

Exhibit C

2. Subsurface Investigation Report
Tables & Laboratory Data
Prepared by HydroEnvironmental Solutions, Inc.
March 2020

Subsurface Investigation Report March 2020

TABLES

Table 1 130 Midland Avenue Port Chester, New York											
Laboratory Analytical Results for Soil in Test Borings GB-1 to GB-4											
Sample ID	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives- Commercial	GB-1 (4-8)		GB-2 (4-8)		GB-3 (4-8)		GB-3 (8-12)		GB-4 (0-4)	
		1/28/2020 Soil		1/28/2020 Soil		1/28/2020 Soil		1/28/2020 Soil		1/28/2020 Soil	
		Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
VOA, 8260 MASTER (mg/kg)											
1,1,1,2-Tetrachloroethane	~	0.00450	U	0.00210	U	0.00200	U	0.440	U	0.00200	U
1,1,1-Trichloroethane	500	0.00450	U	0.00210	U	0.00200	U	0.440	U	0.00200	U
1,1,2,2-Tetrachloroethane	~	0.00450	U	0.00210	U	0.00200	U	0.440	U	0.00200	U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	~	0.00450	U	0.00210	U	0.00200	U	0.440	U	0.00200	U
1,1,2-Trichloroethane	~	0.00450	U	0.00210	U	0.00200	U	0.440	U	0.00200	U
1,1-Dichloroethane	240	0.00450	U	0.00210	U	0.00200	U	0.440	U	0.00200	U
1,1-Dichloroethylene	500	0.00450	U	0.00210	U	0.00200	U	0.440	U	0.00200	U
1,1-Dichloropropylene	~	0.00450	U	0.00210	U	0.00200	U	0.440	U	0.00200	U
1,2,3-Trichlorobenzene	~	0.00450	U	0.00210	U	0.00200	U	0.440	U	0.00200	U
1,2,3-Trichloropropane	~	0.00450	U	0.00210	U	0.00200	U	0.440	U	0.00200	U
1,2,4,5-Tetramethylbenzene	~	0.00450	U	0.00210	U	0.00300	J	16	D	0.00200	U
1,2,4-Trichlorobenzene	~	0.00450	U	0.00210	U	0.00200	U	0.440	U	0.00200	U
1,2,4-Trimethylbenzene	190	0.00450	U	0.00210	U	0.00200	U	0.440	U	0.00200	U
1,2-Dibromo-3-chloropropane	~	0.00450	U	0.00210	U	0.00200	U	0.440	U	0.00200	U
1,2-Dibromoethane	~	0.00450	U	0.00210	U	0.00200	U	0.440	U	0.00200	U
1,2-Dichlorobenzene	500	0.00450	U	0.00210	U	0.00200	U	0.440	U	0.00200	U
1,2-Dichloroethane	30	0.00450	U	0.00210	U	0.00200	U	0.440	U	0.00200	U
1,2-Dichloropropane	~	0.00450	U	0.00210	U	0.00200	U	0.440	U	0.00200	U
1,3,5-Trimethylbenzene	190	0.00450	U	0.00210	U	0.00200	U	0.440	U	0.00200	U
1,3-Dichlorobenzene	280	0.00450	U	0.00210	U	0.00200	U	0.440	U	0.00200	U
1,3-Dichloropropane	~	0.00450	U	0.00210	U	0.00200	U	0.440	U	0.00200	U
1,4-Dichlorobenzene	130	0.00450	U	0.00210	U	0.00200	U	0.440	U	0.00200	U
1,4-Dioxane	130	0.0900	U	0.0420	U	0.0400	U	8.800	U	0.0400	U
2,2-Dichloropropane	~	0.00450	U	0.00210	U	0.00200	U	0.440	U	0.00200	U
2-Butanone	500	0.00450	U	0.00790		0.00870		0.440	U	0.00200	U
2-Chloroethylvinyl ether	~	0.0180	U	0.00840	U	0.00790	U	1.800	U	0.00790	U
2-Chlorotoluene	~	0.00450	U	0.00210	U	0.00200	U	0.440	U	0.00200	U
2-Hexanone	~	0.00450	U	0.00210	U	0.00200	U	0.440	U	0.00200	U
4-Chlorotoluene	~	0.00450	U	0.00210	U	0.00200	U	0.440	U	0.00200	U
4-Methyl-2-pentanone	~	0.00450	U	0.00210	U	0.00200	U	0.440	U	0.00200	U
Acetone	500	0.0150	J	0.0320		0.0320		0.880	U	0.00400	U
Acrolein	~	0.00900	U	0.00420	U	0.00400	U	0.880	U	0.00400	U
Acrylonitrile	~	0.00450	U	0.00210	U	0.00200	U	0.440	U	0.00200	U
Allyl chloride	~	0.00450	U	0.00210	U	0.00200	U	0.440	U	0.00200	U
Benzene	44	0.00450	U	0.00210	U	0.00200	U	0.440	U	0.00200	U
Bromobenzene	~	0.00450	U	0.00210	U	0.00200	U	0.440	U	0.00200	U
Bromochloromethane	~	0.00450	U	0.00210	U	0.00200	U	0.440	U	0.00200	U
Bromodichloromethane	~	0.00450	U	0.00210	U	0.00200	U	0.440	U	0.00200	U
Bromoform	~	0.00450	U	0.00210	U	0.00200	U	0.440	U	0.00200	U
Bromomethane	~	0.00450	U	0.00210	U	0.00200	U	0.440	U	0.00200	U
Carbon disulfide	~	0.00450	U	0.00210	U	0.00200	U	0.440	U	0.00200	U
Carbon tetrachloride	22	0.00450	U	0.00210	U	0.00200	U	0.440	U	0.00200	U
Chlorobenzene	500	0.00450	U	0.00210	U	0.00200	U	0.440	U	0.00200	U
Chloroethane	~	0.00450	U	0.00210	U	0.00200	U	0.440	U	0.00200	U
Chloroform	350	0.00450	U	0.00210	U	0.00200	U	0.440	U	0.00200	U
Chloromethane	~	0.00450	U	0.00210	U	0.00200	U	0.440	U	0.00200	U
cis-1,2-Dichloroethylene	500	0.00450	U	0.00210	U	0.00200	U	0.440	U	0.00200	U
cis-1,3-Dichloropropylene	~	0.00450	U	0.00210	U	0.00200	U	0.440	U	0.00200	U
Cyclohexane	~	0.00450	U	0.00210	U	0.00200	U	6.800	D	0.00200	U
Dibromochloromethane	~	0.00450	U	0.00210	U	0.00200	U	0.440	U	0.00200	U
Dibromomethane	~	0.00450	U	0.00210	U	0.00200	U	0.440	U	0.00200	U
Dichlorodifluoromethane	~	0.00450	U	0.00210	U	0.00200	U	0.440	U	0.00200	U
Diisopropyl ether (DIPE)	~	0.00720	U	0.00330	U	0.00320	U	0.700	U	0.00320	U
Ethanol	~	0.0720	U	0.0330	U	0.0320	U	7	U	0.0320	U
Ethyl Benzene	390	0.00450	U	0.00210	U	0.00200	U	0.440	U	0.00200	U
Ethyl tert-butyl ether (ETBE)	~	0.00720	U	0.00330	U	0.00320	U	0.700	U	0.00320	U
Hexachlorobutadiene	~	0.00450	U	0.00210	U	0.00200	U	0.440	U	0.00200	U
Iodomethane	~	0.00450	U	0.00210	U	0.00200	U	0.440	U	0.00200	U
Isopropylbenzene	~	0.00450	U	0.00210	U	0.00200	U	2.600	D	0.00200	U
Methyl acetate	~	0.00450	U	0.00210	U	0.00690		0.440	U	0.00200	U
Methyl Methacrylate	~	0.00450	U	0.00210	U	0.00200	U	0.440	U	0.00200	U
Methyl tert-butyl ether (MTBE)	500	0.00450	U	0.00210	U	0.00200	U	0.440	U	0.00200	U
Methylcyclohexane	~	0.00450	U	0.00210	U	0.00770		39	D	0.00200	U
Methylene chloride	500	0.00900	U	0.00420	U	0.00400	U				

Table 1 130 Midland Avenue Port Chester, New York											
Laboratory Analytical Results for Soil in Test Borings GB-1 to GB-4											
Sample ID	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives- Commercial	GB-1 (4-8)		GB-2 (4-8)		GB-3 (4-8)		GB-3 (8-12)		GB-4 (0-4)	
		1/28/2020 Soil		1/28/2020 Soil		1/28/2020 Soil		1/28/2020 Soil		1/28/2020 Soil	
Sampling Date	Client Matrix	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
2,3,4,6-Tetrachlorophenol	~	0.0985	U	0.0936	U	0.0962	U	0.210	U	0.0951	U
2,4,5-Trichlorophenol	~	0.0493	U	0.0469	U	0.0482	U	0.105	U	0.0477	U
2,4,6-Trichlorophenol	~	0.0493	U	0.0469	U	0.0482	U	0.105	U	0.0477	U
2,4-Dichlorophenol	~	0.0493	U	0.0469	U	0.0482	U	0.105	U	0.0477	U
2,4-Dimethylphenol	~	0.0493	U	0.0469	U	0.0482	U	0.105	U	0.0477	U
2,4-Dinitrophenol	~	0.0985	U	0.0936	U	0.0962	U	0.210	U	0.0951	U
2,4-Dinitrotoluene	~	0.0493	U	0.0469	U	0.0482	U	0.105	U	0.0477	U
2,6-Dinitrotoluene	~	0.0493	U	0.0469	U	0.0482	U	0.105	U	0.0477	U
2-Chloronaphthalene	~	0.0493	U	0.0469	U	0.0482	U	0.105	U	0.0477	U
2-Chlorophenol	~	0.0493	U	0.0469	U	0.0482	U	0.105	U	0.0477	U
2-Methylnaphthalene	~	2.080	D	0.150	D	0.0531	JD	2.590	D	0.0477	U
2-Methylphenol	500	0.0493	U	0.0469	U	0.0482	U	0.105	U	0.0477	U
2-Nitroaniline	~	0.0985	U	0.0936	U	0.0962	U	0.210	U	0.0951	U
2-Nitrophenol	~	0.0493	U	0.0469	U	0.0482	U	0.105	U	0.0477	U
3- & 4-Methylphenols	~	0.0493	U	0.0469	U	0.0482	U	0.105	U	0.0477	U
3,3-Dichlorobenzidine	~	0.0493	U	0.0469	U	0.0482	U	0.105	U	0.0477	U
3-Nitroaniline	~	0.0985	U	0.0936	U	0.0962	U	0.210	U	0.0951	U
4,6-Dinitro-2-methylphenol	~	0.0985	U	0.0936	U	0.0962	U	0.210	U	0.0951	U
4-Bromophenyl phenyl ether	~	0.0493	U	0.0469	U	0.0482	U	0.105	U	0.0477	U
4-Chloro-3-methylphenol	~	0.0493	U	0.0469	U	0.0482	U	0.105	U	0.0477	U
4-Chloroaniline	~	0.0493	U	0.0469	U	0.0482	U	0.105	U	0.0477	U
4-Chlorophenyl phenyl ether	~	0.0493	U	0.0469	U	0.0482	U	0.105	U	0.0477	U
4-Nitroaniline	~	0.0985	U	0.0936	U	0.0962	U	0.210	U	0.0951	U
4-Nitrophenol	~	0.0985	U	0.0936	U	0.0962	U	0.210	U	0.0951	U
Acenaphthene	500	2.810	D	0.224	D	0.0482	U	0.105	U	0.0494	JD
Acenaphthylene	500	2.230	D	0.174	D	0.0482	U	0.105	U	0.0753	JD
Acetophenone	~	0.0493	U	0.0469	U	0.0482	U	0.105	U	0.0477	U
Aniline	~	0.197	U	0.187	U	0.193	U	0.420	U	0.190	U
Anthracene	500	9.470	D	0.658	D	0.0584	JD	0.105	U	0.157	D
Atrazine	~	0.0493	U	0.0469	U	0.0482	U	0.105	U	0.0477	U
Benzaldehyde	~	0.0493	U	0.0469	U	0.0482	U	0.105	U	0.0477	U
Benzidine	~	0.197	U	0.187	U	0.193	U	0.420	U	0.190	U
Benzo(a)anthracene	5.6	12.900	D	1.240	D	0.120	D	0.105	U	0.428	D
Benzo(a)pyrene	1	10.100	D	1.180	D	0.128	D	0.105	U	0.428	D
Benzo(b)fluoranthene	5.6	8.170	D	1.020	D	0.114	D	0.105	U	0.365	D
Benzo(g,h,i)perylene	500	4.340	D	0.717	D	0.111	D	0.105	U	0.316	D
Benzo(k)fluoranthene	56	7.450	D	0.884	D	0.104	D	0.105	U	0.352	D
Benzoic acid	~	0.0493	U	0.0469	U	0.0482	U	0.105	U	0.0477	U
Benzyl alcohol	~	0.0493	U	0.0469	U	0.0482	U	0.105	U	0.0477	U
Benzyl butyl phthalate	~	0.0493	U	0.0469	U	0.0482	U	0.105	U	0.0477	U
Bis(2-chloroethoxy)methane	~	0.0493	U	0.0469	U	0.0482	U	0.105	U	0.0477	U
Bis(2-chloroethyl)ether	~	0.0493	U	0.0469	U	0.0482	U	0.105	U	0.0477	U
Bis(2-chloroisopropyl)ether	~	0.0493	U	0.0469	U	0.0482	U	0.105	U	0.0477	U
Bis(2-ethylhexyl)phthalate	~	0.527	D	0.0469	U	0.0482	U	0.105	U	0.0477	U
Caprolactam	~	0.0985	U	0.0936	U	0.0962	U	0.210	U	0.0951	U
Carbazole	~	2.230	D	0.244	D	0.0482	U	0.105	U	0.0477	U
Chrysene	56	11.100	D	1.180	D	0.123	D	0.105	U	0.425	D
Dibenzo(a,h)anthracene	0.56	2.220	D	0.260	D	0.0482	U	0.105	U	0.0966	D
Dibenzofuran	350	4.620	D	0.194	D	0.0482	U	0.105	U	0.0477	U
Diethyl phthalate	~	0.0493	U	0.0469	U	0.0482	U	0.105	U	0.0477	U
Dimethyl phthalate	~	0.0493	U	0.0469	U	0.0482	U	0.105	U	0.0477	U
Di-n-butyl phthalate	~	0.0493	U	0.0469	U	0.0482	U	0.105	U	0.0477	U
Di-n-octyl phthalate	~	0.0493	U	0.0469	U	0.0482	U	0.105	U	0.0477	U
Fluoranthene	500	28.500	D	2.300	D	0.255	D	0.105	U	0.863	D
Fluorene	500	5.560	D	0.365	D	0.0482	U	0.105	U	0.0547	JD
Hexachlorobenzene	6	0.0493	U	0.0469	U	0.0482	U	0.105	U	0.0477	U
Hexachlorobutadiene	~	0.0493	U	0.0469	U	0.0482	U	0.105	U	0.0477	U
Hexachlorocyclopentadiene	~	0.0493	U	0.0469	U	0.0482	U	0.105	U	0.0477	U
Hexachloroethane	~	0.0493	U	0.0469	U	0.0482	U	0.105	U	0.0477	U
Indeno(1,2,3-cd)pyrene	5.6	4.170	D	0.659	D	0.0838	JD	0.105	U	0.270	D
Isophorone	~	0.0493	U	0.0469	U	0.0482	U	0.105	U	0.0477	U
Naphthalene	500	2.330	D	0.207	D	0.0482	U	0.105	U	0.0477	U
Nitrobenzene	~	0.0493	U	0.0469	U	0.0482	U	0.105	U	0.0477	U
N-Nitrosodimethylamine	~	0.0493	U	0.0469	U	0.0482	U	0.105	U	0.0477	U
N-nitroso-di-n-propylamine	~	0.0493	U	0.0469	U	0.0482	U	0.105	U	0.0477	U

Table 1
130 Midland Avenue
Port Chester, New York

Laboratory Analytical Results for Soil in Test Borings GB-1 to GB-4

Sample ID Sampling Date Client Matrix	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives- Commercial	GB-1 (4-8)		GB-2 (4-8)		GB-3 (4-8)		GB-3 (8-12)		GB-4 (0-4)	
		1/28/2020 Soil		1/28/2020 Soil		1/28/2020 Soil		1/28/2020 Soil		1/28/2020 Soil	
		Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Calcium	~	49,300		33,600		5,520		6,450		8,740	
Chromium	~	26.800		45.600		40.900		34.500		31.800	
Cobalt	~	7.610		12.400		16		10.600		11.800	
Copper	270	44.700		45.400		42.700		46.700		57	
Iron	~	19,900		24,800		27,500		14,600		25,700	
Lead	1000	111		143		111		8.450		204	
Magnesium	~	5,870		14,700		6,040		5,740		5,710	
Manganese	10000	381		418		353		277		309	
Nickel	310	23.700		39.400		52.200		47		34.500	
Potassium	~	2,300		4,790		4,050		1,960		3,230	
Selenium	1500	2.990	U	2.820	U	2.940	U	6.400	U	2.870	U
Silver	1500	0.598	U	0.565	U	0.588	U	1.280	U	0.574	U
Sodium	~	1,150		530		262		332		475	
Thallium	~	2.990	U	2.820	U	2.940	U	6.400	U	2.870	U
Vanadium	~	27.200		41		42		33.300		37.100	
Zinc	10000	175		154		142		80.900		251	
Mercury by 7473 (mg/kg)											
Mercury	2.8	0.224		0.0652		0.149		0.0767	U	0.255	
HERB, 8151 MASTER (mg/kg)											
2,4,5-T	~	0.0236	U	0.0223	U	0.0234	U	0.0510	U	0.0227	U
2,4,5-TP (Silvex)	500	0.0236	U	0.0223	U	0.0234	U	0.0510	U	0.0227	U
2,4-D	~	0.0236	U	0.0223	U	0.0234	U	0.0510	U	0.0227	U
PCB, 8082 MASTER (mg/kg)											
Aroclor 1016	~	0.0197	U	0.0186	U	0.0195	U	0.0419	U	0.0190	U
Aroclor 1221	~	0.0197	U	0.0186	U	0.0195	U	0.0419	U	0.0190	U
Aroclor 1232	~	0.0197	U	0.0186	U	0.0195	U	0.0419	U	0.0190	U
Aroclor 1242	~	0.0197	U	0.0186	U	0.0195	U	0.0419	U	0.0190	U
Aroclor 1248	~	0.0197	U	0.0186	U	0.0195	U	0.0419	U	0.0190	U
Aroclor 1254	~	0.0197	U	0.0186	U	0.0195	U	0.0419	U	0.0190	U
Aroclor 1260	~	0.0318		0.0266		0.0234		0.0419	U	0.0190	U
Total PCBs	1	0.0318		0.0266		0.0234		0.0419	U	0.0190	U
Result Exceedance Dectected											

Q is the Qualifier Column with definitions as follows:
D=result is from an analysis that required a dilution
J=analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimated
U=analyte not detected at or above the level indicated
B=analyte found in the analysis batch blank

Table 1.1
130 Midland Avenue
Port Chester, New York

Laboratory Analytical Results for Soil in Test Borings GB-4 to GB-7

Sample ID	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives- Commercial	GB-4 (8-12)		GB-5 (0-4)		GB-6 (4-8)		GB-7 (4-8)		GB-7 (12-16)	
Sampling Date		1/28/2020		1/28/2020		1/28/2020		1/29/2020		1/29/2020	
Client Matrix		Soil		Soil		Soil		Soil		Soil	
		Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
VOA, 8260 MASTER (mg/kg)											
1,1,1,2-Tetrachloroethane	~	0.220	U	0.00230	U	0.00230	U	0.00470	U	0.00300	U
1,1,1-Trichloroethane	500	0.220	U	0.00230	U	0.00230	U	0.00470	U	0.00300	U
1,1,2,2-Tetrachloroethane	~	0.220	U	0.00230	U	0.00230	U	0.00470	U	0.00300	U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	~	0.220	U	0.00230	U	0.00230	U	0.00470	U	0.00300	U
1,1,2-Trichloroethane	~	0.220	U	0.00230	U	0.00230	U	0.00470	U	0.00300	U
1,1-Dichloroethane	240	0.220	U	0.00230	U	0.00230	U	0.00470	U	0.00300	U
1,1-Dichloroethylene	500	0.220	U	0.00230	U	0.00230	U	0.00470	U	0.00300	U
1,1-Dichloropropylene	~	0.220	U	0.00230	U	0.00230	U	0.00470	U	0.00300	U
1,2,3-Trichlorobenzene	~	0.220	U	0.00230	U	0.00230	U	0.00470	U	0.00300	U
1,2,3-Trichloropropane	~	0.220	U	0.00230	U	0.00230	U	0.00470	U	0.00300	U
1,2,4,5-Tetramethylbenzene	~	11	D	0.00230	U	0.00230	U	0.00470	U	0.00300	U
1,2,4-Trichlorobenzene	~	0.220	U	0.00230	U	0.00230	U	0.00470	U	0.00300	U
1,2,4-Trimethylbenzene	190	0.220	U	0.00230	U	0.00230	U	0.00470	U	0.00300	U
1,2-Dibromo-3-chloropropane	~	0.220	U	0.00230	U	0.00230	U	0.00470	U	0.00300	U
1,2-Dibromoethane	~	0.220	U	0.00230	U	0.00230	U	0.00470	U	0.00300	U
1,2-Dichlorobenzene	500	0.220	U	0.00230	U	0.00230	U	0.00470	U	0.00300	U
1,2-Dichloroethane	30	0.220	U	0.00230	U	0.00230	U	0.00470	U	0.00300	U
1,2-Dichloropropane	~	0.220	U	0.00230	U	0.00230	U	0.00470	U	0.00300	U
1,3,5-Trimethylbenzene	190	0.220	U	0.00230	U	0.00230	U	0.00470	U	0.00300	U
1,3-Dichlorobenzene	280	0.220	U	0.00230	U	0.00230	U	0.00470	U	0.00300	U
1,3-Dichloropropane	~	0.220	U	0.00230	U	0.00230	U	0.00470	U	0.00300	U
1,4-Dichlorobenzene	130	0.220	U	0.00230	U	0.00230	U	0.00470	U	0.00300	U
1,4-Dioxane	130	4.500	U	0.0470	U	0.0460	U	0.0930	U	0.0600	U
2,2-Dichloropropane	~	0.220	U	0.00230	U	0.00230	U	0.00470	U	0.00300	U
2-Butanone	500	0.220	U	0.00730		0.00230	U	0.00470	U	0.0110	
2-Chloroethylvinyl ether	~	0.890	U	0.00940	U	0.00910	U	0.0190	U	0.0120	U
2-Chlorotoluene	~	0.220	U	0.00230	U	0.00230	U	0.00470	U	0.00300	U
2-Hexanone	~	0.220	U	0.00230	U	0.00230	U	0.00470	U	0.00300	U
4-Chlorotoluene	~	0.220	U	0.00230	U	0.00230	U	0.00470	U	0.00300	U
4-Methyl-2-pentanone	~	0.220	U	0.00230	U	0.00230	U	0.00470	U	0.00300	U
Acetone	500	0.450	U	0.0290		0.00460	U	0.0550		0.0380	
Acrolein	~	0.450	U	0.00470	U	0.00460	U	0.00930	U	0.00600	U
Acrylonitrile	~	0.220	U	0.00230	U	0.00230	U	0.00470	U	0.00300	U
Allyl chloride	~	0.220	U	0.00230	U	0.00230	U	0.00470	U	0.00300	U
Benzene	44	0.220	U	0.00230	U	0.00230	U	0.00470	U	0.00300	U
Bromobenzene	~	0.220	U	0.00230	U	0.00230	U	0.00470	U	0.00300	U
Bromochloromethane	~	0.220	U	0.00230	U	0.00230	U	0.00470	U	0.00300	U
Bromodichloromethane	~	0.220	U	0.00230	U	0.00230	U	0.00470	U	0.00300	U
Bromoform	~	0.220	U	0.00230	U	0.00230	U	0.00470	U	0.00300	U
Bromomethane	~	0.220	U	0.00230	U	0.00230	U	0.00470	U	0.00300	U
Carbon disulfide	~	0.220	U	0.00230	U	0.00230	U	0.00470	U	0.00350	J
Carbon tetrachloride	22	0.220	U	0.00230	U	0.00230	U	0.00470	U	0.00300	U
Chlorobenzene	500	0.220	U	0.00230	U	0.00230	U	0.00470	U	0.00300	U
Chloroethane	~	0.220	U	0.00230	U	0.00230	U	0.00470	U	0.00300	U
Chloroform	350	0.220	U	0.00230	U	0.00230	U	0.00470	U	0.00300	U
Chloromethane	~	0.220	U	0.00230	U	0.00230	U	0.00470	U	0.00300	U
cis-1,2-Dichloroethylene	500	0.220	U	0.00230	U	0.00230	U	0.00470	U	0.00300	U
cis-1,3-Dichloropropylene	~	0.220	U	0.00230	U	0.00230	U	0.00470	U	0.00300	U
Cyclohexane	~	1.800	D	0.00230	U	0.00230	U	0.00470	U	0.00300	U
Dibromochloromethane	~	0.220	U	0.00230	U	0.00230	U	0.00470	U	0.00300	U
Dibromomethane	~	0.220	U	0.00230	U	0.00230	U	0.00470	U	0.00300	U
Dichlorodifluoromethane	~	0.220	U	0.00230	U	0.00230	U	0.00470	U	0.00300	U
Diisopropyl ether (DIPE)	~	0.360	U	0.00380	U	0.00360	U	0.00750	U	0.00480	U
Ethanol	~	3.600	U	0.0380	U	0.0360	U	0.0750	U	0.0480	U
Ethyl Benzene	390	0.220	U	0.00230	U	0.00230	U	0.00470	U	0.00300	U
Ethyl tert-butyl ether (ETBE)	~	0.360	U	0.00380	U	0.00360	U	0.00750	U	0.00480	U
Hexachlorobutadiene	~	0.220	U	0.00230	U	0.00230	U	0.00470	U	0.00300	U
Iodomethane	~	0.220	U	0.00230	U	0.00230	U	0.00470	U	0.00300	U
Isopropylbenzene	~	1.500	D	0.00230	U	0.00230	U	0.00470	U	0.00300	U
Methyl acetate	~	0.220	U	0.00230	U	0.00230	U	0.00470	U	0.00300	U
Methyl Methacrylate	~	0.220	U	0.00230	U	0.00230	U	0.00470	U	0.00300	U
Methyl tert-butyl ether (MTBE)	500	0.220	U	0.00230	U	0.00230	U	0.00470	U	0.00300	U
Methylcyclohexane	~	11	D	0.00230	U	0.00230	U	0.00470	U	0.00300	U
Methylene chloride	500	0.450	U	0.00470	U	0.00460	U	0.00930	U	0.00600	U
Naphthalene	500	0.220	U	0.00230	U	0.00230	U	0.00470	U	0.00300	U
n-Butylbenzene	500	2.200	D	0.00230	U	0.00230	U	0.00470	U	0.00300	U
n-Propylbenzene	500	2.600	D	0.00230	U	0.00230	U	0.00470	U	0.00300	U
o-Xylene	~	0.220	U	0.00230	U	0.00230	U	0.00470	U	0.00300	U
p- & m- Xylenes	~	0.450	U	0.00470	U	0.00460	U	0.00930	U	0.00600	U
p-Diethylbenzene	~	1.900	D	0.00230	U	0.00230	U	0.00470	U	0.00300	U
p-Ethyltoluene	~	0.220	U	0.00230	U	0.00230	U	0.00470	U	0.00300	U
p-Isopropyltoluene	~	0.220	U	0.00230	U	0.00230	U	0.00470	U	0.00300	U
sec-Butylbenzene	500	2	D	0.00230	U	0.00230	U	0.00470	U	0.00300	U
Styrene	~	0.220	U	0.00230	U	0.00230	U	0.00470	U	0.00300	U
tert-Amyl alcohol (TAA)	~	3.600	U	0.0380	U	0.0360	U	0.0750	U	0.0480	U
tert-Amyl methyl ether (TAME)	~	0.360	U	0.00380	U	0.00360	U	0.00750	U	0.00480	U
tert-Butyl alcohol (TBA)	~	0.220	U	0.00230	U	0.00230	U	0.00470	U	0.00300	U
tert-Butylbenzene	500	0.250	JD	0.00230	U	0.00230	U	0.00470	U	0.00300	U
Tetrachloroethylene	150	0.220	U	0.00230	U	0.00230	U	0.00470	U	0.00300	U
Tetrahydrofuran	~	0.450	U	0.00470	U	0.00460	U	0.00930	U	0.00600	U
Toluene	500	0.220	U	0.00230	U	0.00230	U	0.00470	U	0.00300	U
trans-1,2-Dichloroethylene	500	0.220	U	0.00230	U	0.00230	U	0.00470	U	0.00300	U

