.0222	"								
Iron - Dissolved	ND	0.278	"								
Lead - Dissolved	ND	0.00556	"								
Magnesium - Dissolved	ND	0.0556	"								
Manganese - Dissolved	ND	0.00556	"								
Nickel - Dissolved	ND	0.0111	"								
Potassium - Dissolved	ND	0.0556	"								
Silver - Dissolved	ND	0.00556	"								
Sodium - Dissolved	ND	0.556	"								
Vanadium - Dissolved	ND	0.0111	"								
Zinc - Dissolved	ND	0.0278	"								

LCS (BH11114-BS1)	LCS		Prepared: 08/20/2021 Analyzed: 08/23/2021								
Aluminum - Dissolved	1.95		ug/mL	2.00		97.6	80-120				
Barium - Dissolved	2.10		"	2.00		105	80-120				
Calcium - Dissolved	1.13		"	1.00		113	80-120				
Chromium - Dissolved	0.199		"	0.200		99.5	80-120				
Cobalt - Dissolved	0.517		"	0.500		103	80-120				
Copper - Dissolved	0.272		"	0.250		109	80-120				
Iron - Dissolved	1.09		"	1.00		109	80-120				
Lead - Dissolved	0.502		"	0.500		100	80-120				
Magnesium - Dissolved	1.01		"	1.00		101	80-120				
Manganese - Dissolved	0.520		"	0.500		104	80-120				
Nickel - Dissolved	0.520		"	0.500		104	80-120				
Potassium - Dissolved	0.914		"	1.00		91.4	80-120				
Silver - Dissolved	0.0479		"	0.0500		95.7	80-120				
Sodium - Dissolved	1.03		"	1.00		103	80-120				
Vanadium - Dissolved	0.502		"	0.500		100	80-120				
Zinc - Dissolved	0.513		"	0.500		103	80-120				



Metals by ICP - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH11114 - EPA 3015A

Duplicate (BH11114-DUP1)	Duplicate	*Source sample: 21H0945-03 (MW05_081821)				Prepared: 08/20/2021 Analyzed: 08/23/2021					
Aluminum - Dissolved	ND	0.0556	mg/L		ND					20	
Barium - Dissolved	0.160	0.0278	"		0.148				7.93	20	
Calcium - Dissolved	191	0.0556	"		177				7.95	20	
Chromium - Dissolved	ND	0.00556	"		ND					20	
Cobalt - Dissolved	ND	0.00444	"		ND					20	
Copper - Dissolved	ND	0.0222	"		ND					20	
Iron - Dissolved	0.421	0.278	"		0.498				16.7	20	
Lead - Dissolved	ND	0.00556	"		ND					20	
Magnesium - Dissolved	13.1	0.0556	"		12.2				7.41	20	
Manganese - Dissolved	0.0986	0.00556	"		0.0919				7.09	20	
Nickel - Dissolved	ND	0.0111	"		ND					20	
Potassium - Dissolved	12.4	0.0556	"		11.5				7.45	20	
Silver - Dissolved	ND	0.00556	"		ND					20	
Sodium - Dissolved	54.9	0.556	"		50.8				7.73	20	
Vanadium - Dissolved	ND	0.0111	"		ND					20	
Zinc - Dissolved	0.0809	0.0278	"		0.0737				9.32	20	

Matrix Spike (BH11114-MS1)	Matrix Spike	*Source sample: 21H0945-03 (MW05_081821)				Prepared: 08/20/2021 Analyzed: 08/23/2021					
Barium - Dissolved	2.44	0.0278	mg/L	2.22	0.148	103	75-125				
Chromium - Dissolved	0.219	0.00556	"	0.222	ND	98.6	75-125				
Cobalt - Dissolved	0.564	0.00444	"	0.556	ND	101	75-125				
Copper - Dissolved	0.302	0.0222	"	0.278	ND	109	75-125				
Iron - Dissolved	1.55	0.278	"	1.11	0.498	94.3	75-125				
Lead - Dissolved	0.529	0.00556	"	0.556	ND	95.3	75-125				
Manganese - Dissolved	0.669	0.00556	"	0.556	0.0919	104	75-125				
Nickel - Dissolved	0.565	0.0111	"	0.556	ND	102	75-125				
Silver - Dissolved	0.0552	0.00556	"	0.0556	ND	99.4	75-125				
Vanadium - Dissolved	0.565	0.0111	"	0.556	ND	102	75-125				
Zinc - Dissolved	0.635	0.0278	"	0.556	0.0737	101	75-125				



Metals by ICP - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH11114 - EPA 3015A

Post Spike (BH11114-PS1)	Post Spike	*Source sample: 21H0945-03 (MW05_081821)					Prepared: 08/20/2021 Analyzed: 08/23/2021				
Aluminum - Dissolved	2.03		ug/mL	2.00	0.0236	100	75-125				
Barium - Dissolved	2.24		"	2.00	0.148	105	75-125				
Calcium - Dissolved	175		"	1.00	177	NR	75-125	Low Bias			
Chromium - Dissolved	0.201		"	0.200	0.00180	99.4	75-125				
Cobalt - Dissolved	0.514		"	0.500	0.000443	103	75-125				
Copper - Dissolved	0.275		"	0.250	0.00954	106	75-125				
Iron - Dissolved	1.49		"	1.00	0.498	99.5	75-125				
Lead - Dissolved	0.476		"	0.500	-0.000450	95.2	75-125				
Magnesium - Dissolved	13.0		"	1.00	12.2	78.4	75-125				
Manganese - Dissolved	0.614		"	0.500	0.0919	105	75-125				
Nickel - Dissolved	0.513		"	0.500	-0.00142	103	75-125				
Potassium - Dissolved	12.3		"	1.00	11.5	81.7	75-125				
Silver - Dissolved	0.0484		"	0.0500	-0.000358	96.9	75-125				
Sodium - Dissolved	51.3		"	1.00	50.8	48.4	75-125	Low Bias			
Vanadium - Dissolved	0.516		"	0.500	0.000682	103	75-125				
Zinc - Dissolved	0.569		"	0.500	0.0737	99.0	75-125				

Batch BH11369 - EPA 3015A

Blank (BH11369-BLK1)	Blank						Prepared & Analyzed: 08/25/2021				
Aluminum	ND	0.0556	mg/L								
Barium	ND	0.0278	"								
Calcium	0.174	0.0556	"								
Chromium	ND	0.00556	"								
Cobalt	ND	0.00444	"								
Copper	ND	0.0222	"								
Iron	ND	0.278	"								
Lead	ND	0.00556	"								
Magnesium	ND	0.0556	"								
Manganese	ND	0.00556	"								
Nickel	ND	0.0111	"								
Potassium	ND	0.0556	"								
Silver	ND	0.00556	"								
Sodium	ND	0.556	"								
Vanadium	ND	0.0111	"								
Zinc	ND	0.0278	"								



Metals by ICP - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH11369 - EPA 3015A

LCS (BH11369-BS1)	LCS	Prepared & Analyzed: 08/25/2021									
Aluminum	2.18	ug/mL	2.00	109	80-120						
Barium	2.21	"	2.00	111	80-120						
Calcium	1.20	"	1.00	120	80-120						
Chromium	0.212	"	0.200	106	80-120						
Cobalt	0.546	"	0.500	109	80-120						
Copper	0.279	"	0.250	111	80-120						
Iron	1.11	"	1.00	111	80-120						
Lead	0.545	"	0.500	109	80-120						
Magnesium	1.08	"	1.00	108	80-120						
Manganese	0.551	"	0.500	110	80-120						
Nickel	0.543	"	0.500	109	80-120						
Potassium	1.16	"	1.00	116	80-120						
Silver	0.0492	"	0.0500	98.5	80-120						
Sodium	1.36	"	1.00	136	80-120			High Bias			
Vanadium	0.533	"	0.500	107	80-120						
Zinc	0.520	"	0.500	104	80-120						

Duplicate (BH11369-DUP1)	Duplicate	*Source sample: 21H0945-01 (MW03_081821) Prepared & Analyzed: 08/25/2021									
Aluminum	ND	0.0556	mg/L	ND							20
Barium	0.128	0.0278	"	0.129				1.14			20
Calcium	188	0.0556	"	192				1.97			20
Chromium	ND	0.00556	"	ND							20
Cobalt	ND	0.00444	"	ND							20
Copper	ND	0.0222	"	ND							20
Iron	2.70	0.278	"	2.78				2.78			20
Lead	ND	0.00556	"	ND							20
Magnesium	9.52	0.0556	"	9.69				1.80			20
Manganese	0.260	0.00556	"	0.262				0.969			20
Nickel	ND	0.0111	"	ND							20
Potassium	14.4	0.0556	"	14.7				1.94			20
Silver	ND	0.00556	"	ND							20
Sodium	113	0.556	"	115				1.86			20
Vanadium	ND	0.0111	"	ND							20
Zinc	0.141	0.0278	"	0.138				2.52			20



Metals by ICP - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH11369 - EPA 3015A

Matrix Spike (BH11369-MS1)	Matrix Spike	*Source sample: 21H0945-01 (MW03_081821)						Prepared & Analyzed: 08/25/2021			
Aluminum		2.45	0.0556	mg/L	2.22	ND	110	75-125			
Barium		2.46	0.0278	"	2.22	0.129	105	75-125			
Calcium		185	0.0556	"	1.11	192	NR	75-125	Low Bias		
Chromium		0.227	0.00556	"	0.222	ND	102	75-125			
Cobalt		0.574	0.00444	"	0.556	ND	103	75-125			
Copper		0.310	0.0222	"	0.278	ND	112	75-125			
Iron		3.84	0.278	"	1.11	2.78	95.3	75-125			
Lead		0.566	0.00556	"	0.556	ND	102	75-125			
Magnesium		10.5	0.0556	"	1.11	9.69	72.8	75-125	Low Bias		
Manganese		0.839	0.00556	"	0.556	0.262	104	75-125			
Nickel		0.589	0.0111	"	0.556	ND	106	75-125			
Potassium		15.3	0.0556	"	1.11	14.7	50.5	75-125	Low Bias		
Silver		0.0536	0.00556	"	0.0556	ND	96.4	75-125			
Sodium		112	0.556	"	1.11	115	NR	75-125	Low Bias		
Vanadium		0.585	0.0111	"	0.556	ND	105	75-125			
Zinc		0.705	0.0278	"	0.556	0.138	102	75-125			

Post Spike (BH11369-PS1)	Post Spike	*Source sample: 21H0945-01 (MW03_081821)						Prepared & Analyzed: 08/25/2021			
Aluminum		2.28		ug/mL	2.00	0.00837	113	75-125			
Barium		2.26		"	2.00	0.129	106	75-125			
Calcium		171		"	1.00	192	NR	75-125	Low Bias		
Chromium		0.208		"	0.200	0.00160	103	75-125			
Cobalt		0.528		"	0.500	0.000394	105	75-125			
Copper		0.285		"	0.250	0.00566	112	75-125			
Iron		3.53		"	1.00	2.78	75.3	75-125			
Lead		0.516		"	0.500	-0.00218	103	75-125			
Magnesium		9.68		"	1.00	9.69	NR	75-125	Low Bias		
Manganese		0.769		"	0.500	0.262	101	75-125			
Nickel		0.539		"	0.500	-0.00458	108	75-125			
Potassium		14.1		"	1.00	14.7	NR	75-125	Low Bias		
Silver		0.0494		"	0.0500	0.00166	95.4	75-125			
Sodium		103		"	1.00	115	NR	75-125	Low Bias		
Vanadium		0.536		"	0.500	0.00161	107	75-125			
Zinc		0.641		"	0.500	0.138	101	75-125			



Metals by ICP - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH11370 - EPA 3015A

Blank (BH11370-BLK1)	Blank										Prepared & Analyzed: 08/25/2021
Aluminum - Dissolved	ND	0.0556	mg/L								
Barium - Dissolved	ND	0.0278	"								
Calcium - Dissolved	0.215	0.0556	"								
Chromium - Dissolved	ND	0.00556	"								
Cobalt - Dissolved	ND	0.00444	"								
Copper - Dissolved	ND	0.0222	"								
Iron - Dissolved	ND	0.278	"								
Lead - Dissolved	ND	0.00556	"								
Magnesium - Dissolved	ND	0.0556	"								
Manganese - Dissolved	ND	0.00556	"								
Nickel - Dissolved	ND	0.0111	"								
Potassium - Dissolved	ND	0.0556	"								
Silver - Dissolved	ND	0.00556	"								
Sodium - Dissolved	ND	0.556	"								
Vanadium - Dissolved	ND	0.0111	"								
Zinc - Dissolved	ND	0.0278	"								

LCS (BH11370-BS1)	LCS										Prepared & Analyzed: 08/25/2021
Aluminum - Dissolved	2.15		ug/mL	2.00		107	80-120				
Barium - Dissolved	2.20		"	2.00		110	80-120				
Calcium - Dissolved	1.20		"	1.00		120	80-120				
Chromium - Dissolved	0.211		"	0.200		106	80-120				
Cobalt - Dissolved	0.548		"	0.500		110	80-120				
Copper - Dissolved	0.281		"	0.250		112	80-120				
Iron - Dissolved	1.09		"	1.00		109	80-120				
Lead - Dissolved	0.545		"	0.500		109	80-120				
Magnesium - Dissolved	1.03		"	1.00		103	80-120				
Manganese - Dissolved	0.551		"	0.500		110	80-120				
Nickel - Dissolved	0.546		"	0.500		109	80-120				
Potassium - Dissolved	1.04		"	1.00		104	80-120				
Silver - Dissolved	0.0490		"	0.0500		98.1	80-120				
Sodium - Dissolved	1.11		"	1.00		111	80-120				
Vanadium - Dissolved	0.532		"	0.500		106	80-120				
Zinc - Dissolved	0.523		"	0.500		105	80-120				



Metals by ICP - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH11370 - EPA 3015A

Duplicate (BH11370-DUP1)	Duplicate	*Source sample: 21H0945-02 (MW04_081821)					Prepared & Analyzed: 08/25/2021				
Aluminum - Dissolved	ND	0.0556	mg/L		ND					20	
Barium - Dissolved	0.752	0.0278	"		0.759				0.979	20	
Calcium - Dissolved	313	0.0556	"		315				0.634	20	
Chromium - Dissolved	ND	0.00556	"		ND					20	
Cobalt - Dissolved	ND	0.00444	"		ND					20	
Copper - Dissolved	ND	0.0222	"		ND					20	
Iron - Dissolved	57.1	0.278	"		56.9				0.312	20	
Lead - Dissolved	ND	0.00556	"		ND					20	
Magnesium - Dissolved	66.3	0.0556	"		66.2				0.152	20	
Manganese - Dissolved	1.56	0.00556	"		1.57				0.696	20	
Nickel - Dissolved	ND	0.0111	"		ND					20	
Potassium - Dissolved	61.5	0.0556	"		62.1				0.892	20	
Silver - Dissolved	ND	0.00556	"		ND					20	
Sodium - Dissolved	1300	0.556	"		1300				0.0541	20	
Vanadium - Dissolved	ND	0.0111	"		ND					20	
Zinc - Dissolved	0.111	0.0278	"		0.119				6.53	20	

Matrix Spike (BH11370-MS1)	Matrix Spike	*Source sample: 21H0945-02 (MW04_081821)					Prepared & Analyzed: 08/25/2021				
Barium - Dissolved	3.25	0.0278	mg/L	2.22	0.759	112	75-125				
Chromium - Dissolved	0.247	0.00556	"	0.222	ND	111	75-125				
Cobalt - Dissolved	0.612	0.00444	"	0.556	ND	110	75-125				
Copper - Dissolved	0.346	0.0222	"	0.278	ND	125	75-125				
Iron - Dissolved	57.2	0.278	"	1.11	56.9	24.9	75-125	Low Bias			
Lead - Dissolved	0.604	0.00556	"	0.556	ND	109	75-125				
Manganese - Dissolved	2.14	0.00556	"	0.556	1.57	102	75-125				
Nickel - Dissolved	0.655	0.0111	"	0.556	ND	118	75-125				
Silver - Dissolved	0.0615	0.00556	"	0.0556	ND	111	75-125				
Vanadium - Dissolved	0.643	0.0111	"	0.556	ND	116	75-125				
Zinc - Dissolved	0.731	0.0278	"	0.556	0.119	110	75-125				

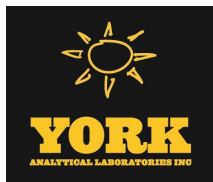


Metals by ICP - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH11370 - EPA 3015A

Post Spike (BH11370-PS1)	Post Spike	*Source sample: 21H0945-02 (MW04_081821)					Prepared & Analyzed: 08/25/2021				
Aluminum - Dissolved	2.20		ug/mL	2.00	0.0501	108	75-125				
Barium - Dissolved	2.80		"	2.00	0.759	102	75-125				
Calcium - Dissolved	284		"	1.00	315	NR	75-125	Low Bias			
Chromium - Dissolved	0.207		"	0.200	0.00201	103	75-125				
Cobalt - Dissolved	0.528		"	0.500	0.00143	105	75-125				
Copper - Dissolved	0.292		"	0.250	0.00627	114	75-125				
Iron - Dissolved	51.9		"	1.00	56.9	NR	75-125	Low Bias			
Lead - Dissolved	0.506		"	0.500	-0.00688	101	75-125				
Magnesium - Dissolved	59.9		"	1.00	66.2	NR	75-125	Low Bias			
Manganese - Dissolved	1.93		"	0.500	1.57	71.5	75-125	Low Bias			
Nickel - Dissolved	0.549		"	0.500	-0.00760	110	75-125				
Potassium - Dissolved	58.9		"	1.00	62.1	NR	75-125	Low Bias			
Silver - Dissolved	0.0537		"	0.0500	-0.000313	107	75-125				
Sodium - Dissolved	1190		"	1.00	1300	NR	75-125	Low Bias			
Vanadium - Dissolved	0.541		"	0.500	0.00111	108	75-125				
Zinc - Dissolved	0.628		"	0.500	0.119	102	75-125				



Metals by ICP/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

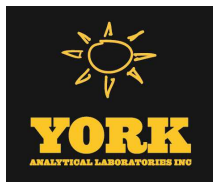
Batch BH11222 - EPA 3015A

Blank (BH11222-BLK1)	Blank	Prepared & Analyzed: 08/23/2021									
Antimony - Dissolved	ND	0.00111	mg/L								
Arsenic - Dissolved	ND	0.00111	"								
Beryllium - Dissolved	ND	0.000333	"								
Cadmium - Dissolved	ND	0.000556	"								
Selenium - Dissolved	0.00586	0.00111	"								
Thallium - Dissolved	ND	0.00111	"								

LCS (BH11222-BS1)	LCS	Prepared & Analyzed: 08/23/2021									
Antimony - Dissolved	50.7		ug/L	50.0		101	80-120				
Arsenic - Dissolved	49.8		"	50.0		99.6	80-120				
Beryllium - Dissolved	53.7		"	50.0		107	80-120				
Cadmium - Dissolved	47.6		"	50.0		95.1	80-120				
Selenium - Dissolved	52.0		"	50.0		104	80-120				
Thallium - Dissolved	53.7		"	50.0		107	80-120				

Duplicate (BH11222-DUP1)	Duplicate	*Source sample: 21H1080-07 (Duplicate) Prepared & Analyzed: 08/23/2021									
Antimony - Dissolved	ND	0.00111	mg/L		ND						20
Arsenic - Dissolved	ND	0.00111	"		ND						20
Beryllium - Dissolved	ND	0.000333	"		ND						20
Cadmium - Dissolved	ND	0.000556	"		ND						20
Selenium - Dissolved	0.00648	0.00111	"		0.00783				18.8		20
Thallium - Dissolved	ND	0.00111	"		ND						20

Matrix Spike (BH11222-MS1)	Matrix Spike	*Source sample: 21H1080-07 (Matrix Spike) Prepared & Analyzed: 08/23/2021									
Antimony - Dissolved	43.3		ug/L	50.0	0.060	86.5	75-125				
Arsenic - Dissolved	50.6		"	50.0	0.197	101	75-125				
Beryllium - Dissolved	36.4		"	50.0	-0.004	72.7	75-125	Low Bias			
Cadmium - Dissolved	40.4		"	50.0	0.006	80.9	75-125				
Selenium - Dissolved	58.9		"	50.0	7.05	104	75-125				
Thallium - Dissolved	58.2		"	50.0	-0.002	116	75-125				



Metals by ICP/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH11371 - EPA 3015A											
Blank (BH11371-BLK1)	Blank							Prepared & Analyzed: 08/25/2021			
Antimony	ND	0.00111	mg/L								
Arsenic	ND	0.00111	"								
Beryllium	ND	0.000333	"								
Cadmium	ND	0.000556	"								
Selenium	ND	0.00111	"								
Thallium	ND	0.00111	"								
LCS (BH11371-BS1)	LCS							Prepared & Analyzed: 08/25/2021			
Antimony	46.5		ug/L	50.0		93.0	80-120				
Arsenic	48.7		"	50.0		97.4	80-120				
Beryllium	53.0		"	50.0		106	80-120				
Cadmium	48.8		"	50.0		97.5	80-120				
Selenium	43.9		"	50.0		87.8	80-120				
Thallium	50.6		"	50.0		101	80-120				
Duplicate (BH11371-DUP1)	Duplicate	*Source sample: 21H1080-07 (Duplicate)							Prepared & Analyzed: 08/25/2021		
Antimony	ND	0.00111	mg/L		ND					20	
Arsenic	0.00741	0.00111	"		0.00467				45.4	20	Non-dir.
Beryllium	0.000565	0.000333	"		0.000586				3.78	20	
Cadmium	0.00139	0.000556	"		0.00126				9.91	20	
Selenium	0.00347	0.00111	"		0.00406				15.8	20	
Thallium	ND	0.00111	"		ND					20	
Matrix Spike (BH11371-MS1)	Matrix Spike	*Source sample: 21H1080-07 (Matrix Spike)							Prepared & Analyzed: 08/25/2021		
Antimony	46.2		ug/L	50.0	0.484	91.4	75-125				
Arsenic	53.9		"	50.0	4.20	99.4	75-125				
Beryllium	18.5		"	50.0	0.528	35.9	75-125	Low Bias			
Cadmium	48.2		"	50.0	1.14	94.2	75-125				
Selenium	49.6		"	50.0	3.66	91.8	75-125				
Thallium	37.5		"	50.0	0.115	74.7	75-125	Low Bias			



Mercury by EPA 7000/200 Series Methods - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH11179 - EPA SW846-7470A

Blank (BH11179-BLK1)	Blank								Prepared & Analyzed: 08/20/2021		
Mercury - Dissolved	ND	0.0002000	mg/L								
LCS (BH11179-BS1)	LCS								Prepared & Analyzed: 08/20/2021		
Mercury - Dissolved	0.002171	0.0002000	mg/L	0.00200		109	80-120				
LCS (BH11179-BS2)	LCS								Prepared & Analyzed: 08/20/2021		
Mercury - Dissolved	0.002098	0.0002000	mg/L	0.00200		105	80-120				

Batch BH11364 - EPA SW846-7470A

Blank (BH11364-BLK1)	Blank								Prepared & Analyzed: 08/24/2021		
Mercury	ND	0.0002	mg/L								
LCS (BH11364-BS1)	LCS								Prepared & Analyzed: 08/24/2021		
Mercury	0.002041	0.0002	mg/L	0.00200		102	80-120				
LCS (BH11364-BS2)	LCS								Prepared & Analyzed: 08/24/2021		
Mercury	0.002211	0.0002	mg/L	0.00200		111	80-120				



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
21H0945-01	MW03_081821	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
21H0945-02	MW04_081821	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
21H0945-03	MW05_081821	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
21H0945-04	TRIP BLANK	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
21H0945-05	TRIP BLANK-2	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



Sample and Data Qualifiers Relating to This Work Order

S-HI	Surrogate recovery is above acceptance limits. No target compound is detected in sample.
S-08	The recovery of this surrogate was outside of QC limits.
QR-04	The RPD exceeded control limits for the LCS/LCSD QC.
QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data are acceptable.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
M-SRD1	The serial dilution for this element was outside control limits.
M-SPKM	The spike recovery is not within acceptance windows due to sample non-homogeneity, or matrix interference.
M-MBLk	Analyte was detected in the batch method blank above the Reporting Limit.
M-DUPS	The RPD between the native sample and the duplicate is outside of limits due to sample non-homogeneity
M-CRL	The RL check for this element recovered outside of control limits.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
HT-01R	This flag indicates that the sample was initially analyzed within recommended hold time and that a re-run was performed outside of the hold time.
CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.

Definitions and Other Explanations

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



- High Bias** High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
- Non-Dir.** Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

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

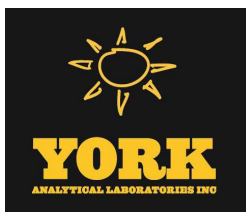
If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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



Technical Report

prepared for:

Langan Engineering & Environmental Services (NYC)

21 Penn Plaza, 360 West 31st Street

New York NY, 10001

Attention: Albert Tashji

Report Date: 08/26/2021

Client Project ID: 170362002

York Project (SDG) No.: 21H0946



CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037

New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

Report Date: 08/26/2021
Client Project ID: 170362002
York Project (SDG) No.: 21H0946

Langan Engineering & Environmental Services (NYC)
21 Penn Plaza, 360 West 31st Street
New York NY, 10001
Attention: Albert Tashji

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on August 18, 2021 and listed below. The project was identified as your project: **170362002**.

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

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

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

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

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

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
21H0946-01	SB20_1-2	Soil	08/18/2021	08/18/2021
21H0946-02	SB21_6-7	Soil	08/18/2021	08/18/2021
21H0946-03	SB22_9-10	Soil	08/18/2021	08/18/2021
21H0946-04	SB23_10-11	Soil	08/18/2021	08/18/2021
21H0946-05	SB24_1-2	Soil	08/18/2021	08/18/2021
21H0946-06	Trip Blank	Water	08/18/2021	08/18/2021

General Notes for York Project (SDG) No.: 21H0946

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

Approved By



Cassie L. Mosher
Laboratory Manager

Date: 08/26/2021





Sample Information

Client Sample ID: SB20_1-2

York Sample ID: 21H0946-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21H0946

170362002

Soil

August 18, 2021 9:15 am

08/18/2021

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:17	KHA
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:17	KHA
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:17	KHA
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/20/2021 06:00	08/20/2021 19:17	KHA
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:17	KHA
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:17	KHA
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:17	KHA
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:17	KHA
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	08/20/2021 06:00	08/20/2021 19:17	KHA
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:17	KHA
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:17	KHA
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:17	KHA
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:17	KHA
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:17	KHA
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:17	KHA
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:17	KHA
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:17	KHA
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:17	KHA
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:17	KHA
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.062	0.12	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:17	KHA
78-93-3	2-Butanone	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:17	KHA



Sample Information

Client Sample ID: SB20_1-2

York Sample ID: 21H0946-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21H0946

170362002

Soil

August 18, 2021 9:15 am

08/18/2021

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:17	KHA
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:17	KHA
67-64-1	Acetone	ND		mg/kg dry	0.0062	0.012	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:17	KHA
107-02-8	Acrolein	ND		mg/kg dry	0.0062	0.012	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:17	KHA
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:17	KHA
71-43-2	Benzene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:17	KHA
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:17	KHA
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:17	KHA
75-25-2	Bromoform	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:17	KHA
74-83-9	Bromomethane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:17	KHA
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:17	KHA
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:17	KHA
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:17	KHA
75-00-3	Chloroethane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:17	KHA
67-66-3	Chloroform	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:17	KHA
74-87-3	Chloromethane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:17	KHA
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:17	KHA
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:17	KHA
110-82-7	Cyclohexane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:17	KHA
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:17	KHA
74-95-3	Dibromomethane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:17	KHA
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:17	KHA



Sample Information

Client Sample ID: SB20_1-2

York Sample ID: 21H0946-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21H0946

170362002

Soil

August 18, 2021 9:15 am

08/18/2021

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:17	KHA
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:17	KHA
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:17	KHA
79-20-9	Methyl acetate	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:17	KHA
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:17	KHA
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:17	KHA
75-09-2	Methylene chloride	ND		mg/kg dry	0.0062	0.012	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:17	KHA
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:17	KHA
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:17	KHA
95-47-6	o-Xylene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:17	KHA
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0062	0.012	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:17	KHA
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:17	KHA
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:17	KHA
100-42-5	Styrene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:17	KHA
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:17	KHA
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:17	KHA
127-18-4	Tetrachloroethylene	0.0069	CCV-E	mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:17	KHA
108-88-3	Toluene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:17	KHA
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:17	KHA
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:17	KHA
110-57-6	* trans-1,4-dichloro-2-butene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH	08/20/2021 06:00	08/20/2021 19:17	KHA
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:17	KHA



Sample Information

Client Sample ID: SB20_1-2

York Sample ID: 21H0946-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

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21H0946

170362002

Soil

August 18, 2021 9:15 am

08/18/2021

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:17	KHA
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:17	KHA
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0093	0.019	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/20/2021 06:00	08/20/2021 19:17	KHA
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	107 %			77-125						
2037-26-5	Surrogate: SURR: Toluene-d8	104 %			85-120						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	103 %			76-130						

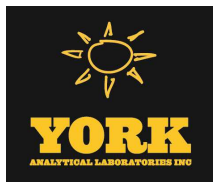
Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:22	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0934	0.187	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:22	KH
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:22	KH
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/24/2021 08:04	08/24/2021 16:22	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:22	KH
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/24/2021 08:04	08/24/2021 16:22	KH
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/24/2021 08:04	08/24/2021 16:22	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0934	0.187	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:22	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:22	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:22	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:22	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:22	KH
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0934	0.187	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:22	KH



Sample Information

Client Sample ID: SB20_1-2

York Sample ID: 21H0946-01

York Project (SDG) No.

Client Project ID

Matrix

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21H0946

170362002

Soil

August 18, 2021 9:15 am

08/18/2021

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:22	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:22	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:22	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:22	KH
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:22	KH
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:22	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0934	0.187	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:22	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:22	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:22	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:22	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0934	0.187	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:22	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0934	0.187	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:22	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:22	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:22	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:22	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:22	KH
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0934	0.187	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:22	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0934	0.187	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:22	KH
83-32-9	Acenaphthene	0.0552	J	mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:22	KH
208-96-8	Acenaphthylene	0.0493	J	mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:22	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:22	KH
62-53-3	Aniline	ND		mg/kg dry	0.187	0.374	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:22	KH



Sample Information

Client Sample ID: SB20_1-2

York Sample ID: 21H0946-01

York Project (SDG) No.
21H0946

Client Project ID
170362002

Matrix
Soil

Collection Date/Time
August 18, 2021 9:15 am

Date Received
08/18/2021

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-12-7	Anthracene	0.169		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:22	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:22	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:22	KH
92-87-5	Benzidine	ND		mg/kg dry	0.187	0.374	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	08/24/2021 08:04	08/24/2021 16:22	KH
56-55-3	Benzo(a)anthracene	0.761		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:22	KH
50-32-8	Benzo(a)pyrene	0.725		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:22	KH
205-99-2	Benzo(b)fluoranthene	0.555		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:22	KH
191-24-2	Benzo(g,h,i)perylene	0.464		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:22	KH
207-08-9	Benzo(k)fluoranthene	0.545		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:22	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:22	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:22	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:22	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:22	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:22	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:22	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:22	KH
105-60-2	Caprolactam	ND		mg/kg dry	0.0934	0.187	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:22	KH
86-74-8	Carbazole	0.0597	J	mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:22	KH
218-01-9	Chrysene	0.682		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:22	KH
53-70-3	Dibenzo(a,h)anthracene	0.124		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:22	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:22	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:22	KH



Sample Information

Client Sample ID: SB20_1-2

York Sample ID: 21H0946-01

York Project (SDG) No.

Client Project ID

Matrix

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21H0946

170362002

Soil

August 18, 2021 9:15 am

08/18/2021

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:22	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:22	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:22	KH
122-39-4	* Diphenylamine	ND		mg/kg dry	0.0934	0.187	2	EPA 8270D Certifications:	08/24/2021 08:04	08/24/2021 16:22	KH
206-44-0	Fluoranthene	1.34		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:22	KH
86-73-7	Fluorene	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:22	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:22	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:22	KH
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:22	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:22	KH
193-39-5	Indeno(1,2,3-cd)pyrene	0.607		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:22	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:22	KH
91-20-3	Naphthalene	0.0590	J	mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:22	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:22	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:22	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:22	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:22	KH
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:22	KH
85-01-8	Phenanthrene	0.747		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:22	KH
108-95-2	Phenol	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:22	KH
129-00-0	Pyrene	1.28		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:22	KH
Surrogate Recoveries		Result	Acceptance Range								



Sample Information

Client Sample ID: SB20_1-2

York Sample ID: 21H0946-01

York Project (SDG) No.
21H0946

Client Project ID
170362002

Matrix
Soil

Collection Date/Time
August 18, 2021 9:15 am

Date Received
08/18/2021

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
367-12-4	Surrogate: SURR: 2-Fluorophenol	47.9 %			20-108						
4165-62-2	Surrogate: SURR: Phenol-d5	41.5 %			23-114						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	58.5 %			22-108						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	57.5 %			21-113						
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	78.3 %			19-110						
1718-51-0	Surrogate: SURR: Terphenyl-d14	73.7 %			24-116						

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0188	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/25/2021 07:55	08/25/2021 13:37	BJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0188	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/25/2021 07:55	08/25/2021 13:37	BJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0188	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/25/2021 07:55	08/25/2021 13:37	BJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0188	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/25/2021 07:55	08/25/2021 13:37	BJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0188	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/25/2021 07:55	08/25/2021 13:37	BJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0188	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/25/2021 07:55	08/25/2021 13:37	BJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0188	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/25/2021 07:55	08/25/2021 13:37	BJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0188	1	EPA 8082A Certifications:	08/25/2021 07:55	08/25/2021 13:37	BJ
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	86.5 %			30-140					
2051-24-3	Surrogate: Decachlorobiphenyl	52.5 %			30-140					

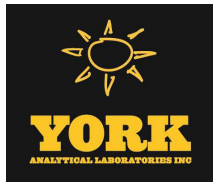
Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	8470		mg/kg dry	5.77	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:23	EM
7440-36-0	Antimony	ND		mg/kg dry	2.88	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:23	EM
7440-38-2	Arsenic	8.07		mg/kg dry	1.73	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:23	EM



Sample Information

Client Sample ID: SB20_1-2

York Sample ID: 21H0946-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21H0946

170362002

Soil

August 18, 2021 9:15 am

08/18/2021

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-39-3	Barium	202		mg/kg dry	2.88	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:23	EM
7440-41-7	Beryllium	0.151		mg/kg dry	0.058	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:23	EM
7440-43-9	Cadmium	1.36		mg/kg dry	0.346	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:23	EM
7440-70-2	Calcium	8630	B	mg/kg dry	5.77	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:23	EM
7440-47-3	Chromium	18.3		mg/kg dry	0.577	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:23	EM
7440-48-4	Cobalt	8.82		mg/kg dry	0.461	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:23	EM
7440-50-8	Copper	514		mg/kg dry	2.31	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:23	EM
7439-89-6	Iron	14900		mg/kg dry	28.8	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:23	EM
7439-92-1	Lead	555		mg/kg dry	0.577	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:23	EM
7439-95-4	Magnesium	1720		mg/kg dry	5.77	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:23	EM
7439-96-5	Manganese	213		mg/kg dry	0.577	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:23	EM
7440-02-0	Nickel	24.5		mg/kg dry	1.15	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:23	EM
7440-09-7	Potassium	1400		mg/kg dry	5.77	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:23	EM
7782-49-2	Selenium	ND		mg/kg dry	2.88	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:23	EM
7440-22-4	Silver	ND		mg/kg dry	0.577	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:23	EM
7440-23-5	Sodium	857		mg/kg dry	57.7	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:23	EM
7440-28-0	Thallium	ND		mg/kg dry	2.88	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:23	EM
7440-62-2	Vanadium	25.1		mg/kg dry	1.15	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:23	EM
7440-66-6	Zinc	652		mg/kg dry	2.88	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:23	EM

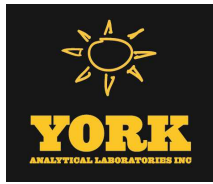
Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120 RESEARCH DRIVE		STRATFORD, CT 06615					132-02 89th AVENUE		RICHMOND HILL, NY 11418	
www.YORKLAB.com		(203) 325-1371					FAX (203) 357-0166		ClientServices@yorklab.com	



Sample Information

Client Sample ID: SB20_1-2

York Sample ID: 21H0946-01

York Project (SDG) No.

21H0946

Client Project ID

170362002

Matrix

Soil

Collection Date/Time

August 18, 2021 9:15 am

Date Received

08/18/2021

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	2.93		mg/kg dry	0.0346	1	EPA 7473	08/25/2021 08:22	08/25/2021 14:01	MAO
Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP										

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	86.7		%	0.100	1	SM 2540G	08/24/2021 18:38	08/25/2021 13:37	VR
Certifications: CTDOH										



Sample Information

Client Sample ID: SB21_6-7

York Sample ID: 21H0946-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21H0946

170362002

Soil

August 18, 2021 9:50 am

08/18/2021

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:43	KHA
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:43	KHA
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:43	KHA
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/20/2021 06:00	08/20/2021 19:43	KHA
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:43	KHA
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:43	KHA
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:43	KHA
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:43	KHA
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	08/20/2021 06:00	08/20/2021 19:43	KHA
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:43	KHA
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:43	KHA
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:43	KHA
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:43	KHA
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:43	KHA
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:43	KHA
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:43	KHA
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:43	KHA
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:43	KHA
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:43	KHA
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.056	0.11	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:43	KHA
78-93-3	2-Butanone	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:43	KHA



Sample Information

Client Sample ID: SB21_6-7

York Sample ID: 21H0946-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21H0946

170362002

Soil

August 18, 2021 9:50 am

08/18/2021

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:43	KHA
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:43	KHA
67-64-1	Acetone	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:43	KHA
107-02-8	Acrolein	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:43	KHA
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:43	KHA
71-43-2	Benzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:43	KHA
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:43	KHA
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:43	KHA
75-25-2	Bromoform	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:43	KHA
74-83-9	Bromomethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:43	KHA
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:43	KHA
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:43	KHA
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:43	KHA
75-00-3	Chloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:43	KHA
67-66-3	Chloroform	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:43	KHA
74-87-3	Chloromethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:43	KHA
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:43	KHA
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:43	KHA
110-82-7	Cyclohexane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:43	KHA
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:43	KHA
74-95-3	Dibromomethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:43	KHA
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:43	KHA



Sample Information

Client Sample ID: SB21_6-7

York Sample ID: 21H0946-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21H0946

170362002

Soil

August 18, 2021 9:50 am

08/18/2021

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:43	KHA
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:43	KHA
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:43	KHA
79-20-9	Methyl acetate	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:43	KHA
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:43	KHA
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:43	KHA
75-09-2	Methylene chloride	0.0065	J	mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:43	KHA
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:43	KHA
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:43	KHA
95-47-6	o-Xylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:43	KHA
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:43	KHA
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:43	KHA
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:43	KHA
100-42-5	Styrene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:43	KHA
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:43	KHA
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:43	KHA
127-18-4	Tetrachloroethylene	0.0045	CCV-E, J	mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:43	KHA
108-88-3	Toluene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:43	KHA
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:43	KHA
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:43	KHA
110-57-6	* trans-1,4-dichloro-2-butene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH	08/20/2021 06:00	08/20/2021 19:43	KHA
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:43	KHA



Sample Information

Client Sample ID: SB21_6-7

York Sample ID: 21H0946-02

York Project (SDG) No.
21H0946

Client Project ID
170362002

Matrix
Soil

Collection Date/Time
August 18, 2021 9:50 am

Date Received
08/18/2021

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:43	KHA
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:43	KHA
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0084	0.017	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/20/2021 06:00	08/20/2021 19:43	KHA
Surrogate Recoveries		Result		Acceptance Range							
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	107 %		77-125							
2037-26-5	Surrogate: SURR: Toluene-d8	101 %		85-120							
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	101 %		76-130							

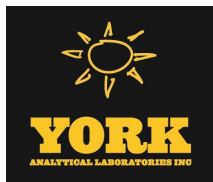
Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:53	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0999	0.200	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:53	KH
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:53	KH
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/24/2021 08:04	08/24/2021 16:53	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:53	KH
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/24/2021 08:04	08/24/2021 16:53	KH
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/24/2021 08:04	08/24/2021 16:53	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0999	0.200	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:53	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:53	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:53	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:53	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:53	KH
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0999	0.200	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:53	KH



Sample Information

Client Sample ID: SB21_6-7

York Sample ID: 21H0946-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21H0946

170362002

Soil

August 18, 2021 9:50 am

08/18/2021

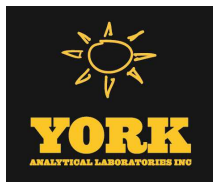
Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:53	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:53	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:53	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:53	KH
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:53	KH
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:53	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0999	0.200	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:53	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:53	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:53	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:53	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0999	0.200	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:53	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0999	0.200	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:53	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:53	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:53	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:53	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:53	KH
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0999	0.200	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:53	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0999	0.200	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:53	KH
83-32-9	Acenaphthene	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:53	KH
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:53	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:53	KH
62-53-3	Aniline	ND		mg/kg dry	0.200	0.400	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:53	KH



Sample Information

Client Sample ID: SB21_6-7

York Sample ID: 21H0946-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21H0946

170362002

Soil

August 18, 2021 9:50 am

08/18/2021

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-12-7	Anthracene	0.137		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:53	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:53	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:53	KH
92-87-5	Benzidine	ND		mg/kg dry	0.200	0.400	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	08/24/2021 08:04	08/24/2021 16:53	KH
56-55-3	Benzo(a)anthracene	0.402		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:53	KH
50-32-8	Benzo(a)pyrene	0.374		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:53	KH
205-99-2	Benzo(b)fluoranthene	0.295		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:53	KH
191-24-2	Benzo(g,h,i)perylene	0.250		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:53	KH
207-08-9	Benzo(k)fluoranthene	0.280		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:53	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:53	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:53	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:53	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:53	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:53	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:53	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:53	KH
105-60-2	Caprolactam	ND		mg/kg dry	0.0999	0.200	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:53	KH
86-74-8	Carbazole	0.0583	J	mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:53	KH
218-01-9	Chrysene	0.370		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:53	KH
53-70-3	Dibenzo(a,h)anthracene	0.0583	J	mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:53	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:53	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:53	KH



Sample Information

Client Sample ID: SB21_6-7

York Sample ID: 21H0946-02

York Project (SDG) No.
21H0946

Client Project ID
170362002

Matrix
Soil

Collection Date/Time
August 18, 2021 9:50 am

Date Received
08/18/2021

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:53	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:53	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:53	KH
122-39-4	* Diphenylamine	ND		mg/kg dry	0.0999	0.200	2	EPA 8270D Certifications:	08/24/2021 08:04	08/24/2021 16:53	KH
206-44-0	Fluoranthene	0.923		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:53	KH
86-73-7	Fluorene	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:53	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:53	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:53	KH
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:53	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:53	KH
193-39-5	Indeno(1,2,3-cd)pyrene	0.316		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:53	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:53	KH
91-20-3	Naphthalene	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:53	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:53	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:53	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:53	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:53	KH
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:53	KH
85-01-8	Phenanthrene	0.661		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:53	KH
108-95-2	Phenol	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:53	KH
129-00-0	Pyrene	0.786		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:53	KH
Surrogate Recoveries		Result	Acceptance Range								



Sample Information

Client Sample ID: SB21_6-7

York Sample ID: 21H0946-02

York Project (SDG) No.
21H0946

Client Project ID
170362002

Matrix
Soil

Collection Date/Time
August 18, 2021 9:50 am

Date Received
08/18/2021

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
367-12-4	Surrogate: SURR: 2-Fluorophenol	23.5 %			20-108						
4165-62-2	Surrogate: SURR: Phenol-d5	34.5 %			23-114						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	53.9 %			22-108						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	56.6 %			21-113						
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	19.4 %			19-110						
1718-51-0	Surrogate: SURR: Terphenyl-d14	68.7 %			24-116						

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0199	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/25/2021 07:55	08/25/2021 13:51	BJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0199	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/25/2021 07:55	08/25/2021 13:51	BJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0199	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/25/2021 07:55	08/25/2021 13:51	BJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0199	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/25/2021 07:55	08/25/2021 13:51	BJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0199	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/25/2021 07:55	08/25/2021 13:51	BJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0199	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/25/2021 07:55	08/25/2021 13:51	BJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0199	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/25/2021 07:55	08/25/2021 13:51	BJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0199	1	EPA 8082A Certifications:	08/25/2021 07:55	08/25/2021 13:51	BJ
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	88.0 %			30-140					
2051-24-3	Surrogate: Decachlorobiphenyl	54.5 %			30-140					

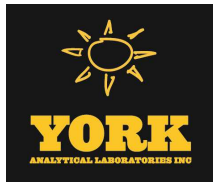
Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	11700		mg/kg dry	6.05	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:26	EM
7440-36-0	Antimony	ND		mg/kg dry	3.02	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:26	EM
7440-38-2	Arsenic	8.71		mg/kg dry	1.81	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:26	EM



Sample Information

Client Sample ID: SB21_6-7

York Sample ID: 21H0946-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21H0946

170362002

Soil

August 18, 2021 9:50 am

08/18/2021

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-39-3	Barium	316		mg/kg dry	3.02	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:26	EM
7440-41-7	Beryllium	ND		mg/kg dry	0.060	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:26	EM
7440-43-9	Cadmium	ND		mg/kg dry	0.363	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:26	EM
7440-70-2	Calcium	30000	B	mg/kg dry	6.05	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:26	EM
7440-47-3	Chromium	21.1		mg/kg dry	0.605	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:26	EM
7440-48-4	Cobalt	11.7		mg/kg dry	0.484	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:26	EM
7440-50-8	Copper	75.1		mg/kg dry	2.42	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:26	EM
7439-89-6	Iron	12600		mg/kg dry	30.2	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:26	EM
7439-92-1	Lead	682		mg/kg dry	0.605	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:26	EM
7439-95-4	Magnesium	2890		mg/kg dry	6.05	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:26	EM
7439-96-5	Manganese	252		mg/kg dry	0.605	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:26	EM
7440-02-0	Nickel	24.6		mg/kg dry	1.21	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:26	EM
7440-09-7	Potassium	2390		mg/kg dry	6.05	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:26	EM
7782-49-2	Selenium	ND		mg/kg dry	3.02	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:26	EM
7440-22-4	Silver	ND		mg/kg dry	0.605	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:26	EM
7440-23-5	Sodium	1590		mg/kg dry	60.5	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:26	EM
7440-28-0	Thallium	ND		mg/kg dry	3.02	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:26	EM
7440-62-2	Vanadium	37.2		mg/kg dry	1.21	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:26	EM
7440-66-6	Zinc	214		mg/kg dry	3.02	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:26	EM

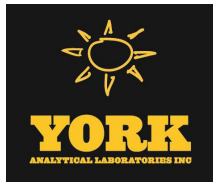
Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120 RESEARCH DRIVE		STRATFORD, CT 06615					132-02 89th AVENUE		RICHMOND HILL, NY 11418	
www.YORKLAB.com		(203) 325-1371					FAX (203) 357-0166		ClientServices@yorklab.com	



Sample Information

Client Sample ID: SB21_6-7

York Sample ID: 21H0946-02

York Project (SDG) No.

21H0946

Client Project ID

170362002

Matrix

Soil

Collection Date/Time

August 18, 2021 9:50 am

Date Received

08/18/2021

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	3.80		mg/kg dry	0.0363	1	EPA 7473	08/25/2021 08:22	08/25/2021 14:14	MAO
Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP										

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	82.6		%	0.100	1	SM 2540G	08/24/2021 18:38	08/25/2021 13:37	VR
Certifications: CTDOH										



Sample Information

Client Sample ID: SB22_9-10

York Sample ID: 21H0946-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21H0946

170362002

Soil

August 18, 2021 11:00 am

08/18/2021

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:09	KHA
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:09	KHA
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:09	KHA
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/20/2021 06:00	08/20/2021 20:09	KHA
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:09	KHA
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:09	KHA
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:09	KHA
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:09	KHA
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	08/20/2021 06:00	08/20/2021 20:09	KHA
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:09	KHA
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:09	KHA
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:09	KHA
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:09	KHA
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:09	KHA
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:09	KHA
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:09	KHA
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:09	KHA
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:09	KHA
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:09	KHA
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.075	0.15	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:09	KHA
78-93-3	2-Butanone	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:09	KHA



Sample Information

Client Sample ID: SB22_9-10

York Sample ID: 21H0946-03

York Project (SDG) No.
21H0946

Client Project ID
170362002

Matrix
Soil

Collection Date/Time
August 18, 2021 11:00 am

Date Received
08/18/2021

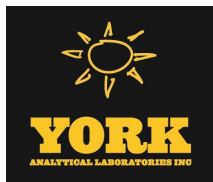
Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:09	KHA
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:09	KHA
67-64-1	Acetone	ND		mg/kg dry	0.0075	0.015	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:09	KHA
107-02-8	Acrolein	ND		mg/kg dry	0.0075	0.015	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:09	KHA
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:09	KHA
71-43-2	Benzene	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:09	KHA
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:09	KHA
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:09	KHA
75-25-2	Bromoform	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:09	KHA
74-83-9	Bromomethane	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:09	KHA
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:09	KHA
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:09	KHA
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:09	KHA
75-00-3	Chloroethane	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:09	KHA
67-66-3	Chloroform	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:09	KHA
74-87-3	Chloromethane	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:09	KHA
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:09	KHA
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:09	KHA
110-82-7	Cyclohexane	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:09	KHA
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:09	KHA
74-95-3	Dibromomethane	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:09	KHA
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:09	KHA



Sample Information

Client Sample ID: SB22_9-10

York Sample ID: 21H0946-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21H0946

170362002

Soil

August 18, 2021 11:00 am

08/18/2021

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:09	KHA
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:09	KHA
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:09	KHA
79-20-9	Methyl acetate	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:09	KHA
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:09	KHA
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:09	KHA
75-09-2	Methylene chloride	0.014	J	mg/kg dry	0.0075	0.015	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:09	KHA
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:09	KHA
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:09	KHA
95-47-6	o-Xylene	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:09	KHA
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0075	0.015	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:09	KHA
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:09	KHA
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:09	KHA
100-42-5	Styrene	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:09	KHA
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:09	KHA
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:09	KHA
127-18-4	Tetrachloroethylene	0.12	CCV-E	mg/kg dry	0.0038	0.0075	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:09	KHA
108-88-3	Toluene	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:09	KHA
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:09	KHA
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:09	KHA
110-57-6	* trans-1,4-dichloro-2-butene	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260C Certifications: CTDOH	08/20/2021 06:00	08/20/2021 20:09	KHA
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:09	KHA



Sample Information

Client Sample ID: SB22_9-10

York Sample ID: 21H0946-03

York Project (SDG) No.
21H0946

Client Project ID
170362002

Matrix
Soil

Collection Date/Time
August 18, 2021 11:00 am

Date Received
08/18/2021

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:09	KHA
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:09	KHA
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.011	0.023	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/20/2021 06:00	08/20/2021 20:09	KHA
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	108 %			77-125						
2037-26-5	Surrogate: SURR: Toluene-d8	101 %			85-120						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	103 %			76-130						

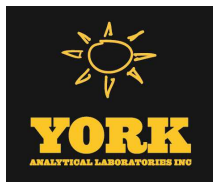
Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:24	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0939	0.188	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:24	KH
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:24	KH
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/24/2021 08:04	08/24/2021 17:24	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:24	KH
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/24/2021 08:04	08/24/2021 17:24	KH
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/24/2021 08:04	08/24/2021 17:24	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0939	0.188	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:24	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:24	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:24	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:24	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:24	KH
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0939	0.188	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:24	KH



Sample Information

Client Sample ID: SB22_9-10

York Sample ID: 21H0946-03

York Project (SDG) No.