Table 1.1
130 Midland Avenue
Port Chester, New York

Laboratory Analytical Results for Soil in Test Borings GB-4 to GB-7

Sample ID Sampling Date Client Matrix	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives- Commercial	GB-4 (8-12)		GB-5 (0-4)		GB-6 (4-8)		GB-7 (4-8)		GB-7 (12-16)	
		1/28/2020 Soil		1/28/2020 Soil		1/28/2020 Soil		1/29/2020 Soil		1/29/2020 Soil	
		Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
trans-1,3-Dichloropropylene	~	0.220	U	0.00230	U	0.00230	U	0.00470	U	0.00300	U
trans-1,4-dichloro-2-butene	~	0.220	U	0.00230	U	0.00230	U	0.00470	U	0.00300	U
Trichloroethylene	200	0.220	U	0.00230	U	0.00230	U	0.00470	U	0.00300	U
Trichlorofluoromethane	~	0.220	U	0.00230	U	0.00230	U	0.00470	U	0.00300	U
Vinyl acetate	~	0.220	U	0.00230	U	0.00230	U	0.00470	U	0.00300	U
Vinyl Chloride	13	0.220	U	0.00230	U	0.00230	U	0.00470	U	0.00300	U
Xylenes, Total	500	0.670	U	0.00700	U	0.00680	U	0.0140	U	0.00900	U
Semi-Volatiles, 1,4-Dioxane by 8270-SIM (mg/kg)											
1,4-Dioxane	130	0.00943	U	0.00962	U	0.00952	U	0.00990	U	0.00943	U
SVOA, 8270 MASTER (mg/kg)											
1,1-Biphenyl	~	0.0490	U	0.0470	U	0.0486	U	0.0537	U	0.0659	U
1,2,4,5-Tetrachlorobenzene	~	0.0978	U	0.0937	U	0.0969	U	0.107	U	0.131	U
1,2,4-Trichlorobenzene	~	0.0490	U	0.0470	U	0.0486	U	0.0537	U	0.0659	U
1,2-Dichlorobenzene	500	0.0490	U	0.0470	U	0.0486	U	0.0537	U	0.0659	U
1,2-Diphenylhydrazine (as Azobenzene)	~	0.0490	U	0.0470	U	0.0486	U	0.0537	U	0.0659	U
1,3-Dichlorobenzene	280	0.0490	U	0.0470	U	0.0486	U	0.0537	U	0.0659	U
1,4-Dichlorobenzene	130	0.0490	U	0.0470	U	0.0486	U	0.0537	U	0.0659	U
2,3,4,6-Tetrachlorophenol	~	0.0978	U	0.0937	U	0.0969	U	0.107	U	0.131	U
2,4,5-Trichlorophenol	~	0.0490	U	0.0470	U	0.0486	U	0.0537	U	0.0659	U
2,4,6-Trichlorophenol	~	0.0490	U	0.0470	U	0.0486	U	0.0537	U	0.0659	U
2,4-Dichlorophenol	~	0.0490	U	0.0470	U	0.0486	U	0.0537	U	0.0659	U
2,4-Dimethylphenol	~	0.0490	U	0.0470	U	0.0486	U	0.0537	U	0.0659	U
2,4-Dinitrophenol	~	0.0978	U	0.0937	U	0.0969	U	0.107	U	0.131	U
2,4-Dinitrotoluene	~	0.0490	U	0.0470	U	0.0486	U	0.0537	U	0.0659	U
2,6-Dinitrotoluene	~	0.0490	U	0.0470	U	0.0486	U	0.0537	U	0.0659	U
2-Chloronaphthalene	~	0.0490	U	0.0470	U	0.0486	U	0.0537	U	0.0659	U
2-Chlorophenol	~	0.0490	U	0.0470	U	0.0486	U	0.0537	U	0.0659	U
2-Methylnaphthalene	~	16.900	D	0.0470	U	0.0486	U	0.0537	U	0.0659	U
2-Methylphenol	500	0.0490	U	0.0470	U	0.0486	U	0.0537	U	0.0659	U
2-Nitroaniline	~	0.0978	U	0.0937	U	0.0969	U	0.107	U	0.131	U
2-Nitrophenol	~	0.0490	U	0.0470	U	0.0486	U	0.0537	U	0.0659	U
3- & 4-Methylphenols	~	0.0490	U	0.0470	U	0.0486	U	0.0537	U	0.0659	U
3,3-Dichlorobenzidine	~	0.0490	U	0.0470	U	0.0486	U	0.0537	U	0.0659	U
3-Nitroaniline	~	0.0978	U	0.0937	U	0.0969	U	0.107	U	0.131	U
4,6-Dinitro-2-methylphenol	~	0.0978	U	0.0937	U	0.0969	U	0.107	U	0.131	U
4-Bromophenyl phenyl ether	~	0.0490	U	0.0470	U	0.0486	U	0.0537	U	0.0659	U
4-Chloro-3-methylphenol	~	0.0490	U	0.0470	U	0.0486	U	0.0537	U	0.0659	U
4-Chloroaniline	~	0.0490	U	0.0470	U	0.0486	U	0.0537	U	0.0659	U
4-Chlorophenyl phenyl ether	~	0.0490	U	0.0470	U	0.0486	U	0.0537	U	0.0659	U
4-Nitroaniline	~	0.0978	U	0.0937	U	0.0969	U	0.107	U	0.131	U
4-Nitrophenol	~	0.0978	U	0.0937	U	0.0969	U	0.107	U	0.131	U
Acenaphthene	500	0.0490	U	0.0704	JD	0.0486	U	0.0537	U	0.0659	U
Acenaphthylene	500	0.0490	U	0.307	D	0.0486	U	0.0537	U	0.0659	U
Acetophenone	~	0.0490	U	0.0470	U	0.0486	U	0.0537	U	0.0659	U
Aniline	~	0.196	U	0.188	U	0.194	U	0.215	U	0.263	U
Anthracene	500	0.0852	JD	0.488	D	0.0486	U	0.0537	U	0.0659	U
Atrazine	~	0.0490	U	0.0470	U	0.0486	U	0.0537	U	0.0659	U
Benzaldehyde	~	0.0490	U	0.0470	U	0.0486	U	0.0537	U	0.0659	U
Benzidine	~	0.196	U	0.188	U	0.194	U	0.215	U	0.263	U
Benzo(a)anthracene	5.6	0.0490	U	1.280	D	0.0496	JD	0.0537	U	0.0659	U
Benzo(a)pyrene	1	0.0490	U	1.240	D	0.0486	U	0.0537	U	0.0659	U
Benzo(b)fluoranthene	5.6	0.0490	U	1.040	D	0.0486	U	0.0537	U	0.0659	U
Benzo(g,h,i)perylene	500	0.0490	U	0.796	D	0.0486	U	0.0537	U	0.0659	U
Benzo(k)fluoranthene	56	0.0490	U	0.912	D	0.0486	U	0.0537	U	0.0659	U
Benzoic acid	~	0.0490	U	0.0470	U	0.0486	U	0.0537	U	0.0659	U
Benzyl alcohol	~	0.0490	U	0.0470	U	0.0486	U	0.0537	U	0.0659	U
Benzyl butyl phthalate	~	0.0490	U	0.0470	U	0.0486	U	0.0537	U	0.0659	U
Bis(2-chloroethoxy)methane	~	0.0490	U	0.0470	U	0.0486	U	0.0537	U	0.0659	U
Bis(2-chloroethyl)ether	~	0.0490	U	0.0470	U	0.0486	U	0.0537	U	0.0659	U
Bis(2-chloroisopropyl)ether	~	0.0490	U	0.0470	U	0.0486	U	0.0537	U	0.0659	U
Bis(2-ethylhexyl)phthalate	~	0.0490	U	0.0959	D	0.0486	U	0.0537	U	0.0659	U
Caprolactam	~	0.0978	U	0.0937	U	0.0969	U	0.107	U	0.131	U
Carbazole	~	0.0490	U	0.0532	JD	0.0486	U	0.0537	U	0.0659	U
Chrysene	56	0.0490	U	1.210	D	0.0511	JD	0.0537	U	0.0659	U
Dibenzo(a,h)anthracene	0.56	0.0490	U	0.234	D	0.0486	U	0.0537	U	0.0659	U
Dibenzofuran	350	0.0490	U	0.0712	JD	0.0486	U	0.0537	U	0.0659	U
Diethyl phthalate	~	0.0490	U	0.0470	U	0.0486	U	0.0537	U	0.0659	U
Dimethyl phthalate	~	0.0490	U	0.0470	U	0.0486	U	0.0537	U	0.0659	U
Di-n-butyl phthalate	~	0.0490	U	0.0470	U	0.0486	U	0.0537	U	0.0659	U
Di-n-octyl phthalate	~	0.0490	U	0.0470	U	0.0486	U	0.0537	U	0.0659	U
Fluoranthene	500	0.0490	U	2.440	D	0.0937	JD	0.0537	U	0.0659	U
Fluorene	500	0.0490	U	0.103	D	0.0486	U	0.0537	U	0.0659	U
Hexachlorobenzene	6	0.0490	U	0.0470	U	0.0486	U	0.0537	U	0.0659	U
Hexachlorobutadiene	~	0.0490	U	0.0470	U	0.0486	U	0.0537	U	0.0659	U
Hexachlorocyclopentadiene	~	0.0490	U	0.0470	U	0.0486	U	0.0537	U	0.0659	U
Hexachloroethane	~	0.0490	U	0.0470	U	0.0486	U	0.0537	U	0.0659	U
Indeno(1,2,3-cd)pyrene	5.6	0.0490	U	0.691	D	0.0486	U	0.0537	U	0.0659	U
Isophorone	~	0.0490	U	0.0470	U	0.0486	U	0.0537	U	0.0659	U
Naphthalene	500	0.121	D	0.0472	JD	0.0486	U	0.0537	U	0.0659	U
Nitrobenzene	~	0.0490	U	0.0470	U	0.0486	U	0.0537	U	0.0659	U
N-Nitrosodimethylamine	~	0.0490	U	0.0470	U	0.0486	U	0.0537	U	0.0659	U
N-nitroso-di-n-propylamine	~	0.0490	U	0.0470	U	0.0486	U	0.0537	U	0.0659	U
N-Nitrosodiphenylamine	~	0.0490	U	0.0470	U	0.0486	U	0.0537	U	0.0659	U

Table 1.1
130 Midland Avenue
Port Chester, New York

Laboratory Analytical Results for Soil in Test Borings GB-4 to GB-7

Sample ID Sampling Date Client Matrix	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives- Commercial	GB-4 (8-12)		GB-5 (0-4)		GB-6 (4-8)		GB-7 (4-8)		GB-7 (12-16)	
		1/28/2020 Soil		1/28/2020 Soil		1/28/2020 Soil		1/29/2020 Soil		1/29/2020 Soil	
		Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Pentachlorophenol	6.7	0.0490	U	0.0470	U	0.0486	U	0.0537	U	0.0659	U
Phenanthrene	500	0.712	D	1.010	D	0.0674	JD	0.0537	U	0.0659	U
Phenol	500	0.0490	U	0.0470	U	0.0486	U	0.0537	U	0.0659	U
Pyrene	500	0.0490	U	2.830	D	0.0922	JD	0.0537	U	0.0659	U
Pyridine	~	0.196	U	0.188	U	0.194	U	0.215	U	0.263	U
PEST, 8081 MASTER (mg/kg)											
4,4'-DDD	92	0.00196	U	0.00186	U	0.00191	U	0.00211	U	0.00257	U
4,4'-DDE	62	0.00196	U	0.00186	U	0.00191	U	0.00211	U	0.00257	U
4,4'-DDT	47	0.00196	U	0.00186	U	0.00191	U	0.00211	U	0.00257	U
Aldrin	0.68	0.00196	U	0.00186	U	0.00191	U	0.00211	U	0.00257	U
alpha-BHC	3.4	0.00196	U	0.00186	U	0.00191	U	0.00211	U	0.00257	U
alpha-Chlordane	24	0.00196	U	0.00186	U	0.00191	U	0.00211	U	0.00257	U
beta-BHC	3	0.00196	U	0.00186	U	0.00191	U	0.00211	U	0.00257	U
Chlordane, total	~	0.0392	U	0.0372	U	0.0382	U	0.0423	U	0.0513	U
delta-BHC	500	0.00196	U	0.00186	U	0.00191	U	0.00211	U	0.00257	U
Dieldrin	1.4	0.00196	U	0.00186	U	0.00191	U	0.00211	U	0.00257	U
Endosulfan I	200	0.00196	U	0.00186	U	0.00191	U	0.00211	U	0.00257	U
Endosulfan II	200	0.00196	U	0.00186	U	0.00191	U	0.00211	U	0.00257	U
Endosulfan sulfate	200	0.00196	U	0.00186	U	0.00191	U	0.00211	U	0.00257	U
Endrin	89	0.00196	U	0.00186	U	0.00191	U	0.00211	U	0.00257	U
Endrin aldehyde	~	0.00196	U	0.00813	D	0.00191	U	0.00211	U	0.00257	U
Endrin ketone	~	0.00196	U	0.00186	U	0.00191	U	0.00211	U	0.00257	U
gamma-BHC (Lindane)	9.2	0.00196	U	0.00186	U	0.00191	U	0.00211	U	0.00257	U
gamma-Chlordane	~	0.00196	U	0.00186	U	0.00191	U	0.00211	U	0.00257	U
Heptachlor	15	0.00196	U	0.00186	U	0.00191	U	0.00211	U	0.00257	U
Heptachlor epoxide	~	0.00196	U	0.00186	U	0.00191	U	0.00211	U	0.00257	U
Methoxychlor	~	0.00196	U	0.00186	U	0.00191	U	0.00211	U	0.00257	U
Toxaphene	~	0.196	U	0.186	U	0.191	U	0.211	U	0.257	U
Metals, Target Analyte (mg/kg)											
Aluminum	~	5,760		12,300		5,930		7,210	B	14,900	B
Antimony	~	2.980	U	2.840	U	2.910	U	3.220	U	3.950	U
Arsenic	16	1.790	U	5.370		2.840		13.400		2.370	U
Barium	400	50.700		140		32.600		107		135	
Beryllium	590	0.0600	U	0.0570	U	0.0580	U	0.0640	U	0.0790	U
Cadmium	9.3	0.358	U	0.533		0.350	U	0.387	U	0.474	U
Calcium	~	2,030		12,200		3,050		8,770		2,470	
Chromium	~	14.600		33.300		13.900		17.500		39.200	
Cobalt	~	8.050		12.500		7.340		8.640		18.300	
Copper	270	9.130		55.400		17		91.200		35.100	
Iron	~	12,000		28,200		11,400		20,300		22,300	
Lead	1000	3.360		74.900		3.110		439		5.460	
Magnesium	~	2,490		8,050		2,430		4,710		7,180	
Manganese	10000	147		258		125		229		276	
Nickel	310	22.900		42.700		13.400		22.200		50.700	
Potassium	~	1,410		2,890		1,710		1,530		7,960	
Selenium	1500	2.980	U	2.840	U	2.910	U	3.220	U	3.950	U
Silver	1500	0.596	U	0.567	U	0.583	U	0.645	U	0.791	U
Sodium	~	110		611		168		505		184	
Thallium	~	2.980	U	2.840	U	2.910	U	3.220	U	3.950	U
Vanadium	~	18.900		38.100		18.200		22.400		42	
Zinc	10000	31.400		122		17		88.600		48.500	
Mercury by 7473 (mg/kg)											
Mercury	2.8	0.0358	U	0.159		0.0350	U	0.194		0.0474	U
HERB, 8151 MASTER (mg/kg)											
2,4,5-T	~	0.0237	U	0.0223	U	0.0232	U	0.0256	U	0.0312	U
2,4,5-TP (Silvex)	500	0.0237	U	0.0223	U	0.0232	U	0.0256	U	0.0312	U
2,4-D	~	0.0237	U	0.0223	U	0.0232	U	0.0256	U	0.0312	U
PCB, 8082 MASTER (mg/kg)											
Aroclor 1016	~	0.0198	U	0.0188	U	0.0193	U	0.0213	U	0.0259	U
Aroclor 1221	~	0.0198	U	0.0188	U	0.0193	U	0.0213	U	0.0259	U
Aroclor 1232	~	0.0198	U	0.0188	U	0.0193	U	0.0213	U	0.0259	U
Aroclor 1242	~	0.0198	U	0.0188	U	0.0193	U	0.0213	U	0.0259	U
Aroclor 1248	~	0.0198	U	0.0188	U	0.0193	U	0.0213	U	0.0259	U
Aroclor 1254	~	0.0198	U	0.0188	U	0.0193	U	0.0213	U	0.0259	U
Aroclor 1260	~	0.0198	U	0.184		0.0193	U	0.0213	U	0.0259	U
Total PCBs	1	0.0198	U	0.184		0.0193	U	0.0213	U	0.0259	U
Result Exceedance Detected											

Q is the Qualifier Column with definitions as follows:
D=result is from an analysis that required a dilution
J=analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimated
U=analyte not detected at or above the level indicated
B=analyte found in the analysis batch blank