Client Project ID

Matrix

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21H0946

170362002

Soil

August 18, 2021 11:00 am

08/18/2021

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:24	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:24	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:24	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:24	KH
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:24	KH
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:24	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0939	0.188	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:24	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:24	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:24	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:24	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0939	0.188	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:24	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0939	0.188	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:24	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:24	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:24	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:24	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:24	KH
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0939	0.188	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:24	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0939	0.188	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:24	KH
83-32-9	Acenaphthene	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:24	KH
208-96-8	Acenaphthylene	0.173		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:24	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:24	KH
62-53-3	Aniline	ND		mg/kg dry	0.188	0.376	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:24	KH



Sample Information

Client Sample ID: SB22_9-10

York Sample ID: 21H0946-03

York Project (SDG) No.
21H0946

Client Project ID
170362002

Matrix
Soil

Collection Date/Time
August 18, 2021 11:00 am

Date Received
08/18/2021

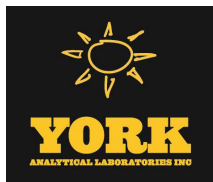
Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-12-7	Anthracene	0.344		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:24	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:24	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:24	KH
92-87-5	Benzidine	ND		mg/kg dry	0.188	0.376	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	08/24/2021 08:04	08/24/2021 17:24	KH
56-55-3	Benzo(a)anthracene	0.678		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:24	KH
50-32-8	Benzo(a)pyrene	0.705		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:24	KH
205-99-2	Benzo(b)fluoranthene	0.453		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:24	KH
191-24-2	Benzo(g,h,i)perylene	0.368		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:24	KH
207-08-9	Benzo(k)fluoranthene	0.513		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:24	KH
65-85-0	Benzoic acid	0.123		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:24	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:24	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:24	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:24	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:24	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:24	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:24	KH
105-60-2	Caprolactam	ND		mg/kg dry	0.0939	0.188	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:24	KH
86-74-8	Carbazole	0.101		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:24	KH
218-01-9	Chrysene	0.555		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:24	KH
53-70-3	Dibenzo(a,h)anthracene	0.170		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:24	KH
132-64-9	Dibenzofuran	0.0871	J	mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:24	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:24	KH



Sample Information

Client Sample ID: SB22_9-10

York Sample ID: 21H0946-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21H0946

170362002

Soil

August 18, 2021 11:00 am

08/18/2021

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:24	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:24	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:24	KH
122-39-4	* Diphenylamine	ND		mg/kg dry	0.0939	0.188	2	EPA 8270D Certifications:	08/24/2021 08:04	08/24/2021 17:24	KH
206-44-0	Fluoranthene	1.52		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:24	KH
86-73-7	Fluorene	0.0908	J	mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:24	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:24	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:24	KH
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:24	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:24	KH
193-39-5	Indeno(1,2,3-cd)pyrene	0.444		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:24	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:24	KH
91-20-3	Naphthalene	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:24	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:24	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:24	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:24	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:24	KH
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:24	KH
85-01-8	Phenanthrene	1.29		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:24	KH
108-95-2	Phenol	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:24	KH
129-00-0	Pyrene	0.985		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:24	KH
Surrogate Recoveries		Result	Acceptance Range								



Sample Information

Client Sample ID: SB22_9-10

York Sample ID: 21H0946-03

York Project (SDG) No.
21H0946

Client Project ID
170362002

Matrix
Soil

Collection Date/Time
August 18, 2021 11:00 am

Date Received
08/18/2021

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
367-12-4	Surrogate: SURR: 2-Fluorophenol	41.0 %			20-108						
4165-62-2	Surrogate: SURR: Phenol-d5	38.4 %			23-114						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	46.5 %			22-108						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	49.4 %			21-113						
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	58.1 %			19-110						
1718-51-0	Surrogate: SURR: Terphenyl-d14	49.0 %			24-116						

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0186	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/25/2021 07:55	08/25/2021 14:04	BJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0186	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/25/2021 07:55	08/25/2021 14:04	BJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0186	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/25/2021 07:55	08/25/2021 14:04	BJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0186	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/25/2021 07:55	08/25/2021 14:04	BJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0186	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/25/2021 07:55	08/25/2021 14:04	BJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0186	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/25/2021 07:55	08/25/2021 14:04	BJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0186	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/25/2021 07:55	08/25/2021 14:04	BJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0186	1	EPA 8082A Certifications:	08/25/2021 07:55	08/25/2021 14:04	BJ
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	75.5 %			30-140					
2051-24-3	Surrogate: Decachlorobiphenyl	52.0 %			30-140					

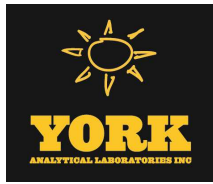
Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	7530		mg/kg dry	5.70	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:29	EM
7440-36-0	Antimony	ND		mg/kg dry	2.85	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:29	EM
7440-38-2	Arsenic	2.18		mg/kg dry	1.71	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:29	EM



Sample Information

Client Sample ID: SB22_9-10

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Matrix

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170362002

Soil

August 18, 2021 11:00 am

08/18/2021

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-39-3	Barium	70.2		mg/kg dry	2.85	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:29	EM
7440-41-7	Beryllium	ND		mg/kg dry	0.057	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:29	EM
7440-43-9	Cadmium	0.352		mg/kg dry	0.342	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:29	EM
7440-70-2	Calcium	9140	B	mg/kg dry	5.70	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:29	EM
7440-47-3	Chromium	14.2		mg/kg dry	0.570	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:29	EM
7440-48-4	Cobalt	8.09		mg/kg dry	0.456	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:29	EM
7440-50-8	Copper	44.8		mg/kg dry	2.28	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:29	EM
7439-89-6	Iron	16100		mg/kg dry	28.5	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:29	EM
7439-92-1	Lead	293		mg/kg dry	0.570	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:29	EM
7439-95-4	Magnesium	2580		mg/kg dry	5.70	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:29	EM
7439-96-5	Manganese	226		mg/kg dry	0.570	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:29	EM
7440-02-0	Nickel	23.7		mg/kg dry	1.14	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:29	EM
7440-09-7	Potassium	1350		mg/kg dry	5.70	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:29	EM
7782-49-2	Selenium	ND		mg/kg dry	2.85	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:29	EM
7440-22-4	Silver	ND		mg/kg dry	0.570	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:29	EM
7440-23-5	Sodium	215		mg/kg dry	57.0	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:29	EM
7440-28-0	Thallium	ND		mg/kg dry	2.85	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:29	EM
7440-62-2	Vanadium	19.2		mg/kg dry	1.14	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:29	EM
7440-66-6	Zinc	291		mg/kg dry	2.85	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:29	EM

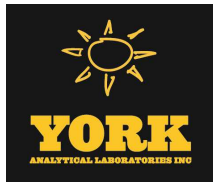
Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120 RESEARCH DRIVE		STRATFORD, CT 06615					132-02 89th AVENUE		RICHMOND HILL, NY 11418	
www.YORKLAB.com		(203) 325-1371					FAX (203) 357-0166		ClientServices@yorklab.com	



Sample Information

Client Sample ID: SB22_9-10

York Sample ID: 21H0946-03

York Project (SDG) No.

21H0946

Client Project ID

170362002

Matrix

Soil

Collection Date/Time

August 18, 2021 11:00 am

Date Received

08/18/2021

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	1.12		mg/kg dry	0.0342	1	EPA 7473	08/25/2021 08:22	08/25/2021 14:26	MAO
Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP										

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	87.7		%	0.100	1	SM 2540G	08/24/2021 18:38	08/25/2021 13:37	VR
Certifications: CTDOH										



Sample Information

Client Sample ID: SB23_10-11

York Sample ID: 21H0946-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21H0946

170362002

Soil

August 18, 2021 12:00 pm

08/18/2021

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:35	KHA
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:35	KHA
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:35	KHA
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/20/2021 06:00	08/20/2021 20:35	KHA
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:35	KHA
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:35	KHA
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:35	KHA
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:35	KHA
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	08/20/2021 06:00	08/20/2021 20:35	KHA
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:35	KHA
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:35	KHA
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:35	KHA
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:35	KHA
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:35	KHA
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:35	KHA
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:35	KHA
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:35	KHA
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:35	KHA
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:35	KHA
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.071	0.14	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:35	KHA
78-93-3	2-Butanone	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:35	KHA



Sample Information

Client Sample ID: SB23_10-11

York Sample ID: 21H0946-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21H0946

170362002

Soil

August 18, 2021 12:00 pm

08/18/2021

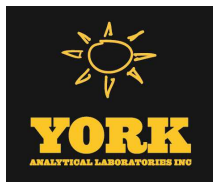
Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:35	KHA
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:35	KHA
67-64-1	Acetone	ND		mg/kg dry	0.0071	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:35	KHA
107-02-8	Acrolein	ND		mg/kg dry	0.0071	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:35	KHA
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:35	KHA
71-43-2	Benzene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:35	KHA
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:35	KHA
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:35	KHA
75-25-2	Bromoform	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:35	KHA
74-83-9	Bromomethane	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:35	KHA
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:35	KHA
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:35	KHA
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:35	KHA
75-00-3	Chloroethane	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:35	KHA
67-66-3	Chloroform	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:35	KHA
74-87-3	Chloromethane	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:35	KHA
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:35	KHA
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:35	KHA
110-82-7	Cyclohexane	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:35	KHA
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:35	KHA
74-95-3	Dibromomethane	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:35	KHA
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:35	KHA



Sample Information

Client Sample ID: SB23_10-11

York Sample ID: 21H0946-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21H0946

170362002

Soil

August 18, 2021 12:00 pm

08/18/2021

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:35	KHA
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:35	KHA
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:35	KHA
79-20-9	Methyl acetate	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:35	KHA
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:35	KHA
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:35	KHA
75-09-2	Methylene chloride	ND		mg/kg dry	0.0071	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:35	KHA
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:35	KHA
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:35	KHA
95-47-6	o-Xylene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:35	KHA
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0071	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:35	KHA
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:35	KHA
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:35	KHA
100-42-5	Styrene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:35	KHA
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:35	KHA
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:35	KHA
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:35	KHA
108-88-3	Toluene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:35	KHA
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:35	KHA
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:35	KHA
110-57-6	* trans-1,4-dichloro-2-butene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH	08/20/2021 06:00	08/20/2021 20:35	KHA
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:35	KHA



Sample Information

Client Sample ID: SB23_10-11

York Sample ID: 21H0946-04

York Project (SDG) No.

Client Project ID

Matrix

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21H0946

170362002

Soil

August 18, 2021 12:00 pm

08/18/2021

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:35	KHA
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:35	KHA
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.011	0.021	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/20/2021 06:00	08/20/2021 20:35	KHA
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	110 %			77-125						
2037-26-5	Surrogate: SURR: Toluene-d8	101 %			85-120						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	102 %			76-130						

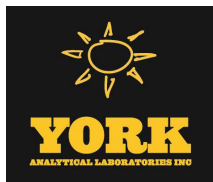
Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:55	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.107	0.214	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:55	KH
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:55	KH
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/24/2021 08:04	08/24/2021 17:55	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:55	KH
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/24/2021 08:04	08/24/2021 17:55	KH
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/24/2021 08:04	08/24/2021 17:55	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.107	0.214	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:55	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:55	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:55	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:55	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:55	KH
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.107	0.214	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:55	KH



Sample Information

Client Sample ID: SB23_10-11

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Soil

August 18, 2021 12:00 pm

08/18/2021

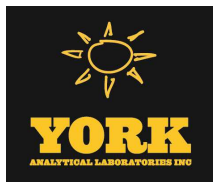
Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:55	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:55	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:55	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:55	KH
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:55	KH
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:55	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.107	0.214	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:55	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:55	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:55	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:55	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.107	0.214	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:55	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.107	0.214	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:55	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:55	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:55	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:55	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:55	KH
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.107	0.214	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:55	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.107	0.214	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:55	KH
83-32-9	Acenaphthene	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:55	KH
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:55	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:55	KH
62-53-3	Aniline	ND		mg/kg dry	0.214	0.429	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:55	KH



Sample Information

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Soil

August 18, 2021 12:00 pm

08/18/2021

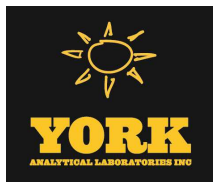
Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-12-7	Anthracene	0.0855	J	mg/kg dry	0.0536	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:55	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:55	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:55	KH
92-87-5	Benzidine	ND		mg/kg dry	0.214	0.429	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	08/24/2021 08:04	08/24/2021 17:55	KH
56-55-3	Benzo(a)anthracene	0.235		mg/kg dry	0.0536	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:55	KH
50-32-8	Benzo(a)pyrene	0.255		mg/kg dry	0.0536	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:55	KH
205-99-2	Benzo(b)fluoranthene	0.198		mg/kg dry	0.0536	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:55	KH
191-24-2	Benzo(g,h,i)perylene	0.150		mg/kg dry	0.0536	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:55	KH
207-08-9	Benzo(k)fluoranthene	0.174		mg/kg dry	0.0536	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:55	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:55	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:55	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:55	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:55	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:55	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:55	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:55	KH
105-60-2	Caprolactam	ND		mg/kg dry	0.107	0.214	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:55	KH
86-74-8	Carbazole	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:55	KH
218-01-9	Chrysene	0.208		mg/kg dry	0.0536	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:55	KH
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:55	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:55	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:55	KH



Sample Information

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Soil

August 18, 2021 12:00 pm

08/18/2021

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:55	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:55	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:55	KH
122-39-4	* Diphenylamine	ND		mg/kg dry	0.107	0.214	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:55	KH
206-44-0	Fluoranthene	0.501		mg/kg dry	0.0536	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:55	KH
86-73-7	Fluorene	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:55	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:55	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:55	KH
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:55	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:55	KH
193-39-5	Indeno(1,2,3-cd)pyrene	0.199		mg/kg dry	0.0536	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:55	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:55	KH
91-20-3	Naphthalene	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:55	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:55	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:55	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:55	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:55	KH
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:55	KH
85-01-8	Phenanthrene	0.375		mg/kg dry	0.0536	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:55	KH
108-95-2	Phenol	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:55	KH
129-00-0	Pyrene	0.412		mg/kg dry	0.0536	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:55	KH
Surrogate Recoveries		Result	Acceptance Range								



Sample Information

Client Sample ID: SB23_10-11

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York Project (SDG) No.
21H0946

Client Project ID
170362002

Matrix
Soil

Collection Date/Time
August 18, 2021 12:00 pm

Date Received
08/18/2021

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
367-12-4	Surrogate: SURR: 2-Fluorophenol	38.0 %			20-108						
4165-62-2	Surrogate: SURR: Phenol-d5	33.2 %			23-114						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	44.8 %			22-108						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	55.7 %			21-113						
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	59.9 %			19-110						
1718-51-0	Surrogate: SURR: Terphenyl-d14	68.2 %			24-116						

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0209	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/25/2021 07:55	08/25/2021 14:18	BJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0209	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/25/2021 07:55	08/25/2021 14:18	BJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0209	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/25/2021 07:55	08/25/2021 14:18	BJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0209	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/25/2021 07:55	08/25/2021 14:18	BJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0209	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/25/2021 07:55	08/25/2021 14:18	BJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0209	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/25/2021 07:55	08/25/2021 14:18	BJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0209	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/25/2021 07:55	08/25/2021 14:18	BJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0209	1	EPA 8082A Certifications:	08/25/2021 07:55	08/25/2021 14:18	BJ
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	84.5 %			30-140					
2051-24-3	Surrogate: Decachlorobiphenyl	49.5 %			30-140					

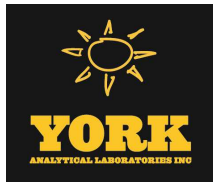
Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	9100		mg/kg dry	6.46	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:31	EM
7440-36-0	Antimony	ND		mg/kg dry	3.23	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:31	EM
7440-38-2	Arsenic	8.56		mg/kg dry	1.94	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:31	EM



Sample Information

Client Sample ID: SB23_10-11

York Sample ID: 21H0946-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

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21H0946

170362002

Soil

August 18, 2021 12:00 pm

08/18/2021

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-39-3	Barium	182		mg/kg dry	3.23	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:31	EM
7440-41-7	Beryllium	1.45		mg/kg dry	0.065	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:31	EM
7440-43-9	Cadmium	1.56		mg/kg dry	0.387	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:31	EM
7440-70-2	Calcium	9370	B	mg/kg dry	6.46	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:31	EM
7440-47-3	Chromium	14.2		mg/kg dry	0.646	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:31	EM
7440-48-4	Cobalt	13.0		mg/kg dry	0.517	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:31	EM
7440-50-8	Copper	252		mg/kg dry	2.58	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:31	EM
7439-89-6	Iron	19800		mg/kg dry	32.3	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:31	EM
7439-92-1	Lead	652		mg/kg dry	0.646	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:31	EM
7439-95-4	Magnesium	1010		mg/kg dry	6.46	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:31	EM
7439-96-5	Manganese	301		mg/kg dry	0.646	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:31	EM
7440-02-0	Nickel	23.4		mg/kg dry	1.29	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:31	EM
7440-09-7	Potassium	1390		mg/kg dry	6.46	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:31	EM
7782-49-2	Selenium	ND		mg/kg dry	3.23	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:31	EM
7440-22-4	Silver	ND		mg/kg dry	0.646	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:31	EM
7440-23-5	Sodium	960		mg/kg dry	64.6	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:31	EM
7440-28-0	Thallium	ND		mg/kg dry	3.23	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:31	EM
7440-62-2	Vanadium	33.5		mg/kg dry	1.29	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:31	EM
7440-66-6	Zinc	771		mg/kg dry	3.23	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:31	EM

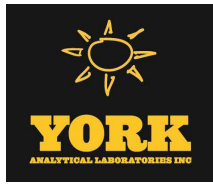
Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120 RESEARCH DRIVE		STRATFORD, CT 06615					132-02 89th AVENUE		RICHMOND HILL, NY 11418	
www.YORKLAB.com		(203) 325-1371					FAX (203) 357-0166		ClientServices@yorklab.com	



Sample Information

Client Sample ID: SB23_10-11

York Sample ID: 21H0946-04

York Project (SDG) No.

Client Project ID

Matrix

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21H0946

170362002

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August 18, 2021 12:00 pm

08/18/2021

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.953		mg/kg dry	0.0387	1	EPA 7473	08/25/2021 08:22	08/25/2021 14:39	MAO
Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP										

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	77.4		%	0.100	1	SM 2540G	08/24/2021 18:38	08/25/2021 13:37	VR
Certifications: CTDOH										



Sample Information

Client Sample ID: SB24_1-2

York Sample ID: 21H0946-05

York Project (SDG) No.

Client Project ID

Matrix

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21H0946

170362002

Soil

August 18, 2021 2:30 pm

08/18/2021

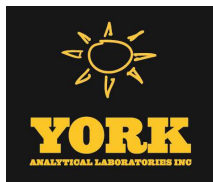
Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 21:01	KHA
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 21:01	KHA
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 21:01	KHA
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/20/2021 06:00	08/20/2021 21:01	KHA
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 21:01	KHA
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 21:01	KHA
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 21:01	KHA
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 21:01	KHA
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	08/20/2021 06:00	08/20/2021 21:01	KHA
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 21:01	KHA
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 21:01	KHA
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 21:01	KHA
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 21:01	KHA
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 21:01	KHA
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 21:01	KHA
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 21:01	KHA
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 21:01	KHA
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 21:01	KHA
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 21:01	KHA
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.060	0.12	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 21:01	KHA
78-93-3	2-Butanone	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 21:01	KHA



Sample Information

Client Sample ID: SB24_1-2

York Sample ID: 21H0946-05

York Project (SDG) No.

Client Project ID

Matrix

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21H0946

170362002

Soil

August 18, 2021 2:30 pm

08/18/2021

Volatile Organics, 8260 - Comprehensive

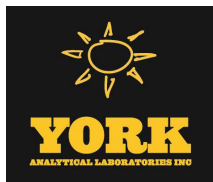
Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 21:01	KHA
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 21:01	KHA
67-64-1	Acetone	ND		mg/kg dry	0.0060	0.012	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 21:01	KHA
107-02-8	Acrolein	ND		mg/kg dry	0.0060	0.012	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 21:01	KHA
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 21:01	KHA
71-43-2	Benzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 21:01	KHA
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 21:01	KHA
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 21:01	KHA
75-25-2	Bromoform	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 21:01	KHA
74-83-9	Bromomethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 21:01	KHA
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 21:01	KHA
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 21:01	KHA
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 21:01	KHA
75-00-3	Chloroethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 21:01	KHA
67-66-3	Chloroform	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 21:01	KHA
74-87-3	Chloromethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 21:01	KHA
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 21:01	KHA
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 21:01	KHA
110-82-7	Cyclohexane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 21:01	KHA
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 21:01	KHA
74-95-3	Dibromomethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 21:01	KHA
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 21:01	KHA





Sample Information

Client Sample ID: SB24_1-2

York Sample ID: 21H0946-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21H0946

170362002

Soil

August 18, 2021 2:30 pm

08/18/2021

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 21:01	KHA
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 21:01	KHA
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 21:01	KHA
79-20-9	Methyl acetate	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 21:01	KHA
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 21:01	KHA
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 21:01	KHA
75-09-2	Methylene chloride	ND		mg/kg dry	0.0060	0.012	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 21:01	KHA
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 21:01	KHA
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 21:01	KHA
95-47-6	o-Xylene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 21:01	KHA
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0060	0.012	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 21:01	KHA
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 21:01	KHA
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 21:01	KHA
100-42-5	Styrene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 21:01	KHA
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 21:01	KHA
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 21:01	KHA
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 21:01	KHA
108-88-3	Toluene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 21:01	KHA
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 21:01	KHA
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 21:01	KHA
110-57-6	* trans-1,4-dichloro-2-butene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH	08/20/2021 06:00	08/20/2021 21:01	KHA
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 21:01	KHA



Sample Information

Client Sample ID: SB24_1-2

York Sample ID: 21H0946-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21H0946

170362002

Soil

August 18, 2021 2:30 pm

08/18/2021

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 21:01	KHA
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 21:01	KHA
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0090	0.018	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/20/2021 06:00	08/20/2021 21:01	KHA
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	109 %			77-125						
2037-26-5	Surrogate: SURR: Toluene-d8	104 %			85-120						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	103 %			76-130						

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 18:27	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0948	0.189	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 18:27	KH
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 18:27	KH
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/24/2021 08:04	08/24/2021 18:27	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 18:27	KH
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/24/2021 08:04	08/24/2021 18:27	KH
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/24/2021 08:04	08/24/2021 18:27	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0948	0.189	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 18:27	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 18:27	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 18:27	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 18:27	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 18:27	KH
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0948	0.189	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 18:27	KH



Sample Information

Client Sample ID: SB24_1-2

York Sample ID: 21H0946-05

York Project (SDG) No.
21H0946

Client Project ID
170362002

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August 18, 2021 2:30 pm

Date Received
08/18/2021

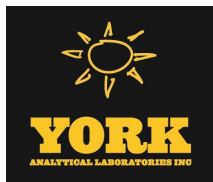
Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 18:27	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 18:27	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 18:27	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 18:27	KH
91-57-6	2-Methylnaphthalene	0.317		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 18:27	KH
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 18:27	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0948	0.189	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 18:27	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 18:27	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 18:27	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 18:27	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0948	0.189	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 18:27	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0948	0.189	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 18:27	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 18:27	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 18:27	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 18:27	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 18:27	KH
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0948	0.189	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 18:27	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0948	0.189	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 18:27	KH
83-32-9	Acenaphthene	0.326		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 18:27	KH
208-96-8	Acenaphthylene	0.145		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 18:27	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 18:27	KH
62-53-3	Aniline	ND		mg/kg dry	0.190	0.380	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 18:27	KH



Sample Information

Client Sample ID: SB24_1-2

York Sample ID: 21H0946-05

York Project (SDG) No.

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21H0946

170362002

Soil

August 18, 2021 2:30 pm

08/18/2021

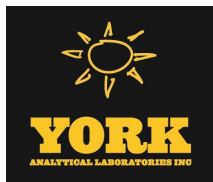
Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-12-7	Anthracene	0.796		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 18:27	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 18:27	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 18:27	KH
92-87-5	Benzidine	ND		mg/kg dry	0.190	0.380	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	08/24/2021 08:04	08/24/2021 18:27	KH
56-55-3	Benzo(a)anthracene	2.06		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 18:27	KH
50-32-8	Benzo(a)pyrene	1.83		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 18:27	KH
205-99-2	Benzo(b)fluoranthene	1.92		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 18:27	KH
191-24-2	Benzo(g,h,i)perylene	1.36		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 18:27	KH
207-08-9	Benzo(k)fluoranthene	1.51		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 18:27	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 18:27	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 18:27	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 18:27	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 18:27	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 18:27	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 18:27	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 18:27	KH
105-60-2	Caprolactam	ND		mg/kg dry	0.0948	0.189	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 18:27	KH
86-74-8	Carbazole	0.311		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 18:27	KH
218-01-9	Chrysene	2.15		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 18:27	KH
53-70-3	Dibenzo(a,h)anthracene	0.508		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 18:27	KH
132-64-9	Dibenzofuran	0.200		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 18:27	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 18:27	KH



Sample Information

Client Sample ID: SB24_1-2

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21H0946

170362002

Soil

August 18, 2021 2:30 pm

08/18/2021

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 18:27	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 18:27	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 18:27	KH
122-39-4	* Diphenylamine	ND		mg/kg dry	0.0948	0.189	2	EPA 8270D Certifications:	08/24/2021 08:04	08/24/2021 18:27	KH
206-44-0	Fluoranthene	4.09		mg/kg dry	0.119	0.237	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/25/2021 09:43	KH
86-73-7	Fluorene	0.319		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 18:27	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 18:27	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 18:27	KH
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 18:27	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 18:27	KH
193-39-5	Indeno(1,2,3-cd)pyrene	1.78		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 18:27	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 18:27	KH
91-20-3	Naphthalene	0.680		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 18:27	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 18:27	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 18:27	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 18:27	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 18:27	KH
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 18:27	KH
85-01-8	Phenanthrene	3.85		mg/kg dry	0.119	0.237	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/25/2021 09:43	KH
108-95-2	Phenol	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 18:27	KH
129-00-0	Pyrene	3.83		mg/kg dry	0.119	0.237	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/25/2021 09:43	KH
Surrogate Recoveries		Result	Acceptance Range								



Sample Information

Client Sample ID: SB24_1-2

York Sample ID: 21H0946-05

York Project (SDG) No.
21H0946

Client Project ID
170362002

Matrix
Soil

Collection Date/Time
August 18, 2021 2:30 pm

Date Received
08/18/2021

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
367-12-4	Surrogate: SURR: 2-Fluorophenol	59.3 %			20-108						
4165-62-2	Surrogate: SURR: Phenol-d5	56.7 %			23-114						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	60.4 %			22-108						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	67.8 %			21-113						
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	89.7 %			19-110						
1718-51-0	Surrogate: SURR: Terphenyl-d14	77.3 %			24-116						

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 PPCB

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/23/2021 13:40	08/24/2021 17:59	BJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/23/2021 13:40	08/24/2021 17:59	BJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/23/2021 13:40	08/24/2021 17:59	BJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/23/2021 13:40	08/24/2021 17:59	BJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/23/2021 13:40	08/24/2021 17:59	BJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/23/2021 13:40	08/24/2021 17:59	BJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/23/2021 13:40	08/24/2021 17:59	BJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications:	08/23/2021 13:40	08/24/2021 17:59	BJ
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	72.5 %		30-140						
2051-24-3	Surrogate: Decachlorobiphenyl	44.0 %		30-140						

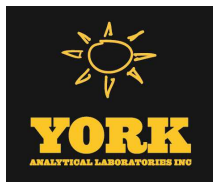
Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	1480		mg/kg dry	5.76	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:34	EM
7440-36-0	Antimony	ND		mg/kg dry	2.88	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:34	EM
7440-38-2	Arsenic	7.41		mg/kg dry	1.73	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:34	EM



Sample Information

Client Sample ID: SB24_1-2

York Sample ID: 21H0946-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21H0946

170362002

Soil

August 18, 2021 2:30 pm

08/18/2021

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-39-3	Barium	189		mg/kg dry	2.88	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:34	EM
7440-41-7	Beryllium	ND		mg/kg dry	0.058	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:34	EM
7440-43-9	Cadmium	ND		mg/kg dry	0.346	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:34	EM
7440-70-2	Calcium	1030	B	mg/kg dry	5.76	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:34	EM
7440-47-3	Chromium	9.05		mg/kg dry	0.576	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:34	EM
7440-48-4	Cobalt	3.63		mg/kg dry	0.461	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:34	EM
7440-50-8	Copper	253		mg/kg dry	2.30	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:34	EM
7439-89-6	Iron	43700		mg/kg dry	28.8	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:34	EM
7439-92-1	Lead	400		mg/kg dry	0.576	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:34	EM
7439-95-4	Magnesium	203		mg/kg dry	5.76	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:34	EM
7439-96-5	Manganese	64.3		mg/kg dry	0.576	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:34	EM
7440-02-0	Nickel	11.8		mg/kg dry	1.15	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:34	EM
7440-09-7	Potassium	1240		mg/kg dry	5.76	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:34	EM
7782-49-2	Selenium	ND		mg/kg dry	2.88	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:34	EM
7440-22-4	Silver	ND		mg/kg dry	0.576	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:34	EM
7440-23-5	Sodium	762		mg/kg dry	57.6	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:34	EM
7440-28-0	Thallium	ND		mg/kg dry	2.88	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:34	EM
7440-62-2	Vanadium	21.2		mg/kg dry	1.15	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:34	EM
7440-66-6	Zinc	36.8		mg/kg dry	2.88	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:34	EM

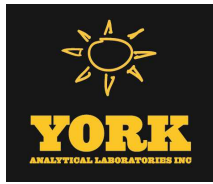
Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120 RESEARCH DRIVE		STRATFORD, CT 06615					132-02 89th AVENUE		RICHMOND HILL, NY 11418	
www.YORKLAB.com		(203) 325-1371					FAX (203) 357-0166		ClientServices@yorklab.com	



Sample Information

Client Sample ID: SB24_1-2

York Sample ID: 21H0946-05

York Project (SDG) No.

21H0946

Client Project ID

170362002

Matrix

Soil

Collection Date/Time

August 18, 2021 2:30 pm

Date Received

08/18/2021

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.654		mg/kg dry	0.0346	1	EPA 7473	08/25/2021 08:22	08/25/2021 14:51	MAO
Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP										

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	86.8		%	0.100	1	SM 2540G	08/24/2021 18:38	08/25/2021 13:37	VR
Certifications: CTDOH										



Sample Information

Client Sample ID: Trip Blank

York Sample ID: 21H0946-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21H0946

170362002

Water

August 18, 2021 3:00 pm

08/18/2021

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 14:35	KHA
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 14:35	KHA
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 14:35	KHA
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 14:35	KHA
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 14:35	KHA
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 14:35	KHA
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 14:35	KHA
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 14:35	KHA
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 14:35	KHA
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 14:35	KHA
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 14:35	KHA
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 14:35	KHA
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 14:35	KHA
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 14:35	KHA
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 14:35	KHA
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 14:35	KHA
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 14:35	KHA
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 14:35	KHA
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 14:35	KHA
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 14:35	KHA
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 14:35	KHA



Sample Information

Client Sample ID: Trip Blank

York Sample ID: 21H0946-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21H0946

170362002

Water

August 18, 2021 3:00 pm

08/18/2021

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 14:35	KHA
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 14:35	KHA
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 14:35	KHA
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 14:35	KHA
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 14:35	KHA
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 14:35	KHA
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 14:35	KHA
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 14:35	KHA
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 14:35	KHA
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 14:35	KHA
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 14:35	KHA
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 14:35	KHA
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 14:35	KHA
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 14:35	KHA
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 14:35	KHA
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 14:35	KHA
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 14:35	KHA
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 14:35	KHA
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 14:35	KHA
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 14:35	KHA
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 14:35	KHA
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 14:35	KHA



Sample Information

Client Sample ID: Trip Blank

York Sample ID: 21H0946-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21H0946

170362002

Water

August 18, 2021 3:00 pm

08/18/2021

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 14:35	KHA
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 14:35	KHA
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 14:35	KHA
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 14:35	KHA
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 14:35	KHA
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 14:35	KHA
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 14:35	KHA
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 14:35	KHA
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 14:35	KHA
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 14:35	KHA
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 14:35	KHA
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 14:35	KHA
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 14:35	KHA
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 14:35	KHA
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 14:35	KHA
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 14:35	KHA
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 14:35	KHA
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 14:35	KHA
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 14:35	KHA
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 14:35	KHA
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/19/2021 06:59	08/19/2021 14:35	KHA
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 14:35	KHA



Sample Information

Client Sample ID: Trip Blank

York Sample ID: 21H0946-06

York Project (SDG) No.
21H0946

Client Project ID
170362002

Matrix
Water

Collection Date/Time
August 18, 2021 3:00 pm

Date Received
08/18/2021

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 14:35	KHA
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 14:35	KHA
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/19/2021 06:59	08/19/2021 14:35	KHA
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	102 %	69-130								
2037-26-5	Surrogate: SURR: Toluene-d8	99.6 %	81-117								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	101 %	79-122								



Analytical Batch Summary

Batch ID: BH11165 **Preparation Method:** EPA 5035A **Prepared By:** TL

YORK Sample ID	Client Sample ID	Preparation Date
21H0946-01	SB20_1-2	08/20/21
21H0946-02	SB21_6-7	08/20/21
21H0946-03	SB22_9-10	08/20/21
21H0946-04	SB23_10-11	08/20/21
21H0946-05	SB24_1-2	08/20/21
BH11165-BLK1	Blank	08/20/21
BH11165-BLK3	Blank	08/20/21
BH11165-BS1	LCS	08/20/21
BH11165-BSD1	LCS Dup	08/20/21

Batch ID: BH11232 **Preparation Method:** EPA 3546 PPCB **Prepared By:** EMS

YORK Sample ID	Client Sample ID	Preparation Date
21H0946-05	SB24_1-2	08/23/21
BH11232-BLK1	Blank	08/23/21
BH11232-BS1	LCS	08/23/21
BH11232-MS1	Matrix Spike	08/23/21
BH11232-MSD1	Matrix Spike Dup	08/23/21

Batch ID: BH11297 **Preparation Method:** EPA 3546 SVOA **Prepared By:** RTH

YORK Sample ID	Client Sample ID	Preparation Date
21H0946-01	SB20_1-2	08/24/21
21H0946-02	SB21_6-7	08/24/21
21H0946-03	SB22_9-10	08/24/21
21H0946-04	SB23_10-11	08/24/21
21H0946-05	SB24_1-2	08/24/21
21H0946-05RE1	SB24_1-2	08/24/21
BH11297-BLK1	Blank	08/24/21
BH11297-BS1	LCS	08/24/21
BH11297-MS1	Matrix Spike	08/24/21
BH11297-MSD1	Matrix Spike Dup	08/24/21

Batch ID: BH11316 **Preparation Method:** EPA 3050B **Prepared By:** BR

YORK Sample ID	Client Sample ID	Preparation Date
21H0946-01	SB20_1-2	08/24/21
21H0946-02	SB21_6-7	08/24/21
21H0946-03	SB22_9-10	08/24/21
21H0946-04	SB23_10-11	08/24/21
21H0946-05	SB24_1-2	08/24/21
BH11316-BLK1	Blank	08/24/21
BH11316-DUP1	Duplicate	08/24/21
BH11316-MS1	Matrix Spike	08/24/21



BH11316-PS1	Post Spike	08/24/21
BH11316-SRM1	Reference	08/24/21

Batch ID: BH11359 **Preparation Method:** % Solids Prep **Prepared By:** VR

YORK Sample ID	Client Sample ID	Preparation Date
21H0946-01	SB20_1-2	08/24/21
21H0946-02	SB21_6-7	08/24/21
21H0946-03	SB22_9-10	08/24/21
21H0946-04	SB23_10-11	08/24/21
21H0946-05	SB24_1-2	08/24/21
BH11359-DUP1	Duplicate	08/24/21

Batch ID: BH11374 **Preparation Method:** EPA 3550C **Prepared By:** RTH

YORK Sample ID	Client Sample ID	Preparation Date
21H0946-01	SB20_1-2	08/25/21
21H0946-02	SB21_6-7	08/25/21
21H0946-03	SB22_9-10	08/25/21
21H0946-04	SB23_10-11	08/25/21
BH11374-BLK2	Blank	08/25/21
BH11374-BS2	LCS	08/25/21
BH11374-MS2	Matrix Spike	08/25/21
BH11374-MSD2	Matrix Spike Dup	08/25/21

Batch ID: BH11382 **Preparation Method:** EPA 7473 soil **Prepared By:** BR

YORK Sample ID	Client Sample ID	Preparation Date
21H0946-01	SB20_1-2	08/25/21
21H0946-02	SB21_6-7	08/25/21
21H0946-03	SB22_9-10	08/25/21
21H0946-04	SB23_10-11	08/25/21
21H0946-05	SB24_1-2	08/25/21
BH11382-BLK1	Blank	08/25/21
BH11382-DUP1	Duplicate	08/25/21
BH11382-MS1	Matrix Spike	08/25/21
BH11382-SRM1	Reference	08/25/21

Batch ID: BH11442 **Preparation Method:** EPA 5030B **Prepared By:** TMP

YORK Sample ID	Client Sample ID	Preparation Date
21H0946-06	Trip Blank	08/19/21
BH11442-BLK1	Blank	08/19/21
BH11442-BS1	LCS	08/19/21
BH11442-BSD1	LCS Dup	08/19/21



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

										RPD	
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	Limit	Flag
Batch BH11165 - EPA 5035A											
Blank (BH11165-BLK1)	Blank								Prepared & Analyzed: 08/20/2021		
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH11165 - EPA 5035A

Blank (BH11165-BLK1)	Blank		Prepared & Analyzed: 08/20/2021								
n-Butylbenzene	ND	0.0050	mg/kg wet								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
trans-1,4-dichloro-2-butene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	<i>53.0</i>		<i>ug/L</i>	<i>50.0</i>		<i>106</i>	<i>77-125</i>				
<i>Surrogate: SURR: Toluene-d8</i>	<i>51.1</i>		<i>"</i>	<i>50.0</i>		<i>102</i>	<i>85-120</i>				
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	<i>51.1</i>		<i>"</i>	<i>50.0</i>		<i>102</i>	<i>76-130</i>				

Blank (BH11165-BLK3)	Holding Blank - 21H0946		Prepared & Analyzed: 08/20/2021								
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH11165 - EPA 5035A

Blank (BH11165-BLK3)		Holding Blank - 21H0946				Prepared & Analyzed: 08/20/2021					
Bromodichloromethane	ND	0.0050	mg/kg wet								
Bromoform	ND	0.0050	"								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
trans-1,4-dichloro-2-butene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	53.7		ug/L	50.0		107	77-125				
Surrogate: SURR: Toluene-d8	50.2		"	50.0		100	85-120				
Surrogate: SURR: p-Bromofluorobenzene	49.4		"	50.0		98.8	76-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH11165 - EPA 5035A											
LCS (BH11165-BS1)	LCS						Prepared & Analyzed: 08/20/2021				
1,1,1,2-Tetrachloroethane	54		ug/L	50.0		109	75-129				
1,1,1-Trichloroethane	55		"	50.0		111	71-137				
1,1,2,2-Tetrachloroethane	49		"	50.0		98.8	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	58		"	50.0		116	58-146				
1,1,2-Trichloroethane	48		"	50.0		96.3	83-123				
1,1-Dichloroethane	48		"	50.0		95.7	75-130				
1,1-Dichloroethylene	60		"	50.0		119	64-137				
1,2,3-Trichlorobenzene	49		"	50.0		98.4	81-140				
1,2,3-Trichloropropane	52		"	50.0		104	81-126				
1,2,4-Trichlorobenzene	51		"	50.0		103	80-141				
1,2,4-Trimethylbenzene	50		"	50.0		99.1	84-125				
1,2-Dibromo-3-chloropropane	56		"	50.0		111	74-142				
1,2-Dibromoethane	50		"	50.0		100	86-123				
1,2-Dichlorobenzene	49		"	50.0		97.7	85-122				
1,2-Dichloroethane	52		"	50.0		103	71-133				
1,2-Dichloropropane	47		"	50.0		93.6	81-122				
1,3,5-Trimethylbenzene	51		"	50.0		103	82-126				
1,3-Dichlorobenzene	48		"	50.0		96.2	84-124				
1,4-Dichlorobenzene	48		"	50.0		96.9	84-124				
1,4-Dioxane	930		"	1050		88.9	10-228				
2-Butanone	49		"	50.0		97.5	58-147				
2-Hexanone	47		"	50.0		93.2	70-139				
4-Methyl-2-pentanone	46		"	50.0		92.9	72-132				
Acetone	47		"	50.0		94.2	36-155				
Acrolein	78		"	50.0		157	10-238				
Acrylonitrile	48		"	50.0		96.4	66-141				
Benzene	49		"	50.0		97.4	77-127				
Bromochloromethane	47		"	50.0		93.1	74-129				
Bromodichloromethane	55		"	50.0		109	81-124				
Bromoform	51		"	50.0		102	80-136				
Bromomethane	94		"	50.0		189	32-177	High Bias			
Carbon disulfide	64		"	50.0		128	10-136				
Carbon tetrachloride	55		"	50.0		110	66-143				
Chlorobenzene	49		"	50.0		98.1	86-120				
Chloroethane	78		"	50.0		156	51-142	High Bias			
Chloroform	52		"	50.0		104	76-131				
Chloromethane	54		"	50.0		108	49-132				
cis-1,2-Dichloroethylene	51		"	50.0		102	74-132				
cis-1,3-Dichloropropylene	52		"	50.0		104	81-129				
Cyclohexane	45		"	50.0		89.3	70-130				
Dibromochloromethane	50		"	50.0		100	10-200				
Dibromomethane	49		"	50.0		98.0	83-124				
Dichlorodifluoromethane	65		"	50.0		131	28-158				
Ethyl Benzene	48		"	50.0		97.0	84-125				
Hexachlorobutadiene	51		"	50.0		103	83-133				
Isopropylbenzene	50		"	50.0		99.2	81-127				
Methyl acetate	40		"	50.0		80.6	41-143				
Methyl tert-butyl ether (MTBE)	51		"	50.0		102	74-131				
Methylcyclohexane	47		"	50.0		94.0	70-130				
Methylene chloride	48		"	50.0		96.8	57-141				
n-Butylbenzene	50		"	50.0		100	80-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH11165 - EPA 5035A											
LCS (BH11165-BS1)	LCS		Prepared & Analyzed: 08/20/2021								
n-Propylbenzene	49		ug/L	50.0		97.7	74-136				
o-Xylene	48		"	50.0		95.1	83-123				
p- & m- Xylenes	97		"	100		97.5	82-128				
p-Isopropyltoluene	51		"	50.0		103	85-125				
sec-Butylbenzene	53		"	50.0		105	83-125				
Styrene	49		"	50.0		97.3	86-126				
tert-Butyl alcohol (TBA)	300		"	250		120	70-130				
tert-Butylbenzene	50		"	50.0		99.6	80-127				
Tetrachloroethylene	46		"	50.0		92.2	80-129				
Toluene	48		"	50.0		95.8	85-121				
trans-1,2-Dichloroethylene	54		"	50.0		107	72-132				
trans-1,3-Dichloropropylene	48		"	50.0		95.1	78-132				
trans-1,4-dichloro-2-butene	54		"	50.0		108	75-135				
Trichloroethylene	51		"	50.0		102	84-123				
Trichlorofluoromethane	64		"	50.0		127	62-140				
Vinyl Chloride	57		"	50.0		114	52-130				
Surrogate: SURR: 1,2-Dichloroethane-d4	53.3		"	50.0		107	77-125				
Surrogate: SURR: Toluene-d8	51.6		"	50.0		103	85-120				
Surrogate: SURR: p-Bromofluorobenzene	50.0		"	50.0		100	76-130				
LCS Dup (BH11165-BSD1)	LCS Dup		Prepared & Analyzed: 08/20/2021								
1,1,1,2-Tetrachloroethane	58		ug/L	50.0		115	75-129		6.18	30	
1,1,1-Trichloroethane	58		"	50.0		115	71-137		4.30	30	
1,1,2,2-Tetrachloroethane	51		"	50.0		103	79-129		4.03	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	58		"	50.0		117	58-146		0.670	30	
1,1,2-Trichloroethane	51		"	50.0		103	83-123		6.43	30	
1,1-Dichloroethane	51		"	50.0		101	75-130		5.59	30	
1,1-Dichloroethylene	62		"	50.0		123	64-137		3.40	30	
1,2,3-Trichlorobenzene	51		"	50.0		102	81-140		4.04	30	
1,2,3-Trichloropropane	54		"	50.0		107	81-126		3.58	30	
1,2,4-Trichlorobenzene	53		"	50.0		106	80-141		3.21	30	
1,2,4-Trimethylbenzene	51		"	50.0		102	84-125		2.83	30	
1,2-Dibromo-3-chloropropane	60		"	50.0		119	74-142		6.95	30	
1,2-Dibromoethane	53		"	50.0		106	86-123		5.95	30	
1,2-Dichlorobenzene	50		"	50.0		101	85-122		3.12	30	
1,2-Dichloroethane	54		"	50.0		109	71-133		5.51	30	
1,2-Dichloropropane	49		"	50.0		98.2	81-122		4.86	30	
1,3,5-Trimethylbenzene	52		"	50.0		103	82-126		0.408	30	
1,3-Dichlorobenzene	50		"	50.0		99.7	84-124		3.55	30	
1,4-Dichlorobenzene	50		"	50.0		99.8	84-124		2.95	30	
1,4-Dioxane	1100		"	1050		101	10-228		12.4	30	
2-Butanone	53		"	50.0		105	58-147		7.71	30	
2-Hexanone	51		"	50.0		102	70-139		8.68	30	
4-Methyl-2-pentanone	51		"	50.0		102	72-132		9.24	30	
Acetone	52		"	50.0		104	36-155		10.1	30	
Acrolein	80		"	50.0		160	10-238		1.75	30	
Acrylonitrile	51		"	50.0		102	66-141		6.02	30	
Benzene	51		"	50.0		102	77-127		4.47	30	
Bromochloromethane	49		"	50.0		97.3	74-129		4.35	30	
Bromodichloromethane	57		"	50.0		115	81-124		5.12	30	
Bromoform	54		"	50.0		108	80-136		5.88	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH11165 - EPA 5035A											
LCS Dup (BH11165-BSD1)	LCS Dup		Prepared & Analyzed: 08/20/2021								
Bromomethane	97		ug/L	50.0		193	32-177	High Bias	2.20	30	
Carbon disulfide	66		"	50.0		133	10-136		3.23	30	
Carbon tetrachloride	57		"	50.0		115	66-143		4.14	30	
Chlorobenzene	52		"	50.0		103	86-120		5.26	30	
Chloroethane	80		"	50.0		159	51-142	High Bias	2.16	30	
Chloroform	55		"	50.0		109	76-131		5.20	30	
Chloromethane	57		"	50.0		113	49-132		5.12	30	
cis-1,2-Dichloroethylene	53		"	50.0		107	74-132		4.09	30	
cis-1,3-Dichloropropylene	54		"	50.0		109	81-129		4.12	30	
Cyclohexane	46		"	50.0		91.9	70-130		2.82	30	
Dibromochloromethane	54		"	50.0		108	10-200		7.75	30	
Dibromomethane	51		"	50.0		102	83-124		4.10	30	
Dichlorodifluoromethane	67		"	50.0		135	28-158		3.01	30	
Ethyl Benzene	51		"	50.0		102	84-125		4.61	30	
Hexachlorobutadiene	53		"	50.0		106	83-133		2.63	30	
Isopropylbenzene	51		"	50.0		102	81-127		3.02	30	
Methyl acetate	44		"	50.0		87.3	41-143		8.08	30	
Methyl tert-butyl ether (MTBE)	54		"	50.0		108	74-131		5.11	30	
Methylcyclohexane	48		"	50.0		96.3	70-130		2.37	30	
Methylene chloride	50		"	50.0		101	57-141		3.91	30	
n-Butylbenzene	52		"	50.0		105	80-130		4.28	30	
n-Propylbenzene	50		"	50.0		99.2	74-136		1.46	30	
o-Xylene	50		"	50.0		100	83-123		5.22	30	
p- & m- Xylenes	100		"	100		103	82-128		5.79	30	
p-Isopropyltoluene	52		"	50.0		105	85-125		2.20	30	
sec-Butylbenzene	54		"	50.0		107	83-125		1.72	30	
Styrene	51		"	50.0		102	86-126		4.25	30	
tert-Butyl alcohol (TBA)	320		"	250		129	70-130		7.09	30	
tert-Butylbenzene	52		"	50.0		104	80-127		4.36	30	
Tetrachloroethylene	49		"	50.0		97.0	80-129		5.09	30	
Toluene	50		"	50.0		101	85-121		5.21	30	
trans-1,2-Dichloroethylene	55		"	50.0		109	72-132		1.83	30	
trans-1,3-Dichloropropylene	51		"	50.0		101	78-132		6.28	30	
trans-1,4-dichloro-2-butene	57		"	50.0		114	75-135		5.88	30	
Trichloroethylene	52		"	50.0		104	84-123		2.31	30	
Trichlorofluoromethane	65		"	50.0		130	62-140		2.04	30	
Vinyl Chloride	57		"	50.0		115	52-130		0.893	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	54.4		"	50.0		109	77-125				
Surrogate: SURR: Toluene-d8	51.9		"	50.0		104	85-120				
Surrogate: SURR: p-Bromofluorobenzene	49.9		"	50.0		99.8	76-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH11442 - EPA 5030B

Blank (BH11442-BLK1)		Blank		Prepared & Analyzed: 08/19/2021							
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,2,3-Trichlorobenzene	ND	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	0.50	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	0.50	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
1,4-Dioxane	ND	40	"								
2-Butanone	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Methyl-2-pentanone	ND	0.50	"								
Acetone	ND	2.0	"								
Acrolein	ND	0.50	"								
Acrylonitrile	ND	0.50	"								
Benzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon disulfide	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	0.40	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Cyclohexane	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl acetate	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylcyclohexane	ND	0.50	"								
Methylene chloride	ND	2.0	"								
n-Butylbenzene	ND	0.50	"								



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH11442 - EPA 5030B

Blank (BH11442-BLK1)	Blank		Prepared & Analyzed: 08/19/2021								
n-Propylbenzene	ND	0.50	ug/L								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butyl alcohol (TBA)	ND	1.0	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
trans-1,4-dichloro-2-butene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	<i>10.2</i>		<i>"</i>	<i>10.0</i>		<i>102</i>	<i>69-130</i>				
<i>Surrogate: SURR: Toluene-d8</i>	<i>9.99</i>		<i>"</i>	<i>10.0</i>		<i>99.9</i>	<i>81-117</i>				
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	<i>10.1</i>		<i>"</i>	<i>10.0</i>		<i>101</i>	<i>79-122</i>				