Table 1.2
130 Midland Avenue
Port Chester, New York

Laboratory Analytical Results for Soil in Test Borings GB-8 to GB-12

Sample ID	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives- Commercial	GB-8 (8-12) 1/29/2020		GB-9 (8-12) 1/30/2020		GB-10 (4-8) 1/29/2020		GB-11 (8-12) 1/30/2020		GB-12 (1-4) 1/31/2020	
Sampling Date		Soil		Soil		Soil		Soil		Soil	
Client Matrix		Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
VOA, 8260 MASTER (mg/kg)											
1,1,1,2-Tetrachloroethane	~	0.00200	U	0.00430	U	0.00360	U	0.00220	U	0.00250	U
1,1,1-Trichloroethane	500	0.00200	U	0.00430	U	0.00360	U	0.00220	U	0.00250	U
1,1,2,2-Tetrachloroethane	~	0.00200	U	0.00430	U	0.00360	U	0.00220	U	0.00250	U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	~	0.00200	U	0.00430	U	0.00360	U	0.00220	U	0.00250	U
1,1,2-Trichloroethane	~	0.00200	U	0.00430	U	0.00360	U	0.00220	U	0.00250	U
1,1-Dichloroethane	240	0.00200	U	0.00430	U	0.00360	U	0.00220	U	0.00250	U
1,1-Dichloroethylene	500	0.00200	U	0.00430	U	0.00360	U	0.00220	U	0.00250	U
1,1-Dichloropropylene	~	0.00200	U	0.00430	U	0.00360	U	0.00220	U	0.00250	U
1,2,3-Trichlorobenzene	~	0.00200	U	0.00430	U	0.00360	U	0.00220	U	0.00250	U
1,2,3-Trichloropropane	~	0.00200	U	0.00430	U	0.00360	U	0.00220	U	0.00250	U
1,2,4,5-Tetramethylbenzene	~	0.00200	U	0.00430	U	0.00360	U	0.00220	U	0.00250	U
1,2,4-Trichlorobenzene	~	0.00200	U	0.00430	U	0.00360	U	0.00220	U	0.00250	U
1,2,4-Trimethylbenzene	190	0.00200	U	0.00430	U	0.00360	U	0.00220	U	0.00250	U
1,2-Dibromo-3-chloropropane	~	0.00200	U	0.00980		0.00360	U	0.00440	J	0.00250	U
1,2-Dibromoethane	~	0.00200	U	0.00430	U	0.00360	U	0.00220	U	0.00250	U
1,2-Dichlorobenzene	500	0.00200	U	0.00430	U	0.00360	U	0.00220	U	0.00250	U
1,2-Dichloroethane	30	0.00200	U	0.00480	J	0.00360	U	0.00240	J	0.00250	U
1,2-Dichloropropane	~	0.00200	U	0.00430	U	0.00360	U	0.00220	U	0.00250	U
1,3,5-Trimethylbenzene	190	0.00200	U	0.00430	U	0.00360	U	0.00220	U	0.00250	U
1,3-Dichlorobenzene	280	0.00200	U	0.00430	U	0.00360	U	0.00220	U	0.00250	U
1,3-Dichloropropane	~	0.00200	U	0.00430	U	0.00360	U	0.00220	U	0.00250	U
1,4-Dichlorobenzene	130	0.00200	U	0.00430	U	0.00360	U	0.00220	U	0.00250	U
1,4-Dioxane	130	0.0410	U	0.0870	U	0.0710	U	0.0450	U	0.0490	U
2,2-Dichloropropane	~	0.00200	U	0.00430	U	0.00360	U	0.00220	U	0.00250	U
2-Butanone	500	0.00200	U	0.0200		0.0380		0.00800		0.00560	
2-Chloroethylvinyl ether	~	0.00810	U	0.0170	U	0.0140	U	0.00900	U	0.00980	U
2-Chlorotoluene	~	0.00200	U	0.00430	U	0.00360	U	0.00220	U	0.00250	U
2-Hexanone	~	0.00200	U	0.00430	U	0.00360	U	0.00220	U	0.00250	U
4-Chlorotoluene	~	0.00200	U	0.00430	U	0.00360	U	0.00220	U	0.00250	U
4-Methyl-2-pentanone	~	0.00200	U	0.00430	U	0.00360	U	0.00220	U	0.00250	U
Acetone	500	0.00950		0.0760		0.150		0.0300		0.0330	
Acrolein	~	0.00410	U	0.00870	U	0.00710	U	0.00450	U	0.00490	U
Acrylonitrile	~	0.00200	U	0.00430	U	0.00360	U	0.00220	U	0.00250	U
Allyl chloride	~	0.00200	U	0.0390		0.00360	U	0.0160		0.00250	U
Benzene	44	0.00200	U	0.00430	U	0.00360	U	0.00220	U	0.00250	U
Bromobenzene	~	0.00200	U	0.00430	U	0.00360	U	0.00220	U	0.00250	U
Bromochloromethane	~	0.00200	U	0.00430	U	0.00360	U	0.00220	U	0.00250	U
Bromodichloromethane	~	0.00200	U	0.00430	U	0.00360	U	0.00220	U	0.00250	U
Bromoform	~	0.00200	U	0.00960		0.00360	U	0.00490		0.00250	U
Bromomethane	~	0.00200	U	0.00430	U	0.00360	U	0.00220	U	0.00250	U
Carbon disulfide	~	0.00200	U	0.00430	U	0.00360	U	0.00220	U	0.00250	U
Carbon tetrachloride	22	0.00200	U	0.00430	U	0.00360	U	0.00220	U	0.00250	U
Chlorobenzene	500	0.00200	U	0.00430	U	0.00360	U	0.00220	U	0.00250	U
Chloroethane	~	0.00200	U	0.00430	U	0.00360	U	0.00220	U	0.00250	U
Chloroform	350	0.00200	U	0.00430	U	0.00360	U	0.00220	U	0.00250	U
Chloromethane	~	0.00200	U	0.00430	U	0.00360	U	0.00220	U	0.00250	U
cis-1,2-Dichloroethylene	500	0.00200	U	0.00430	U	0.00360	U	0.00220	U	0.00250	U
cis-1,3-Dichloropropylene	~	0.00200	U	0.00430	U	0.00360	U	0.00220	U	0.00250	U
Cyclohexane	~	0.00200	U	0.00430	U	0.00360	U	0.00220	U	0.00250	U
Dibromochloromethane	~	0.00200	U	0.00430	U	0.00360	U	0.00220	U	0.00250	U
Dibromomethane	~	0.00200	U	0.00430	U	0.00360	U	0.00220	U	0.00250	U
Dichlorodifluoromethane	~	0.00200	U	0.00430	U	0.00360	U	0.00220	U	0.0160	
Diisopropyl ether (DIPE)	~	0.00330	U	0.00690	U	0.00570	U	0.00360	U	0.00390	U
Ethanol	~	0.0330	U	0.0690	U	0.0570	U	0.0360	U	0.0390	U
Ethyl Benzene	390	0.00200	U	0.00430	U	0.00360	U	0.00220	U	0.00250	U
Ethyl tert-butyl ether (ETBE)	~	0.00330	U	0.00690	U	0.00570	U	0.00360	U	0.00390	U
Hexachlorobutadiene	~	0.00200	U	0.00430	U	0.00360	U	0.00220	U	0.00250	U
Iodomethane	~	0.00200	U	0.00430	U	0.00360	U	0.00220	U	0.00250	U
Isopropylbenzene	~	0.00200	U	0.00430	U	0.00360	U	0.00220	U	0.00250	U
Methyl acetate	~	0.00200	U	0.0390		0.00360	U	0.0160		0.00250	U
Methyl Methacrylate	~	0.00200	U	0.00430	U	0.00360	U	0.00220	U	0.00250	U
Methyl tert-butyl ether (MTBE)	500	0.00200	U	0.00430	U	0.00360	U	0.00220	U	0.00250	U
Methylcyclohexane	~	0.00200	U	0.00430	U	0.00360	U	0.00220	U	0.00250	U
Methylene chloride	500	0.00410	U	0.00870	U	0.00710	U	0.00450	U	0.00490	U
Naphthalene	500	0.00200	U	0.00430	U	0.00360	U	0.0160		0.00280	J
n-Butylbenzene	500	0.00200	U	0.00430	U	0.00360	U	0.00220	U	0.00250	U
n-Propylbenzene	500	0.00200	U	0.00430	U	0.00360	U	0.00220	U	0.00250	U
o-Xylene	~	0.00200	U	0.00430	U	0.00360	U	0.00220	U	0.00250	U
p- & m- Xylenes	~	0.00410	U	0.00870	U	0.00710	U	0.00450	U	0.00490	U
p-Diethylbenzene	~	0.00200	U	0.00430	U	0.00360	U	0.00220	U	0.00250	U
p-Ethyltoluene	~	0.00200	U	0.00430	U	0.00360	U	0.00220	U	0.00250	U
p-Isopropyltoluene	~	0.00200	U	0.00430	U	0.00360	U	0.00220	U	0.00250	U
sec-Butylbenzene	500	0.00200	U	0.00430	U	0.00360	U	0.00220	U	0.00250	U
Styrene	~	0.00200	U	0.00430	U	0.00360	U	0.00220	U	0.00250	U
tert-Amyl alcohol (TAA)	~	0.0330	U	0.0690	U	0.0570	U	0.0360	U	0.0390	U
tert-Amyl methyl ether (TAME)	~	0.00330	U	0.00690	U	0.00570	U	0.00360	U	0.00390	U
tert-Butyl alcohol (TBA)	~	0.00200	U	0.00430	U	0.00360	U	0.00220	U	0.00250	U
tert-Butylbenzene	500	0.00200	U	0.00430	U	0.00360	U	0.00220	U	0.00250	U
Tetrachloroethylene	150	0.00200	U	0.00430	U	0.00360	U	0.00220	U	0.00250	U
Tetrahydrofuran	~	0.00410	U	0.00870	U	0.00710	U	0.00450	U	0.00490	U
Toluene	500	0.00200	U	0.00430	U	0.00360	U	0.00220	U	0.00250	U
trans-1,2-Dichloroethylene	500	0.00200	U	0.00430	U	0.00360	U	0.00220	U	0.00250	U
trans-1,3-Dichloropropylene	~	0.00200	U	0.00430	U	0.00360	U	0.00220	U	0.00250	U

Table 1.2
130 Midland Avenue
Port Chester, New York

Laboratory Analytical Results for Soil in Test Borings GB-8 to GB-12

Sample ID Sampling Date Client Matrix	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives- Commercial	GB-8 (8-12) 1/29/2020 Soil		GB-9 (8-12) 1/30/2020 Soil		GB-10 (4-8) 1/29/2020 Soil		GB-11 (8-12) 1/30/2020 Soil		GB-12 (1-4) 1/31/2020 Soil	
		Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
trans-1,4-dichloro-2-butene	~	0.00200	U	0.00430	U	0.00360	U	0.00220	U	0.00250	U
Trichloroethylene	200	0.00200	U	0.00430	U	0.00360	U	0.00220	U	0.00250	U
Trichlorofluoromethane	~	0.00200	U	0.00430	U	0.00360	U	0.00220	U	0.00250	U
Vinyl acetate	~	0.00200	U	0.00430	U	0.00360	U	0.00220	U	0.00250	U
Vinyl Chloride	13	0.00200	U	0.00430	U	0.00360	U	0.00220	U	0.00250	U
Xylenes, Total	500	0.00610	U	0.0130	U	0.0110	U	0.00670	U	0.00740	U
Semi-Volatiles, 1,4-Dioxane by 8270-SIM (mg/kg)											
1,4-Dioxane	130	0.00935	U	0.00962	U	0.00990	U	0.00952	U	0.00971	U
SVOA, 8270 MASTER (mg/kg)											
1,1-Biphenyl	~	0.0514	U	0.0806	U	0.0629	U	0.0458	U	0.0507	JD
1,2,4,5-Tetrachlorobenzene	~	0.103	U	0.161	U	0.126	U	0.0915	U	0.0881	U
1,2,4-Trichlorobenzene	~	0.0514	U	0.0806	U	0.0629	U	0.0458	U	0.0442	U
1,2-Dichlorobenzene	500	0.0514	U	0.0806	U	0.0629	U	0.0461	JD	0.0442	U
1,2-Diphenylhydrazine (as Azobenzene)	~	0.0514	U	0.0806	U	0.0629	U	0.0458	U	0.0442	U
1,3-Dichlorobenzene	280	0.0514	U	0.0806	U	0.0629	U	0.0458	U	0.0442	U
1,4-Dichlorobenzene	130	0.0514	U	0.0806	U	0.0629	U	0.0458	U	0.0442	U
2,3,4,6-Tetrachlorophenol	~	0.103	U	0.161	U	0.126	U	0.0915	U	0.0881	U
2,4,5-Trichlorophenol	~	0.0514	U	0.0806	U	0.0629	U	0.0458	U	0.0442	U
2,4,6-Trichlorophenol	~	0.0514	U	0.0806	U	0.0629	U	0.0458	U	0.0442	U
2,4-Dichlorophenol	~	0.0514	U	0.0806	U	0.0629	U	0.0458	U	0.0442	U
2,4-Dimethylphenol	~	0.0514	U	0.0806	U	0.0629	U	0.0458	U	0.0442	U
2,4-Dinitrophenol	~	0.103	U	0.161	U	0.126	U	0.0915	U	0.0881	U
2,4-Dinitrotoluene	~	0.0514	U	0.0806	U	0.0629	U	0.0458	U	0.0442	U
2,6-Dinitrotoluene	~	0.0514	U	0.0806	U	0.0629	U	0.0458	U	0.0442	U
2-Chloronaphthalene	~	0.0514	U	0.0806	U	0.0629	U	0.0458	U	0.0442	U
2-Chlorophenol	~	0.0514	U	0.0806	U	0.0629	U	0.0458	U	0.0442	U
2-Methylnaphthalene	~	0.0514	U	0.0806	U	0.0629	U	0.140	D	0.206	D
2-Methylphenol	500	0.0514	U	0.0806	U	0.0629	U	0.0458	U	0.0442	U
2-Nitroaniline	~	0.103	U	0.161	U	0.126	U	0.0915	U	0.0881	U
2-Nitrophenol	~	0.0514	U	0.0806	U	0.0629	U	0.0458	U	0.0442	U
3- & 4-Methylphenols	~	0.0514	U	0.0806	U	0.0629	U	0.0458	U	0.0442	U
3,3-Dichlorobenzidine	~	0.0514	U	0.0806	U	0.0629	U	0.0458	U	0.0442	U
3-Nitroaniline	~	0.103	U	0.161	U	0.126	U	0.0915	U	0.0881	U
4,6-Dinitro-2-methylphenol	~	0.103	U	0.161	U	0.126	U	0.0915	U	0.0881	U
4-Bromophenyl phenyl ether	~	0.0514	U	0.0806	U	0.0629	U	0.0458	U	0.0442	U
4-Chloro-3-methylphenol	~	0.0514	U	0.0806	U	0.0629	U	0.0458	U	0.0442	U
4-Chloroaniline	~	0.0514	U	0.0806	U	0.0629	U	0.0458	U	0.0442	U
4-Chlorophenyl phenyl ether	~	0.0514	U	0.0806	U	0.0629	U	0.0458	U	0.0442	U
4-Nitroaniline	~	0.103	U	0.161	U	0.126	U	0.0915	U	0.0881	U
4-Nitrophenol	~	0.103	U	0.161	U	0.126	U	0.0915	U	0.0881	U
Acenaphthene	500	0.152	D	0.0806	U	0.0629	U	0.116	D	0.392	D
Acenaphthylene	500	0.300	D	0.0806	U	0.0629	U	0.123	D	0.0789	JD
Acetophenone	~	0.0514	U	0.0806	U	0.0629	U	0.0458	U	0.0442	U
Aniline	~	0.205	U	0.322	U	0.251	U	0.183	U	0.176	U
Anthracene	500	0.527	D	0.0806	U	0.0629	U	0.336	D	0.687	D
Atrazine	~	0.0514	U	0.0806	U	0.0629	U	0.0458	U	0.0442	U
Benzaldehyde	~	0.0514	U	0.0806	U	0.0629	U	0.0458	U	0.0442	U
Benzidine	~	0.205	U	0.322	U	0.251	U	0.183	U	0.176	U
Benzo(a)anthracene	5.6	1.310	D	0.0806	U	0.0629	U	0.823	D	1.210	D
Benzo(a)pyrene	1	1.610	D	0.0806	U	0.0629	U	0.973	D	1.440	D
Benzo(b)fluoranthene	5.6	1.370	D	0.0806	U	0.0629	U	0.851	D	1.160	D
Benzo(g,h,i)perylene	500	1.060	D	0.0806	U	0.0629	U	0.591	D	0.820	D
Benzo(k)fluoranthene	56	1.130	D	0.0806	U	0.0629	U	0.748	D	1.080	D
Benzoic acid	~	0.0514	U	0.0806	U	0.0629	U	0.0458	U	0.0442	U
Benzyl alcohol	~	0.0514	U	0.0806	U	0.0629	U	0.0458	U	0.0442	U
Benzyl butyl phthalate	~	0.0514	U	0.0806	U	0.0629	U	0.0458	U	0.380	D
Bis(2-chloroethoxy)methane	~	0.0514	U	0.0806	U	0.0629	U	0.0458	U	0.0442	U
Bis(2-chloroethyl)ether	~	0.0514	U	0.0806	U	0.0629	U	0.0458	U	0.0442	U
Bis(2-chloroisopropyl)ether	~	0.0514	U	0.0806	U	0.0629	U	0.0458	U	0.0442	U
Bis(2-ethylhexyl)phthalate	~	0.0514	U	0.0806	U	0.0629	U	0.0458	U	0.200	D
Caprolactam	~	0.103	U	0.161	U	0.126	U	0.0915	U	0.0881	U
Carbazole	~	0.180	D	0.0806	U	0.0629	U	0.137	D	0.277	D
Chrysene	56	1.350	D	0.0806	U	0.0629	U	0.853	D	1.150	D
Dibenzo(a,h)anthracene	0.56	0.460	D	0.0806	U	0.0629	U	0.279	D	0.366	D
Dibenzofuran	350	0.0639	JD	0.0806	U	0.0629	U	0.114	D	0.259	D
Diethyl phthalate	~	0.0514	U	0.0806	U	0.0629	U	0.0458	U	0.0442	U
Dimethyl phthalate	~	0.0514	U	0.0806	U	0.0629	U	0.0458	U	0.0442	U
Di-n-butyl phthalate	~	0.0514	U	0.0806	U	0.0629	U	0.0458	U	0.0627	JD
Di-n-octyl phthalate	~	0.0514	U	0.0806	U	0.0629	U	0.0458	U	0.0662	JD
Fluoranthene	500	3.050	D	0.0806	U	0.0629	U	1.960	D	3.270	D
Fluorene	500	0.163	D	0.0806	U	0.0629	U	0.154	D	0.397	D
Hexachlorobenzene	6	0.0514	U	0.0806	U	0.0629	U	0.0458	U	0.0442	U
Hexachlorobutadiene	~	0.0514	U	0.0806	U	0.0629	U	0.0458	U	0.0442	U
Hexachlorocyclopentadiene	~	0.0514	U	0.0806	U	0.0629	U	0.0458	U	0.0442	U
Hexachloroethane	~	0.0514	U	0.0806	U	0.0629	U	0.0458	U	0.0442	U
Indeno(1,2,3-cd)pyrene	5.6	0.970	D	0.0806	U	0.0629	U	0.582	D	0.792	D
Isophorone	~	0.0514	U	0.0806	U	0.0629	U	0.0458	U	0.0442	U
Naphthalene	500	0.0623	JD	0.0806	U	0.0629	U	0.120	D	0.628	D
Nitrobenzene	~	0.0514	U	0.0806	U	0.0629	U	0.0458	U	0.0442	U
N-Nitrosodimethylamine	~	0.0514	U	0.0806	U	0.0629	U	0.0458	U	0.0442	U
N-nitroso-di-n-propylamine	~	0.0514	U	0.0806	U	0.0629	U	0.0458	U	0.0442	U
N-Nitrosodiphenylamine	~	0.0514	U	0.0806	U	0.0629	U	0.0458	U	0.0442	U
Pentachlorophenol	6.7	0.0514	U	0.0806	U	0.0629	U	0.0458	U	0.0442	U
Phenanthrene	500	1.610	D	0.0806	U	0.0629	U	1.160	D	2.500	D

Table 1.2
130 Midland Avenue
Port Chester, New York

Laboratory Analytical Results for Soil in Test Borings GB-8 to GB-12

Sample ID Sampling Date Client Matrix	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives- Commercial	GB-8 (8-12) 1/29/2020 Soil		GB-9 (8-12) 1/30/2020 Soil		GB-10 (4-8) 1/29/2020 Soil		GB-11 (8-12) 1/30/2020 Soil		GB-12 (1-4) 1/31/2020 Soil	
		Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Phenol	500	0.0514	U	0.0806	U	0.0629	U	0.0458	U	0.0442	U
Pyrene	500	2.150	D	0.0806	U	0.0629	U	1.260	D	1.930	D
Pyridine	~	0.205	U	0.322	U	0.251	U	0.183	U	0.176	U
PEST, 8081 MASTER (mg/kg)											
4,4'-DDD	92	0.00203	U	0.00318	U	0.00366	U	0.00182	U	0.00175	U
4,4'-DDE	62	0.00203	U	0.00318	U	0.00366	U	0.00182	U	0.00175	U
4,4'-DDT	47	0.0194	D	0.00318	U	0.00366	U	0.00837	D	0.00175	U
Aldrin	0.68	0.00203	U	0.00318	U	0.00366	U	0.00182	U	0.00175	U
alpha-BHC	3.4	0.00203	U	0.00318	U	0.00366	U	0.00182	U	0.00175	U
alpha-Chlordane	24	0.00203	U	0.00318	U	0.00366	U	0.00182	U	0.00175	U
beta-BHC	3	0.00203	U	0.00318	U	0.00366	U	0.00182	U	0.00175	U
Chlordane, total	~	0.0406	U	0.0637	U	0.0732	U	0.0364	U	0.0350	U
delta-BHC	500	0.00203	U	0.00318	U	0.00366	U	0.00182	U	0.00175	U
Dieldrin	1.4	0.00203	U	0.00318	U	0.00366	U	0.00182	U	0.00175	U
Endosulfan I	200	0.00203	U	0.00318	U	0.00366	U	0.00182	U	0.00175	U
Endosulfan II	200	0.00203	U	0.00318	U	0.00366	U	0.00182	U	0.00175	U
Endosulfan sulfate	200	0.00203	U	0.00318	U	0.00366	U	0.00182	U	0.00175	U
Endrin	89	0.00203	U	0.00318	U	0.00366	U	0.00182	U	0.00175	U
Endrin aldehyde	~	0.00203	U	0.00318	U	0.00366	U	0.00182	U	0.00175	U
Endrin ketone	~	0.00203	U	0.00318	U	0.00366	U	0.00182	U	0.00175	U
gamma-BHC (Lindane)	9.2	0.00203	U	0.00318	U	0.00366	U	0.00182	U	0.00175	U
gamma-Chlordane	~	0.00203	U	0.00318	U	0.00366	U	0.00182	U	0.00175	U
Heptachlor	15	0.00203	U	0.00318	U	0.00366	U	0.00182	U	0.00175	U
Heptachlor epoxide	~	0.00203	U	0.00318	U	0.00366	U	0.00182	U	0.00175	U
Methoxychlor	~	0.00203	U	0.00318	U	0.00366	U	0.00182	U	0.00175	U
Toxaphene	~	0.203	U	0.318	U	0.366	U	0.182	U	0.175	U
Metals, Target Analyte (mg/kg)											
Aluminum	~	10,000	B	12,900		28,900	B	13,400		7,450	
Antimony	~	3.080	U	4.840	U	3.790	U	2.770	U	2.660	U
Arsenic	16	5.440		2.900	U	3.650		6.600		10.900	
Barium	400	116		75.500		214		162		221	
Beryllium	590	0.0620	U	0.0970	U	0.0760	U	0.0550	U	0.0530	U
Cadmium	9.3	1.970		0.581	U	0.454	U	3.630		1.760	
Calcium	~	12,000		3,520		4,900		18,100		20,800	
Chromium	~	36.900		34.600		152		51.400		27.400	
Cobalt	~	9.200		13.500		25.500		12.100		7.310	
Copper	270	47.800		32.200		26.800		88.700		411	
Iron	~	22,800		18,400		24,300		31,600		23,300	
Lead	1000	90		9.440		10.700		203		472	
Magnesium	~	5,810		5,280		5,280		9,000		6,550	
Manganese	10000	261		152		552		373		322	
Nickel	310	30.700		66		279		46.600		23.600	
Potassium	~	2,970		1,870		1,150		3,490		1,930	B
Selenium	1500	3.080	U	4.840	U	3.790	U	2.770	U	2.660	U
Silver	1500	0.617	U	0.968	U	0.757	U	0.554	U	0.532	U
Sodium	~	196		132		1,380		165		244	
Thallium	~	3.080	U	4.840	U	3.790	U	2.770	U	2.660	U
Vanadium	~	30.700		30.800		36.100		39.800		25	
Zinc	10000	152		76.900		57.800		284		398	
Mercury by 7473 (mg/kg)											
Mercury	2.8	0.296		0.0581	U	0.101		0.224		0.166	
HERB, 8151 MASTER (mg/kg)											
2,4,5-T	~	0.0245	U	0.0381	U	0.0302	U	0.0220	U	0.0212	U
2,4,5-TP (Silvex)	500	0.0245	U	0.0381	U	0.0302	U	0.0220	U	0.0212	U
2,4-D	~	0.0245	U	0.0381	U	0.0302	U	0.0220	U	0.0212	U
PCB, 8082 MASTER (mg/kg)											
Aroclor 1016	~	0.0205	U	0.0321	U	0.0369	U	0.0184	U	0.0177	U
Aroclor 1221	~	0.0205	U	0.0321	U	0.0369	U	0.0184	U	0.0177	U
Aroclor 1232	~	0.0205	U	0.0321	U	0.0369	U	0.0184	U	0.0177	U
Aroclor 1242	~	0.0205	U	0.0321	U	0.0369	U	0.0184	U	0.0177	U
Aroclor 1248	~	0.0205	U	0.0321	U	0.0369	U	0.0184	U	0.0177	U
Aroclor 1254	~	0.0885		0.0321	U	0.0369	U	0.0318		0.0881	
Aroclor 1260	~	0.0205	U	0.0321	U	0.0369	U	0.0184	U	0.0177	U
Total PCBs	1	0.0885		0.0321	U	0.0369	U	0.0318		0.0881	
Result Exceedance Dectected											