LCS (BH11442-BS1)	LCS		Prepared & Analyzed: 08/19/2021								
1,1,1,2-Tetrachloroethane	10		ug/L	10.0		105	82-126				
1,1,1-Trichloroethane	10		"	10.0		104	78-136				
1,1,2,2-Tetrachloroethane	11		"	10.0		109	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12		"	10.0		119	54-165				
1,1,2-Trichloroethane	10		"	10.0		100	82-123				
1,1-Dichloroethane	10		"	10.0		104	82-129				
1,1-Dichloroethylene	12		"	10.0		117	68-138				
1,2,3-Trichlorobenzene	8.4		"	10.0		84.5	40-130				
1,2,3-Trichloropropane	11		"	10.0		106	77-128				
1,2,4-Trichlorobenzene	9.0		"	10.0		90.0	65-137				
1,2,4-Trimethylbenzene	12		"	10.0		119	82-132				
1,2-Dibromo-3-chloropropane	8.2		"	10.0		81.8	45-147				
1,2-Dibromoethane	9.9		"	10.0		99.4	83-124				
1,2-Dichlorobenzene	11		"	10.0		106	79-123				
1,2-Dichloroethane	10		"	10.0		102	73-132				
1,2-Dichloropropane	11		"	10.0		110	78-126				
1,3,5-Trimethylbenzene	12		"	10.0		121	80-131				
1,3-Dichlorobenzene	11		"	10.0		109	86-130				
1,4-Dichlorobenzene	11		"	10.0		108	85-130				
1,4-Dioxane	200		"	210		92.9	10-349				
2-Butanone	9.7		"	10.0		97.3	49-152				
2-Hexanone	11		"	10.0		114	51-146				
4-Methyl-2-pentanone	11		"	10.0		108	57-145				
Acetone	8.1		"	10.0		81.3	14-150				
Acrolein	9.3		"	10.0		93.3	10-153				
Acrylonitrile	11		"	10.0		108	51-150				
Benzene	11		"	10.0		107	85-126				
Bromochloromethane	11		"	10.0		113	77-128				
Bromodichloromethane	10		"	10.0		103	79-128				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH11442 - EPA 5030B

LCS (BH11442-BS1)	LCS	Prepared & Analyzed: 08/19/2021									
Bromoform	9.8	ug/L	10.0	98.1	78-133						
Bromomethane	4.3	"	10.0	43.0	43-168						
Carbon disulfide	12	"	10.0	120	68-146						
Carbon tetrachloride	11	"	10.0	106	77-141						
Chlorobenzene	11	"	10.0	107	88-120						
Chloroethane	12	"	10.0	115	65-136						
Chloroform	10	"	10.0	102	82-128						
Chloromethane	10	"	10.0	99.6	43-155						
cis-1,2-Dichloroethylene	11	"	10.0	108	83-129						
cis-1,3-Dichloropropylene	11	"	10.0	106	80-131						
Cyclohexane	8.6	"	10.0	86.4	63-149						
Dibromochloromethane	10	"	10.0	102	80-130						
Dibromomethane	10	"	10.0	100	72-134						
Dichlorodifluoromethane	15	"	10.0	145	44-144	High Bias					
Ethyl Benzene	12	"	10.0	115	80-131						
Hexachlorobutadiene	13	"	10.0	128	67-146						
Isopropylbenzene	12	"	10.0	120	76-140						
Methyl acetate	9.6	"	10.0	95.7	51-139						
Methyl tert-butyl ether (MTBE)	10	"	10.0	102	76-135						
Methylcyclohexane	11	"	10.0	111	72-143						
Methylene chloride	12	"	10.0	116	55-137						
n-Butylbenzene	11	"	10.0	115	79-132						
n-Propylbenzene	12	"	10.0	121	78-133						
o-Xylene	11	"	10.0	113	78-130						
p- & m- Xylenes	24	"	20.0	119	77-133						
p-Isopropyltoluene	12	"	10.0	116	81-136						
sec-Butylbenzene	12	"	10.0	121	79-137						
Styrene	11	"	10.0	112	67-132						
tert-Butyl alcohol (TBA)	46	"	50.0	91.6	25-162						
tert-Butylbenzene	9.7	"	10.0	97.3	77-138						
Tetrachloroethylene	9.6	"	10.0	96.1	82-131						
Toluene	11	"	10.0	112	80-127						
trans-1,2-Dichloroethylene	12	"	10.0	116	80-132						
trans-1,3-Dichloropropylene	11	"	10.0	105	78-131						
trans-1,4-dichloro-2-butene	11	"	10.0	111	63-141						
Trichloroethylene	11	"	10.0	106	82-128						
Trichlorofluoromethane	12	"	10.0	116	67-139						
Vinyl Chloride	11	"	10.0	112	58-145						
Surrogate: SURR: 1,2-Dichloroethane-d4	9.90	"	10.0	99.0	69-130						
Surrogate: SURR: Toluene-d8	10.0	"	10.0	100	81-117						
Surrogate: SURR: p-Bromofluorobenzene	11.0	"	10.0	110	79-122						



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH11442 - EPA 5030B											
LCS Dup (BH11442-BSD1)	LCS Dup		Prepared & Analyzed: 08/19/2021								
1,1,1,2-Tetrachloroethane	10		ug/L	10.0		103	82-126		1.64	30	
1,1,1-Trichloroethane	9.8		"	10.0		98.3	78-136		5.15	30	
1,1,2,2-Tetrachloroethane	11		"	10.0		109	76-129		0.0914	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11		"	10.0		114	54-165		4.29	30	
1,1,2-Trichloroethane	10		"	10.0		103	82-123		2.57	30	
1,1-Dichloroethane	10		"	10.0		101	82-129		2.63	30	
1,1-Dichloroethylene	11		"	10.0		110	68-138		6.00	30	
1,2,3-Trichlorobenzene	8.6		"	10.0		86.1	40-130		1.88	30	
1,2,3-Trichloropropane	11		"	10.0		106	77-128		0.188	30	
1,2,4-Trichlorobenzene	9.0		"	10.0		90.4	65-137		0.443	30	
1,2,4-Trimethylbenzene	11		"	10.0		112	82-132		6.58	30	
1,2-Dibromo-3-chloropropane	8.5		"	10.0		85.1	45-147		3.95	30	
1,2-Dibromoethane	10		"	10.0		103	83-124		3.94	30	
1,2-Dichlorobenzene	10		"	10.0		103	79-123		3.25	30	
1,2-Dichloroethane	10		"	10.0		101	73-132		0.395	30	
1,2-Dichloropropane	11		"	10.0		109	78-126		1.46	30	
1,3,5-Trimethylbenzene	11		"	10.0		113	80-131		7.27	30	
1,3-Dichlorobenzene	10		"	10.0		103	86-130		5.10	30	
1,4-Dichlorobenzene	10		"	10.0		103	85-130		4.84	30	
1,4-Dioxane	220		"	210		107	10-349		14.2	30	
2-Butanone	10		"	10.0		101	49-152		3.53	30	
2-Hexanone	12		"	10.0		119	51-146		4.22	30	
4-Methyl-2-pentanone	12		"	10.0		116	57-145		6.34	30	
Acetone	8.1		"	10.0		80.9	14-150		0.493	30	
Acrolein	10		"	10.0		101	10-153		8.02	30	
Acrylonitrile	11		"	10.0		112	51-150		3.47	30	
Benzene	10		"	10.0		102	85-126		4.58	30	
Bromochloromethane	11		"	10.0		112	77-128		1.34	30	
Bromodichloromethane	10		"	10.0		102	79-128		1.66	30	
Bromoform	10		"	10.0		102	78-133		4.09	30	
Bromomethane	4.5		"	10.0		45.0	43-168		4.55	30	
Carbon disulfide	11		"	10.0		112	68-146		6.39	30	
Carbon tetrachloride	10		"	10.0		100	77-141		5.25	30	
Chlorobenzene	10		"	10.0		104	88-120		2.75	30	
Chloroethane	11		"	10.0		109	65-136		5.80	30	
Chloroform	9.9		"	10.0		98.9	82-128		2.69	30	
Chloromethane	9.0		"	10.0		90.2	43-155		9.91	30	
cis-1,2-Dichloroethylene	10		"	10.0		104	83-129		3.39	30	
cis-1,3-Dichloropropylene	10		"	10.0		104	80-131		2.00	30	
Cyclohexane	8.4		"	10.0		84.0	63-149		2.82	30	
Dibromochloromethane	10		"	10.0		103	80-130		1.27	30	
Dibromomethane	10		"	10.0		103	72-134		2.85	30	
Dichlorodifluoromethane	14		"	10.0		137	44-144		6.03	30	
Ethyl Benzene	11		"	10.0		111	80-131		3.63	30	
Hexachlorobutadiene	13		"	10.0		130	67-146		1.71	30	
Isopropylbenzene	11		"	10.0		110	76-140		8.73	30	
Methyl acetate	10		"	10.0		103	51-139		7.06	30	
Methyl tert-butyl ether (MTBE)	10		"	10.0		105	76-135		2.70	30	
Methylcyclohexane	11		"	10.0		107	72-143		4.04	30	
Methylene chloride	11		"	10.0		113	55-137		2.70	30	
n-Butylbenzene	11		"	10.0		114	79-132		0.876	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH11442 - EPA 5030B

LCS Dup (BH11442-BSD1)	LCS Dup	Prepared & Analyzed: 08/19/2021									
n-Propylbenzene	11		ug/L	10.0		112	78-133		8.24	30	
o-Xylene	11		"	10.0		110	78-130		2.60	30	
p- & m- Xylenes	23		"	20.0		115	77-133		3.68	30	
p-Isopropyltoluene	11		"	10.0		108	81-136		6.95	30	
sec-Butylbenzene	11		"	10.0		113	79-137		6.50	30	
Styrene	11		"	10.0		109	67-132		2.80	30	
tert-Butyl alcohol (TBA)	50		"	50.0		101	25-162		9.78	30	
tert-Butylbenzene	9.0		"	10.0		90.4	77-138		7.35	30	
Tetrachloroethylene	9.2		"	10.0		91.7	82-131		4.69	30	
Toluene	11		"	10.0		108	80-127		3.55	30	
trans-1,2-Dichloroethylene	11		"	10.0		110	80-132		5.84	30	
trans-1,3-Dichloropropylene	11		"	10.0		105	78-131		0.0951	30	
trans-1,4-dichloro-2-butene	11		"	10.0		110	63-141		0.996	30	
Trichloroethylene	10		"	10.0		102	82-128		3.94	30	
Trichlorofluoromethane	11		"	10.0		110	67-139		5.50	30	
Vinyl Chloride	10		"	10.0		104	58-145		7.11	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	10.0		"	10.0		100	69-130				
Surrogate: SURR: Toluene-d8	10.0		"	10.0		100	81-117				
Surrogate: SURR: p-Bromofluorobenzene	10.5		"	10.0		105	79-122				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH11297 - EPA 3546 SVOA

Blank (BH11297-BLK1)	Blank	Prepared & Analyzed: 08/24/2021									
1,1-Biphenyl	ND	0.0412	mg/kg wet								
1,2,4,5-Tetrachlorobenzene	ND	0.0822	"								
1,2,4-Trichlorobenzene	ND	0.0412	"								
1,2-Dichlorobenzene	ND	0.0412	"								
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.0412	"								
1,3-Dichlorobenzene	ND	0.0412	"								
1,4-Dichlorobenzene	ND	0.0412	"								
2,3,4,6-Tetrachlorophenol	ND	0.0822	"								
2,4,5-Trichlorophenol	ND	0.0412	"								
2,4,6-Trichlorophenol	ND	0.0412	"								
2,4-Dichlorophenol	ND	0.0412	"								
2,4-Dimethylphenol	ND	0.0412	"								
2,4-Dinitrophenol	ND	0.0822	"								
2,4-Dinitrotoluene	ND	0.0412	"								
2,6-Dinitrotoluene	ND	0.0412	"								
2-Chloronaphthalene	ND	0.0412	"								
2-Chlorophenol	ND	0.0412	"								
2-Methylnaphthalene	ND	0.0412	"								
2-Methylphenol	ND	0.0412	"								
2-Nitroaniline	ND	0.0822	"								
2-Nitrophenol	ND	0.0412	"								
3- & 4-Methylphenols	ND	0.0412	"								
3,3-Dichlorobenzidine	ND	0.0412	"								
3-Nitroaniline	ND	0.0822	"								
4,6-Dinitro-2-methylphenol	ND	0.0822	"								
4-Bromophenyl phenyl ether	ND	0.0412	"								
4-Chloro-3-methylphenol	ND	0.0412	"								
4-Chloroaniline	ND	0.0412	"								
4-Chlorophenyl phenyl ether	ND	0.0412	"								
4-Nitroaniline	ND	0.0822	"								
4-Nitrophenol	ND	0.0822	"								
Acenaphthene	ND	0.0412	"								
Acenaphthylene	ND	0.0412	"								
Acetophenone	ND	0.0412	"								
Aniline	ND	0.165	"								
Anthracene	ND	0.0412	"								
Atrazine	ND	0.0412	"								
Benzaldehyde	ND	0.0412	"								
Benzidine	ND	0.165	"								
Benzo(a)anthracene	ND	0.0412	"								
Benzo(a)pyrene	ND	0.0412	"								
Benzo(b)fluoranthene	ND	0.0412	"								
Benzo(g,h,i)perylene	ND	0.0412	"								
Benzo(k)fluoranthene	ND	0.0412	"								
Benzoic acid	ND	0.0412	"								
Benzyl alcohol	ND	0.0412	"								
Benzyl butyl phthalate	ND	0.0412	"								
Bis(2-chloroethoxy)methane	ND	0.0412	"								
Bis(2-chloroethyl)ether	ND	0.0412	"								
Bis(2-chloroisopropyl)ether	ND	0.0412	"								
Bis(2-ethylhexyl)phthalate	ND	0.0412	"								



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH11297 - EPA 3546 SVOA

Blank (BH11297-BLK1)	Blank										Prepared & Analyzed: 08/24/2021
Caprolactam	ND	0.0822	mg/kg wet								
Carbazole	ND	0.0412	"								
Chrysene	ND	0.0412	"								
Dibenzo(a,h)anthracene	ND	0.0412	"								
Dibenzofuran	ND	0.0412	"								
Diethyl phthalate	ND	0.0412	"								
Dimethyl phthalate	ND	0.0412	"								
Di-n-butyl phthalate	ND	0.0412	"								
Di-n-octyl phthalate	ND	0.0412	"								
Diphenylamine	ND	0.0822	"								
Fluoranthene	ND	0.0412	"								
Fluorene	ND	0.0412	"								
Hexachlorobenzene	ND	0.0412	"								
Hexachlorobutadiene	ND	0.0412	"								
Hexachlorocyclopentadiene	ND	0.0412	"								
Hexachloroethane	ND	0.0412	"								
Indeno(1,2,3-cd)pyrene	ND	0.0412	"								
Isophorone	ND	0.0412	"								
Naphthalene	ND	0.0412	"								
Nitrobenzene	ND	0.0412	"								
N-Nitrosodimethylamine	ND	0.0412	"								
N-nitroso-di-n-propylamine	ND	0.0412	"								
N-Nitrosodiphenylamine	ND	0.0412	"								
Pentachlorophenol	ND	0.0412	"								
Phenanthrene	ND	0.0412	"								
Phenol	ND	0.0412	"								
Pyrene	ND	0.0412	"								
Surrogate: SURR: 2-Fluorophenol	1.32		"	1.64		80.5	20-108				
Surrogate: SURR: Phenol-d5	1.22		"	1.64		74.1	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.697		"	0.822		84.8	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.680		"	0.822		82.7	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	1.87		"	1.64		114	19-110				
Surrogate: SURR: Terphenyl-d14	0.748		"	0.822		90.9	24-116				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH11297 - EPA 3546 SVOA											
LCS (BH11297-BS1)	LCS								Prepared & Analyzed: 08/24/2021		
1,1-Biphenyl	0.637	0.0410	mg/kg wet	0.0820		778	18-111	High Bias			
1,2,4,5-Tetrachlorobenzene	0.811	0.0819	"	0.820		99.0	21-131				
1,2,4-Trichlorobenzene	0.699	0.0410	"	0.820		85.3	10-140				
1,2-Dichlorobenzene	0.611	0.0410	"	0.820		74.5	34-108				
1,2-Diphenylhydrazine (as Azobenzene)	0.516	0.0410	"	0.820		63.0	17-137				
1,3-Dichlorobenzene	0.609	0.0410	"	0.820		74.3	33-110				
1,4-Dichlorobenzene	0.628	0.0410	"	0.820		76.6	32-104				
2,3,4,6-Tetrachlorophenol	0.744	0.0819	"	0.820		90.8	30-130				
2,4,5-Trichlorophenol	0.736	0.0410	"	0.820		89.8	27-118				
2,4,6-Trichlorophenol	0.705	0.0410	"	0.820		86.0	31-120				
2,4-Dichlorophenol	0.682	0.0410	"	0.820		83.2	20-127				
2,4-Dimethylphenol	0.659	0.0410	"	0.820		80.4	14-132				
2,4-Dinitrophenol	0.830	0.0819	"	0.820		101	10-171				
2,4-Dinitrotoluene	0.711	0.0410	"	0.820		86.8	34-131				
2,6-Dinitrotoluene	0.737	0.0410	"	0.820		89.9	31-128				
2-Chloronaphthalene	0.612	0.0410	"	0.820		74.7	31-117				
2-Chlorophenol	0.624	0.0410	"	0.820		76.2	33-113				
2-Methylnaphthalene	0.705	0.0410	"	0.820		86.0	12-138				
2-Methylphenol	0.634	0.0410	"	0.820		77.4	10-136				
2-Nitroaniline	0.653	0.0819	"	0.820		79.7	27-132				
2-Nitrophenol	0.771	0.0410	"	0.820		94.0	17-129				
3- & 4-Methylphenols	0.551	0.0410	"	0.820		67.2	29-103				
3,3-Dichlorobenzidine	1.38	0.0410	"	0.820		169	22-149	High Bias			
3-Nitroaniline	0.611	0.0819	"	0.820		74.6	20-133				
4,6-Dinitro-2-methylphenol	0.934	0.0819	"	0.820		114	10-143				
4-Bromophenyl phenyl ether	0.711	0.0410	"	0.820		86.8	29-120				
4-Chloro-3-methylphenol	0.683	0.0410	"	0.820		83.3	24-129				
4-Chloroaniline	0.503	0.0410	"	0.820		61.4	10-132				
4-Chlorophenyl phenyl ether	0.663	0.0410	"	0.820		80.8	27-124				
4-Nitroaniline	0.607	0.0819	"	0.820		74.1	16-128				
4-Nitrophenol	0.651	0.0819	"	0.820		79.5	10-141				
Acenaphthene	0.612	0.0410	"	0.820		74.6	30-121				
Acenaphthylene	0.638	0.0410	"	0.820		77.8	30-115				
Acetophenone	0.669	0.0410	"	0.0820		816	20-112	High Bias			
Aniline	0.539	0.164	"	0.820		65.8	10-119				
Anthracene	0.690	0.0410	"	0.820		84.2	34-118				
Atrazine	0.795	0.0410	"	0.0820		970	26-112	High Bias			
Benzaldehyde	0.636	0.0410	"	0.0820		776	21-100	High Bias			
Benzo(a)anthracene	0.726	0.0410	"	0.820		88.5	32-122				
Benzo(a)pyrene	0.787	0.0410	"	0.820		96.0	29-133				
Benzo(b)fluoranthene	0.726	0.0410	"	0.820		88.6	25-133				
Benzo(g,h,i)perylene	0.691	0.0410	"	0.820		84.3	10-143				
Benzo(k)fluoranthene	0.690	0.0410	"	0.820		84.2	25-128				
Benzoic acid	0.451	0.0410	"	0.0820		550	10-140	High Bias			
Benzyl alcohol	0.616	0.0410	"	0.820		75.2	30-115				
Benzyl butyl phthalate	0.726	0.0410	"	0.820		88.6	26-126				
Bis(2-chloroethoxy)methane	0.595	0.0410	"	0.820		72.6	19-132				
Bis(2-chloroethyl)ether	0.566	0.0410	"	0.820		69.0	19-125				
Bis(2-chloroisopropyl)ether	0.506	0.0410	"	0.820		61.7	20-135				
Bis(2-ethylhexyl)phthalate	0.755	0.0410	"	0.820		92.2	10-155				
Caprolactam	0.762	0.0819	"	0.0820		930	10-127	High Bias			



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH11297 - EPA 3546 SVOA

LCS (BH11297-BS1)		LCS		Prepared & Analyzed: 08/24/2021							
Carbazole	0.646	0.0410	mg/kg wet	0.820		78.8	35-123				
Chrysene	0.690	0.0410	"	0.820		84.1	32-123				
Dibenzo(a,h)anthracene	0.800	0.0410	"	0.820		97.6	10-136				
Dibenzofuran	0.627	0.0410	"	0.820		76.4	29-121				
Diethyl phthalate	0.650	0.0410	"	0.820		79.2	34-116				
Dimethyl phthalate	0.633	0.0410	"	0.820		77.3	35-124				
Di-n-butyl phthalate	0.702	0.0410	"	0.820		85.6	31-116				
Di-n-octyl phthalate	0.918	0.0410	"	0.820		112	26-136				
Diphenylamine	0.758	0.0819	"	0.820		92.4	40-140				
Fluoranthene	0.708	0.0410	"	0.820		86.4	33-122				
Fluorene	0.637	0.0410	"	0.820		77.7	29-123				
Hexachlorobenzene	0.650	0.0410	"	0.820		79.3	21-124				
Hexachlorobutadiene	0.731	0.0410	"	0.820		89.2	10-149				
Hexachlorocyclopentadiene	0.560	0.0410	"	0.820		68.4	10-129				
Hexachloroethane	0.622	0.0410	"	0.820		75.8	28-108				
Indeno(1,2,3-cd)pyrene	0.852	0.0410	"	0.820		104	10-135				
Isophorone	0.602	0.0410	"	0.820		73.4	20-132				
Naphthalene	0.634	0.0410	"	0.820		77.4	23-124				
Nitrobenzene	0.568	0.0410	"	0.820		69.3	13-132				
N-Nitrosodimethylamine	1.17	0.0410	"	0.820		143	11-129	High Bias			
N-nitroso-di-n-propylamine	0.569	0.0410	"	0.820		69.4	24-119				
N-Nitrosodiphenylamine	0.749	0.0410	"	0.820		91.3	22-152				
Pentachlorophenol	0.712	0.0410	"	0.820		86.9	10-139				
Phenanthrene	0.641	0.0410	"	0.820		78.2	33-123				
Phenol	0.622	0.0410	"	0.820		75.9	23-115				
Pyrene	0.654	0.0410	"	0.820		79.8	32-130				
Surrogate: SURR: 2-Fluorophenol	1.16		"	1.64		70.5	20-108				
Surrogate: SURR: Phenol-d5	1.16		"	1.64		70.7	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.574		"	0.820		70.0	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.625		"	0.820		76.3	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	1.70		"	1.64		104	19-110				
Surrogate: SURR: Terphenyl-d14	0.691		"	0.820		84.3	24-116				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH11297 - EPA 3546 SVOA											
Matrix Spike (BH11297-MS1)	Matrix Spike	*Source sample: 21H0948-17 (Matrix Spike)						Prepared: 08/24/2021 Analyzed: 08/25/2021			
1,1-Biphenyl	0.614	0.0891	mg/kg dry	0.0891	ND	689	10-130	High Bias			
1,2,4,5-Tetrachlorobenzene	0.834	0.178	"	0.891	ND	93.7	10-133				
1,2,4-Trichlorobenzene	0.715	0.0891	"	0.891	ND	80.3	10-127				
1,2-Dichlorobenzene	0.609	0.0891	"	0.891	ND	68.4	14-111				
1,2-Diphenylhydrazine (as Azobenzene)	0.571	0.0891	"	0.891	ND	64.2	10-144				
1,3-Dichlorobenzene	0.623	0.0891	"	0.891	ND	69.9	11-111				
1,4-Dichlorobenzene	0.628	0.0891	"	0.891	ND	70.6	10-106				
2,3,4,6-Tetrachlorophenol	0.678	0.178	"	0.891	ND	76.2	30-130				
2,4,5-Trichlorophenol	0.690	0.0891	"	0.891	ND	77.5	10-127				
2,4,6-Trichlorophenol	0.662	0.0891	"	0.891	ND	74.3	10-132				
2,4-Dichlorophenol	0.661	0.0891	"	0.891	ND	74.2	10-128				
2,4-Dimethylphenol	0.707	0.0891	"	0.891	ND	79.4	10-137				
2,4-Dinitrophenol	ND	0.178	"	0.891	ND		10-171	Low Bias			
2,4-Dinitrotoluene	0.447	0.0891	"	0.891	ND	50.2	16-135				
2,6-Dinitrotoluene	0.512	0.0891	"	0.891	ND	57.5	18-131				
2-Chloronaphthalene	0.636	0.0891	"	0.891	ND	71.4	10-129				
2-Chlorophenol	0.618	0.0891	"	0.891	ND	69.4	15-116				
2-Methylnaphthalene	0.725	0.0891	"	0.891	ND	81.4	10-147				
2-Methylphenol	0.643	0.0891	"	0.891	ND	72.2	10-136				
2-Nitroaniline	0.485	0.178	"	0.891	ND	54.4	10-137				
2-Nitrophenol	0.482	0.0891	"	0.891	ND	54.1	10-129				
3- & 4-Methylphenols	0.511	0.0891	"	0.891	ND	57.4	10-123				
3,3-Dichlorobenzidine	1.61	0.0891	"	0.891	ND	181	10-155	High Bias			
3-Nitroaniline	0.583	0.178	"	0.891	ND	65.4	12-133				
4,6-Dinitro-2-methylphenol	0.106	0.178	"	0.891	ND	11.9	10-155				
4-Bromophenyl phenyl ether	0.757	0.0891	"	0.891	ND	85.0	14-128				
4-Chloro-3-methylphenol	0.720	0.0891	"	0.891	ND	80.8	10-134				
4-Chloroaniline	0.648	0.0891	"	0.891	ND	72.8	10-145				
4-Chlorophenyl phenyl ether	0.641	0.0891	"	0.891	ND	72.0	14-130				
4-Nitroaniline	0.519	0.178	"	0.891	ND	58.3	10-147				
4-Nitrophenol	0.369	0.178	"	0.891	ND	41.4	10-137				
Acenaphthene	0.638	0.0891	"	0.891	ND	71.6	10-146				
Acenaphthylene	0.587	0.0891	"	0.891	ND	65.9	10-134				
Acetophenone	0.692	0.0891	"	0.0891	ND	777	10-116	High Bias			
Aniline	0.599	0.357	"	0.891	ND	67.3	10-123				
Anthracene	0.686	0.0891	"	0.891	ND	77.0	10-142				
Atrazine	0.834	0.0891	"	0.0891	ND	937	19-115	High Bias			
Benzaldehyde	0.653	0.0891	"	0.0891	ND	733	10-125	High Bias			
Benzo(a)anthracene	0.730	0.0891	"	0.891	ND	81.9	10-158				
Benzo(a)pyrene	0.829	0.0891	"	0.891	ND	93.1	10-180				
Benzo(b)fluoranthene	0.755	0.0891	"	0.891	ND	84.7	10-200				
Benzo(g,h,i)perylene	0.772	0.0891	"	0.891	ND	86.6	10-138				
Benzo(k)fluoranthene	0.753	0.0891	"	0.891	ND	84.6	10-197				
Benzoic acid	0.450	0.0891	"	0.0891	ND	506	10-166	High Bias			
Benzyl alcohol	0.590	0.0891	"	0.891	ND	66.2	12-124				
Benzyl butyl phthalate	0.793	0.0891	"	0.891	ND	89.0	10-154				
Bis(2-chloroethoxy)methane	0.605	0.0891	"	0.891	ND	67.9	10-132				
Bis(2-chloroethyl)ether	0.555	0.0891	"	0.891	ND	62.3	10-119				
Bis(2-chloroisopropyl)ether	0.460	0.0891	"	0.891	ND	51.7	10-139				
Bis(2-ethylhexyl)phthalate	0.845	0.0891	"	0.891	ND	94.9	10-167				
Caprolactam	0.793	0.178	"	0.0891	ND	890	10-132	High Bias			