Q is the Qualifier Column with definitions as follows:

D=result is from an analysis that required a dilution

J=analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimated

U=analyte not detected at or above the level indicated

B=analyte found in the analysis batch blank

Table 1.3
130 Midland Avenue
Port Chester, New York

Laboratory Analysis of Soil from Monitor Well Installations MW-1 to MW-6

Sample ID York ID Sampling Date Client Matrix	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives- Commercial	MW-1 (5-14)		MW-3 (5-9)		MW-4 (2-7)		MW-5 (5-9)		MW-6 (4-8)	
		20A1088-08		20A1088-07		20A1125-01		20A1125-02		20A1088-05	
		1/29/2020		1/29/2020		1/30/2020		1/30/2020		1/29/2020	
		Soil		Soil		Soil		Soil		Soil	
		Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
VOA, 8260 MASTER (mg/kg)											
1,1,1,2-Tetrachloroethane	~	0.00440	U	0.00170	U	0.00290	U	0.00220	U	0.00230	U
1,1,1-Trichloroethane	500	0.00440	U	0.00170	U	0.00290	U	0.00220	U	0.00230	U
1,1,2,2-Tetrachloroethane	~	0.00440	U	0.00170	U	0.00290	U	0.00220	U	0.00230	U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	~	0.00440	U	0.00170	U	0.00290	U	0.00220	U	0.00230	U
1,1,2-Trichloroethane	~	0.00440	U	0.00170	U	0.00290	U	0.00220	U	0.00230	U
1,1-Dichloroethane	240	0.00440	U	0.00170	U	0.00290	U	0.00220	U	0.00230	U
1,1-Dichloroethylene	500	0.00440	U	0.00170	U	0.00290	U	0.00220	U	0.00230	U
1,1-Dichloropropylene	~	0.00440	U	0.00170	U	0.00290	U	0.00220	U	0.00230	U
1,2,3-Trichlorobenzene	~	0.00440	U	0.00170	U	0.00290	U	0.00220	U	0.00230	U
1,2,3-Trichloropropane	~	0.00440	U	0.00170	U	0.00290	U	0.00220	U	0.00230	U
1,2,4,5-Tetramethylbenzene	~	0.00440	U	0.00170	U	0.00290	U	0.00220	U	0.00230	U
1,2,4-Trichlorobenzene	~	0.00440	U	0.00170	U	0.00290	U	0.00220	U	0.00230	U
1,2,4-Trimethylbenzene	190	0.00440	U	0.00170	U	0.00290	U	0.00220	U	0.00230	U
1,2-Dibromo-3-chloropropane	~	0.00440	U	0.00170	U	0.00740		0.00460		0.00230	U
1,2-Dibromoethane	~	0.00440	U	0.00170	U	0.00290	U	0.00220	U	0.00230	U
1,2-Dichlorobenzene	500	0.00440	U	0.00170	U	0.00290	U	0.00220	U	0.00230	U
1,2-Dichloroethane	30	0.00440	U	0.00170	U	0.00320	J	0.00230	J	0.00230	U
1,2-Dichloropropane	~	0.00440	U	0.00170	U	0.00290	U	0.00220	U	0.00230	U
1,3,5-Trimethylbenzene	190	0.00440	U	0.00170	U	0.00290	U	0.00220	U	0.00230	U
1,3-Dichlorobenzene	280	0.00440	U	0.00170	U	0.00290	U	0.00220	U	0.00230	U
1,3-Dichloropropane	~	0.00440	U	0.00170	U	0.00290	U	0.00220	U	0.00230	U
1,4-Dichlorobenzene	130	0.00440	U	0.00170	U	0.00290	U	0.00220	U	0.00230	U
1,4-Dioxane	130	0.0880	U	0.0340	U	0.0590	U	0.0430	U	0.0470	U
2,2-Dichloropropane	~	0.00440	U	0.00170	U	0.00290	U	0.00220	U	0.00230	U
2-Butanone	500	0.0160		0.00170	U	0.00520	J	0.00420	J	0.00230	U
2-Chloroethylvinyl ether	~	0.0180	U	0.00690	U	0.0120	U	0.00870	U	0.00930	U
2-Chlorotoluene	~	0.00440	U	0.00170	U	0.00290	U	0.00220	U	0.00230	U
2-Hexanone	~	0.00440	U	0.00170	U	0.00290	U	0.00220	U	0.00230	U
4-Chlorotoluene	~	0.00440	U	0.00170	U	0.00290	U	0.00220	U	0.00230	U
4-Methyl-2-pentanone	~	0.00440	U	0.00170	U	0.00290	U	0.00220	U	0.00230	U
Acetone	500	0.0560		0.00340	U	0.0290		0.0200		0.00720	J
Acrolein	~	0.00880	U	0.00340	U	0.00590	U	0.00430	U	0.00470	U
Acrylonitrile	~	0.00440	U	0.00170	U	0.00290	U	0.00220	U	0.00230	U
Allyl chloride	~	0.00440	U	0.00170	U	0.00290	U	0.00220	U	0.00230	U
Benzene	44	0.00440	U	0.00170	U	0.00290	U	0.00220	U	0.00230	U
Bromobenzene	~	0.00440	U	0.00170	U	0.00290	U	0.00220	U	0.00230	U
Bromochloromethane	~	0.00440	U	0.00170	U	0.00290	U	0.00220	U	0.00230	U
Bromodichloromethane	~	0.00440	U	0.00170	U	0.00290	U	0.00220	U	0.00230	U
Bromoform	~	0.00440	U	0.00170	U	0.00640		0.00470		0.00230	U
Bromomethane	~	0.00440	U	0.00170	U	0.00290	U	0.00220	U	0.00230	U
Carbon disulfide	~	0.00440	U	0.00170	U	0.00290	U	0.00220	U	0.00230	U
Carbon tetrachloride	22	0.00440	U	0.00170	U	0.00290	U	0.00220	U	0.00230	U
Chlorobenzene	500	0.00440	U	0.00170	U	0.00290	U	0.00220	U	0.00230	U
Chloroethane	~	0.00440	U	0.00170	U	0.00290	U	0.00220	U	0.00230	U
Chloroform	350	0.00440	U	0.00170	U	0.00290	U	0.00220	U	0.00230	U
Chloromethane	~	0.00440	U	0.00170	U	0.00290	U	0.00220	U	0.00230	U
cis-1,2-Dichloroethylene	500	0.00440	U	0.00170	U	0.00290	U	0.00220	U	0.00230	U
cis-1,3-Dichloropropylene	~	0.00440	U	0.00170	U	0.00290	U	0.00220	U	0.00230	U
Cyclohexane	~	0.00440	U	0.00170	U	0.00290	U	0.00220	U	0.00230	U
Dibromochloromethane	~	0.00440	U	0.00170	U	0.00420	J	0.00220	U	0.00230	U
Dibromomethane	~	0.00440	U	0.00170	U	0.00290	U	0.00220	U	0.00230	U
Dichlorodifluoromethane	~	0.00440	U	0.00170	U	0.00290	U	0.00220	U	0.00230	U
Diisopropyl ether (DIPE)	~	0.00710	U	0.00280	U	0.00470	U	0.00350	U	0.00370	U
Ethanol	~	0.0710	U	0.0280	U	0.0470	U	0.0350	U	0.0370	U
Ethyl Benzene	390	0.00440	U	0.00170	U	0.00290	U	0.00220	U	0.00230	U
Ethyl tert-butyl ether (ETBE)	~	0.00710	U	0.00280	U	0.00470	U	0.00350	U	0.00370	U
Hexachlorobutadiene	~	0.00440	U	0.00170	U	0.00290	U	0.00220	U	0.00230	U
Iodomethane	~	0.00440	U	0.00170	U	0.00290	U	0.00220	U	0.00230	U
Isopropylbenzene	~	0.00440	U	0.00170	U	0.00290	U	0.00220	U	0.00230	U
Methyl acetate	~	0.00440	U	0.00170	U	0.00290	U	0.00220	U	0.00230	U
Methyl Methacrylate	~	0.00440	U	0.00170	U	0.00290	U	0.00220	U	0.00230	U
Methyl tert-butyl ether (MTBE)	500	0.00440	U	0.00170	U	0.00290	U	0.00220	U	0.00230	U
Methylcyclohexane	~	0.00440	U	0.00170	U	0.00290	U	0.00220	U	0.00230	U
Methylene chloride	500	0.00880	U	0.00340	U	0.00590	U	0.00430	U	0.00470	U
Naphthalene	500	0.00790	J	0.0120		0.00290	U	0.00220	U	0.00230	U
n-Butylbenzene	500	0.00440	U	0.00170	U	0.00290	U	0.00220	U	0.00230	U
n-Propylbenzene	500	0.00440	U	0.00170	U	0.00290	U	0.00220	U	0.00230	U
o-Xylene	~	0.00440	U	0.00170	U	0.00290	U	0.00220	U	0.00230	U
p- & m- Xylenes	~	0.00880	U	0.00340	U	0.00590	U	0.00430	U	0.00470	U
p-Diethylbenzene	~	0.00440	U	0.00170	U	0.00290	U	0.00220	U	0.00230	U
p-Ethyltoluene	~	0.00440	U	0.00170	U	0.00290	U	0.00220	U	0.00230	U
p-Isopropyltoluene	~	0.00440	U	0.00170	U	0.00290	U	0.00220	U	0.00230	U
sec-Butylbenzene	500	0.00440	U	0.00170	U	0.00290	U	0.00220	U	0.00230	U
Styrene	~	0.00440	U	0.00170	U	0.00290	U	0.00220	U	0.00230	U
tert-Amyl alcohol (TAA)	~	0.0710	U	0.0280	U	0.0470	U	0.0350	U	0.0370	U
tert-Amyl methyl ether (TAME)	~	0.00710	U	0.00280	U	0.00470	U	0.00350	U	0.00370	U
tert-Butyl alcohol (TBA)	~	0.00440	U	0.00170	U	0.00290	U	0.00220	U	0.00230	U
tert-Butylbenzene	500	0.00440	U	0.00170	U	0.00290	U	0.00220	U	0.00230	U
Tetrachloroethylene	150	0.00440	U	0.00170	U	0.00290	U	0.00220	U	0.00230	U
Tetrahydrofuran	~	0.00880	U	0.00340	U	0.00590	U	0.00430	U	0.00470	U
Toluene	500	0.00440	U	0.00170	U	0.00290	U	0.00220	U	0.00230	U
trans-1,2-Dichloroethylene	500	0.00440	U	0.00170	U	0.00290	U	0.00220	U	0.00230	U
trans-1,3-Dichloropropylene	~	0.00440	U	0.00170	U	0.00290	U	0.00220	U	0.00230	U
trans-1,4-dichloro-2-butene	~	0.00440	U	0.00170	U	0.00290	U	0.00220	U	0.00230	U
Trichloroethylene	200	0.00440	U	0.00170	U	0.00290	U	0.00220	U	0.00230	U

Table 1.3
130 Midland Avenue
Port Chester, New York

Laboratory Analysis of Soil from Monitor Well Installations MW-1 to MW-6

Sample ID York ID Sampling Date Client Matrix	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives- Commercial	MW-1 (5-14)		MW-3 (5-9)		MW-4 (2-7)		MW-5 (5-9)		MW-6 (4-8)	
		20A1088-08		20A1088-07		20A1125-01		20A1125-02		20A1088-05	
		1/29/2020		1/29/2020		1/30/2020		1/30/2020		1/29/2020	
		Soil		Soil		Soil		Soil		Soil	
		Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Trichlorofluoromethane	~	0.00440	U	0.00170	U	0.00290	U	0.00220	U	0.00230	U
Vinyl acetate	~	0.00440	U	0.00170	U	0.00290	U	0.00220	U	0.00230	U
Vinyl Chloride	13	0.00440	U	0.00170	U	0.00290	U	0.00220	U	0.00230	U
Xylenes, Total	500	0.0130	U	0.00520	U	0.00880	U	0.00650	U	0.00700	U
Semi-Volatiles, 1,4-Dioxane by 8270-SIM (mg/kg)											
1,4-Dioxane	130	0.00990	U	0.00980	U	0.00943	U	0.00990	U	0.00980	U
SVOA, 8270 MASTER (mg/kg)											
1,1-Biphenyl	~	0.0733	U	0.0473	U	0.0489	U	0.0509	U	0.0473	U
1,2,4,5-Tetrachlorobenzene	~	0.146	U	0.0944	U	0.0977	U	0.101	U	0.0944	U
1,2,4-Trichlorobenzene	~	0.0733	U	0.0473	U	0.0489	U	0.0509	U	0.0473	U
1,2-Dichlorobenzene	500	0.0733	U	0.0473	U	0.0489	U	0.0509	U	0.0473	U
1,2-Diphenylhydrazine (as Azobenzene)	~	0.0733	U	0.0473	U	0.0489	U	0.0509	U	0.0473	U
1,3-Dichlorobenzene	280	0.0733	U	0.0473	U	0.0489	U	0.0509	U	0.0473	U
1,4-Dichlorobenzene	130	0.0733	U	0.0473	U	0.0489	U	0.0509	U	0.0473	U
2,3,4,6-Tetrachlorophenol	~	0.146	U	0.0944	U	0.0977	U	0.101	U	0.0944	U
2,4,5-Trichlorophenol	~	0.0733	U	0.0473	U	0.0489	U	0.0509	U	0.0473	U
2,4,6-Trichlorophenol	~	0.0733	U	0.0473	U	0.0489	U	0.0509	U	0.0473	U
2,4-Dichlorophenol	~	0.0733	U	0.0473	U	0.0489	U	0.0509	U	0.0473	U
2,4-Dimethylphenol	~	0.0733	U	0.0473	U	0.0489	U	0.0509	U	0.0473	U
2,4-Dinitrophenol	~	0.146	U	0.0944	U	0.0977	U	0.101	U	0.0944	U
2,4-Dinitrotoluene	~	0.0733	U	0.0473	U	0.0489	U	0.0509	U	0.0473	U
2,6-Dinitrotoluene	~	0.0733	U	0.0473	U	0.0489	U	0.0509	U	0.0473	U
2-Chloronaphthalene	~	0.0733	U	0.0473	U	0.0489	U	0.0509	U	0.0473	U
2-Chlorophenol	~	0.0733	U	0.0473	U	0.0489	U	0.0509	U	0.0473	U
2-Methylnaphthalene	~	0.0733	U	0.0558	JD	0.0843	JD	0.0600	JD	0.0473	U
2-Methylphenol	500	0.0733	U	0.0473	U	0.0489	U	0.0509	U	0.0473	U
2-Nitroaniline	~	0.146	U	0.0944	U	0.0977	U	0.101	U	0.0944	U
2-Nitrophenol	~	0.0733	U	0.0473	U	0.0489	U	0.0509	U	0.0473	U
3- & 4-Methylphenols	~	0.0733	U	0.0473	U	0.0489	U	0.0509	U	0.0473	U
3,3-Dichlorobenzidine	~	0.0733	U	0.0473	U	0.0489	U	0.0509	U	0.0473	U
3-Nitroaniline	~	0.146	U	0.0944	U	0.0977	U	0.101	U	0.0944	U
4,6-Dinitro-2-methylphenol	~	0.146	U	0.0944	U	0.0977	U	0.101	U	0.0944	U
4-Bromophenyl phenyl ether	~	0.0733	U	0.0473	U	0.0489	U	0.0509	U	0.0473	U
4-Chloro-3-methylphenol	~	0.0733	U	0.0473	U	0.0489	U	0.0509	U	0.0473	U
4-Chloroaniline	~	0.0733	U	0.0473	U	0.0489	U	0.0509	U	0.0473	U
4-Chlorophenyl phenyl ether	~	0.0733	U	0.0473	U	0.0489	U	0.0509	U	0.0473	U
4-Nitroaniline	~	0.146	U	0.0944	U	0.0977	U	0.101	U	0.0944	U
4-Nitrophenol	~	0.146	U	0.0944	U	0.0977	U	0.101	U	0.0944	U
Acenaphthene	500	0.0733	U	0.0521	JD	0.399	D	0.0608	JD	0.0473	U
Acenaphthylene	500	0.0733	U	0.0473	U	0.329	D	0.189	D	0.0473	U
Acetophenone	~	0.0733	U	0.0473	U	0.0489	U	0.0509	U	0.0473	U
Aniline	~	0.293	U	0.189	U	0.196	U	0.203	U	0.189	U
Anthracene	500	0.0760	JD	0.0558	JD	0.875	D	0.266	D	0.0473	U
Atrazine	~	0.0733	U	0.0473	U	0.0489	U	0.0509	U	0.0473	U
Benzaldehyde	~	0.0733	U	0.0473	U	0.0489	U	0.0509	U	0.0473	U
Benzidine	~	0.293	U	0.189	U	0.196	U	0.203	U	0.189	U
Benzo(a)anthracene	5.6	0.140	JD	0.0732	JD	2.510	D	0.697	D	0.0473	U
Benzo(a)pyrene	1	0.132	JD	0.0657	JD	2.740	D	0.873	D	0.0473	U
Benzo(b)fluoranthene	5.6	0.117	JD	0.0521	JD	2.510	D	0.674	D	0.0473	U
Benzo(g,h,i)perylene	500	0.101	JD	0.0473	U	1.230	D	0.504	D	0.0473	U
Benzo(k)fluoranthene	56	0.111	JD	0.0506	JD	2.090	D	0.610	D	0.0473	U
Benzoic acid	~	0.0733	U	0.0473	U	0.0489	U	0.0509	U	0.0473	U
Benzyl alcohol	~	0.0733	U	0.0473	U	0.0489	U	0.0509	U	0.0473	U
Benzyl butyl phthalate	~	0.0733	U	0.0473	U	0.0489	U	0.0509	U	0.0473	U
Bis(2-chloroethoxy)methane	~	0.0733	U	0.0473	U	0.0489	U	0.0509	U	0.0473	U
Bis(2-chloroethyl)ether	~	0.0733	U	0.0473	U	0.0489	U	0.0509	U	0.0473	U
Bis(2-chloroisopropyl)ether	~	0.0733	U	0.0473	U	0.0489	U	0.0509	U	0.0473	U
Bis(2-ethylhexyl)phthalate	~	0.0733	U	0.0473	U	0.0489	U	0.0509	U	0.0473	U
Caprolactam	~	0.146	U	0.0944	U	0.0977	U	0.101	U	0.0944	U
Carbazole	~	0.0733	U	0.0473	U	0.184	D	0.0568	JD	0.0473	U
Chrysene	56	0.145	JD	0.0641	JD	2.540	D	0.676	D	0.0473	U
Dibenzo(a,h)anthracene	0.56	0.0733	U	0.0473	U	0.571	D	0.221	D	0.0473	U
Dibenzofuran	350	0.0733	U	0.0473	U	0.224	D	0.0511	JD	0.0473	U
Diethyl phthalate	~	0.0733	U	0.0473	U	0.0489	U	0.0509	U	0.0473	U
Dimethyl phthalate	~	0.0733	U	0.0473	U	0.0489	U	0.0509	U	0.0473	U
Di-n-butyl phthalate	~	0.0733	U	0.0473	U	0.0489	U	0.0509	U	0.0473	U
Di-n-octyl phthalate	~	0.0733	U	0.0473	U	0.0489	U	0.0509	U	0.0473	U
Fluoranthene	500	0.368	D	0.195	D	6.790	D	1.420	D	0.0473	U
Fluorene	500	0.0733	U	0.0724	JD	0.318	D	0.0754	JD	0.0473	U
Hexachlorobenzene	6	0.0733	U	0.0473	U	0.0489	U	0.0509	U	0.0473	U
Hexachlorobutadiene	~	0.0733	U	0.0473	U	0.0489	U	0.0509	U	0.0473	U
Hexachlorocyclopentadiene	~	0.0733	U	0.0473	U	0.0489	U	0.0509	U	0.0473	U
Hexachloroethane	~	0.0733	U	0.0473	U	0.0489	U	0.0509	U	0.0473	U
Indeno(1,2,3-cd)pyrene	5.6	0.0877	JD	0.0473	U	1.320	D	0.488	D	0.0473	U
Isophorone	~	0.0733	U	0.0473	U	0.0489	U	0.0509	U	0.0473	U
Naphthalene	500	0.0733	U	0.0973	D	0.152	D	0.0509	U	0.0473	U
Nitrobenzene	~	0.0733	U	0.0473	U	0.0489	U	0.0509	U	0.0473	U
N-Nitrosodimethylamine	~	0.0733	U	0.0473	U	0.0489	U	0.0509	U	0.0473	U
N-nitroso-di-n-propylamine	~	0.0733	U	0.0473	U	0.0489	U	0.0509	U	0.0473	U
N-Nitrosodiphenylamine	~	0.0733	U	0.0473	U	0.0489	U	0.0509	U	0.0473	U
Pentachlorophenol	6.7	0.0733	U	0.0473	U	0.0489	U	0.0509	U	0.0473	U
Phenanthrene	500	0.339	D	0.240	D	2.040	D	0.792	D	0.0473	U
Phenol	500	0.0733	U	0.0473	U	0.0489	U	0.0509	U	0.0473	U
Pyrene	500	0.264	D	0.131	D	4.860	D	1.010	D	0.0473	U
Pyridine	~	0.293	U	0.189	U	0.196	U	0.203	U	0.189	U

Table 1.3
130 Midland Avenue
Port Chester, New York

Laboratory Analysis of Soil from Monitor Well Installations MW-1 to MW-6

Sample ID York ID Sampling Date Client Matrix	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives- Commercial	MW-1 (5-14)		MW-3 (5-9)		MW-4 (2-7)		MW-5 (5-9)		MW-6 (4-8)	
		20A1088-08		20A1088-07		20A1125-01		20A1125-02		20A1088-05	
		1/29/2020		1/29/2020		1/30/2020		1/30/2020		1/29/2020	
		Soil		Soil		Soil		Soil		Soil	
		Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
PEST, 8081 MASTER (mg/kg)											
4,4'-DDD	92	0.00289	U	0.00188	U	0.00193	U	0.00204	U	0.00189	U
4,4'-DDE	62	0.00289	U	0.00188	U	0.00193	U	0.00204	U	0.00189	U
4,4'-DDT	47	0.00289	U	0.00188	U	0.00193	U	0.00204	U	0.00189	U
Aldrin	0.68	0.00289	U	0.00188	U	0.00193	U	0.00204	U	0.00189	U
alpha-BHC	3.4	0.00289	U	0.00188	U	0.00193	U	0.00204	U	0.00189	U
alpha-Chlordane	24	0.00289	U	0.00188	U	0.00193	U	0.00204	U	0.00189	U
beta-BHC	3	0.00289	U	0.00188	U	0.00193	U	0.00204	U	0.00189	U
Chlordane, total	~	0.0579	U	0.0376	U	0.0386	U	0.0408	U	0.0377	U
delta-BHC	500	0.00289	U	0.00188	U	0.00193	U	0.00204	U	0.00189	U
Dieldrin	1.4	0.00289	U	0.00188	U	0.00193	U	0.00204	U	0.00189	U
Endosulfan I	200	0.00289	U	0.00188	U	0.00193	U	0.00204	U	0.00189	U
Endosulfan II	200	0.00289	U	0.00188	U	0.00193	U	0.00204	U	0.00189	U
Endosulfan sulfate	200	0.00289	U	0.00188	U	0.00193	U	0.00204	U	0.00189	U
Endrin	89	0.00289	U	0.00188	U	0.00193	U	0.00204	U	0.00189	U
Endrin aldehyde	~	0.00289	U	0.00188	U	0.00193	U	0.00204	U	0.00189	U
Endrin ketone	~	0.00289	U	0.00188	U	0.00193	U	0.00204	U	0.00189	U
gamma-BHC (Lindane)	9.2	0.00289	U	0.00188	U	0.00193	U	0.00204	U	0.00189	U
gamma-Chlordane	~	0.00289	U	0.00188	U	0.00193	U	0.00204	U	0.00189	U
Heptachlor	15	0.00289	U	0.00188	U	0.00193	U	0.00204	U	0.00189	U
Heptachlor epoxide	~	0.00289	U	0.00188	U	0.00193	U	0.00204	U	0.00189	U
Methoxychlor	~	0.00289	U	0.00188	U	0.00193	U	0.00204	U	0.00189	U
Toxaphene	~	0.289	U	0.188	U	0.193	U	0.204	U	0.189	U
Metals, Target Analyte (mg/kg)											
Aluminum	~	13,100	B	12,800	B	10,300		12,600		6,310	B
Antimony	~	4.410	U	2.870	U	2.940	U	3.110	U	2.870	U
Arsenic	16	6.210		1.720	U	7.700		12.500		1.720	U
Barium	400	159		133		115		193		50	
Beryllium	590	0.0880	U	0.0570	U	0.0590	U	0.0620	U	0.0570	U
Cadmium	9.3	0.661		0.344	U	1.790		3.700		0.344	U
Calcium	~	21,200		4,490		44,300		18,000		1,630	
Chromium	~	65.700		45		40.900		34.300		13.300	
Cobalt	~	11		24.800		10.500		18.100		6.080	
Copper	270	41.500		57.400		63.200		144		15.400	
Iron	~	22,100		36,100		42,900		34,700		10,500	
Lead	1000	64.500		15.300		128		239		2.690	
Magnesium	~	12,600		5,710		17,400		5,390		2,600	
Manganese	10000	267		449		503		277		97.400	
Nickel	310	62.500		73		33.900		46.300		12.800	
Potassium	~	2,620		4,700		3,790		2,460		2,110	
Selenium	1500	4.410	U	2.870	U	2.940	U	3.110	U	2.870	U
Silver	1500	0.883	U	0.574	U	0.587	U	0.622	U	0.573	U
Sodium	~	727		180		271		436		170	
Thallium	~	4.410	U	2.870	U	2.940	U	3.110	U	2.870	U
Vanadium	~	29.900		31.100		44.700		35.100		17.900	
Zinc	10000	167		75.100		277		375		28	
Mercury by 7473 (mg/kg)											
Mercury	2.8	0.260		0.0344	U	0.918		0.451		0.0344	U
HERB, 8151 MASTER (mg/kg)											
2,4,5-T	~	0.0349	U	0.0227	U	0.0229	U	0.0246	U	0.0228	U
2,4,5-TP (Silvex)	500	0.0349	U	0.0227	U	0.0229	U	0.0246	U	0.0228	U
2,4-D	~	0.0349	U	0.0227	U	0.0229	U	0.0246	U	0.0228	U
PCB, 8082 MASTER (mg/kg)											
Aroclor 1016	~	0.0292	U	0.0190	U	0.0195	U	0.0206	U	0.0190	U
Aroclor 1221	~	0.0292	U	0.0190	U	0.0195	U	0.0206	U	0.0190	U
Aroclor 1232	~	0.0292	U	0.0190	U	0.0195	U	0.0206	U	0.0190	U
Aroclor 1242	~	0.0292	U	0.0190	U	0.0195	U	0.0206	U	0.0190	U
Aroclor 1248	~	0.0292	U	0.0190	U	0.0195	U	0.0206	U	0.0190	U
Aroclor 1254	~	0.0292	U	0.0190	U	0.155		0.0206	U	0.0190	U
Aroclor 1260	~	0.0292	U	0.0190	U	0.0195	U	0.0206	U	0.0190	U
Total PCBs	1	0.0292	U	0.0190	U	0.155		0.0206	U	0.0190	U
Result Exceedance Dectected											

Q is the Qualifier Column with definitions as follows:
D=result is from an analysis that required a dilution
J=analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimated
U=analyte not detected at or above the level indicated
B=analyte found in the analysis batch blank

Table 1.4
130 Midland Avenue
Port Chester, New York

Laboratory Analytical Results for PFAS Soil GB- 1 to GB- 6

Sample ID York ID Sampling Date Client Matrix	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives- Commercial	GB-1 20A1034-01 1/28/2020 12:00:00 AM Soil		GB-2 20A1034-02 1/28/2020 12:00:00 AM Soil		GB-3 20A1034-03 1/28/2020 12:00:00 AM Soil		GB-4 20A1034-04 1/28/2020 12:00:00 AM Soil		GB-5 20A1034-05 1/28/2020 12:00:00 AM Soil		GB-6 20A1034-06 1/28/2020 12:00:00 AM Soil	
Compound		Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
PFAS, NYSDEC Target List (mg/kg)													
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	~	0.00094	U	0.00083	U	0.00088	U	0.00084	U	0.00077	U	0.00092	U
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	~	0.00094	U	0.00083	U	0.00088	U	0.00084	U	0.00077	U	0.00092	U
N-EtFOSAA	~	0.00094	U	0.00083	U	0.00088	U	0.00084	U	0.00077	U	0.00092	U
N-MeFOSAA	~	0.00094	U	0.00083	U	0.00088	U	0.00084	U	0.00077	U	0.00092	U
Perfluoro-1-decanesulfonic acid (PFDS)	~	0.00094	U	0.00083	U	0.00088	U	0.00084	U	0.00077	U	0.00092	U
Perfluoro-1-heptanesulfonic acid (PFHpS)	~	0.00094	U	0.00083	U	0.00088	U	0.00084	U	0.00077	U	0.00092	U
Perfluoro-1-octanesulfonamide (FOSA)	~	0.00094	U	0.00083	U	0.00088	U	0.00084	U	0.00077	U	0.00092	U
Perfluorobutanesulfonic acid (PFBS)	~	0.00094	U	0.00083	U	0.00088	U	0.00084	U	0.00077	U	0.00092	U
Perfluorodecanoic acid (PFDA)	~	0.00094	U	0.00083	U	0.00088	U	0.00084	U	0.00077	U	0.00092	U
Perfluorododecanoic acid (PFDoA)	~	0.00094	U	0.00083	U	0.00088	U	0.00084	U	0.00077	U	0.00092	U
Perfluoroheptanoic acid (PFHpA)	~	0.00094	U	0.00083	U	0.00088	U	0.00084	U	0.00077	U	0.00092	U
Perfluorohexanesulfonic acid (PFHxS)	~	0.00094	U	0.00083	U	0.00088	U	0.00084	U	0.00077	U	0.00092	U
Perfluorohexanoic acid (PFHxA)	~	0.00094	U	0.00083	U	0.00088	U	0.00084	U	0.00077	U	0.00092	U
Perfluoro-n-butanoic acid (PFBA)	~	0.00094	U	0.00083	U	0.00088	U	0.00084	U	0.00077	U	0.00092	U
Perfluorononanoic acid (PFNA)	~	0.00094	U	0.00083	U	0.00088	U	0.00084	U	0.00077	U	0.00092	U
Perfluorooctanesulfonic acid (PFOS)	~	0.00094	U	0.00083	U	0.00088	U	0.00084	U	0.00089		0.00092	U
Perfluorooctanoic acid (PFOA)	~	0.00094	U	0.00083	U	0.00088	U	0.00084	U	0.00077	U	0.00092	U
Perfluoropentanoic acid (PFPeA)	~	0.00094	U	0.00083	U	0.00088	U	0.00084	U	0.00077	U	0.00092	U
Perfluorotetradecanoic acid (PFTA)	~	0.00094	U	0.00083	U	0.00088	U	0.00084	U	0.00077	U	0.00092	U
Perfluorotridecanoic acid (PFTrDA)	~	0.00094	U	0.00083	U	0.00088	U	0.00084	U	0.00077	U	0.00092	U
Perfluoroundecanoic acid (PFUnA)	~	0.00094	U	0.00083	U	0.00088	U	0.00084	U	0.00077	U	0.00092	U

Result Detected

Q is the Qualifier Column with definitions as follows:

D=result is from an analysis that required a dilution

J=analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimated

U=analyte not detected at or above the level indicated

B=analyte found in the analysis batch blank

E=result is estimated and cannot be accurately reported due to levels encountered or interferences

P=this flag is used for pesticide and PCB (Aroclor) target compounds when there is a % difference for detected concentrations that exceed method dictated limits between the two GC columns used for analysis

NT=this indicates the analyte was not a target for this sample

Table 1.5
130 Midland Avenue
Port Chester, New York

Laboratory Analytical Results for PFAS Soil GB- 6 to GB- 12

Sample ID York ID Sampling Date Client Matrix	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives- Commercial	GB-7 (4-8) 20A1084-01 1/29/2020 Soil		GB-8 (4-8) 20A1084-02 1/29/2020 Soil		GB-9 20A1129-03 1/30/2020 Soil		GB-10 (4-8) 20A1084-04 1/29/2020 Soil		GB-11 20A1129-04 1/30/2020 Soil		GB-12 20B0006-01 1/31/2020 Soil	
Compound		Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
PFAS, NYSDEC Target List (mg/Kg)													
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	~	0.00082	U	0.00084	U	0.00089	U	0.00156	U	0.00169	U	0.00073	U
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	~	0.00082	U	0.00084	U	0.00089	U	0.00156	U	0.00169	U	0.00073	U
N-EtFOSAA	~	0.00082	U	0.00084	U	0.00089	U	0.00156	U	0.00169	U	0.00073	U
N-MeFOSAA	~	0.00082	U	0.00084	U	0.00089	U	0.00156	U	0.00169	U	0.00073	U
Perfluoro-1-decanesulfonic acid (PFDS)	~	0.00082	U	0.00084	U	0.00089	U	0.00156	U	0.00169	U	0.00073	U
Perfluoro-1-heptanesulfonic acid (PFHpS)	~	0.00082	U	0.00084	U	0.00089	U	0.00156	U	0.00169	U	0.00073	U
Perfluoro-1-octanesulfonamide (FOSA)	~	0.00082	U	0.00084	U	0.00089	U	0.00156	U	0.00169	U	0.00073	U
Perfluorobutanesulfonic acid (PFBS)	~	0.00082	U	0.00084	U	0.00089	U	0.00156	U	0.00169	U	0.00073	U
Perfluorodecanoic acid (PFDA)	~	0.00082	U	0.00084	U	0.00089	U	0.00156	U	0.00169	U	0.00073	U
Perfluorododecanoic acid (PFDoA)	~	0.00082	U	0.00084	U	0.00089	U	0.00156	U	0.00169	U	0.00073	U
Perfluoroheptanoic acid (PFHpA)	~	0.00082	U	0.00084	U	0.00089	U	0.00156	U	0.00169	U	0.00073	U
Perfluorohexanesulfonic acid (PFHxS)	~	0.00082	U	0.00084	U	0.00089	U	0.00156	U	0.00169	U	0.00073	U
Perfluorohexanoic acid (PFHxA)	~	0.00082	U	0.00084	U	0.00089	U	0.00156	U	0.00169	U	0.00073	U
Perfluoro-n-butanoic acid (PFBA)	~	0.00082	U	0.00084	U	0.00089	U	0.00156	U	0.00169	U	0.00073	U
Perfluorononanoic acid (PFNA)	~	0.00082	U	0.00084	U	0.00089	U	0.00156	U	0.00169	U	0.00073	U
Perfluorooctanesulfonic acid (PFOS)	~	0.00082	U	0.00084	U	0.00089	U	0.00156	U	0.00169	U	0.00073	U
Perfluorooctanoic acid (PFOA)	~	0.00082	U	0.00084	U	0.00089	U	0.00156	U	0.00169	U	0.00073	U
Perfluoropentanoic acid (PFPeA)	~	0.00082	U	0.00084	U	0.00089	U	0.00156	U	0.00169	U	0.00073	U
Perfluorotetradecanoic acid (PFTA)	~	0.00082	U	0.00084	U	0.00089	U	0.00156	U	0.00169	U	0.00073	U
Perfluorotridecanoic acid (PFTrDA)	~	0.00082	U	0.00084	U	0.00089	U	0.00156	U	0.00169	U	0.00073	U
Perfluoroundecanoic acid (PFUnA)	~	0.00082	U	0.00084	U	0.00089	U	0.00156	U	0.00169	U	0.00073	U

Result Detected

Q is the Qualifier Column with definitions as follows:

D=result is from an analysis that required a dilution

J=analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimated

U=analyte not detected at or above the level indicated

B=analyte found in the analysis batch blank

E=result is estimated and cannot be accurately reported due to levels encountered or interferences

P=this flag is used for pesticide and PCB (Aroclor) target compounds when there is a % difference for detected concentrations that exceed method dictated limits between the two GC columns used for analysis

NT=this indicates the analyte was not a target for this sample

~=this indicates that no regulatory limit has been established for this analyte

Table 1.6
130 Midland Avenue
Port Chester, New York

Laboratory Analytical Results for PFAS Soil MW-1 to MW- 6

Sample ID	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives- Commercial	MW-1 (5-14)		MW-3 (5-9)		MW-4		MW-5		MW-6 (4-8)	
York ID		20A1084-06		20A1084-05		20A1129-01		20A1129-02		20A1084-03	
Sampling Date		1/29/2020		1/29/2020		1/30/2020		1/30/2020		1/29/2020	
Client Matrix		Soil		Soil		Soil		Soil		Soil	
Compound		Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
PFAS, NYSDEC Target List (mg/Kg)											
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	~	0.00084	U	0.00079	U	0.00082	U	0.00082	U	0.00083	U
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	~	0.00084	U	0.00079	U	0.00082	U	0.00082	U	0.00083	U
N-EtFOSAA	~	0.00084	U	0.00079	U	0.00082	U	0.00082	U	0.00083	U
N-MeFOSAA	~	0.00084	U	0.00079	U	0.00082	U	0.00082	U	0.00083	U
Perfluoro-1-decanesulfonic acid (PFDS)	~	0.00084	U	0.00079	U	0.00082	U	0.00082	U	0.00083	U
Perfluoro-1-heptanesulfonic acid (PFHpS)	~	0.00084	U	0.00079	U	0.00082	U	0.00082	U	0.00083	U
Perfluoro-1-octanesulfonamide (FOSA)	~	0.00084	U	0.00079	U	0.00082	U	0.00082	U	0.00083	U
Perfluorobutanesulfonic acid (PFBS)	~	0.00084	U	0.00079	U	0.00109		0.00082	U	0.00083	U
Perfluorodecanoic acid (PFDA)	~	0.00084	U	0.00079	U	0.00082	U	0.00082	U	0.00083	U
Perfluorododecanoic acid (PFDoA)	~	0.00084	U	0.00079	U	0.00082	U	0.00082	U	0.00083	U
Perfluoroheptanoic acid (PFHpA)	~	0.00084	U	0.00079	U	0.00082	U	0.00082	U	0.00083	U
Perfluorohexanesulfonic acid (PFHxS)	~	0.00084	U	0.00079	U	0.00082	U	0.00082	U	0.00083	U
Perfluorohexanoic acid (PFHxA)	~	0.00084	U	0.00079	U	0.00082	U	0.00082	U	0.00083	U
Perfluoro-n-butanoic acid (PFBA)	~	0.00084	U	0.00079	U	0.00082	U	0.00082	U	0.00083	U
Perfluorononanoic acid (PFNA)	~	0.00084	U	0.00079	U	0.00082	U	0.00082	U	0.00083	U
Perfluorooctanesulfonic acid (PFOS)	~	0.00084	U	0.00079	U	0.00082	U	0.00082	U	0.00083	U
Perfluorooctanoic acid (PFOA)	~	0.00084	U	0.00079	U	0.00082	U	0.00082	U	0.00083	U
Perfluoropentanoic acid (PFPeA)	~	0.00084	U	0.00079	U	0.00082	U	0.00082	U	0.00083	U
Perfluorotetradecanoic acid (PFTA)	~	0.00084	U	0.00079	U	0.00082	U	0.00082	U	0.00083	U
Perfluorotridecanoic acid (PFTrDA)	~	0.00084	U	0.00079	U	0.00082	U	0.00082	U	0.00083	U
Perfluoroundecanoic acid (PFUnA)	~	0.00084	U	0.00079	U	0.00082	U	0.00082	U	0.00083	U
Result Detected											

Q is the Qualifier Column with definitions as follows:

D=result is from an analysis that required a dilution

J=analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimated

U=analyte not detected at or above the level indicated

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P=this flag is used for pesticide and PCB (Aroclor) target compounds when there is a % difference for detected concentrations that exceed method dictated limits between the two GC columns used for analysis

NT=this indicates the analyte was not a target for this sample

~=this indicates that no regulatory limit has been established for this analyte

Table 2
130 Midland Avenue
Port Chester, New York

Laboratory Analytical Results for Groundwater in Monitoring Wells MW- 1 to MW - 6

Sample ID York ID Sampling Date Client Matrix	NYSDEC TOGS Standards and Guidance Values - GA	MW-1 20B0501-01 2/13/2020 Water		MW-2 20B0501-02 2/13/2020 Water		MW-3 20B0608-01 2/14/2020 Water		MW-4 20B0608-02 2/14/2020 Water		MW-5 20B0737-01 2/19/2020 12:00:00 AM Water		MW-6 20B0608-03 2/14/2020 Water	
Compound		Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
VOA, 8260 LOW MASTER (ug/L)													
1,1,1,2-Tetrachloroethane	5	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U
1,1,1-Trichloroethane	5	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U
1,1,2,2-Tetrachloroethane	5	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	5	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U
1,1,2-Trichloroethane	1	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U
1,1-Dichloroethane	5	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U
1,1-Dichloroethylene	5	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U
1,1-Dichloropropylene	5	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U
1,2,3-Trichlorobenzene	5	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U
1,2,3-Trichloropropane	0.04	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U
1,2,4,5-Tetramethylbenzene	~	0.200	U	24.800		0.200	U	0.200	U	0.200	U	0.200	U
1,2,4-Trichlorobenzene	5	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U
1,2,4-Trimethylbenzene	5	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U
1,2-Dibromo-3-chloropropane	0.04	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U
1,2-Dibromoethane	0.0006	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U
1,2-Dichlorobenzene	3	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U
1,2-Dichloroethane	0.6	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U
1,2-Dichloropropane	1	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U
1,3,5-Trimethylbenzene	5	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U
1,3-Dichlorobenzene	3	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U
1,3-Dichloropropane	5	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U
1,4-Dichlorobenzene	3	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U
1,4-Dioxane	~	40	U	40	U	40	U	40	U	40	U	40	U
2,2-Dichloropropane	5	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U
2-Butanone	50	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U
2-Chlorotoluene	5	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U
2-Hexanone	50	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U
4-Chlorotoluene	5	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U
4-Methyl-2-pentanone	~	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U
Acetone	50	1	U	1.680	J	2.070		1.560	J	1.360	J	1	U
Acrolein	~	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U
Acrylonitrile	~	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U
Benzene	1	0.200	U	0.320	J	0.200	U	0.200	U	0.200	U	0.200	U
Bromobenzene	5	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U
Bromochloromethane	5	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U
Bromodichloromethane	50	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U
Bromoform	50	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U
Bromomethane	5	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U
Carbon disulfide	~	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U
Carbon tetrachloride	5	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U
Chlorobenzene	5	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U
Chloroethane	5	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U
Chloroform	7	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U
Chloromethane	5	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U
cis-1,2-Dichloroethylene	5	0.200	U	0.200	U	0.710		0.200	U	0.200	U	0.200	U
cis-1,3-Dichloropropylene	0.4	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U
Cyclohexane	~	0.200	U	22.700		0.200	U	0.200	U	0.200	U	0.200	U
Dibromochloromethane	50	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U
Dibromomethane	~	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U
Dichlorodifluoromethane	5	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U
Ethyl Benzene	5	0.200	U	2.470		0.200	U	0.200	U	0.200	U	0.200	U
Isopropylbenzene	5	0.200	U	9.430		0.200	U	0.200	U	0.200	U	0.200	U
Methyl acetate	~	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U
Methyl tert-butyl ether (MTBE)	10	0.200	U	2.190		0.350	J	0.200	U	0.200	U	0.200	U
Methylcyclohexane	~	0.200	U	33.200		0.200	U	0.200	U	0.200	U	0.200	U
Methylene chloride	5	1	U	1	U	1	U	1	U	1	U	1	U
n-Butylbenzene	5	0.200	U	3.920		0.200	U	0.200	U	0.200	U	0.200	U
n-Propylbenzene	5	0.200	U	12.400		0.200	U	0.200	U	0.200	U	0.200	U
o-Xylene	5	0.200	U	2.340		0.200	U	0.200	U	0.200	U	0.200	U
p- & m- Xylenes	5	0.500	U	6.060		0.500	U	0.500	U	0.500	U	0.500	U
p-Isopropyltoluene	5	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U
sec-Butylbenzene	5	0.200	U	4.030		0.200	U	0.200	U	0.200	U	0.200	U
Styrene	5	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U
tert-Butyl alcohol (TBA)	~	0.500	U	0.500	U	0.500	U	0.500	U	0.500	U	0.500	U
tert-Butylbenzene	5	0.200	U	0.830		0.200	U	0.200	U	0.200	U	0.200	U
Tetrachloroethylene	5	0.200	U	0.2									

Table 2
130 Midland Avenue
Port Chester, New York

Laboratory Analytical Results for Groundwater in Monitoring Wells MW- 1 to MW - 6