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH11297 - EPA 3546 SVOA

Matrix Spike (BH11297-MS1)	Matrix Spike	*Source sample: 21H0948-17 (Matrix Spike)						Prepared: 08/24/2021 Analyzed: 08/25/2021			
Carbazole	0.626	0.0891	mg/kg dry	0.891	ND	70.3	10-167				
Chrysene	0.696	0.0891	"	0.891	ND	78.2	10-156				
Dibenzo(a,h)anthracene	0.869	0.0891	"	0.891	ND	97.5	10-137				
Dibenzofuran	0.607	0.0891	"	0.891	ND	68.2	10-147				
Diethyl phthalate	0.636	0.0891	"	0.891	ND	71.4	20-120				
Dimethyl phthalate	0.659	0.0891	"	0.891	ND	74.0	18-131				
Di-n-butyl phthalate	0.740	0.0891	"	0.891	ND	83.1	10-137				
Di-n-octyl phthalate	0.961	0.0891	"	0.891	ND	108	10-180				
Diphenylamine	0.788	0.178	"	0.891	ND	88.5	40-140				
Fluoranthene	0.673	0.0891	"	0.891	ND	75.6	10-160				
Fluorene	0.630	0.0891	"	0.891	ND	70.7	10-157				
Hexachlorobenzene	0.667	0.0891	"	0.891	ND	74.9	10-137				
Hexachlorobutadiene	0.779	0.0891	"	0.891	ND	87.4	10-132				
Hexachlorocyclopentadiene	0.117	0.0891	"	0.891	ND	13.1	10-106				
Hexachloroethane	0.542	0.0891	"	0.891	ND	60.8	10-110				
Indeno(1,2,3-cd)pyrene	0.894	0.0891	"	0.891	ND	100	10-144				
Isophorone	0.638	0.0891	"	0.891	ND	71.7	10-132				
Naphthalene	0.634	0.0891	"	0.891	ND	71.2	10-141				
Nitrobenzene	0.530	0.0891	"	0.891	ND	59.5	10-131				
N-Nitrosodimethylamine	1.18	0.0891	"	0.891	ND	133	10-126	High Bias			
N-nitroso-di-n-propylamine	0.574	0.0891	"	0.891	ND	64.4	10-125				
N-Nitrosodiphenylamine	0.780	0.0891	"	0.891	ND	87.5	10-177				
Pentachlorophenol	0.602	0.0891	"	0.891	ND	67.6	10-153				
Phenanthrene	0.647	0.0891	"	0.891	ND	72.6	10-148				
Phenol	0.521	0.0891	"	0.891	ND	58.5	10-126				
Pyrene	0.662	0.0891	"	0.891	ND	74.3	10-165				
Surrogate: SURR: 2-Fluorophenol	1.13		"	1.78		63.4	20-108				
Surrogate: SURR: Phenol-d5	1.09		"	1.78		61.2	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.536		"	0.891		60.2	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.614		"	0.891		68.9	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	1.51		"	1.78		85.0	19-110				
Surrogate: SURR: Terphenyl-d14	0.703		"	0.891		79.0	24-116				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH11297 - EPA 3546 SVOA											
Matrix Spike Dup (BH11297-1) Matrix Spike Dup						Source sample: 21H0948-17 (Matrix Spike Dup) Prepared: 08/24/2021 Analyzed: 08/25/2021					
1,1-Biphenyl	0.622	0.0891	mg/kg dry	0.0891	ND	698	10-130	High Bias	1.38	30	
1,2,4,5-Tetrachlorobenzene	0.777	0.178	"	0.891	ND	87.3	10-133		7.07	30	
1,2,4-Trichlorobenzene	0.653	0.0891	"	0.891	ND	73.4	10-127		9.06	30	
1,2-Dichlorobenzene	0.566	0.0891	"	0.891	ND	63.5	14-111		7.40	30	
1,2-Diphenylhydrazine (as Azobenzene)	0.541	0.0891	"	0.891	ND	60.7	10-144		5.51	30	
1,3-Dichlorobenzene	0.541	0.0891	"	0.891	ND	60.7	11-111		14.1	30	
1,4-Dichlorobenzene	0.592	0.0891	"	0.891	ND	66.5	10-106		5.95	30	
2,3,4,6-Tetrachlorophenol	0.685	0.178	"	0.891	ND	76.9	30-130		0.941	30	
2,4,5-Trichlorophenol	0.642	0.0891	"	0.891	ND	72.1	10-127		7.27	30	
2,4,6-Trichlorophenol	0.615	0.0891	"	0.891	ND	69.0	10-132		7.37	30	
2,4-Dichlorophenol	0.634	0.0891	"	0.891	ND	71.2	10-128		4.07	30	
2,4-Dimethylphenol	0.661	0.0891	"	0.891	ND	74.2	10-137		6.67	30	
2,4-Dinitrophenol	ND	0.178	"	0.891	ND		10-171	Low Bias		30	
2,4-Dinitrotoluene	0.405	0.0891	"	0.891	ND	45.5	16-135		9.86	30	
2,6-Dinitrotoluene	0.479	0.0891	"	0.891	ND	53.8	18-131		6.76	30	
2-Chloronaphthalene	0.617	0.0891	"	0.891	ND	69.3	10-129		2.96	30	
2-Chlorophenol	0.563	0.0891	"	0.891	ND	63.2	15-116		9.41	30	
2-Methylnaphthalene	0.675	0.0891	"	0.891	ND	75.8	10-147		7.23	30	
2-Methylphenol	0.580	0.0891	"	0.891	ND	65.1	10-136		10.4	30	
2-Nitroaniline	0.463	0.178	"	0.891	ND	52.0	10-137		4.51	30	
2-Nitrophenol	0.467	0.0891	"	0.891	ND	52.5	10-129		3.00	30	
3- & 4-Methylphenols	0.470	0.0891	"	0.891	ND	52.7	10-123		8.43	30	
3,3-Dichlorobenzidine	1.45	0.0891	"	0.891	ND	163	10-155	High Bias	10.6	30	
3-Nitroaniline	0.551	0.178	"	0.891	ND	61.8	12-133		5.66	30	
4,6-Dinitro-2-methylphenol	0.102	0.178	"	0.891	ND	11.4	10-155		4.11	30	
4-Bromophenyl phenyl ether	0.686	0.0891	"	0.891	ND	77.0	14-128		9.87	30	
4-Chloro-3-methylphenol	0.696	0.0891	"	0.891	ND	78.2	10-134		3.32	30	
4-Chloroaniline	0.618	0.0891	"	0.891	ND	69.4	10-145		4.72	30	
4-Chlorophenyl phenyl ether	0.611	0.0891	"	0.891	ND	68.6	14-130		4.89	30	
4-Nitroaniline	0.494	0.178	"	0.891	ND	55.4	10-147		5.06	30	
4-Nitrophenol	0.363	0.178	"	0.891	ND	40.8	10-137		1.56	30	
Acenaphthene	0.596	0.0891	"	0.891	ND	67.0	10-146		6.70	30	
Acenaphthylene	0.574	0.0891	"	0.891	ND	64.5	10-134		2.21	30	
Acetophenone	0.675	0.0891	"	0.0891	ND	758	10-116	High Bias	2.40	30	
Aniline	0.589	0.357	"	0.891	ND	66.2	10-123		1.68	30	
Anthracene	0.653	0.0891	"	0.891	ND	73.3	10-142		5.00	30	
Atrazine	0.787	0.0891	"	0.0891	ND	883	19-115	High Bias	5.89	30	
Benzaldehyde	0.672	0.0891	"	0.0891	ND	754	10-125	High Bias	2.90	30	
Benzo(a)anthracene	0.705	0.0891	"	0.891	ND	79.1	10-158		3.48	30	
Benzo(a)pyrene	0.820	0.0891	"	0.891	ND	92.1	10-180		1.12	30	
Benzo(b)fluoranthene	0.713	0.0891	"	0.891	ND	80.0	10-200		5.73	30	
Benzo(g,h,i)perylene	0.723	0.0891	"	0.891	ND	81.1	10-138		6.58	30	
Benzo(k)fluoranthene	0.705	0.0891	"	0.891	ND	79.2	10-197		6.55	30	
Benzoic acid	0.360	0.0891	"	0.0891	ND	404	10-166	High Bias	22.3	30	
Benzyl alcohol	0.548	0.0891	"	0.891	ND	61.5	12-124		7.39	30	
Benzyl butyl phthalate	0.743	0.0891	"	0.891	ND	83.4	10-154		6.49	30	
Bis(2-chloroethoxy)methane	0.536	0.0891	"	0.891	ND	60.2	10-132		12.1	30	
Bis(2-chloroethyl)ether	0.506	0.0891	"	0.891	ND	56.8	10-119		9.27	30	
Bis(2-chloroisopropyl)ether	0.437	0.0891	"	0.891	ND	49.0	10-139		5.24	30	
Bis(2-ethylhexyl)phthalate	0.793	0.0891	"	0.891	ND	89.0	10-167		6.35	30	
Caprolactam	0.730	0.178	"	0.0891	ND	819	10-132	High Bias	8.33	30	



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH11297 - EPA 3546 SVOA

Matrix Spike Dup (BH11297-1) Matrix Spike Dup					Source sample: 21H0948-17 (Matrix Spike Dup)							Prepared: 08/24/2021 Analyzed: 08/25/2021	
Carbazole	0.616	0.0891	mg/kg dry	0.891	ND	69.2	10-167		1.61	30			
Chrysene	0.641	0.0891	"	0.891	ND	71.9	10-156		8.32	30			
Dibenzo(a,h)anthracene	0.797	0.0891	"	0.891	ND	89.4	10-137		8.64	30			
Dibenzofuran	0.601	0.0891	"	0.891	ND	67.4	10-147		1.06	30			
Diethyl phthalate	0.620	0.0891	"	0.891	ND	69.6	20-120		2.50	30			
Dimethyl phthalate	0.646	0.0891	"	0.891	ND	72.5	18-131		2.08	30			
Di-n-butyl phthalate	0.703	0.0891	"	0.891	ND	78.9	10-137		5.23	30			
Di-n-octyl phthalate	0.908	0.0891	"	0.891	ND	102	10-180		5.64	30			
Diphenylamine	0.765	0.178	"	0.891	ND	85.9	40-140		2.94	30			
Fluoranthene	0.660	0.0891	"	0.891	ND	74.1	10-160		2.03	30			
Fluorene	0.614	0.0891	"	0.891	ND	68.9	10-157		2.64	30			
Hexachlorobenzene	0.663	0.0891	"	0.891	ND	74.5	10-137		0.536	30			
Hexachlorobutadiene	0.690	0.0891	"	0.891	ND	77.5	10-132		12.0	30			
Hexachlorocyclopentadiene	0.0955	0.0891	"	0.891	ND	10.7	10-106		20.1	30			
Hexachloroethane	0.504	0.0891	"	0.891	ND	56.6	10-110		7.08	30			
Indeno(1,2,3-cd)pyrene	0.833	0.0891	"	0.891	ND	93.5	10-144		7.10	30			
Isophorone	0.593	0.0891	"	0.891	ND	66.6	10-132		7.41	30			
Naphthalene	0.614	0.0891	"	0.891	ND	69.0	10-141		3.20	30			
Nitrobenzene	0.497	0.0891	"	0.891	ND	55.8	10-131		6.52	30			
N-Nitrosodimethylamine	1.06	0.0891	"	0.891	ND	119	10-126		10.8	30			
N-nitroso-di-n-propylamine	0.533	0.0891	"	0.891	ND	59.8	10-125		7.34	30			
N-Nitrosodiphenylamine	0.747	0.0891	"	0.891	ND	83.9	10-177		4.20	30			
Pentachlorophenol	0.596	0.0891	"	0.891	ND	66.9	10-153		1.07	30			
Phenanthrene	0.621	0.0891	"	0.891	ND	69.8	10-148		4.04	30			
Phenol	0.494	0.0891	"	0.891	ND	55.4	10-126		5.34	30			
Pyrene	0.643	0.0891	"	0.891	ND	72.2	10-165		2.95	30			
Surrogate: SURR: 2-Fluorophenol	1.11		"	1.78		62.3	20-108						
Surrogate: SURR: Phenol-d5	1.02		"	1.78		57.2	23-114						
Surrogate: SURR: Nitrobenzene-d5	0.521		"	0.891		58.5	22-108						
Surrogate: SURR: 2-Fluorobiphenyl	0.596		"	0.891		67.0	21-113						
Surrogate: SURR: 2,4,6-Tribromophenol	1.49		"	1.78		83.8	19-110						
Surrogate: SURR: Terphenyl-d14	0.689		"	0.891		77.4	24-116						



Polychlorinated Biphenyls by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH11232 - EPA 3546 PPCB											
Blank (BH11232-BLK1)	Blank							Prepared: 08/23/2021 Analyzed: 08/24/2021			
Aroclor 1016	ND	0.0166	mg/kg wet								
Aroclor 1221	ND	0.0166	"								
Aroclor 1232	ND	0.0166	"								
Aroclor 1242	ND	0.0166	"								
Aroclor 1248	ND	0.0166	"								
Aroclor 1254	ND	0.0166	"								
Aroclor 1260	ND	0.0166	"								
Total PCBs	ND	0.0166	"								
Surrogate: Tetrachloro-m-xylene	0.0721		"	0.0664		108	30-140				
Surrogate: Decachlorobiphenyl	0.0588		"	0.0664		88.5	30-140				
LCS (BH11232-BS1)	LCS							Prepared: 08/23/2021 Analyzed: 08/24/2021			
Aroclor 1016	0.323	0.0166	mg/kg wet	0.332		97.2	40-130				
Aroclor 1260	0.354	0.0166	"	0.332		107	40-130				
Surrogate: Tetrachloro-m-xylene	0.0651		"	0.0664		98.0	30-140				
Surrogate: Decachlorobiphenyl	0.0502		"	0.0664		75.5	30-140				
Matrix Spike (BH11232-MS1)	Matrix Spike	*Source sample: 21H0801-04 (Matrix Spike)						Prepared: 08/23/2021 Analyzed: 08/24/2021			
Aroclor 1016	0.274	0.0192	mg/kg dry	0.384	ND	71.4	40-140				
Aroclor 1260	0.305	0.0192	"	0.384	ND	79.5	40-140				
Surrogate: Tetrachloro-m-xylene	0.0614		"	0.0768		80.0	30-140				
Surrogate: Decachlorobiphenyl	0.0349		"	0.0768		45.5	30-140				
Matrix Spike Dup (BH11232-MS1)	Matrix Spike Dup	*Source sample: 21H0801-04 (Matrix Spike Dup)						Prepared: 08/23/2021 Analyzed: 08/24/2021			
Aroclor 1016	0.183	0.0192	mg/kg dry	0.384	ND	47.8	40-140		39.6	50	
Aroclor 1260	0.212	0.0192	"	0.384	ND	55.2	40-140		36.1	50	
Surrogate: Tetrachloro-m-xylene	0.0526		"	0.0768		68.5	30-140				
Surrogate: Decachlorobiphenyl	0.0280		"	0.0768		36.5	30-140				



Polychlorinated Biphenyls by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH11374 - EPA 3550C											
Blank (BH11374-BLK2)	Blank							Prepared & Analyzed: 08/25/2021			
Aroclor 1016	ND	0.0164	mg/kg wet								
Aroclor 1221	ND	0.0164	"								
Aroclor 1232	ND	0.0164	"								
Aroclor 1242	ND	0.0164	"								
Aroclor 1248	ND	0.0164	"								
Aroclor 1254	ND	0.0164	"								
Aroclor 1260	ND	0.0164	"								
Total PCBs	ND	0.0164	"								
Surrogate: Tetrachloro-m-xylene	0.0645		"	0.0658		98.0	30-140				
Surrogate: Decachlorobiphenyl	0.0378		"	0.0658		57.5	30-140				
LCS (BH11374-BS2)	LCS							Prepared & Analyzed: 08/25/2021			
Aroclor 1016	0.314	0.0162	mg/kg wet	0.325		96.7	40-130				
Aroclor 1260	0.292	0.0162	"	0.325		90.0	40-130				
Surrogate: Tetrachloro-m-xylene	0.0558		"	0.0649		86.0	30-140				
Surrogate: Decachlorobiphenyl	0.0341		"	0.0649		52.5	30-140				
Matrix Spike (BH11374-MS2)	Matrix Spike	*Source sample: 21H0946-03 (SB22 9-10)						Prepared: 08/25/2021 Analyzed: 08/26/2021			
Aroclor 1016	0.102	0.0187	mg/kg dry	0.374	ND	27.3	40-140	Low Bias			
Aroclor 1260	0.306	0.0187	"	0.374	ND	81.8	40-140				
Surrogate: Tetrachloro-m-xylene	0.0598		"	0.0748		80.0	30-140				
Surrogate: Decachlorobiphenyl	0.0393		"	0.0748		52.5	30-140				
Matrix Spike Dup (BH11374-MS2)	Matrix Spike Dup	*Source sample: 21H0946-03 (SB22 9-10)						Prepared: 08/25/2021 Analyzed: 08/26/2021			
Aroclor 1016	0.133	0.0189	mg/kg dry	0.378	ND	35.3	40-140	Low Bias	26.3	50	
Aroclor 1260	0.322	0.0189	"	0.378	ND	85.3	40-140		5.18	50	
Surrogate: Tetrachloro-m-xylene	0.0536		"	0.0756		71.0	30-140				
Surrogate: Decachlorobiphenyl	0.0393		"	0.0756		52.0	30-140				



Polychlorinated Biphenyls by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch Y1H2442 - BH11235

Aroclor Reference (Y1H2442)- Aroclor Reference

Prepared & Analyzed: 08/24/2021

Surrogate: Tetrachloro-m-xylene	0.182		ug/mL	0.200		91.0					
Surrogate: Decachlorobiphenyl	0.166		"	0.200		83.0					

Batch Y1H2443 - BH10786

Aroclor Reference (Y1H2443)- Aroclor Reference

Prepared & Analyzed: 08/24/2021

Surrogate: Tetrachloro-m-xylene	0.198		ug/mL	0.200		99.0					
Surrogate: Decachlorobiphenyl	0.183		"	0.200		91.5					

Batch Y1H2553 - BH11374

Aroclor Reference (Y1H2553)- Aroclor Reference

Prepared & Analyzed: 08/25/2021

Surrogate: Tetrachloro-m-xylene	0.181		ug/mL	0.200		90.5					
Surrogate: Decachlorobiphenyl	0.152		"	0.200		76.0					



Metals by ICP - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH11316 - EPA 3050B

Blank (BH11316-BLK1)	Blank										Prepared: 08/24/2021 Analyzed: 08/25/2021	
Aluminum	ND	5.00	mg/kg wet									
Antimony	ND	2.50	"									
Arsenic	ND	1.50	"									
Barium	ND	2.50	"									
Beryllium	ND	0.050	"									
Cadmium	ND	0.300	"									
Calcium	11.2	5.00	"									
Chromium	ND	0.500	"									
Cobalt	ND	0.400	"									
Copper	ND	2.00	"									
Iron	ND	25.0	"									
Lead	ND	0.500	"									
Magnesium	ND	5.00	"									
Manganese	ND	0.500	"									
Nickel	ND	1.00	"									
Potassium	ND	5.00	"									
Selenium	ND	2.50	"									
Silver	ND	0.500	"									
Sodium	ND	50.0	"									
Thallium	ND	2.50	"									
Vanadium	ND	1.00	"									
Zinc	ND	2.50	"									

Duplicate (BH11316-DUP1)	Duplicate	*Source sample: 21H1046-03 (Duplicate)				Prepared: 08/24/2021 Analyzed: 08/26/2021				
Aluminum		10800	5.53	mg/kg dry		9910		8.33	35	Non-dir.
Antimony		ND	2.77	"		ND			35	
Arsenic		2.12	1.66	"		2.77		26.4	35	
Barium		157	2.77	"		60.2		89.3	35	
Beryllium		ND	0.055	"		ND			35	
Cadmium		ND	0.332	"		ND			35	
Calcium		3870	5.53	"		5010		25.7	35	
Chromium		23.2	0.553	"		20.9		10.4	35	
Cobalt		9.16	0.443	"		8.40		8.65	35	
Copper		23.7	2.21	"		21.7		8.68	35	
Iron		17500	27.7	"		16000		8.42	35	
Lead		47.6	0.553	"		35.5		29.2	35	
Magnesium		3580	5.53	"		4050		12.2	35	
Manganese		297	0.553	"		357		18.2	35	
Nickel		33.2	1.11	"		24.1		31.8	35	
Potassium		1800	5.53	"		1760		2.21	35	
Selenium		ND	2.77	"		ND			35	
Silver		ND	0.553	"		ND			35	
Sodium		533	55.3	"		518		2.83	35	
Thallium		ND	2.77	"		ND			35	
Vanadium		29.3	1.11	"		26.8		9.10	35	
Zinc		62.9	2.77	"		49.9		23.1	35	



Metals by ICP - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH11316 - EPA 3050B

Matrix Spike (BH11316-MS1)	Matrix Spike	*Source sample: 21H1046-03 (Matrix Spike)						Prepared: 08/24/2021 Analyzed: 08/26/2021			
Aluminum	10300	5.53	mg/kg dry	221	9910	173	75-125	High Bias			
Antimony	7.59	2.77	"	27.7	ND	27.4	75-125	Low Bias			
Arsenic	205	1.66	"	221	2.77	91.6	75-125				
Barium	312	2.77	"	221	60.2	114	75-125				
Beryllium	4.69	0.055	"	5.53	ND	84.9	75-125				
Cadmium	5.29	0.332	"	5.53	ND	95.6	75-125				
Calcium	4780	5.53	"	111	5010	NR	75-125	Low Bias			
Chromium	41.7	0.553	"	22.1	20.9	94.1	75-125				
Cobalt	64.5	0.443	"	55.3	8.40	101	75-125				
Copper	56.6	2.21	"	27.7	21.7	126	75-125	High Bias			
Iron	15800	27.7	"	111	16000	NR	75-125	Low Bias			
Lead	86.2	0.553	"	55.3	35.5	91.7	75-125				
Magnesium	3940	5.53	"	111	4050	NR	75-125	Low Bias			
Manganese	332	0.553	"	55.3	357	NR	75-125	Low Bias			
Nickel	80.2	1.11	"	55.3	24.1	102	75-125				
Potassium	1910	5.53	"	111	1760	137	75-125	High Bias			
Selenium	167	2.77	"	221	ND	75.5	75-125				
Silver	4.53	0.553	"	5.53	ND	81.9	75-125				
Sodium	677	55.3	"	111	518	144	75-125	High Bias			
Thallium	181	2.77	"	221	ND	81.9	75-125				
Vanadium	77.5	1.11	"	55.3	26.8	91.7	75-125				
Zinc	104	2.77	"	55.3	49.9	97.6	75-125				

Post Spike (BH11316-PS1)	Post Spike	*Source sample: 21H1046-03 (Post Spike)						Prepared: 08/24/2021 Analyzed: 08/26/2021			
Aluminum	97.6		ug/mL	2.00	89.5	405	75-125	High Bias			
Antimony	0.300		"	0.250	0.002	119	75-125				
Arsenic	1.95		"	2.00	0.025	96.0	75-125				
Barium	2.69		"	2.00	0.544	107	75-125				
Beryllium	0.045		"	0.0500	-0.005	90.0	75-125				
Cadmium	0.049		"	0.0500	0.0009	97.0	75-125				
Calcium	48.8		"	1.00	45.3	348	75-125	High Bias			
Chromium	0.399		"	0.200	0.189	105	75-125				
Cobalt	0.608		"	0.500	0.076	106	75-125				
Copper	0.472		"	0.250	0.196	110	75-125				
Iron	154		"	1.00	145	869	75-125	High Bias			
Lead	0.843		"	0.500	0.320	105	75-125				
Magnesium	39.6		"	1.00	36.6	305	75-125	High Bias			
Manganese	3.93		"	0.500	3.23	140	75-125	High Bias			
Nickel	0.765		"	0.500	0.218	110	75-125				
Potassium	18.3		"	1.00	15.9	239	75-125	High Bias			
Selenium	1.56		"	2.00	-0.118	77.8	75-125				
Silver	0.043		"	0.0500	-0.007	85.4	75-125				
Sodium	6.07		"	1.00	4.68	139	75-125	High Bias			
Thallium	1.77		"	2.00	-0.057	88.5	75-125				
Vanadium	0.762		"	0.500	0.242	104	75-125				
Zinc	0.976		"	0.500	0.451	105	75-125				



Metals by ICP - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH11316 - EPA 3050B

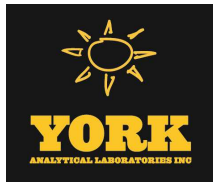
Reference (BH11316-SRM1)	Reference	Prepared: 08/24/2021 Analyzed: 08/25/2021									
Aluminum	10100	5.00	mg/kg wet	8130		124	49.9-150.1				
Antimony	93.7	2.50	"	134		69.9	19.3-250				
Arsenic	156	1.50	"	156		100	69.9-130.1				
Barium	254	2.50	"	239		106	74.9-124.7				
Beryllium	172	0.050	"	169		102	75.1-125.4				
Cadmium	131	0.300	"	137		95.5	75.2-124.8				
Calcium	5170	5.00	"	4760		109	72.7-127.5				
Chromium	158	0.500	"	154		103	70.1-129.9				
Cobalt	126	0.400	"	121		104	75-124.8				
Copper	60.6	2.00	"	54.9		110	74.9-125				
Iron	15300	25.0	"	14100		109	34.9-164.5				
Lead	125	0.500	"	130		96.0	71.8-128.5				
Magnesium	2520	5.00	"	2320		109	62.1-137.9				
Manganese	278	0.500	"	269		103	74-126.4				
Nickel	66.4	1.00	"	53.9		123	69.9-129.9				
Potassium	2460	5.00	"	2020		122	58.9-141.1				
Selenium	124	2.50	"	167		74.1	67.7-132.3				
Silver	32.6	0.500	"	33.6		97.0	68.5-131.3				
Sodium	180	50.0	"	133		135	35-165.4				
Thallium	103	2.50	"	112		91.7	67.9-131.3				
Vanadium	64.4	1.00	"	62.6		103	59.1-141.1				
Zinc	154	2.50	"	158		97.7	70.3-129.7				



Mercury by EPA 7000/200 Series Methods - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH11382 - EPA 7473 soil											
Blank (BH11382-BLK1)	Blank								Prepared & Analyzed: 08/25/2021		
Mercury	ND	0.0300	mg/kg wet								
Duplicate (BH11382-DUP1)	Duplicate	*Source sample: 21H0941-07 (Duplicate)							Prepared & Analyzed: 08/25/2021		
Mercury	0.504	0.0321	mg/kg dry		0.457				9.79	35	
Matrix Spike (BH11382-MS1)	Matrix Spike	*Source sample: 21H0941-07 (Matrix Spike)							Prepared & Analyzed: 08/25/2021		
Mercury	0.871		mg/kg	0.500	0.427	88.7	75-125				
Reference (BH11382-SRM1)	Reference								Prepared & Analyzed: 08/25/2021		
Mercury	24.964		mg/kg	27.2		91.8	59.9-140.1				



Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC Limits	Flag	RPD Limit	Flag

Batch BH11359 - % Solids Prep

Duplicate (BH11359-DUP1)	Duplicate	*Source sample: 21H0948-21 (Duplicate)					Prepared: 08/24/2021 Analyzed: 08/25/2021				
% Solids	80.8	0.100	%		79.8			1.35	20		



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
21H0946-01	SB20_1-2	40mL Vial with Stir Bar-Cool 4° C
21H0946-02	SB21_6-7	40mL Vial with Stir Bar-Cool 4° C
21H0946-03	SB22_9-10	40mL Vial with Stir Bar-Cool 4° C
21H0946-04	SB23_10-11	40mL Vial with Stir Bar-Cool 4° C
21H0946-05	SB24_1-2	40mL Vial with Stir Bar-Cool 4° C
21H0946-06	Trip Blank	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



Sample and Data Qualifiers Relating to This Work Order

S-08	The recovery of this surrogate was outside of QC limits.
QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data are acceptable.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
PCB-I	PCB calculations are based upon the average response of 5 peaks for each Aroclor. For this sample an interference was present and the analyst was unable to use all 5 peaks.
M-SPKM	The spike recovery is not within acceptance windows due to sample non-homogeneity, or matrix interference.
M-ICV1	The recovery for this element in the Initial Calibration Verification (ICV) exceeded 110% of the expected value. Positive detections may be biased high.
M-DUPS	The RPD between the native sample and the duplicate is outside of limits due to sample non-homogeneity
M-CRL	The RL check for this element recovered outside of control limits.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
ICV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration verification (recovery exceeded 30% of expected value).
CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.

Definitions and Other Explanations

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



- High Bias** High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
- Non-Dir.** Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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



NOTE: YORK's Standard Terms & Conditions are listed on the back side of this document. This document serves as your written authorization for YORK to proceed with the analyses requested below.

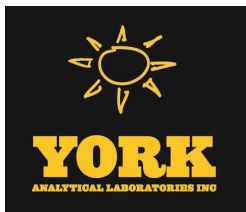
Field Chain-of-Custody Record

YORK Project No. 21H0946

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Page 1 of 1

YOUR INFORMATION			Report To:			Invoice To:			YOUR Project Number			Turn-Around Time		
Company:	Address:		Company:	Address:		Company:	Address:		170362002			RUSH - Next Day		
Address:	Address:		Address:	Address:		Address:	Address:		516-815-0055			RUSH - Two Day		
Phone:	Phone:		Phone:	Phone:		Phone:	Phone:		THOMAS SCHIEFER			RUSH - Three Day		
Contact:	Contact:		Contact:	Contact:		Contact:	Contact:		TSCHIEFER@LANGAN.COM			RUSH - Four Day		
E-mail:	E-mail:		E-mail:	E-mail:		E-mail:	E-mail:		YOUR PO#:			Standard (5-7 Day)		
Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.			Matrix Codes			Samples From			Report / EDD Type (circle selections)			YORK Reg. Comp.		
MICHAEL AD Samples Collected by: (print your name above and sign below) Michael A			S - soil / solid	☒	New York	Summary Report	CT RCP	Standard Excel EDD	Compared to the following Regulation(s): (please fill in)			Container Description		
			GW - groundwater	☐	New Jersey	QA Report	CT RCP DOA/DUE	EQUIS (Standard)						
			DW - drinking water	☐	Connecticut	NY ASP A Package	NJDEP Reduced Deliverables	NYSDEC EQUIS						
			WW - wastewater	☐	Pennsylvania	NY ASP B Package	NJDEP SRP HazSite							
			O - Oil ; Other	☐	Other		NJDKQP	Other:						
Sample Identification			Sample Matrix			Date/Time Sampled			Analysis Requested					
SB20-1-2			S			8/18/21 9:15								
SB21-6-7			S			9:50								
SB22-9-10			S			11:00								
SB23-10-11			S			12:00								
SB24-1-2			S			14:00								
Comments:			Preservation: (check all that apply)									Special Instruction		
			HCl MeOH HNO3 H2SO4 NaOH ZnAc									Field Filtered		
			Ascorbic Acid Other:									Lab to Filter		
Relinquished by / Company			Date/Time			Samples Relinquished by / Company			Date/Time					
MICHAEL AD / LANGAN			8/18/21 16:35			KEVIN			8/18/21 16:55					
Relinquished by / Company			Date/Time			Samples Relinquished by / Company			Date/Time					
MICHAEL AD / LANGAN			8/18/21 17:30			KEVIN			8/18/21 2000					
Relinquished by / Company			Date/Time			Samples Relinquished by / Company			Date/Time					
MICHAEL AD / LANGAN			8/18/21 17:30			KEVIN			8/18/21 2000					



Technical Report

prepared for:

Langan Engineering & Environmental Services (NYC)

21 Penn Plaza, 360 West 31st Street

New York NY, 10001

Attention: Albert Tashji

Report Date: 08/25/2021

Client Project ID: 170362002

York Project (SDG) No.: 21H0957



CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037

New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

Report Date: 08/25/2021
Client Project ID: 170362002
York Project (SDG) No.: 21H0957

Langan Engineering & Environmental Services (NYC)
21 Penn Plaza, 360 West 31st Street
New York NY, 10001
Attention: Albert Tashji

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on August 18, 2021 and listed below. The project was identified as your project: **170362002**.

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

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

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

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

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

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
21H0957-01	SV03_081821	Soil Vapor	08/18/2021	08/18/2021
21H0957-02	SV04_081821	Soil Vapor	08/18/2021	08/18/2021
21H0957-03	SV05_081821	Soil Vapor	08/18/2021	08/18/2021
21H0957-04	AA01_081821	Outdoor Ambient Ai	08/18/2021	08/18/2021

General Notes for York Project (SDG) No.: 21H0957

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

Approved By



Cassie L. Mosher
Laboratory Manager

Date: 08/25/2021





Sample Information

Client Sample ID: SV03_081821

York Sample ID: 21H0957-01

York Project (SDG) No.

21H0957

Client Project ID

170362002

Matrix

Soil Vapor

Collection Date/Time

August 18, 2021 1:55 pm

Date Received

08/18/2021

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m ³	6.1	8.89	EPA TO-15 Certifications:	08/23/2021 15:00	08/24/2021 10:00	LLJ
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	4.9	8.89	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 10:00	LLJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	6.1	8.89	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 10:00	LLJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	6.8	8.89	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 10:00	LLJ
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	4.9	8.89	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 10:00	LLJ
75-34-3	1,1-Dichloroethane	ND		ug/m ³	3.6	8.89	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 10:00	LLJ
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.88	8.89	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 10:00	LLJ
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	6.6	8.89	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 10:00	LLJ
95-63-6	1,2,4-Trimethylbenzene	10		ug/m ³	4.4	8.89	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 10:00	LLJ
106-93-4	1,2-Dibromoethane	ND		ug/m ³	6.8	8.89	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 10:00	LLJ
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	5.3	8.89	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 10:00	LLJ
107-06-2	1,2-Dichloroethane	ND		ug/m ³	3.6	8.89	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 10:00	LLJ
78-87-5	1,2-Dichloropropane	ND		ug/m ³	4.1	8.89	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 10:00	LLJ
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	6.2	8.89	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 10:00	LLJ
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m ³	4.4	8.89	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 10:00	LLJ
106-99-0	1,3-Butadiene	ND		ug/m ³	5.9	8.89	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 10:00	LLJ
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	5.3	8.89	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 10:00	LLJ
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	4.1	8.89	EPA TO-15 Certifications:	08/23/2021 15:00	08/24/2021 10:00	LLJ
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	5.3	8.89	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 10:00	LLJ
123-91-1	1,4-Dioxane	ND		ug/m ³	6.4	8.89	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 10:00	LLJ
78-93-3	2-Butanone	29		ug/m ³	2.6	8.89	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 10:00	LLJ



Sample Information

Client Sample ID: SV03_081821

York Sample ID: 21H0957-01

York Project (SDG) No.
21H0957

Client Project ID
170362002

Matrix
Soil Vapor

Collection Date/Time
August 18, 2021 1:55 pm

Date Received
08/18/2021

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	* 2-Hexanone	15		ug/m ³	7.3	8.89	EPA TO-15 Certifications:	08/23/2021 15:00	08/24/2021 10:00	LLJ
107-05-1	3-Chloropropene	ND		ug/m ³	14	8.89	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 10:00	LLJ
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	3.6	8.89	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 10:00	LLJ
67-64-1	Acetone	630		ug/m ³	4.2	8.89	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 10:00	LLJ
107-13-1	Acrylonitrile	ND		ug/m ³	1.9	8.89	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 10:00	LLJ
71-43-2	Benzene	ND		ug/m ³	2.8	8.89	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 10:00	LLJ
100-44-7	Benzyl chloride	ND		ug/m ³	4.6	8.89	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 10:00	LLJ
75-27-4	Bromodichloromethane	ND		ug/m ³	6.0	8.89	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 10:00	LLJ
75-25-2	Bromoform	ND		ug/m ³	9.2	8.89	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 10:00	LLJ
74-83-9	Bromomethane	ND		ug/m ³	3.5	8.89	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 10:00	LLJ
75-15-0	Carbon disulfide	4.4		ug/m ³	2.8	8.89	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 10:00	LLJ
56-23-5	Carbon tetrachloride	2.8		ug/m ³	1.4	8.89	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 10:00	LLJ
108-90-7	Chlorobenzene	ND		ug/m ³	4.1	8.89	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 10:00	LLJ
75-00-3	Chloroethane	ND		ug/m ³	2.3	8.89	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 10:00	LLJ
67-66-3	Chloroform	43		ug/m ³	4.3	8.89	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 10:00	LLJ
74-87-3	Chloromethane	ND		ug/m ³	1.8	8.89	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 10:00	LLJ
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	0.88	8.89	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 10:00	LLJ
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	4.0	8.89	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 10:00	LLJ
110-82-7	Cyclohexane	ND		ug/m ³	3.1	8.89	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 10:00	LLJ
124-48-1	Dibromochloromethane	ND		ug/m ³	7.6	8.89	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 10:00	LLJ
75-71-8	Dichlorodifluoromethane	ND		ug/m ³	4.4	8.89	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 10:00	LLJ
141-78-6	* Ethyl acetate	ND		ug/m ³	6.4	8.89	EPA TO-15 Certifications:	08/23/2021 15:00	08/24/2021 10:00	LLJ



Sample Information

Client Sample ID: SV03_081821

York Sample ID: 21H0957-01

York Project (SDG) No.
21H0957

Client Project ID
170362002

Matrix
Soil Vapor

Collection Date/Time
August 18, 2021 1:55 pm

Date Received
08/18/2021

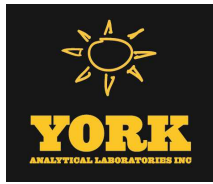
Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/m ³	3.9	8.89	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 10:00	LLJ
87-68-3	Hexachlorobutadiene	ND		ug/m ³	9.5	8.89	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 10:00	LLJ
67-63-0	Isopropanol	ND		ug/m ³	4.4	8.89	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 10:00	LLJ
80-62-6	Methyl Methacrylate	ND		ug/m ³	3.6	8.89	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 10:00	LLJ
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	3.2	8.89	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 10:00	LLJ
75-09-2	Methylene chloride	ND		ug/m ³	6.2	8.89	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 10:00	LLJ
142-82-5	n-Heptane	ND		ug/m ³	3.6	8.89	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 10:00	LLJ
110-54-3	n-Hexane	4.1		ug/m ³	3.1	8.89	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 10:00	LLJ
95-47-6	o-Xylene	7.3		ug/m ³	3.9	8.89	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 10:00	LLJ
179601-23-1	p- & m- Xylenes	19		ug/m ³	7.7	8.89	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 10:00	LLJ
622-96-8	* p-Ethyltoluene	7.9		ug/m ³	4.4	8.89	EPA TO-15 Certifications:	08/23/2021 15:00	08/24/2021 10:00	LLJ
115-07-1	* Propylene	6.4		ug/m ³	1.5	8.89	EPA TO-15 Certifications:	08/23/2021 15:00	08/24/2021 10:00	LLJ
100-42-5	Styrene	ND		ug/m ³	3.8	8.89	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 10:00	LLJ
127-18-4	Tetrachloroethylene	150		ug/m ³	6.0	8.89	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 10:00	LLJ
109-99-9	* Tetrahydrofuran	ND		ug/m ³	5.2	8.89	EPA TO-15 Certifications:	08/23/2021 15:00	08/24/2021 10:00	LLJ
108-88-3	Toluene	12		ug/m ³	3.4	8.89	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 10:00	LLJ
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	3.5	8.89	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 10:00	LLJ
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	4.0	8.89	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 10:00	LLJ
79-01-6	Trichloroethylene	ND		ug/m ³	1.2	8.89	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 10:00	LLJ
75-69-4	Trichlorofluoromethane (Freon 11)	12		ug/m ³	5.0	8.89	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 10:00	LLJ
108-05-4	Vinyl acetate	ND		ug/m ³	3.1	8.89	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 10:00	LLJ
593-60-2	Vinyl bromide	ND		ug/m ³	3.9	8.89	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 10:00	LLJ



Sample Information

Client Sample ID: SV03_081821

York Sample ID: 21H0957-01

York Project (SDG) No.

21H0957

Client Project ID

170362002

Matrix

Soil Vapor

Collection Date/Time

August 18, 2021 1:55 pm

Date Received

08/18/2021

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/m ³	1.1	8.89	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 10:00	LLJ



Sample Information

Client Sample ID: SV04_081821

York Sample ID: 21H0957-02

York Project (SDG) No.
21H0957

Client Project ID
170362002

Matrix
Soil Vapor

Collection Date/Time
August 18, 2021 3:10 pm

Date Received
08/18/2021

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m ³	5.9	8.61	EPA TO-15 Certifications:	08/23/2021 15:00	08/24/2021 05:48	LLJ
71-55-6	1,1,1-Trichloroethane	43		ug/m ³	4.7	8.61	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 05:48	LLJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	5.9	8.61	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 05:48	LLJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	6.6	8.61	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 05:48	LLJ
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	4.7	8.61	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 05:48	LLJ
75-34-3	1,1-Dichloroethane	ND		ug/m ³	3.5	8.61	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 05:48	LLJ
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.85	8.61	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 05:48	LLJ
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	6.4	8.61	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 05:48	LLJ
95-63-6	1,2,4-Trimethylbenzene	9.3		ug/m ³	4.2	8.61	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 05:48	LLJ
106-93-4	1,2-Dibromoethane	ND		ug/m ³	6.6	8.61	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 05:48	LLJ
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	5.2	8.61	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 05:48	LLJ
107-06-2	1,2-Dichloroethane	ND		ug/m ³	3.5	8.61	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 05:48	LLJ
78-87-5	1,2-Dichloropropane	ND		ug/m ³	4.0	8.61	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 05:48	LLJ
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	6.0	8.61	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 05:48	LLJ
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m ³	4.2	8.61	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 05:48	LLJ
106-99-0	1,3-Butadiene	ND		ug/m ³	5.7	8.61	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 05:48	LLJ
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	5.2	8.61	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 05:48	LLJ
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	4.0	8.61	EPA TO-15 Certifications:	08/23/2021 15:00	08/24/2021 05:48	LLJ
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	5.2	8.61	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 05:48	LLJ
123-91-1	1,4-Dioxane	ND		ug/m ³	6.2	8.61	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 05:48	LLJ
78-93-3	2-Butanone	31		ug/m ³	2.5	8.61	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 05:48	LLJ
591-78-6	* 2-Hexanone	12		ug/m ³	7.1	8.61	EPA TO-15 Certifications:	08/23/2021 15:00	08/24/2021 05:48	LLJ



Sample Information

Client Sample ID: SV04_081821

York Sample ID: 21H0957-02

York Project (SDG) No.
21H0957

Client Project ID
170362002

Matrix
Soil Vapor

Collection Date/Time
August 18, 2021 3:10 pm

Date Received
08/18/2021

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-05-1	3-Chloropropene	ND		ug/m ³	13	8.61	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 05:48	LLJ
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	3.5	8.61	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 05:48	LLJ
67-64-1	Acetone	480		ug/m ³	4.1	8.61	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 05:48	LLJ
107-13-1	Acrylonitrile	ND		ug/m ³	1.9	8.61	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 05:48	LLJ
71-43-2	Benzene	2.8		ug/m ³	2.8	8.61	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 05:48	LLJ
100-44-7	Benzyl chloride	ND		ug/m ³	4.5	8.61	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 05:48	LLJ
75-27-4	Bromodichloromethane	ND		ug/m ³	5.8	8.61	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 05:48	LLJ
75-25-2	Bromoform	ND		ug/m ³	8.9	8.61	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 05:48	LLJ
74-83-9	Bromomethane	ND		ug/m ³	3.3	8.61	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 05:48	LLJ
75-15-0	Carbon disulfide	ND		ug/m ³	2.7	8.61	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 05:48	LLJ
56-23-5	Carbon tetrachloride	ND		ug/m ³	1.4	8.61	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 05:48	LLJ
108-90-7	Chlorobenzene	ND		ug/m ³	4.0	8.61	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 05:48	LLJ
75-00-3	Chloroethane	ND		ug/m ³	2.3	8.61	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 05:48	LLJ
67-66-3	Chloroform	7.1		ug/m ³	4.2	8.61	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 05:48	LLJ
74-87-3	Chloromethane	ND		ug/m ³	1.8	8.61	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 05:48	LLJ
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	0.85	8.61	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 05:48	LLJ
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	3.9	8.61	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 05:48	LLJ
110-82-7	Cyclohexane	ND		ug/m ³	3.0	8.61	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 05:48	LLJ
124-48-1	Dibromochloromethane	ND		ug/m ³	7.3	8.61	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 05:48	LLJ
75-71-8	Dichlorodifluoromethane	ND		ug/m ³	4.3	8.61	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 05:48	LLJ
141-78-6	* Ethyl acetate	ND		ug/m ³	6.2	8.61	EPA TO-15 Certifications:	08/23/2021 15:00	08/24/2021 05:48	LLJ
100-41-4	Ethyl Benzene	ND		ug/m ³	3.7	8.61	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 05:48	LLJ



Sample Information

Client Sample ID: SV04_081821

York Sample ID: 21H0957-02

York Project (SDG) No.
21H0957

Client Project ID
170362002

Matrix
Soil Vapor

Collection Date/Time
August 18, 2021 3:10 pm

Date Received
08/18/2021

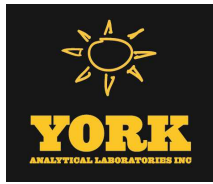
Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-68-3	Hexachlorobutadiene	ND		ug/m ³	9.2	8.61	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 05:48	LLJ
67-63-0	Isopropanol	5.3		ug/m ³	4.2	8.61	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 05:48	LLJ
80-62-6	Methyl Methacrylate	ND		ug/m ³	3.5	8.61	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 05:48	LLJ
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	3.1	8.61	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 05:48	LLJ
75-09-2	Methylene chloride	13		ug/m ³	6.0	8.61	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 05:48	LLJ
142-82-5	n-Heptane	4.6		ug/m ³	3.5	8.61	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 05:48	LLJ
110-54-3	n-Hexane	6.7		ug/m ³	3.0	8.61	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 05:48	LLJ
95-47-6	o-Xylene	6.0		ug/m ³	3.7	8.61	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 05:48	LLJ
179601-23-1	p- & m- Xylenes	16		ug/m ³	7.5	8.61	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 05:48	LLJ
622-96-8	* p-Ethyltoluene	6.8		ug/m ³	4.2	8.61	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 05:48	LLJ
115-07-1	* Propylene	22		ug/m ³	1.5	8.61	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 05:48	LLJ
100-42-5	Styrene	ND		ug/m ³	3.7	8.61	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 05:48	LLJ
127-18-4	Tetrachloroethylene	1800		ug/m ³	5.8	8.61	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 05:48	LLJ
109-99-9	* Tetrahydrofuran	ND		ug/m ³	5.1	8.61	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 05:48	LLJ
108-88-3	Toluene	14		ug/m ³	3.2	8.61	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 05:48	LLJ
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	3.4	8.61	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 05:48	LLJ
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	3.9	8.61	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 05:48	LLJ
79-01-6	Trichloroethylene	3.7		ug/m ³	1.2	8.61	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 05:48	LLJ
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m ³	4.8	8.61	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 05:48	LLJ
108-05-4	Vinyl acetate	ND		ug/m ³	3.0	8.61	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 05:48	LLJ
593-60-2	Vinyl bromide	ND		ug/m ³	3.8	8.61	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 05:48	LLJ
75-01-4	Vinyl Chloride	ND		ug/m ³	1.1	8.61	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 05:48	LLJ



Sample Information

Client Sample ID: SV04_081821

York Sample ID: 21H0957-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21H0957

170362002

Soil Vapor

August 18, 2021 3:10 pm

08/18/2021



Sample Information

Client Sample ID: SV05_081821

York Sample ID: 21H0957-03

York Project (SDG) No.
21H0957

Client Project ID
170362002

Matrix
Soil Vapor

Collection Date/Time
August 18, 2021 4:24 pm

Date Received
08/18/2021

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m ³	5.3	7.695	EPA TO-15 Certifications:	08/23/2021 15:00	08/24/2021 06:45	LLJ
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	4.2	7.695	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 06:45	LLJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	5.3	7.695	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 06:45	LLJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	5.9	7.695	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 06:45	LLJ
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	4.2	7.695	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 06:45	LLJ
75-34-3	1,1-Dichloroethane	ND		ug/m ³	3.1	7.695	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 06:45	LLJ
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.76	7.695	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 06:45	LLJ
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	5.7	7.695	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 06:45	LLJ
95-63-6	1,2,4-Trimethylbenzene	10		ug/m ³	3.8	7.695	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 06:45	LLJ
106-93-4	1,2-Dibromoethane	ND		ug/m ³	5.9	7.695	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 06:45	LLJ
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	4.6	7.695	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 06:45	LLJ
107-06-2	1,2-Dichloroethane	ND		ug/m ³	3.1	7.695	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 06:45	LLJ
78-87-5	1,2-Dichloropropane	ND		ug/m ³	3.6	7.695	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 06:45	LLJ
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	5.4	7.695	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 06:45	LLJ
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m ³	3.8	7.695	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 06:45	LLJ
106-99-0	1,3-Butadiene	21		ug/m ³	5.1	7.695	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 06:45	LLJ
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	4.6	7.695	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 06:45	LLJ
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	3.6	7.695	EPA TO-15 Certifications:	08/23/2021 15:00	08/24/2021 06:45	LLJ
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	4.6	7.695	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 06:45	LLJ
123-91-1	1,4-Dioxane	7.8		ug/m ³	5.5	7.695	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 06:45	LLJ
78-93-3	2-Butanone	63		ug/m ³	2.3	7.695	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 06:45	LLJ
591-78-6	* 2-Hexanone	20		ug/m ³	6.3	7.695	EPA TO-15 Certifications:	08/23/2021 15:00	08/24/2021 06:45	LLJ