Sample ID York ID Sampling Date Client Matrix	NYSDEC TOGS Standards and Guidance Values - GA	MW-1 20B0501-01 2/13/2020 Water		MW-2 20B0501-02 2/13/2020 Water		MW-3 20B0608-01 2/14/2020 Water		MW-4 20B0608-02 2/14/2020 Water		MW-5 20B0737-01 2/19/2020 12:00:00 AM Water		MW-6 20B0608-03 2/14/2020 Water	
Compound		Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
2-Methylphenol	1	2.780	U	2.780	U	2.630	U	2.780	U	2.700	U	2.560	U
2-Nitroaniline	5	2.780	U	2.780	U	2.630	U	2.780	U	2.700	U	2.560	U
2-Nitrophenol	1	2.780	U	2.780	U	2.630	U	2.780	U	2.700	U	2.560	U
3- & 4-Methylphenols	~	2.780	U	2.780	U	2.630	U	2.780	U	2.700	U	2.560	U
3,3-Dichlorobenzidine	5	2.780	U	2.780	U	2.630	U	2.780	U	2.700	U	2.560	U
3-Nitroaniline	5	2.780	U	2.780	U	2.630	U	2.780	U	2.700	U	2.560	U
4,6-Dinitro-2-methylphenol	~	2.780	U	2.780	U	2.630	U	2.780	U	2.700	U	2.560	U
4-Bromophenyl phenyl ether	~	2.780	U	2.780	U	2.630	U	2.780	U	2.700	U	2.560	U
4-Chloro-3-methylphenol	1	2.780	U	2.780	U	2.630	U	2.780	U	2.700	U	2.560	U
4-Chloroaniline	5	2.780	U	2.780	U	2.630	U	2.780	U	2.700	U	2.560	U
4-Chlorophenyl phenyl ether	~	2.780	U	2.780	U	2.630	U	2.780	U	2.700	U	2.560	U
4-Nitroaniline	5	2.780	U	2.780	U	2.630	U	2.780	U	2.700	U	2.560	U
4-Nitrophenol	1	5.560	U	5.560	U	5.260	U	5.560	U	5.410	U	5.130	U
Acetophenone	~	2.780	U	2.780	U	2.630	U	2.780	U	2.700	U	2.560	U
Aniline	5	2.780	U	2.780	U	2.630	U	2.780	U	2.700	U	2.560	U
Benzaldehyde	~	2.780	U	2.780	U	2.630	U	2.780	U	2.700	U	2.560	U
Benzidine	~	5.560	U	5.560	U	5.260	U	5.560	U	5.410	U	5.130	U
Benzoic acid	~	2.780	U	2.780	U	2.630	U	2.780	U	2.700	U	2.560	U
Benzyl alcohol	~	2.780	U	2.780	U	2.630	U	2.780	U	2.700	U	2.560	U
Benzyl butyl phthalate	50	2.780	U	2.780	U	2.630	U	2.780	U	2.700	U	2.560	U
Bis(2-chloroethoxy)methane	5	2.780	U	2.780	U	2.630	U	2.780	U	2.700	U	2.560	U
Bis(2-chloroethyl)ether	1	1.110	U	1.110	U	1.050	U	1.110	U	1.080	U	1.030	U
Bis(2-chloroisopropyl)ether	5	2.780	U	2.780	U	2.630	U	2.780	U	2.700	U	2.560	U
Caprolactam	~	2.780	U	2.780	U	2.630	U	2.780	U	2.700	U	2.560	U
Carbazole	~	2.780	U	2.780	U	2.630	U	2.780	U	2.700	U	2.560	U
Dibenzofuran	~	2.780	U	2.780	U	2.630	U	3.980	J	2.700	U	2.560	U
Diethyl phthalate	50	2.780	U	2.780	U	2.630	U	2.780	U	2.700	U	2.560	U
Dimethyl phthalate	50	2.780	U	2.780	U	2.630	U	2.780	U	2.700	U	2.560	U
Di-n-butyl phthalate	50	2.780	U	2.780	U	2.630	U	2.780	U	2.700	U	2.560	U
Di-n-octyl phthalate	50	2.780	U	2.780	U	2.630	U	2.780	U	2.700	U	2.560	U
Hexachlorocyclopentadiene	5	5.560	U	5.560	U	5.260	U	5.560	U	5.410	U	5.130	U
Isophorone	50	2.780	U	2.780	U	2.630	U	2.780	U	2.700	U	2.560	U
N-nitroso-di-n-propylamine	~	2.780	U	2.780	U	2.630	U	2.780	U	2.700	U	2.560	U
N-Nitrosodiphenylamine	50	2.780	U	2.780	U	2.630	U	2.780	U	2.700	U	2.560	U
Phenol	1	2.780	U	2.780	U	2.630	U	2.780	U	2.700	U	2.560	U
Pyridine	50	2.780	U	2.780	U	2.630	U	2.780	U	2.700	U	2.560	U
SVOA, 8270 SIM MASTER (ug/L)													
Acenaphthene	20	0.0778		1.130		2.080		5.170		0.238		0.164	
Acenaphthylene	~	0.0556	U	0.933		0.295		1		0.0541	U	0.0513	U
Anthracene	50	0.0556	U	0.267		0.505		0.689		0.0865		0.0513	U
Atrazine	~	0.556	U	0.556	U	0.526	U	0.556	U	0.541	U	0.513	U
Benzo(a)anthracene	0.002	0.0556	U	0.0556	U	0.0526	U	0.0778		0.108		0.0513	U
Benzo(a)pyrene	0.002	0.0556	U	0.0556	U	0.0526	U	0.0556		0.0973		0.0513	U
Benzo(b)fluoranthene	0.002	0.0556	U	0.0556	U	0.0526	U	0.0556		0.0757		0.0513	U
Benzo(g,h,i)perylene	~	0.0556	U	0.0556	U	0.0526	U	0.0556	U	0.0541		0.0513	U
Benzo(k)fluoranthene	0.002	0.0556	U	0.0556	U	0.0526	U	0.0556	U	0.0757		0.0513	U
Bis(2-ethylhexyl)phthalate	5	1.130	B	0.922	B	2.360		0.556	U	0.541	U	1.470	
Chrysene	0.002	0.0556	U	0.0556	U	0.0526	U	0.0556		0.0865		0.0513	U
Dibenzo(a,h)anthracene	~	0.0556	U	0.0556	U	0.0526	U	0.0556	U	0.0541	U	0.0513	U
Fluoranthene	50	0.0556	U	0.0556		0.305		0.811		0.292		0.0513	U
Fluorene	50	0.0667		4.440		1.650		5.190		0.108		0.144	
Hexachlorobenzene	0.04	0.0222	U	0.0222	U	0.0211	U	0.0222	U	0.0216	U	0.0205	U
Hexachlorobutadiene	0.5	0.556	U	0.556	U	0.526	U	0.556	U	0.541	U	0.513	U
Hexachloroethane	5	0.556	U	0.556	U	0.526	U	0.556	U	0.541	U	0.513	U
Indeno(1,2,3-cd)pyrene	0.002	0.0556	U	0.0556	U	0.0526	U	0.0556	U	0.0541		0.0513	U
Naphthalene	10	0.533	B	1.110	B	4.420		4.410		0.0541	U	0.277	
Nitrobenzene	0.4	0.278	U	0.278	U	0.263	U	0.278	U	0.270	U	0.256	U
N-Nitrosodimethylamine	~	0.556	U	0.556	U	0.526	U	0.556	U	0.541	U	0.513	U
Pentachlorophenol	1	0.278	U	0.278	U	0.263	U	0.278	U	0.270	U	0.256	U
Phenanthrene	50	0.100		1.400		0.600		5.330		0.184		0.103	
Pyrene	50	0.0556	U	0.0556	U	0.232		0.456		0.314		0.0513	U
Result Exceedance Detected													

Q is the Qualifier Column with definitions as follows:

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J=analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimated

U=analyte not detected at or above the level indicated

B=analyte found in the analysis batch blank

~=this indicates that no regulatory limit has been established for this analyte

Table 2.1
130 Midland Avenue
Port Chester, New York

Laboratory Analytical Results for PFAS in Monitoring Wells MW-1 to MW-6

Sample ID	NYSDEC TOGS Standards and Guidance Values - GA	MW-1 20B0500-01 2/13/2020 Water		MW-2 20B0500-02 2/13/2020 Water		MW-3 20B0604-01 2/14/2020 Water		MW-4 20B0604-02 2/14/2020 Water		MW-5 20B0718-01 2/19/2020 Water		MW-6 20B0604-03 2/14/2020 Water	
York ID		Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Sampling Date													
Client Matrix													
Compound													
PFAS, NYSDEC Target List (ug/L)													
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	~	0.00200	U	0.00200	U	0.00400	U	0.00200	U	0.00200	U	0.00200	U
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	~	0.00500	U	0.00500	U	0.0100	U	0.00500	J	0.00500	U	0.00500	U
N-EtFOSAA	~	0.00200	U	0.00200	U	0.00400	U	0.00200	U	0.00200	U	0.00200	U
N-MeFOSAA	~	0.00200	U	0.00200	U	0.00400	U	0.00200	U	0.00200	U	0.00200	U
Perfluoro-1-decanesulfonic acid (PFDS)	~	0.00200	J	0.00200	U	0.00400	U	0.00200	U	0.00200	U	0.00200	U
Perfluoro-1-heptanesulfonic acid (PFHpS)	~	0.00200	J	0.00200	U	0.00400	U	0.00200	U	0.00200	U	0.00200	U
Perfluoro-1-octanesulfonamide (FOSA)	~	0.00200	U	0.00200	U	0.00400	U	0.00200	U	0.00200	U	0.00200	U
Perfluorobutanesulfonic acid (PFBS)	~	0.00558		0.0171		0.0252	D	0.00429		0.00207		0.00235	
Perfluorodecanoic acid (PFDA)	~	0.00418		0.00200	U	0.00400	U	0.00200	U	0.00200	U	0.00200	U
Perfluorododecanoic acid (PFDoA)	~	0.00200	U	0.00200	U	0.00400	U	0.00200	U	0.00200	U	0.00200	U
Perfluoroheptanoic acid (PFHpA)	~	0.0131		0.00742		0.0148	D	0.0303		0.00790		0.00796	
Perfluorohexanesulfonic acid (PFHxS)	~	0.00393		0.00200	J	0.00960	D	0.00595		0.00446		0.00227	
Perfluorohexanoic acid (PFHxA)	~	0.0229		0.0247		0.0249	D	0.0355		0.0124		0.00971	
Perfluoro-n-butanoic acid (PFBA)	~	0.0122	B	0.0195	B	0.0163	BD	0.0269	B	0.00904	B	0.0115	B
Perfluorononanoic acid (PFNA)	~	0.00573		0.00200	U	0.00400	J	0.00228		0.00200	U	0.00200	J
Perfluorooctanesulfonic acid (PFOS)	~	0.0437		0.00200	J	0.0183	D	0.0218		0.00241		0.00866	
Perfluorooctanoic acid (PFOA)	~	0.0280		0.00200	J	0.0323	D	0.0212		0.00828		0.0103	
Perfluoropentanoic acid (PFPeA)	~	0.0249		0.0202		0.0182	D	0.0574		0.0174		0.0131	
Perfluorotetradecanoic acid (PFTA)	~	0.00200	J	0.00200	U	0.00400	U	0.00200	J	0.00200	U	0.00200	J
Perfluorotridecanoic acid (PFTrDA)	~	0.00200	U	0.00200	U	0.00400	U	0.00200	U	0.00200	U	0.00200	U
Perfluoroundecanoic acid (PFUnA)	~	0.00200	U	0.00200	U	0.00400	U	0.00200	U	0.00200	U	0.00200	U

Result Detected

Q is the Qualifier Column with definitions as follows:

- D=result is from an analysis that required a dilution
- J=analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimated
- U=analyte not detected at or above the level indicated
- B=analyte found in the analysis batch blank
- ~=this indicates that no regulatory limit has been established for this analyte

Table 3
130 Midland Avenue
Port Chester, New York

Laboratory Analysis of Vapor Points VP -1 to VP-4

Sample ID York ID Sampling Date Client Matrix	NYSDOH Background Standards - Indoor Air - Upper Fence	VP-1 20B0137-01 2/4/2020 Soil Vapor		VP-2 20B0137-02 2/4/2020 Soil Vapor		VP-3 20B0137-03 2/4/2020 Soil Vapor		VP-4 20B0137-04 2/4/2020 Soil Vapor	
Compound		Result	Q	Result	Q	Result	Q	Result	Q
VOA, TO15 MASTER (ug/m3)									
1,1,1,2-Tetrachloroethane	~	12.500	U	2.460	U	11.300	U	4.290	U
1,1,1-Trichloroethane	2.5	9.940	U	1.950	D	191	D	17	D
1,1,2,2-Tetrachloroethane	0.4	12.500	U	2.460	U	11.300	U	4.290	U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	2.5	14	U	2.750	U	12.600	U	4.790	U
1,1,2-Trichloroethane	0.4	9.940	U	1.950	U	8.990	U	3.410	U
1,1-Dichloroethane	0.4	7.370	U	1.450	U	6.670	U	2.530	U
1,1-Dichloroethylene	0.4	1.810	U	0.355	U	1.630	U	0.619	U
1,2,4-Trichlorobenzene	0.5	13.500	U	2.660	U	12.200	U	4.640	U
1,2,4-Trimethylbenzene	9.8	8.960	U	1.760	U	8.100	U	3.070	U
1,2-Dibromoethane	0.4	14	U	2.750	U	12.700	U	4.800	U
1,2-Dichlorobenzene	0.5	11	U	2.150	U	9.910	U	3.760	U
1,2-Dichloroethane	0.4	7.370	U	1.450	U	6.670	U	2.530	U
1,2-Dichloropropane	0.4	8.420	U	1.660	U	7.620	U	2.890	U
1,2-Dichlorotetrafluoroethane	0.4	12.700	U	2.500	U	11.500	U	4.370	U
1,3,5-Trimethylbenzene	3.9	8.960	U	1.760	U	8.100	U	3.070	U
1,3-Butadiene	~	12.100	U	2.380	U	10.900	U	4.150	U
1,3-Dichlorobenzene	0.5	11	U	2.150	U	9.910	U	3.760	U
1,3-Dichloropropane	~	8.420	U	1.660	U	7.620	U	2.890	U
1,4-Dichlorobenzene	1.2	11	U	2.150	U	9.910	U	3.760	U
1,4-Dioxane	~	13.100	U	2.580	U	11.900	U	4.500	U
2-Butanone	16	5.370	U	2.110	D	4.860	U	1.840	U
2-Hexanone	~	14.900	U	2.930	U	13.500	U	5.120	U
3-Chloropropene	~	28.500	U	5.610	U	25.800	U	9.780	U
4-Methyl-2-pentanone	1.9	7.460	U	1.470	U	6.750	U	2.560	U
Acetone	115	71.400	D	9.190	D	7.830	U	3.710	D
Acrylonitrile	~	3.950	U	0.777	U	3.580	U	1.360	U
Benzene	13	5.820	U	1.260	D	20	D	2	U
Benzyl chloride	~	9.430	U	1.850	U	8.530	U	3.230	U
Bromodichloromethane	~	12.200	U	2.400	U	11	U	4.190	U
Bromoform	~	18.800	U	3.700	U	17	U	6.460	U
Bromomethane	0.5	7.070	U	1.390	U	6.400	U	2.430	U
Carbon disulfide	~	17	D	20.600	D	5.130	U	1.950	U
Carbon tetrachloride	1.3	2.870	U	0.563	U	2.590	U	0.983	U
Chlorobenzene	0.4	8.390	U	1.650	U	7.590	U	2.880	U
Chloroethane	0.4	4.810	U	0.945	U	4.350	U	1.650	U
Chloroform	1.2	8.900	U	1.750	U	8.050	U	14.300	D
Chloromethane	4.2	3.760	U	0.740	U	3.400	U	1.290	U
cis-1,2-Dichloroethylene	0.4	199	D	1.700	D	1.630	U	0.619	U
cis-1,3-Dichloropropylene	0.4	8.270	U	1.630	U	7.480	U	2.840	U
Cyclohexane	6.3	6.270	U	1.230	U	5.670	U	2.150	U
Dibromochloromethane	~	15.500	U	3.050	U	14	U	5.320	U
Dichlorodifluoromethane	10	62.200	D	76.900	D	2,080	D	790	D
Ethyl acetate	~	13.100	U	2.580	U	11.900	U	4.500	U
Ethyl Benzene	6.4	7.910	U	1.560	U	7.160	U	2.710	U
Hexachlorobutadiene	0.5	19.400	U	3.820	U	17.600	U	6.660	U
Isopropanol	~	8.960	U	1.760	U	8.100	U	3.070	U
Methyl Methacrylate	0.4	7.460	U	1.470	U	6.750	U	2.560	U
Methyl tert-butyl ether (MTBE)	14	6.570	U	1.290	U	5.940	U	2.250	U
Methylene chloride	16	12.700	U	2.490	U	11.400	U	4.340	U
n-Heptane	18	7.470	U	1.470	U	6.750	U	2.560	U
n-Hexane	14	6.420	U	1.260	U	5.810	U	2.200	U
o-Xylene	7.1	7.910	U	1.560	U	7.160	U	2.710	U
p- & m- Xylenes	11	15.800	U	3.110	U	14.300	U	5.430	U
p-Ethyltoluene	~	8.960	U	1.760	U	8.100	U	3.070	U
Propylene	~	3.140	U	0.616	U	2.840	U	1.080	U
Styrene	1.4	7.760	U	1.530	U	7.020	U	2.660	U
Tetrachloroethylene	2.5	7,970	D	1,190	D	19	D	11.900	D
Tetrahydrofuran	0.8	10.700	U	2.110	U	9.720	U	3.690	U
Toluene	57	6.870	U	1.620	D	6.210	U	2.350	U
trans-1,2-Dichloroethylene	~	10.100	D	1.420	U	6.530	U	2.480	U
trans-1,3-Dichloropropylene	~	8.270	U	1.630	U	7.480	U	2.840	U
Trichloroethylene	0.5	98.900	D	41.800	D	2.210	U	0.839	U
Trichlorofluoromethane (Freon 11)	12	10.200	U	4.230	D	21.300	D	167	D
Vinyl acetate	~	6.420	U	1.260	U	5.800	U	2.200	U
Vinyl bromide	~	7.970	U	1.570	U	7.210	U	2.730	U
Vinyl Chloride	0.4	1.160	U	0.229	U	1.050	U	0.399	U
Exceedance Dectected									

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Table 3.1
130 Midland Avenue
Port Chester, New York

Laboratory Analysis of Vapor Points VP -5 to VP-8

Sample ID York ID Sampling Date Client Matrix	NYSDOH Background Standards - Indoor Air - Upper Fence	VP-5 20B0137-05 2/4/2020 Soil Vapor		VP-6 20B0137-06 2/4/2020 Soil Vapor		VP-7 20B0137-07 2/4/2020 Soil Vapor		VP-8 20B0692-01 2/19/2020 Soil Vapor	
Compound		Result	Q	Result	Q	Result	Q	Result	Q
VOA, TO15 MASTER (ug/m3)									
1,1,1,2-Tetrachloroethane	~	1.140	U	1.190	U	12.500	U	1.130	U
1,1,1-Trichloroethane	2.5	33.700	D	0.944	U	9.940	U	0.898	U
1,1,2,2-Tetrachloroethane	0.4	1.140	U	1.190	U	12.500	U	1.130	U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	2.5	1.280	U	1.330	U	14	U	1.260	U
1,1,2-Trichloroethane	0.4	0.909	U	0.944	U	9.940	U	0.898	U
1,1-Dichloroethane	0.4	2.090	D	0.700	U	7.370	U	0.666	U
1,1-Dichloroethylene	0.4	0.165	U	0.171	U	1.810	U	0.163	U
1,2,4-Trichlorobenzene	0.5	1.240	U	1.280	U	13.500	U	1.220	U
1,2,4-Trimethylbenzene	9.8	3.600	D	1.530	D	8.960	U	0.809	U
1,2-Dibromoethane	0.4	1.280	U	1.330	U	14	U	1.260	U
1,2-Dichlorobenzene	0.5	1	U	1.040	U	11	U	0.990	U
1,2-Dichloroethane	0.4	0.674	U	0.700	U	7.370	U	0.666	U
1,2-Dichloropropane	0.4	0.770	U	0.799	U	8.420	U	0.761	U
1,2-Dichlorotetrafluoroethane	0.4	1.160	U	1.210	U	12.700	U	1.150	U
1,3,5-Trimethylbenzene	3.9	1.310	D	0.850	U	8.960	U	0.809	U
1,3-Butadiene	~	1.110	U	1.150	U	12.100	U	1.090	U
1,3-Dichlorobenzene	0.5	1	U	1.040	U	11	U	0.990	U
1,3-Dichloropropane	~	0.770	U	0.799	U	8.420	U	0.761	U
1,4-Dichlorobenzene	1.2	1	U	1.040	U	11	U	0.990	U
1,4-Dioxane	~	1.200	U	1.250	U	13.100	U	1.190	U
2-Butanone	16	2.460	D	4.640	D	50.500	D	2.960	D
2-Hexanone	~	1.360	U	1.420	U	14.900	U	1.350	U
3-Chloropropene	~	2.610	U	2.710	U	28.500	U	2.580	U
4-Methyl-2-pentanone	1.9	2.320	D	3.470	D	7.460	U	0.674	U
Acetone	115	22.300	D	160	D	1,430	D	193	D
Acrylonitrile	~	0.362	U	0.375	U	3.950	U	0.357	U
Benzene	13	70.600	D	1.270	D	5.820	U	0.631	D
Benzyl chloride	~	0.863	U	0.896	U	9.430	U	0.852	U
Bromodichloromethane	~	1.120	U	1.160	U	12.200	U	1.100	U
Bromoform	~	1.720	U	1.790	U	18.800	U	1.700	U
Bromomethane	0.5	0.647	U	0.672	U	7.070	U	0.639	U
Carbon disulfide	~	12.700	D	0.539	U	49.900	D	0.564	D
Carbon tetrachloride	1.3	0.262	U	0.435	D	2.870	U	0.518	D
Chlorobenzene	0.4	0.767	U	0.796	U	8.390	U	0.758	U
Chloroethane	0.4	1.490	D	0.456	U	4.810	U	0.434	U
Chloroform	1.2	1.790	D	0.845	U	8.900	U	0.804	U
Chloromethane	4.2	0.344	U	1.180	D	3.760	U	1.460	D
cis-1,2-Dichloroethylene	0.4	0.165	U	0.171	U	2.170	D	0.163	U
cis-1,3-Dichloropropylene	0.4	0.756	U	0.785	U	8.270	U	0.747	U
Cyclohexane	6.3	4.650	D	0.595	U	17.600	D	0.567	U
Dibromochloromethane	~	1.420	U	1.470	U	15.500	U	1.400	U
Dichlorodifluoromethane	10	54.500	D	1.800	D	9.010	U	2.280	D
Ethyl acetate	~	1.200	U	1.500	D	13.100	U	1.190	U
Ethyl Benzene	6.4	1.450	D	0.826	D	7.910	U	0.715	U
Hexachlorobutadiene	0.5	1.780	U	1.850	U	19.400	U	1.760	U
Isopropanol	~	1.270	D	16.800	D	8.960	U	2.270	D
Methyl Methacrylate	0.4	2.180	D	14.400	D	7.460	U	2.560	D
Methyl tert-butyl ether (MTBE)	14	0.601	U	0.624	U	6.570	U	0.593	U
Methylene chloride	16	1.850	D	1.560	D	12.700	U	1.140	U
n-Heptane	18	2.320	D	5.960	D	16.400	D	0.675	U
n-Hexane	14	1.410	D	1.220	D	18.600	D	0.638	D
o-Xylene	7.1	3.110	D	0.976	D	7.910	U	0.715	U
p- & m- Xylenes	11	5.640	D	2.700	D	15.800	U	1.430	U
p-Ethyltoluene	~	3.770	D	1.620	D	8.960	U	0.809	U
Propylene	~	0.287	U	0.298	U	3.140	U	0.283	U
Styrene	1.4	0.710	D	0.737	U	7.760	U	0.701	U
Tetrachloroethylene	2.5	5.760	D	1.410	D	17.300	D	2.230	D
Tetrahydrofuran	0.8	0.983	U	1.120	D	10.700	U	2.670	D
Toluene	57	3.200	D	4.240	D	6.870	U	1.980	D
trans-1,2-Dichloroethylene	~	0.661	U	0.686	U	7.220	U	0.653	U
trans-1,3-Dichloropropylene	~	0.756	U	0.785	U	8.270	U	0.747	U
Trichloroethylene	0.5	0.448	D	0.232	U	3.920	D	0.221	U
Trichlorofluoromethane (Freon 11)	12	74.900	D	1.360	D	10.200	U	1.390	D
Vinyl acetate	~	0.587	U	0.609	U	6.420	U	0.580	U
Vinyl bromide	~	0.729	U	0.757	U	7.970	U	0.720	U
Vinyl Chloride	0.4	0.106	U	0.111	U	1.160	U	0.105	U
Exceedance Dectected									

Q is the Qualifier Column with definitions as follows:

- D=result is from an analysis that required a dilution
- B=analyte found in the analysis batch blank
- J=analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimated
- U=analyte not detected at or above the level indicated

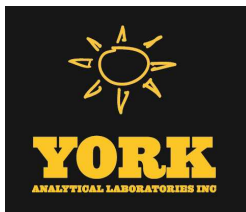
Table 3.2
130 Midland Avenue
Port Chester, New York

Laboratory Analysis of Ambient Vapor

Sample ID York ID Sampling Date Client Matrix	NYSDOH Background Standards - Indoor Air - Upper Fence	Indoor 20B0137-09 2/4/2020 Indoor Ambient Air		Outdoor 20B0137-10 2/4/2020 Outdoor Ambient Air	
Compound		Result	Q	Result	Q
VOA, TO15 MASTER (ug/m3)					
1,1,1,2-Tetrachloroethane	~	0.605	U	0.554	U
1,1,1-Trichloroethane	2.5	0.481	U	0.440	U
1,1,2,2-Tetrachloroethane	0.4	0.605	U	0.554	U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	2.5	0.676	U	0.680	D
1,1,2-Trichloroethane	0.4	0.481	U	0.440	U
1,1-Dichloroethane	0.4	0.357	U	0.327	U
1,1-Dichloroethylene	0.4	0.245	D	0.0800	U
1,2,4-Trichlorobenzene	0.5	0.655	U	0.599	U
1,2,4-Trimethylbenzene	9.8	4.640	D	1.790	D
1,2-Dibromoethane	0.4	0.678	U	0.620	U
1,2-Dichlorobenzene	0.5	0.530	U	0.485	U
1,2-Dichloroethane	0.4	0.357	U	0.327	U
1,2-Dichloropropane	0.4	0.408	U	0.373	U
1,2-Dichlorotetrafluoroethane	0.4	0.617	U	0.564	U
1,3,5-Trimethylbenzene	3.9	1.080	D	0.674	D
1,3-Butadiene	~	0.585	U	0.536	U
1,3-Dichlorobenzene	0.5	0.530	U	0.485	U
1,3-Dichloropropane	~	0.408	U	0.373	U
1,4-Dichlorobenzene	1.2	0.530	U	0.485	U
1,4-Dioxane	~	0.636	U	0.582	U
2-Butanone	16	1.170	D	1.140	D
2-Hexanone	~	0.723	U	0.661	U
3-Chloropropene	~	1.380	U	1.260	U
4-Methyl-2-pentanone	1.9	0.361	U	0.430	D
Acetone	115	78.200	D	10.200	D
Acrylonitrile	~	0.191	U	0.175	U
Benzene	13	1.240	D	1.160	D
Benzyl chloride	~	0.457	U	0.418	U
Bromodichloromethane	~	0.591	U	0.541	U
Bromoform	~	0.912	U	0.834	U
Bromomethane	0.5	0.342	U	0.313	U
Carbon disulfide	~	0.275	U	0.251	U
Carbon tetrachloride	1.3	0.499	D	0.558	D
Chlorobenzene	0.4	0.406	U	0.372	U
Chloroethane	0.4	0.233	U	0.213	U
Chloroform	1.2	0.431	U	0.394	U
Chloromethane	4.2	1.020	D	1.180	D
cis-1,2-Dichloroethylene	0.4	0.0874	U	0.0800	U
cis-1,3-Dichloropropylene	0.4	0.400	U	0.366	U
Cyclohexane	6.3	0.304	D	0.306	D
Dibromochloromethane	~	0.751	U	0.687	U
Dichlorodifluoromethane	10	2.660	D	1.720	D
Ethyl acetate	~	0.763	D	0.756	D
Ethyl Benzene	6.4	0.651	D	0.841	D
Hexachlorobutadiene	0.5	0.941	U	0.861	U
Isopropanol	~	3.900	D	4.840	D
Methyl Methacrylate	0.4	3.720	D	11	D
Methyl tert-butyl ether (MTBE)	14	0.318	U	0.291	U
Methylene chloride	16	1.870	D	0.897	D
n-Heptane	18	0.940	D	0.430	D
n-Hexane	14	0.902	D	0.996	D
o-Xylene	7.1	0.957	D	1.020	D
p- & m- Xylenes	11	2.180	D	2.840	D
p-Ethyltoluene	~	5.200	D	1.980	D
Propylene	~	0.152	U	0.139	U
Styrene	1.4	0.376	D	0.584	D
Tetrachloroethylene	2.5	295	D	1.200	D
Tetrahydrofuran	0.8	0.520	U	0.476	U
Toluene	57	3.590	D	4.080	D
trans-1,2-Dichloroethylene	~	0.350	U	0.320	U
trans-1,3-Dichloropropylene	~	0.400	U	0.366	U
Trichloroethylene	0.5	0.995	D	0.173	D
Trichlorofluoromethane (Freon 11)	12	5.010	D	1.500	D
Vinyl acetate	~	0.311	U	0.284	U
Vinyl bromide	~	0.386	U	0.353	U
Vinyl Chloride	0.4	0.0564	U	0.0516	U
Exceedance Detected					

Q is the Qualifier Column with definitions as follows:
D=result is from an analysis that required a dilution
J=analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimated
U=analyte not detected at or above the level indicated
B=analyte found in the analysis batch blank

APPENDIX 2:
Laboratory Analytical Report
For Soil



Technical Report

prepared for:

Hydro Environmental Solutions

One Deans Bridge Road

Somers NY, 10589

Attention: Bill Canavan

Report Date: 02/07/2020

Client Project ID: 130 Midland Avenue, Port Chester, New York

York Project (SDG) No.: 20A1033

CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037



New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

120 RESEARCH DRIVE
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STRATFORD, CT 06615
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132-02 89th AVENUE
FAX (203) 357-0166

RICHMOND HILL, NY 11418
ClientServices@yorklab.com

Hydro Environmental Solutions
One Deans Bridge Road
Somers NY, 10589
Attention: Bill Canavan

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on January 29, 2020 and listed below. The project was identified as your project: **130 Midland Avenue, Port Chester, New York.**

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>
20A1033-01	GB-1 (4-8)	Soil	01/28/2020	01/29/2020
20A1033-02	GB-2 (4-8)	Soil	01/28/2020	01/29/2020
20A1033-03	GB-3 (4-8)	Soil	01/28/2020	01/29/2020
20A1033-04	GB-3 (8-12)	Soil	01/28/2020	01/29/2020
20A1033-05	GB-4 (0-4)	Soil	01/28/2020	01/29/2020
20A1033-06	GB-4 (8-12)	Soil	01/28/2020	01/29/2020
20A1033-07	GB-5 (0-4)	Soil	01/28/2020	01/29/2020
20A1033-08	GB-6 (4-8)	Soil	01/28/2020	01/29/2020
20A1033-09	Trip Blank	Water	01/28/2020	01/29/2020

General Notes for York Project (SDG) No.: 20A1033

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:



Benjamin Gulizia
Laboratory Director

Date: 02/07/2020





Sample Information

Client Sample ID: GB-1 (4-8)

York Sample ID: 20A1033-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1033

130 Midland Avenue, Port Chester, New York

Soil

January 28, 2020 12:00 am

01/29/2020

Volatiles, 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	0.0045	0.0090	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 05:44	LLJ
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0045	0.0090	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 05:44	LLJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0045	0.0090	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 05:44	LLJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0045	0.0090	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	02/01/2020 06:22	02/02/2020 05:44	LLJ
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0045	0.0090	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 05:44	LLJ
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0045	0.0090	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 05:44	LLJ
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0045	0.0090	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 05:44	LLJ
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0045	0.0090	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 05:44	LLJ
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0045	0.0090	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 05:44	LLJ
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0045	0.0090	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	02/01/2020 06:22	02/02/2020 05:44	LLJ
95-93-2	* 1,2,4,5-Tetramethylbenzene	ND		mg/kg dry	0.0045	0.0090	1	EPA 8260C Certifications:	02/01/2020 06:22	02/02/2020 05:44	LLJ
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0045	0.0090	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 05:44	LLJ
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0045	0.0090	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 05:44	LLJ
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0045	0.0090	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 05:44	LLJ
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0045	0.0090	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 05:44	LLJ
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0045	0.0090	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 05:44	LLJ
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0045	0.0090	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 05:44	LLJ
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0045	0.0090	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 05:44	LLJ
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0045	0.0090	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 05:44	LLJ
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0045	0.0090	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 05:44	LLJ
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0045	0.0090	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 05:44	LLJ
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0045	0.0090	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 05:44	LLJ



Sample Information

Client Sample ID: GB-1 (4-8)

York Sample ID: 20A1033-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1033

130 Midland Avenue, Port Chester, New York

Soil

January 28, 2020 12:00 am

01/29/2020

Volatiles, 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
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.090	0.18	1	EPA 8260C Certifications:	02/01/2020 06:22 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2020 05:44	LLJ
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0045	0.0090	1	EPA 8260C Certifications:	02/01/2020 06:22 NELAC-NY10854,NELAC-NY12058,NJDEP	02/02/2020 05:44	LLJ
78-93-3	2-Butanone	ND		mg/kg dry	0.0045	0.0090	1	EPA 8260C Certifications:	02/01/2020 06:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2020 05:44	LLJ
110-75-8	2-Chloroethylvinyl ether	ND		mg/kg dry	0.018	0.036	1	EPA 8260C Certifications:	02/01/2020 06:22 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2020 05:44	LLJ
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0045	0.0090	1	EPA 8260C Certifications:	02/01/2020 06:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2020 05:44	LLJ
591-78-6	2-Hexanone	ND		mg/kg dry	0.0045	0.0090	1	EPA 8260C Certifications:	02/01/2020 06:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2020 05:44	LLJ
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0045	0.0090	1	EPA 8260C Certifications:	02/01/2020 06:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2020 05:44	LLJ
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0045	0.0090	1	EPA 8260C Certifications:	02/01/2020 06:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2020 05:44	LLJ
67-64-1	Acetone	0.015	J	mg/kg dry	0.0090	0.018	1	EPA 8260C Certifications:	02/01/2020 06:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2020 05:44	LLJ
107-02-8	Acrolein	ND		mg/kg dry	0.0090	0.018	1	EPA 8260C Certifications:	02/01/2020 06:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2020 05:44	LLJ
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0045	0.0090	1	EPA 8260C Certifications:	02/01/2020 06:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2020 05:44	LLJ
71-43-2	Benzene	ND		mg/kg dry	0.0045	0.0090	1	EPA 8260C Certifications:	02/01/2020 06:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2020 05:44	LLJ
108-86-1	Bromobenzene	ND		mg/kg dry	0.0045	0.0090	1	EPA 8260C Certifications:	02/01/2020 06:22 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2020 05:44	LLJ
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0045	0.0090	1	EPA 8260C Certifications:	02/01/2020 06:22 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2020 05:44	LLJ
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0045	0.0090	1	EPA 8260C Certifications:	02/01/2020 06:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2020 05:44	LLJ
75-25-2	Bromoform	ND		mg/kg dry	0.0045	0.0090	1	EPA 8260C Certifications:	02/01/2020 06:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2020 05:44	LLJ
74-83-9	Bromomethane	ND		mg/kg dry	0.0045	0.0090	1	EPA 8260C Certifications:	02/01/2020 06:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2020 05:44	LLJ
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0045	0.0090	1	EPA 8260C Certifications:	02/01/2020 06:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2020 05:44	LLJ
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0045	0.0090	1	EPA 8260C Certifications:	02/01/2020 06:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2020 05:44	LLJ
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0045	0.0090	1	EPA 8260C Certifications:	02/01/2020 06:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2020 05:44	LLJ
75-00-3	Chloroethane	ND		mg/kg dry	0.0045	0.0090	1	EPA 8260C Certifications:	02/01/2020 06:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2020 05:44	LLJ
67-66-3	Chloroform	ND		mg/kg dry	0.0045	0.0090	1	EPA 8260C Certifications:	02/01/2020 06:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2020 05:44	LLJ
74-87-3	Chloromethane	ND		mg/kg dry	0.0045	0.0090	1	EPA 8260C Certifications:	02/01/2020 06:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2020 05:44	LLJ



Sample Information

Client Sample ID: GB-1 (4-8)

York Sample ID: 20A1033-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1033

130 Midland Avenue, Port Chester, New York

Soil

January 28, 2020 12:00 am

01/29/2020

Volatiles, 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
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0045	0.0090	1	EPA 8260C Certifications:	02/01/2020 06:22	02/02/2020 05:44	LLJ
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0045	0.0090	1	EPA 8260C Certifications:	02/01/2020 06:22	02/02/2020 05:44	LLJ
110-82-7	Cyclohexane	ND		mg/kg dry	0.0045	0.0090	1	EPA 8260C Certifications:	02/01/2020 06:22	02/02/2020 05:44	LLJ
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0045	0.0090	1	EPA 8260C Certifications:	02/01/2020 06:22	02/02/2020 05:44	LLJ
74-95-3	Dibromomethane	ND		mg/kg dry	0.0045	0.0090	1	EPA 8260C Certifications:	02/01/2020 06:22	02/02/2020 05:44	LLJ
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0045	0.0090	1	EPA 8260C Certifications:	02/01/2020 06:22	02/02/2020 05:44	LLJ
108-20-3	* Diisopropyl ether (DIPE)	ND		mg/kg dry	0.0072	0.014	1	EPA 8260C Certifications:	02/01/2020 06:22	02/02/2020 05:44	LLJ
64-17-5	* Ethanol	ND		mg/kg dry	0.072	0.14	1	EPA 8260C Certifications:	02/01/2020 06:22	02/02/2020 05:44	LLJ
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0045	0.0090	1	EPA 8260C Certifications:	02/01/2020 06:22	02/02/2020 05:44	LLJ
637-92-3	* Ethyl tert-butyl ether (ETBE)	ND		mg/kg dry	0.0072	0.014	1	EPA 8260C Certifications:	02/01/2020 06:22	02/02/2020 05:44	LLJ
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0045	0.0090	1	EPA 8260C Certifications:	02/01/2020 06:22	02/02/2020 05:44	LLJ
74-88-4	* Iodomethane	ND		mg/kg dry	0.0045	0.0090	1	EPA 8260C Certifications:	02/01/2020 06:22	02/02/2020 05:44	LLJ
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0045	0.0090	1	EPA 8260C Certifications:	02/01/2020 06:22	02/02/2020 05:44	LLJ
79-20-9	Methyl acetate	ND		mg/kg dry	0.0045	0.0090	1	EPA 8260C Certifications:	02/01/2020 06:22	02/02/2020 05:44	LLJ
80-62-6	Methyl Methacrylate	ND		mg/kg dry	0.0045	0.0090	1	EPA 8260C Certifications:	02/01/2020 06:22	02/02/2020 05:44	LLJ
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0045	0.0090	1	EPA 8260C Certifications:	02/01/2020 06:22	02/02/2020 05:44	LLJ
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0045	0.0090	1	EPA 8260C Certifications:	02/01/2020 06:22	02/02/2020 05:44	LLJ
75-09-2	Methylene chloride	ND		mg/kg dry	0.0090	0.018	1	EPA 8260C Certifications:	02/01/2020 06:22	02/02/2020 05:44	LLJ
91-20-3	Naphthalene	0.0074	J	mg/kg dry	0.0045	0.018	1	EPA 8260C Certifications:	02/01/2020 06:22	02/02/2020 05:44	LLJ
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0045	0.0090	1	EPA 8260C Certifications:	02/01/2020 06:22	02/02/2020 05:44	LLJ
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0045	0.0090	1	EPA 8260C Certifications:	02/01/2020 06:22	02/02/2020 05:44	LLJ
95-47-6	o-Xylene	ND		mg/kg dry	0.0045	0.0090	1	EPA 8260C Certifications:	02/01/2020 06:22	02/02/2020 05:44	LLJ
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0090	0.018	1	EPA 8260C Certifications:	02/01/2020 06:22	02/02/2020 05:44	LLJ



Sample Information

Client Sample ID: GB-1 (4-8)

York Sample ID: 20A1033-01

York Project (SDG) No.

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20A1033

130 Midland Avenue, Port Chester, New York

Soil

January 28, 2020 12:00 am

01/29/2020

Volatiles, 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
105-05-5	* p-Diethylbenzene	ND		mg/kg dry	0.0045	0.0090	1	EPA 8260C Certifications:	02/01/2020 06:22	02/02/2020 05:44	LLJ
622-96-8	* p-Ethyltoluene	ND		mg/kg dry	0.0045	0.0090	1	EPA 8260C Certifications:	02/01/2020 06:22	02/02/2020 05:44	LLJ
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0045	0.0090	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 05:44	LLJ
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0045	0.0090	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 05:44	LLJ
100-42-5	Styrene	ND		mg/kg dry	0.0045	0.0090	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 05:44	LLJ
75-85-4	* tert-Amyl alcohol (TAA)	ND		mg/kg dry	0.072	0.14	1	EPA 8260C Certifications:	02/01/2020 06:22	02/02/2020 05:44	LLJ
994-05-8	* tert-Amyl methyl ether (TAME)	ND		mg/kg dry	0.0072	0.014	1	EPA 8260C Certifications:	02/01/2020 06:22	02/02/2020 05:44	LLJ
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0045	0.0090	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 05:44	LLJ
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0045	0.0090	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 05:44	LLJ
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0045	0.0090	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 05:44	LLJ
109-99-9	* Tetrahydrofuran	ND		mg/kg dry	0.0090	0.018	1	EPA 8260C Certifications:	02/01/2020 06:22	02/02/2020 05:44	LLJ
108-88-3	Toluene	ND		mg/kg dry	0.0045	0.0090	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 05:44	LLJ
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0045	0.0090	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 05:44	LLJ
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0045	0.0090	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 05:44	LLJ
110-57-6	* trans-1,4-dichloro-2-butene	ND		mg/kg dry	0.0045	0.0090	1	EPA 8260C Certifications: CTDOH	02/01/2020 06:22	02/02/2020 05:44	LLJ
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0045	0.0090	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 05:44	LLJ
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0045	0.0090	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 05:44	LLJ
108-05-4	Vinyl acetate	ND		mg/kg dry	0.0045	0.0090	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 05:44	LLJ
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0045	0.0090	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 05:44	LLJ
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.014	0.027	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	02/01/2020 06:22	02/02/2020 05:44	LLJ
107-05-1	* Allyl chloride	ND		mg/kg dry	0.0045	0.0090	1	EPA 8260C Certifications:	02/01/2020 06:22	02/02/2020 05:44	LLJ
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	107 %	77-125								
2037-26-5	Surrogate: SURR: Toluene-d8	105 %	85-120								



Sample Information

Client Sample ID: GB-1 (4-8)

York Sample ID: 20A1033-01

York Project (SDG) No.

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20A1033

130 Midland Avenue, Port Chester, New York

Soil

January 28, 2020 12:00 am

01/29/2020

Volatiles, 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
460-00-4	Surrogate: SURR: <i>p</i> -Bromofluorobenzene	104 %			76-130						

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

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	0.652		mg/kg dry	0.0493	0.0985	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 10:07	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0985	0.197	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 10:07	KH
120-82-1	1,2,4-Trichlorobenzene	ND	CCV-L	mg/kg dry	0.0493	0.0985	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 10:07	KH
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0493	0.0985	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	01/31/2020 13:44	02/03/2020 10:07	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0493	0.0985	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 10:07	KH
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0493	0.0985	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	01/31/2020 13:44	02/03/2020 10:07	KH
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0493	0.0985	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	01/31/2020 13:44	02/03/2020 10:07	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0985	0.197	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 10:07	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0493	0.0985	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 10:07	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0493	0.0985	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 10:07	KH
120-83-2	2,4-Dichlorophenol	ND	CCV-L	mg/kg dry	0.0493	0.0985	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 10:07	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0493	0.0985	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 10:07	KH
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0985	0.197	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 10:07	KH
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0493	0.0985	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 10:07	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0493	0.0985	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 10:07	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0493	0.0985	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 10:07	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0493	0.0985	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 10:07	KH
91-57-6	2-Methylnaphthalene	2.08	CCV-L	mg/kg dry	0.0493	0.0985	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 10:07	KH
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0493	0.0985	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 10:07	KH



Sample Information

Client Sample ID: GB-1 (4-8)

York Sample ID: 20A1033-01

York Project (SDG) No.

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130 Midland Avenue, Port Chester, New York

Soil

January 28, 2020 12:00 am

01/29/2020

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0985	0.197	2	EPA 8270D Certifications:	01/31/2020 13:44 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 10:07	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0493	0.0985	2	EPA 8270D Certifications:	01/31/2020 13:44 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 10:07	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0493	0.0985	2	EPA 8270D Certifications:	01/31/2020 13:44 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 10:07	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0493	0.0985	2	EPA 8270D Certifications:	01/31/2020 13:44 NELAC-NY10854,NJDEP,PADEP	02/03/2020 10:07	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0985	0.197	2	EPA 8270D Certifications:	01/31/2020 13:44 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 10:07	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND	CCV-L	mg/kg dry	0.0985	0.197	2	EPA 8270D Certifications:	01/31/2020 13:44 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 10:07	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0493	0.0985	2	EPA 8270D Certifications:	01/31/2020 13:44 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 10:07	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0493	0.0985	2	EPA 8270D Certifications:	01/31/2020 13:44 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 10:07	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0493	0.0985	2	EPA 8270D Certifications:	01/31/2020 13:44 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 10:07	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0493	0.0985	2	EPA 8270D Certifications:	01/31/2020 13:44 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 10:07	KH
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0985	0.197	2	EPA 8270D Certifications:	01/31/2020 13:44 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 10:07	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0985	0.197	2	EPA 8270D Certifications:	01/31/2020 13:44 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 10:07	KH
83-32-9	Acenaphthene	2.81		mg/kg dry	0.0493	0.0985	2	EPA 8270D Certifications:	01/31/2020 13:44 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 10:07	KH
208-96-8	Acenaphthylene	2.23		mg/kg dry	0.0493	0.0985	2	EPA 8270D Certifications:	01/31/2020 13:44 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 10:07	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0493	0.0985	2	EPA 8270D Certifications:	01/31/2020 13:44 NELAC-NY10854,NJDEP,PADEP	02/03/2020 10:07	KH
62-53-3	Aniline	ND		mg/kg dry	0.197	0.394	2	EPA 8270D Certifications:	01/31/2020 13:44 NELAC-NY10854,NJDEP,PADEP	02/03/2020 10:07	KH
120-12-7	Anthracene	9.47		mg/kg dry	0.247	0.492	10	EPA 8270D Certifications:	01/31/2020 13:44 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 01:51	KH
1912-24-9	Atrazine	ND	CCV-L	mg/kg dry	0.0493	0.0985	2	EPA 8270D Certifications:	01/31/2020 13:44 NELAC-NY10854,NJDEP,PADEP	02/03/2020 10:07	KH
100-52-7	Benzaldehyde	ND	CCV-L	mg/kg dry	0.0493	0.0985	2	EPA 8270D Certifications:	01/31/2020 13:44 NELAC-NY10854,NJDEP,PADEP	02/03/2020 10:07	KH
92-87-5	Benzidine	ND	CCV-L	mg/kg dry	0.197	0.394	2	EPA 8270D Certifications:	01/31/2020 13:44 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 10:07	KH
56-55-3	Benzo(a)anthracene	12.9		mg/kg dry	0.247	0.492	10	EPA 8270D Certifications:	01/31/2020 13:44 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 01:51	KH
50-32-8	Benzo(a)pyrene	10.1		mg/kg dry	0.247	0.492	10	EPA 8270D Certifications:	01/31/2020 13:44 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 01:51	KH
205-99-2	Benzo(b)fluoranthene	8.17		mg/kg dry	0.247	0.492	10	EPA 8270D Certifications:	01/31/2020 13:44 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 01:51	KH



Sample Information

Client Sample ID: GB-1 (4-8)

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20A1033

130 Midland Avenue, Port Chester, New York

Soil

January 28, 2020 12:00 am

01/29/2020

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
191-24-2	Benzo(g,h,i)perylene	4.34		mg/kg dry	0.247	0.492	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/04/2020 01:51	KH
207-08-9	Benzo(k)fluoranthene	7.45		mg/kg dry	0.247	0.492	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/04/2020 01:51	KH
65-85-0	Benzoic acid	ND	CCV-L	mg/kg dry	0.0493	0.0985	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 10:07	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0493	0.0985	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 10:07	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0493	0.0985	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 10:07	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0493	0.0985	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 10:07	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0493	0.0985	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 10:07	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0493	0.0985	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 10:07	KH
117-81-7	Bis(2-ethylhexyl)phthalate	0.527		mg/kg dry	0.0493	0.0985	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 10:07	KH
105-60-2	Caprolactam	ND		mg/kg dry	0.0985	0.197	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 10:07	KH
86-74-8	Carbazole	2.23		mg/kg dry	0.0493	0.0985	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 10:07	KH
218-01-9	Chrysene	11.1		mg/kg dry	0.247	0.492	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/04/2020 01:51	KH
53-70-3	Dibenzo(a,h)anthracene	2.22		mg/kg dry	0.0493	0.0985	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 10:07	KH
132-64-9	Dibenzofuran	4.62		mg/kg dry	0.247	0.492	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/04/2020 01:51	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0493	0.0985	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 10:07	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0493	0.0985	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 10:07	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0493	0.0985	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 10:07	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0493	0.0985	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 10:07	KH
206-44-0	Fluoranthene	28.5		mg/kg dry	0.617	1.23	25	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/04/2020 14:10	KH
86-73-7	Fluorene	5.56		mg/kg dry	0.247	0.492	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/04/2020 01:51	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0493	0.0985	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 10:07	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0493	0.0985	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 10:07	KH
77-47-4	Hexachlorocyclopentadiene	ND	CCV-L	mg/kg dry	0.0493	0.0985	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 10:07	KH



Sample Information

Client Sample ID: GB-1 (4-8)

York Sample ID: 20A1033-01

York Project (SDG) No.