Sample Information

Client Sample ID: SV05_081821

York Sample ID: 21H0957-03

York Project (SDG) No.
21H0957

Client Project ID
170362002

Matrix
Soil Vapor

Collection Date/Time
August 18, 2021 4:24 pm

Date Received
08/18/2021

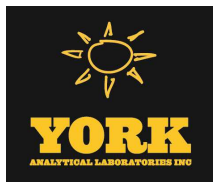
Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-05-1	3-Chloropropene	ND		ug/m ³	12	7.695	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 06:45	LLJ
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	3.2	7.695	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 06:45	LLJ
67-64-1	Acetone	910		ug/m ³	3.7	7.695	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 06:45	LLJ
107-13-1	Acrylonitrile	ND		ug/m ³	1.7	7.695	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 06:45	LLJ
71-43-2	Benzene	17		ug/m ³	2.5	7.695	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 06:45	LLJ
100-44-7	Benzyl chloride	ND		ug/m ³	4.0	7.695	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 06:45	LLJ
75-27-4	Bromodichloromethane	ND		ug/m ³	5.2	7.695	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 06:45	LLJ
75-25-2	Bromoform	ND		ug/m ³	8.0	7.695	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 06:45	LLJ
74-83-9	Bromomethane	ND		ug/m ³	3.0	7.695	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 06:45	LLJ
75-15-0	Carbon disulfide	160		ug/m ³	2.4	7.695	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 06:45	LLJ
56-23-5	Carbon tetrachloride	2.4		ug/m ³	1.2	7.695	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 06:45	LLJ
108-90-7	Chlorobenzene	ND		ug/m ³	3.5	7.695	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 06:45	LLJ
75-00-3	Chloroethane	5.1		ug/m ³	2.0	7.695	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 06:45	LLJ
67-66-3	Chloroform	30		ug/m ³	3.8	7.695	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 06:45	LLJ
74-87-3	Chloromethane	11		ug/m ³	1.6	7.695	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 06:45	LLJ
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	0.76	7.695	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 06:45	LLJ
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	3.5	7.695	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 06:45	LLJ
110-82-7	Cyclohexane	10		ug/m ³	2.6	7.695	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 06:45	LLJ
124-48-1	Dibromochloromethane	ND		ug/m ³	6.6	7.695	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 06:45	LLJ
75-71-8	Dichlorodifluoromethane	9.5		ug/m ³	3.8	7.695	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 06:45	LLJ
141-78-6	* Ethyl acetate	ND		ug/m ³	5.5	7.695	EPA TO-15 Certifications:	08/23/2021 15:00	08/24/2021 06:45	LLJ
100-41-4	Ethyl Benzene	13		ug/m ³	3.3	7.695	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 06:45	LLJ



Sample Information

Client Sample ID: SV05_081821

York Sample ID: 21H0957-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21H0957

170362002

Soil Vapor

August 18, 2021 4:24 pm

08/18/2021

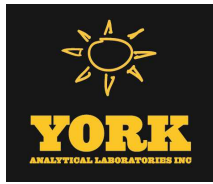
Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-68-3	Hexachlorobutadiene	ND		ug/m ³	8.2	7.695	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 06:45	LLJ
67-63-0	Isopropanol	23		ug/m ³	3.8	7.695	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 06:45	LLJ
80-62-6	Methyl Methacrylate	7.9		ug/m ³	3.2	7.695	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 06:45	LLJ
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	2.8	7.695	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 06:45	LLJ
75-09-2	Methylene chloride	ND		ug/m ³	5.3	7.695	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 06:45	LLJ
142-82-5	n-Heptane	8.5		ug/m ³	3.2	7.695	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 06:45	LLJ
110-54-3	n-Hexane	17		ug/m ³	2.7	7.695	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 06:45	LLJ
95-47-6	o-Xylene	11		ug/m ³	3.3	7.695	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 06:45	LLJ
179601-23-1	p- & m- Xylenes	26		ug/m ³	6.7	7.695	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 06:45	LLJ
622-96-8	* p-Ethyltoluene	9.1		ug/m ³	3.8	7.695	EPA TO-15 Certifications:	08/23/2021 15:00	08/24/2021 06:45	LLJ
115-07-1	* Propylene	610		ug/m ³	1.3	7.695	EPA TO-15 Certifications:	08/23/2021 15:00	08/24/2021 06:45	LLJ
100-42-5	Styrene	ND		ug/m ³	3.3	7.695	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 06:45	LLJ
127-18-4	Tetrachloroethylene	ND		ug/m ³	5.2	7.695	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 06:45	LLJ
109-99-9	* Tetrahydrofuran	ND		ug/m ³	4.5	7.695	EPA TO-15 Certifications:	08/23/2021 15:00	08/24/2021 06:45	LLJ
108-88-3	Toluene	26		ug/m ³	2.9	7.695	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 06:45	LLJ
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	3.1	7.695	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 06:45	LLJ
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	3.5	7.695	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 06:45	LLJ
79-01-6	Trichloroethylene	ND		ug/m ³	1.0	7.695	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 06:45	LLJ
75-69-4	Trichlorofluoromethane (Freon 11)	5.6		ug/m ³	4.3	7.695	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 06:45	LLJ
108-05-4	Vinyl acetate	ND		ug/m ³	2.7	7.695	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 06:45	LLJ
593-60-2	Vinyl bromide	ND		ug/m ³	3.4	7.695	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 06:45	LLJ
75-01-4	Vinyl Chloride	ND		ug/m ³	0.98	7.695	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 06:45	LLJ



Sample Information

Client Sample ID: SV05_081821

York Sample ID: 21H0957-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21H0957

170362002

Soil Vapor

August 18, 2021 4:24 pm

08/18/2021



Sample Information

Client Sample ID: AA01_081821

York Sample ID: 21H0957-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21H0957

170362002

Outdoor Ambient Air

August 18, 2021 1:55 pm

08/18/2021

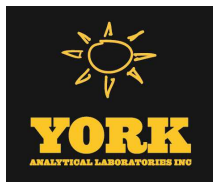
Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m ³	0.63	0.924	EPA TO-15 Certifications:	08/23/2021 15:00	08/24/2021 07:54	LLJ
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	0.50	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 07:54	LLJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	0.63	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 07:54	LLJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	0.71	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 07:54	LLJ
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	0.50	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 07:54	LLJ
75-34-3	1,1-Dichloroethane	ND		ug/m ³	0.37	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 07:54	LLJ
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.092	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 07:54	LLJ
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	0.69	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 07:54	LLJ
95-63-6	1,2,4-Trimethylbenzene	0.59		ug/m ³	0.45	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 07:54	LLJ
106-93-4	1,2-Dibromoethane	ND		ug/m ³	0.71	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 07:54	LLJ
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	0.56	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 07:54	LLJ
107-06-2	1,2-Dichloroethane	ND		ug/m ³	0.37	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 07:54	LLJ
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.43	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 07:54	LLJ
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	0.65	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 07:54	LLJ
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m ³	0.45	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 07:54	LLJ
106-99-0	1,3-Butadiene	ND		ug/m ³	0.61	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 07:54	LLJ
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	0.56	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 07:54	LLJ
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	0.43	0.924	EPA TO-15 Certifications:	08/23/2021 15:00	08/24/2021 07:54	LLJ
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	0.56	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 07:54	LLJ
123-91-1	1,4-Dioxane	ND		ug/m ³	0.67	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 07:54	LLJ
78-93-3	2-Butanone	0.87		ug/m ³	0.27	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 07:54	LLJ
591-78-6	* 2-Hexanone	ND		ug/m ³	0.76	0.924	EPA TO-15 Certifications:	08/23/2021 15:00	08/24/2021 07:54	LLJ



Sample Information

Client Sample ID: AA01_081821

York Sample ID: 21H0957-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21H0957

170362002

Outdoor Ambient Air

August 18, 2021 1:55 pm

08/18/2021

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-05-1	3-Chloropropene	ND		ug/m ³	1.4	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 07:54	LLJ
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	0.38	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 07:54	LLJ
67-64-1	Acetone	8.3		ug/m ³	0.44	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 07:54	LLJ
107-13-1	Acrylonitrile	ND		ug/m ³	0.20	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 07:54	LLJ
71-43-2	Benzene	0.74		ug/m ³	0.30	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 07:54	LLJ
100-44-7	Benzyl chloride	ND		ug/m ³	0.48	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 07:54	LLJ
75-27-4	Bromodichloromethane	ND		ug/m ³	0.62	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 07:54	LLJ
75-25-2	Bromoform	ND		ug/m ³	0.96	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 07:54	LLJ
74-83-9	Bromomethane	ND		ug/m ³	0.36	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 07:54	LLJ
75-15-0	Carbon disulfide	ND		ug/m ³	0.29	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 07:54	LLJ
56-23-5	Carbon tetrachloride	0.47		ug/m ³	0.15	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 07:54	LLJ
108-90-7	Chlorobenzene	ND		ug/m ³	0.43	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 07:54	LLJ
75-00-3	Chloroethane	ND		ug/m ³	0.24	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 07:54	LLJ
67-66-3	Chloroform	ND		ug/m ³	0.45	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 07:54	LLJ
74-87-3	Chloromethane	1.3		ug/m ³	0.19	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 07:54	LLJ
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	0.092	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 07:54	LLJ
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.42	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 07:54	LLJ
110-82-7	Cyclohexane	0.35		ug/m ³	0.32	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 07:54	LLJ
124-48-1	Dibromochloromethane	ND		ug/m ³	0.79	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 07:54	LLJ
75-71-8	Dichlorodifluoromethane	2.6		ug/m ³	0.46	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 07:54	LLJ
141-78-6	* Ethyl acetate	ND		ug/m ³	0.67	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 07:54	LLJ
100-41-4	Ethyl Benzene	0.40		ug/m ³	0.40	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 07:54	LLJ



Sample Information

Client Sample ID: AA01_081821

York Sample ID: 21H0957-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21H0957

170362002

Outdoor Ambient Air

August 18, 2021 1:55 pm

08/18/2021

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-68-3	Hexachlorobutadiene	ND		ug/m ³	0.99	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 07:54	LLJ
67-63-0	Isopropanol	4.0		ug/m ³	0.45	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 07:54	LLJ
80-62-6	Methyl Methacrylate	1.7		ug/m ³	0.38	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 07:54	LLJ
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	0.33	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 07:54	LLJ
75-09-2	Methylene chloride	9.9		ug/m ³	0.64	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 07:54	LLJ
142-82-5	n-Heptane	0.49		ug/m ³	0.38	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 07:54	LLJ
110-54-3	n-Hexane	1.4		ug/m ³	0.33	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 07:54	LLJ
95-47-6	o-Xylene	0.56		ug/m ³	0.40	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 07:54	LLJ
179601-23-1	p- & m- Xylenes	1.6		ug/m ³	0.80	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 07:54	LLJ
622-96-8	* p-Ethyltoluene	0.50		ug/m ³	0.45	0.924	EPA TO-15 Certifications:	08/23/2021 15:00	08/24/2021 07:54	LLJ
115-07-1	* Propylene	ND		ug/m ³	0.16	0.924	EPA TO-15 Certifications:	08/23/2021 15:00	08/24/2021 07:54	LLJ
100-42-5	Styrene	ND		ug/m ³	0.39	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 07:54	LLJ
127-18-4	Tetrachloroethylene	4.2		ug/m ³	0.63	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 07:54	LLJ
109-99-9	* Tetrahydrofuran	ND		ug/m ³	0.55	0.924	EPA TO-15 Certifications:	08/23/2021 15:00	08/24/2021 07:54	LLJ
108-88-3	Toluene	4.4		ug/m ³	0.35	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 07:54	LLJ
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	0.37	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 07:54	LLJ
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.42	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 07:54	LLJ
79-01-6	Trichloroethylene	ND		ug/m ³	0.12	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 07:54	LLJ
75-69-4	Trichlorofluoromethane (Freon 11)	1.3		ug/m ³	0.52	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 07:54	LLJ
108-05-4	Vinyl acetate	ND		ug/m ³	0.33	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 07:54	LLJ
593-60-2	Vinyl bromide	ND		ug/m ³	0.40	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 07:54	LLJ
75-01-4	Vinyl Chloride	ND		ug/m ³	0.12	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 07:54	LLJ



Sample Information

Client Sample ID: AA01_081821

York Sample ID: 21H0957-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

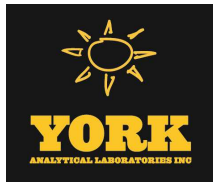
21H0957

170362002

Outdoor Ambient Air

August 18, 2021 1:55 pm

08/18/2021



Analytical Batch Summary

Batch ID: BH11282

Preparation Method: EPA TO15 PREP

Prepared By: TL

YORK Sample ID	Client Sample ID	Preparation Date
21H0957-01	SV03_081821	08/23/21
21H0957-02	SV04_081821	08/23/21
21H0957-03	SV05_081821	08/23/21
21H0957-04	AA01_081821	08/23/21
BH11282-BLK1	Blank	08/23/21
BH11282-BS1	LCS	08/23/21
BH11282-DUP1	Duplicate	08/23/21



Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH11282 - EPA TO15 PREP

Blank (BH11282-BLK1)	Blank	Prepared: 08/23/2021 Analyzed: 08/24/2021									
1,1,1,2-Tetrachloroethane	ND	0.69	ug/m ³								
1,1,1-Trichloroethane	ND	0.55	"								
1,1,2,2-Tetrachloroethane	ND	0.69	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.77	"								
1,1,2-Trichloroethane	ND	0.55	"								
1,1-Dichloroethane	ND	0.40	"								
1,1-Dichloroethylene	ND	0.099	"								
1,2,4-Trichlorobenzene	ND	0.74	"								
1,2,4-Trimethylbenzene	ND	0.49	"								
1,2-Dibromoethane	ND	0.77	"								
1,2-Dichlorobenzene	ND	0.60	"								
1,2-Dichloroethane	ND	0.40	"								
1,2-Dichloropropane	ND	0.46	"								
1,2-Dichlorotetrafluoroethane	ND	0.70	"								
1,3,5-Trimethylbenzene	ND	0.49	"								
1,3-Butadiene	ND	0.66	"								
1,3-Dichlorobenzene	ND	0.60	"								
1,3-Dichloropropane	ND	0.46	"								
1,4-Dichlorobenzene	ND	0.60	"								
1,4-Dioxane	ND	0.72	"								
2-Butanone	ND	0.29	"								
2-Hexanone	ND	0.82	"								
3-Chloropropene	ND	1.6	"								
4-Methyl-2-pentanone	ND	0.41	"								
Acetone	ND	0.48	"								
Acrylonitrile	ND	0.22	"								
Benzene	ND	0.32	"								
Benzyl chloride	ND	0.52	"								
Bromodichloromethane	ND	0.67	"								
Bromoform	ND	1.0	"								
Bromomethane	ND	0.39	"								
Carbon disulfide	ND	0.31	"								
Carbon tetrachloride	ND	0.16	"								
Chlorobenzene	ND	0.46	"								
Chloroethane	ND	0.26	"								
Chloroform	ND	0.49	"								
Chloromethane	ND	0.21	"								
cis-1,2-Dichloroethylene	ND	0.099	"								
cis-1,3-Dichloropropylene	ND	0.45	"								
Cyclohexane	ND	0.34	"								
Dibromochloromethane	ND	0.85	"								
Dichlorodifluoromethane	ND	0.49	"								
Ethyl acetate	ND	0.72	"								
Ethyl Benzene	ND	0.43	"								
Hexachlorobutadiene	ND	1.1	"								
Isopropanol	ND	0.49	"								
Methyl Methacrylate	ND	0.41	"								
Methyl tert-butyl ether (MTBE)	ND	0.36	"								
Methylene chloride	ND	0.69	"								
n-Heptane	ND	0.41	"								



Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH11282 - EPA TO15 PREP

Blank (BH11282-BLK1)	Blank										Prepared: 08/23/2021 Analyzed: 08/24/2021
n-Hexane	ND	0.35	ug/m ³								
o-Xylene	ND	0.43	"								
p- & m- Xylenes	ND	0.87	"								
p-Ethyltoluene	ND	0.49	"								
Propylene	ND	0.17	"								
Styrene	ND	0.43	"								
Tetrachloroethylene	ND	0.68	"								
Tetrahydrofuran	ND	0.59	"								
Toluene	ND	0.38	"								
trans-1,2-Dichloroethylene	ND	0.40	"								
trans-1,3-Dichloropropylene	ND	0.45	"								
Trichloroethylene	ND	0.13	"								
Trichlorofluoromethane (Freon 11)	ND	0.56	"								
Vinyl acetate	ND	0.35	"								
Vinyl bromide	ND	0.44	"								
Vinyl Chloride	ND	0.13	"								

LCS (BH11282-BS1)	LCS										Prepared: 08/23/2021 Analyzed: 08/24/2021
1,1,1,2-Tetrachloroethane	10.4		ppbv	10.0		104	70-130				
1,1,1-Trichloroethane	10.1		"	10.0		101	70-130				
1,1,2,2-Tetrachloroethane	11.4		"	10.0		114	70-130				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.2		"	10.0		102	70-130				
1,1,2-Trichloroethane	11.2		"	10.0		112	70-130				
1,1-Dichloroethane	10.3		"	10.0		103	70-130				
1,1-Dichloroethylene	10.0		"	10.0		100	70-130				
1,2,4-Trichlorobenzene	8.37		"	10.0		83.7	70-130				
1,2,4-Trimethylbenzene	11.2		"	10.0		112	70-130				
1,2-Dibromoethane	11.2		"	10.0		112	70-130				
1,2-Dichlorobenzene	10.3		"	10.0		103	70-130				
1,2-Dichloroethane	10.1		"	10.0		101	70-130				
1,2-Dichloropropane	11.4		"	10.0		114	70-130				
1,2-Dichlorotetrafluoroethane	8.94		"	10.0		89.4	70-130				
1,3,5-Trimethylbenzene	11.0		"	10.0		110	70-130				
1,3-Butadiene	8.98		"	10.0		89.8	70-130				
1,3-Dichlorobenzene	10.5		"	10.0		105	70-130				
1,3-Dichloropropane	11.2		"	10.0		112	70-130				
1,4-Dichlorobenzene	10.5		"	10.0		105	70-130				
1,4-Dioxane	11.0		"	10.0		110	70-130				
2-Butanone	10.2		"	10.0		102	70-130				
2-Hexanone	11.5		"	10.0		115	70-130				
3-Chloropropene	10.4		"	10.0		104	70-130				
4-Methyl-2-pentanone	11.3		"	10.0		113	70-130				
Acetone	10.2		"	10.0		102	70-130				
Acrylonitrile	10.7		"	10.0		107	70-130				
Benzene	10.7		"	10.0		107	70-130				
Benzyl chloride	9.97		"	10.0		99.7	70-130				
Bromodichloromethane	11.2		"	10.0		112	70-130				
Bromoform	11.0		"	10.0		110	70-130				
Bromomethane	10.2		"	10.0		102	70-130				
Carbon disulfide	10.3		"	10.0		103	70-130				
Carbon tetrachloride	10.4		"	10.0		104	70-130				



Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH11282 - EPA TO15 PREP

LCS (BH11282-BS1)	LCS	Prepared: 08/23/2021 Analyzed: 08/24/2021									
Chlorobenzene	10.7		ppbv	10.0		107	70-130				
Chloroethane	10.8		"	10.0		108	70-130				
Chloroform	10.3		"	10.0		103	70-130				
Chloromethane	9.95		"	10.0		99.5	70-130				
cis-1,2-Dichloroethylene	9.96		"	10.0		99.6	70-130				
cis-1,3-Dichloropropylene	11.6		"	10.0		116	70-130				
Cyclohexane	10.8		"	10.0		108	70-130				
Dibromochloromethane	11.0		"	10.0		110	70-130				
Dichlorodifluoromethane	9.65		"	10.0		96.5	70-130				
Ethyl acetate	10.7		"	10.0		107	70-130				
Ethyl Benzene	11.1		"	10.0		111	70-130				
Hexachlorobutadiene	9.26		"	10.0		92.6	70-130				
Isopropanol	9.39		"	10.0		93.9	70-130				
Methyl Methacrylate	11.5		"	10.0		115	70-130				
Methyl tert-butyl ether (MTBE)	10.4		"	10.0		104	70-130				
Methylene chloride	10.4		"	10.0		104	70-130				
n-Heptane	10.6		"	10.0		106	70-130				
n-Hexane	10.3		"	10.0		103	70-130				
o-Xylene	11.0		"	10.0		110	70-130				
p- & m- Xylenes	22.3		"	20.0		112	70-130				
p-Ethyltoluene	11.5		"	10.0		115	70-130				
Propylene	9.42		"	10.0		94.2	70-130				
Styrene	11.3		"	10.0		113	70-130				
Tetrachloroethylene	9.26		"	10.0		92.6	70-130				
Tetrahydrofuran	10.3		"	10.0		103	70-130				
Toluene	10.8		"	10.0		108	70-130				
trans-1,2-Dichloroethylene	10.5		"	10.0		105	70-130				
trans-1,3-Dichloropropylene	11.7		"	10.0		117	70-130				
Trichloroethylene	10.4		"	10.0		104	70-130				
Trichlorofluoromethane (Freon 11)	9.76		"	10.0		97.6	70-130				
Vinyl acetate	10.1		"	10.0		101	70-130				
Vinyl bromide	10.5		"	10.0		105	70-130				
Vinyl Chloride	8.93		"	10.0		89.3	70-130				



Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH11282 - EPA TO15 PREP											
Duplicate (BH11282-DUP1)	Duplicate	*Source sample: 21H0957-04 (AA01_081821)						Prepared: 08/23/2021 Analyzed: 08/24/2021			
1,1,1,2-Tetrachloroethane	ND	0.63	ug/m ³		ND					25	
1,1,1-Trichloroethane	ND	0.50	"		ND					25	
1,1,2,2-Tetrachloroethane	ND	0.63	"		ND					25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.71	"		ND					25	
1,1,2-Trichloroethane	ND	0.50	"		ND					25	
1,1-Dichloroethane	ND	0.37	"		ND					25	
1,1-Dichloroethylene	ND	0.092	"		ND					25	
1,2,4-Trichlorobenzene	ND	0.69	"		ND					25	
1,2,4-Trimethylbenzene	0.59	0.45	"		0.59				0.00	25	
1,2-Dibromoethane	ND	0.71	"		ND					25	
1,2-Dichlorobenzene	ND	0.56	"		ND					25	
1,2-Dichloroethane	ND	0.37	"		ND					25	
1,2-Dichloropropane	ND	0.43	"		ND					25	
1,2-Dichlorotetrafluoroethane	ND	0.65	"		ND					25	
1,3,5-Trimethylbenzene	ND	0.45	"		ND					25	
1,3-Butadiene	ND	0.61	"		ND					25	
1,3-Dichlorobenzene	ND	0.56	"		ND					25	
1,3-Dichloropropane	ND	0.43	"		ND					25	
1,4-Dichlorobenzene	ND	0.56	"		ND					25	
1,4-Dioxane	ND	0.67	"		ND					25	
2-Butanone	0.82	0.27	"		0.87				6.45	25	
2-Hexanone	ND	0.76	"		ND					25	
3-Chloropropene	ND	1.4	"		ND					25	
4-Methyl-2-pentanone	0.34	0.38	"		ND					25	
Acetone	8.3	0.44	"		8.3				0.529	25	
Acrylonitrile	ND	0.20	"		ND					25	
Benzene	0.71	0.30	"		0.74				4.08	25	
Benzyl chloride	ND	0.48	"		ND					25	
Bromodichloromethane	ND	0.62	"		ND					25	
Bromoform	ND	0.96	"		ND					25	
Bromomethane	ND	0.36	"		ND					25	
Carbon disulfide	ND	0.29	"		ND					25	
Carbon tetrachloride	0.47	0.15	"		0.47				0.00	25	
Chlorobenzene	ND	0.43	"		ND					25	
Chloroethane	ND	0.24	"		ND					25	
Chloroform	ND	0.45	"		ND					25	
Chloromethane	1.5	0.19	"		1.3				16.4	25	
cis-1,2-Dichloroethylene	ND	0.092	"		ND					25	
cis-1,3-Dichloropropylene	ND	0.42	"		ND					25	
Cyclohexane	0.35	0.32	"		0.35				0.00	25	
Dibromochloromethane	ND	0.79	"		ND					25	
Dichlorodifluoromethane	2.7	0.46	"		2.6				5.22	25	
Ethyl acetate	0.60	0.67	"		0.60				0.00	25	
Ethyl Benzene	0.40	0.40	"		0.40				0.00	25	
Hexachlorobutadiene	ND	0.99	"		ND					25	
Isopropanol	3.9	0.45	"		4.0				0.576	25	
Methyl Methacrylate	1.7	0.38	"		1.7				0.00	25	
Methyl tert-butyl ether (MTBE)	ND	0.33	"		ND					25	
Methylene chloride	9.9	0.64	"		9.9				0.647	25	
n-Heptane	0.53	0.38	"		0.49				7.41	25	
n-Hexane	1.4	0.33	"		1.4				0.00	25	



Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH11282 - EPA TO15 PREP

Duplicate (BH11282-DUP1)	Duplicate	*Source sample: 21H0957-04 (AA01_081821)				Prepared: 08/23/2021 Analyzed: 08/24/2021					
o-Xylene		0.52	0.40	ug/m ³	0.56				7.41	25	
p- & m- Xylenes		1.6	0.80	"	1.6				0.00	25	
p-Ethyltoluene		0.50	0.45	"	0.50				0.00	25	
Propylene		ND	0.16	"	ND					25	
Styrene		ND	0.39	"	ND					25	
Tetrachloroethylene		4.2	0.63	"	4.2				0.00	25	
Tetrahydrofuran		ND	0.55	"	0.22					25	
Toluene		4.3	0.35	"	4.4				0.803	25	
trans-1,2-Dichloroethylene		ND	0.37	"	ND					25	
trans-1,3-Dichloropropylene		ND	0.42	"	ND					25	
Trichloroethylene		ND	0.12	"	ND					25	
Trichlorofluoromethane (Freon 11)		1.4	0.52	"	1.3				3.77	25	
Vinyl acetate		ND	0.33	"	ND					25	
Vinyl bromide		ND	0.40	"	ND					25	
Vinyl Chloride		ND	0.12	"	ND					25	



Sample and Data Qualifiers Relating to This Work Order

Definitions and Other Explanations

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

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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