Client Project ID

Matrix

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Date Received

20A1033

130 Midland Avenue, Port Chester, New York

Soil

January 28, 2020 12:00 am

01/29/2020

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0493	0.0985	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 10:07	KH
193-39-5	Indeno(1,2,3-cd)pyrene	4.17		mg/kg dry	0.247	0.492	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/04/2020 01:51	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0493	0.0985	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 10:07	KH
91-20-3	Naphthalene	2.33	CCV-L	mg/kg dry	0.0493	0.0985	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 10:07	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0493	0.0985	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 10:07	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0493	0.0985	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 10:07	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0493	0.0985	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 10:07	KH
86-30-6	N-Nitrosodiphenylamine	ND	CCV-L	mg/kg dry	0.0493	0.0985	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 10:07	KH
87-86-5	Pentachlorophenol	ND	CCV-L	mg/kg dry	0.0493	0.0985	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 10:07	KH
85-01-8	Phenanthrene	29.2		mg/kg dry	0.617	1.23	25	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/04/2020 14:10	KH
108-95-2	Phenol	ND		mg/kg dry	0.0493	0.0985	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 10:07	KH
129-00-0	Pyrene	28.8		mg/kg dry	0.617	1.23	25	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/04/2020 14:10	KH
110-86-1	Pyridine	ND		mg/kg dry	0.197	0.394	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 10:07	KH
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: SURR: 2-Fluorophenol	75.7 %	20-108								
4165-62-2	Surrogate: SURR: Phenol-d5	75.6 %	23-114								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	82.6 %	22-108								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	70.9 %	21-113								
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	56.4 %	19-110								
1718-51-0	Surrogate: SURR: Terphenyl-d14	71.8 %	24-116								

Semi-Volatiles, 1,4-Dioxane by 8270-SIM

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
123-91-1	1,4-Dioxane	ND		ug/kg	9.80	1	EPA 8270D SIM Certifications: NELAC-NY10854	02/03/2020 08:00	02/06/2020 20:33	KH
Surrogate Recoveries		Result	Acceptance Range							
17647-74-4	Surrogate: 1,4-Dioxane-d8	44.0 %	39-83.1							



Sample Information

Client Sample ID: GB-1 (4-8)

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York Project (SDG) No.

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Matrix

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20A1033

130 Midland Avenue, Port Chester, New York

Soil

January 28, 2020 12:00 am

01/29/2020

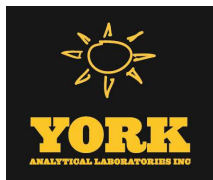
Pesticides, 8081 List

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	0.00195	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 07:43	02/03/2020 18:09	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00195	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 07:43	02/03/2020 18:09	CM
50-29-3	4,4'-DDT	0.00674		mg/kg dry	0.00195	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 07:43	02/03/2020 18:09	CM
309-00-2	Aldrin	ND		mg/kg dry	0.00195	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 07:43	02/03/2020 18:09	CM
319-84-6	alpha-BHC	ND		mg/kg dry	0.00195	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 07:43	02/03/2020 18:09	CM
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00195	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	01/30/2020 07:43	02/03/2020 18:09	CM
319-85-7	beta-BHC	ND		mg/kg dry	0.00195	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 07:43	02/03/2020 18:09	CM
319-86-8	delta-BHC	ND		mg/kg dry	0.00195	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 07:43	02/03/2020 18:09	CM
60-57-1	Dieldrin	ND		mg/kg dry	0.00195	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 07:43	02/03/2020 18:09	CM
959-98-8	Endosulfan I	ND		mg/kg dry	0.00195	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 07:43	02/03/2020 18:09	CM
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00195	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	01/30/2020 07:43	02/03/2020 18:09	CM
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00195	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 07:43	02/03/2020 18:09	CM
72-20-8	Endrin	ND		mg/kg dry	0.00195	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 07:43	02/03/2020 18:09	CM
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00195	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 07:43	02/03/2020 18:09	CM
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00195	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 07:43	02/03/2020 18:09	CM
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00195	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 07:43	02/03/2020 18:09	CM
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00195	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	01/30/2020 07:43	02/03/2020 18:09	CM
76-44-8	Heptachlor	ND		mg/kg dry	0.00195	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 07:43	02/03/2020 18:09	CM
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00195	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 07:43	02/03/2020 18:09	CM
72-43-5	Methoxychlor	ND		mg/kg dry	0.00195	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 07:43	02/03/2020 18:09	CM
8001-35-2	Toxaphene	ND		mg/kg dry	0.195	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 07:43	02/03/2020 18:09	CM
57-74-9	* Chlordane, total	ND		mg/kg dry	0.0391	5	EPA 8081B Certifications:	01/30/2020 07:43	02/03/2020 18:09	CM
Surrogate Recoveries		Result	Acceptance Range							



Sample Information

Client Sample ID: GB-1 (4-8)

York Sample ID: 20A1033-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1033

130 Midland Avenue, Port Chester, New York

Soil

January 28, 2020 12:00 am

01/29/2020

Pesticides, 8081 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
2051-24-3	Surrogate: Decachlorobiphenyl	56.1 %			30-150					
877-09-8	Surrogate: Tetrachloro-m-xylene	48.5 %			30-150					

Polychlorinated Biphenyls (PCB), 8082 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
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0197	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/30/2020 07:43	01/31/2020 15:16	SR
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0197	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/30/2020 07:43	01/31/2020 15:16	SR
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0197	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/30/2020 07:43	01/31/2020 15:16	SR
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0197	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/30/2020 07:43	01/31/2020 15:16	SR
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0197	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/30/2020 07:43	01/31/2020 15:16	SR
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0197	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/30/2020 07:43	01/31/2020 15:16	SR
11096-82-5	Aroclor 1260	0.0318		mg/kg dry	0.0197	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/30/2020 07:43	01/31/2020 15:16	SR
1336-36-3	* Total PCBs	0.0318		mg/kg dry	0.0197	1	EPA 8082A Certifications:	01/30/2020 07:43	01/31/2020 15:16	SR
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	61.5 %			30-120					
2051-24-3	Surrogate: Decachlorobiphenyl	64.0 %			30-120					

Herbicides, 8151 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	0.0236	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 07:49	01/31/2020 20:04	SR
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0236	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 07:49	01/31/2020 20:04	SR
94-75-7	2,4-D	ND		mg/kg dry	0.0236	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 07:49	01/31/2020 20:04	SR
Surrogate Recoveries		Result		Acceptance Range						
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	71.2 %			21-150					

Metals, Target Analyte

Log-in Notes:

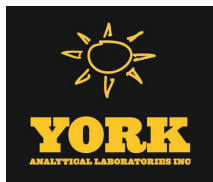
Sample Notes:

120 RESEARCH DRIVE
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Sample Information

Client Sample ID: GB-1 (4-8)

York Sample ID: 20A1033-01

York Project (SDG) No.

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Matrix

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20A1033

130 Midland Avenue, Port Chester, New York

Soil

January 28, 2020 12:00 am

01/29/2020

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	11500		mg/kg dry	5.98	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 15:46	JAM
7440-36-0	Antimony	ND		mg/kg dry	2.99	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 15:46	JAM
7440-38-2	Arsenic	6.43		mg/kg dry	1.79	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 15:46	JAM
7440-39-3	Barium	120		mg/kg dry	2.99	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 15:46	JAM
7440-41-7	Beryllium	ND		mg/kg dry	0.060	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 15:46	JAM
7440-43-9	Cadmium	1.30		mg/kg dry	0.359	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 15:46	JAM
7440-70-2	Calcium	49300		mg/kg dry	5.98	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 15:46	JAM
7440-47-3	Chromium	26.8		mg/kg dry	0.598	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 15:46	JAM
7440-48-4	Cobalt	7.61		mg/kg dry	0.478	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 15:46	JAM
7440-50-8	Copper	44.7		mg/kg dry	2.39	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 15:46	JAM
7439-89-6	Iron	19900		mg/kg dry	29.9	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 15:46	JAM
7439-92-1	Lead	111		mg/kg dry	0.598	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 15:46	JAM
7439-95-4	Magnesium	5870		mg/kg dry	5.98	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 15:46	JAM
7439-96-5	Manganese	381		mg/kg dry	0.598	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 15:46	JAM
7440-02-0	Nickel	23.7		mg/kg dry	1.20	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 15:46	JAM
7440-09-7	Potassium	2300		mg/kg dry	5.98	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 15:46	JAM
7782-49-2	Selenium	ND		mg/kg dry	2.99	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 15:46	JAM
7440-22-4	Silver	ND		mg/kg dry	0.598	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 15:46	JAM
7440-23-5	Sodium	1150		mg/kg dry	59.8	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 15:46	JAM
7440-28-0	Thallium	ND		mg/kg dry	2.99	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 15:46	JAM
7440-62-2	Vanadium	27.2		mg/kg dry	1.20	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 15:46	JAM
7440-66-6	Zinc	175		mg/kg dry	2.99	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 15:46	JAM



Sample Information

Client Sample ID: GB-1 (4-8)

York Sample ID: 20A1033-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1033

130 Midland Avenue, Port Chester, New York

Soil

January 28, 2020 12:00 am

01/29/2020

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	0.224		mg/kg dry	0.0359	1	EPA 7473	01/29/2020 18:19	01/29/2020 20:51	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	83.6		%	0.100	1	SM 2540G	01/30/2020 15:24	01/30/2020 22:34	MAO
							Certifications:	CTDOH		

Sample Information

Client Sample ID: GB-2 (4-8)

York Sample ID: 20A1033-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1033

130 Midland Avenue, Port Chester, New York

Soil

January 28, 2020 12:00 am

01/29/2020

Volatiles, 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	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 06:11	LLJ
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 06:11	LLJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 06:11	LLJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	02/01/2020 06:22	02/02/2020 06:11	LLJ
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 06:11	LLJ
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 06:11	LLJ
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 06:11	LLJ
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 06:11	LLJ
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 06:11	LLJ
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	02/01/2020 06:22	02/02/2020 06:11	LLJ



Sample Information

Client Sample ID: GB-2 (4-8)

York Sample ID: 20A1033-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1033

130 Midland Avenue, Port Chester, New York

Soil

January 28, 2020 12:00 am

01/29/2020

Volatiles, 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
95-93-2	* 1,2,4,5-Tetramethylbenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications:	02/01/2020 06:22	02/02/2020 06:11	LLJ
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 06:11	LLJ
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 06:11	LLJ
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 06:11	LLJ
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 06:11	LLJ
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 06:11	LLJ
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 06:11	LLJ
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 06:11	LLJ
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 06:11	LLJ
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 06:11	LLJ
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 06:11	LLJ
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 06:11	LLJ
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.042	0.084	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 06:11	LLJ
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	02/01/2020 06:22	02/02/2020 06:11	LLJ
78-93-3	2-Butanone	0.0079		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 06:11	LLJ
110-75-8	2-Chloroethylvinyl ether	ND		mg/kg dry	0.0084	0.017	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 06:11	LLJ
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 06:11	LLJ
591-78-6	2-Hexanone	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 06:11	LLJ
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 06:11	LLJ
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 06:11	LLJ
67-64-1	Acetone	0.032		mg/kg dry	0.0042	0.0084	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 06:11	LLJ
107-02-8	Acrolein	ND		mg/kg dry	0.0042	0.0084	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 06:11	LLJ
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 06:11	LLJ



Sample Information

Client Sample ID: GB-2 (4-8)

York Sample ID: 20A1033-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1033

130 Midland Avenue, Port Chester, New York

Soil

January 28, 2020 12:00 am

01/29/2020

Volatiles, 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
71-43-2	Benzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications:	02/01/2020 06:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2020 06:11	LLJ
108-86-1	Bromobenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications:	02/01/2020 06:22 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2020 06:11	LLJ
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications:	02/01/2020 06:22 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2020 06:11	LLJ
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications:	02/01/2020 06:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2020 06:11	LLJ
75-25-2	Bromoform	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications:	02/01/2020 06:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2020 06:11	LLJ
74-83-9	Bromomethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications:	02/01/2020 06:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2020 06:11	LLJ
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications:	02/01/2020 06:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2020 06:11	LLJ
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications:	02/01/2020 06:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2020 06:11	LLJ
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications:	02/01/2020 06:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2020 06:11	LLJ
75-00-3	Chloroethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications:	02/01/2020 06:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2020 06:11	LLJ
67-66-3	Chloroform	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications:	02/01/2020 06:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2020 06:11	LLJ
74-87-3	Chloromethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications:	02/01/2020 06:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2020 06:11	LLJ
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications:	02/01/2020 06:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2020 06:11	LLJ
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications:	02/01/2020 06:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2020 06:11	LLJ
110-82-7	Cyclohexane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications:	02/01/2020 06:22 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2020 06:11	LLJ
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications:	02/01/2020 06:22 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2020 06:11	LLJ
74-95-3	Dibromomethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications:	02/01/2020 06:22 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2020 06:11	LLJ
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications:	02/01/2020 06:22 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2020 06:11	LLJ
108-20-3	* Diisopropyl ether (DIPE)	ND		mg/kg dry	0.0033	0.0067	1	EPA 8260C Certifications:	02/01/2020 06:22	02/02/2020 06:11	LLJ
64-17-5	* Ethanol	ND		mg/kg dry	0.033	0.067	1	EPA 8260C Certifications:	02/01/2020 06:22	02/02/2020 06:11	LLJ
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications:	02/01/2020 06:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2020 06:11	LLJ
637-92-3	* Ethyl tert-butyl ether (ETBE)	ND		mg/kg dry	0.0033	0.0067	1	EPA 8260C Certifications:	02/01/2020 06:22	02/02/2020 06:11	LLJ
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications:	02/01/2020 06:22 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2020 06:11	LLJ



Sample Information

Client Sample ID: GB-2 (4-8)

York Sample ID: 20A1033-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1033

130 Midland Avenue, Port Chester, New York

Soil

January 28, 2020 12:00 am

01/29/2020

Volatiles, 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
74-88-4	* Iodomethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications:	02/01/2020 06:22	02/02/2020 06:11	LLJ
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications:	02/01/2020 06:22	02/02/2020 06:11	LLJ
79-20-9	Methyl acetate	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications:	02/01/2020 06:22	02/02/2020 06:11	LLJ
80-62-6	Methyl Methacrylate	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications:	02/01/2020 06:22	02/02/2020 06:11	LLJ
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications:	02/01/2020 06:22	02/02/2020 06:11	LLJ
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications:	02/01/2020 06:22	02/02/2020 06:11	LLJ
75-09-2	Methylene chloride	ND		mg/kg dry	0.0042	0.0084	1	EPA 8260C Certifications:	02/01/2020 06:22	02/02/2020 06:11	LLJ
91-20-3	Naphthalene	ND		mg/kg dry	0.0021	0.0084	1	EPA 8260C Certifications:	02/01/2020 06:22	02/02/2020 06:11	LLJ
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications:	02/01/2020 06:22	02/02/2020 06:11	LLJ
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications:	02/01/2020 06:22	02/02/2020 06:11	LLJ
95-47-6	o-Xylene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications:	02/01/2020 06:22	02/02/2020 06:11	LLJ
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0042	0.0084	1	EPA 8260C Certifications:	02/01/2020 06:22	02/02/2020 06:11	LLJ
105-05-5	* p-Diethylbenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications:	02/01/2020 06:22	02/02/2020 06:11	LLJ
622-96-8	* p-Ethyltoluene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications:	02/01/2020 06:22	02/02/2020 06:11	LLJ
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications:	02/01/2020 06:22	02/02/2020 06:11	LLJ
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications:	02/01/2020 06:22	02/02/2020 06:11	LLJ
100-42-5	Styrene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications:	02/01/2020 06:22	02/02/2020 06:11	LLJ
75-85-4	* tert-Amyl alcohol (TAA)	ND		mg/kg dry	0.033	0.067	1	EPA 8260C Certifications:	02/01/2020 06:22	02/02/2020 06:11	LLJ
994-05-8	* tert-Amyl methyl ether (TAME)	ND		mg/kg dry	0.0033	0.0067	1	EPA 8260C Certifications:	02/01/2020 06:22	02/02/2020 06:11	LLJ
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications:	02/01/2020 06:22	02/02/2020 06:11	LLJ
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications:	02/01/2020 06:22	02/02/2020 06:11	LLJ
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications:	02/01/2020 06:22	02/02/2020 06:11	LLJ
109-99-9	* Tetrahydrofuran	ND		mg/kg dry	0.0042	0.0084	1	EPA 8260C Certifications:	02/01/2020 06:22	02/02/2020 06:11	LLJ



Sample Information

Client Sample ID: GB-2 (4-8)

York Sample ID: 20A1033-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1033

130 Midland Avenue, Port Chester, New York

Soil

January 28, 2020 12:00 am

01/29/2020

Volatiles, 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
108-88-3	Toluene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 06:11	LLJ
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 06:11	LLJ
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 06:11	LLJ
110-57-6	* trans-1,4-dichloro-2-butene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH	02/01/2020 06:22	02/02/2020 06:11	LLJ
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 06:11	LLJ
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 06:11	LLJ
108-05-4	Vinyl acetate	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 06:11	LLJ
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 06:11	LLJ
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0063	0.013	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	02/01/2020 06:22	02/02/2020 06:11	LLJ
107-05-1	* Allyl chloride	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications:	02/01/2020 06:22	02/02/2020 06:11	LLJ
Surrogate Recoveries		Result		Acceptance Range							
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	107 %				77-125					
2037-26-5	Surrogate: SURR: Toluene-d8	94.5 %				85-120					
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	96.5 %				76-130					

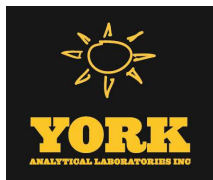
Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

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	0.0469	0.0936	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 10:36	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0936	0.187	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 10:36	KH
120-82-1	1,2,4-Trichlorobenzene	ND	CCV-L	mg/kg dry	0.0469	0.0936	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 10:36	KH
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	01/31/2020 13:44	02/03/2020 10:36	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 10:36	KH
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	01/31/2020 13:44	02/03/2020 10:36	KH
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	01/31/2020 13:44	02/03/2020 10:36	KH



Sample Information

Client Sample ID: GB-2 (4-8)

York Sample ID: 20A1033-02

York Project (SDG) No.

Client Project ID

Matrix

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20A1033

130 Midland Avenue, Port Chester, New York

Soil

January 28, 2020 12:00 am

01/29/2020

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0936	0.187	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 10:36	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 10:36	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 10:36	KH
120-83-2	2,4-Dichlorophenol	ND	CCV-L	mg/kg dry	0.0469	0.0936	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 10:36	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 10:36	KH
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0936	0.187	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 10:36	KH
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 10:36	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 10:36	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 10:36	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 10:36	KH
91-57-6	2-Methylnaphthalene	0.150	CCV-L	mg/kg dry	0.0469	0.0936	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 10:36	KH
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 10:36	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0936	0.187	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 10:36	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 10:36	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 10:36	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 10:36	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0936	0.187	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 10:36	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND	CCV-L	mg/kg dry	0.0936	0.187	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 10:36	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 10:36	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 10:36	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 10:36	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 10:36	KH
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0936	0.187	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 10:36	KH



Sample Information

Client Sample ID: GB-2 (4-8)

York Sample ID: 20A1033-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1033

130 Midland Avenue, Port Chester, New York

Soil

January 28, 2020 12:00 am

01/29/2020

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0936	0.187	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 10:36	KH
83-32-9	Acenaphthene	0.224		mg/kg dry	0.0469	0.0936	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 10:36	KH
208-96-8	Acenaphthylene	0.174		mg/kg dry	0.0469	0.0936	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 10:36	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 10:36	KH
62-53-3	Aniline	ND		mg/kg dry	0.187	0.375	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 10:36	KH
120-12-7	Anthracene	0.658		mg/kg dry	0.0469	0.0936	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 10:36	KH
1912-24-9	Atrazine	ND	CCV-L	mg/kg dry	0.0469	0.0936	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 10:36	KH
100-52-7	Benzaldehyde	ND	CCV-L	mg/kg dry	0.0469	0.0936	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 10:36	KH
92-87-5	Benzidine	ND	CCV-L	mg/kg dry	0.187	0.375	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	01/31/2020 13:44	02/03/2020 10:36	KH
56-55-3	Benzo(a)anthracene	1.24		mg/kg dry	0.0469	0.0936	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 10:36	KH
50-32-8	Benzo(a)pyrene	1.18		mg/kg dry	0.0469	0.0936	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 10:36	KH
205-99-2	Benzo(b)fluoranthene	1.02		mg/kg dry	0.0469	0.0936	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 10:36	KH
191-24-2	Benzo(g,h,i)perylene	0.717		mg/kg dry	0.0469	0.0936	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 10:36	KH
207-08-9	Benzo(k)fluoranthene	0.884		mg/kg dry	0.0469	0.0936	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 10:36	KH
65-85-0	Benzoic acid	ND	CCV-L	mg/kg dry	0.0469	0.0936	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 10:36	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 10:36	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 10:36	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 10:36	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 10:36	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 10:36	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 10:36	KH
105-60-2	Caprolactam	ND		mg/kg dry	0.0936	0.187	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 10:36	KH
86-74-8	Carbazole	0.244		mg/kg dry	0.0469	0.0936	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 10:36	KH



Sample Information

Client Sample ID: GB-2 (4-8)

York Sample ID: 20A1033-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1033

130 Midland Avenue, Port Chester, New York

Soil

January 28, 2020 12:00 am

01/29/2020

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
218-01-9	Chrysene	1.18		mg/kg dry	0.0469	0.0936	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 10:36	KH
53-70-3	Dibenzo(a,h)anthracene	0.260		mg/kg dry	0.0469	0.0936	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 10:36	KH
132-64-9	Dibenzofuran	0.194		mg/kg dry	0.0469	0.0936	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 10:36	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 10:36	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 10:36	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 10:36	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 10:36	KH
206-44-0	Fluoranthene	2.30		mg/kg dry	0.0469	0.0936	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 10:36	KH
86-73-7	Fluorene	0.365		mg/kg dry	0.0469	0.0936	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 10:36	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 10:36	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 10:36	KH
77-47-4	Hexachlorocyclopentadiene	ND	CCV-L	mg/kg dry	0.0469	0.0936	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 10:36	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 10:36	KH
193-39-5	Indeno(1,2,3-cd)pyrene	0.659		mg/kg dry	0.0469	0.0936	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 10:36	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 10:36	KH
91-20-3	Naphthalene	0.207	CCV-L	mg/kg dry	0.0469	0.0936	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 10:36	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 10:36	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 10:36	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 10:36	KH
86-30-6	N-Nitrosodiphenylamine	ND	CCV-L	mg/kg dry	0.0469	0.0936	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 10:36	KH
87-86-5	Pentachlorophenol	ND	CCV-L	mg/kg dry	0.0469	0.0936	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 10:36	KH
85-01-8	Phenanthrene	2.11	CCV-L	mg/kg dry	0.0469	0.0936	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 10:36	KH
108-95-2	Phenol	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 10:36	KH



Sample Information

Client Sample ID: GB-2 (4-8)

York Sample ID: 20A1033-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1033

130 Midland Avenue, Port Chester, New York

Soil

January 28, 2020 12:00 am

01/29/2020

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
129-00-0	Pyrene	2.30		mg/kg dry	0.0469	0.0936	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 10:36	KH
110-86-1	Pyridine	ND		mg/kg dry	0.187	0.375	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 10:36	KH
Surrogate Recoveries		Result		Acceptance Range							
367-12-4	Surrogate: SURR: 2-Fluorophenol	70.3 %		20-108							
4165-62-2	Surrogate: SURR: Phenol-d5	69.9 %		23-114							
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	76.2 %		22-108							
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	65.8 %		21-113							
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	58.2 %		19-110							
1718-51-0	Surrogate: SURR: Terphenyl-d14	71.3 %		24-116							

Semi-Volatiles, 1,4-Dioxane by 8270-SIM

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
123-91-1	1,4-Dioxane	ND		ug/kg	9.62	1	EPA 8270D SIM Certifications: NELAC-NY10854	02/03/2020 08:00	02/06/2020 20:50	KH
Surrogate Recoveries		Result	Acceptance Range							
17647-74-4	Surrogate: 1,4-Dioxane-d8	44.0 %	39-83.1							

Pesticides, 8081 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	0.00185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 07:43	02/03/2020 18:26	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 07:43	02/03/2020 18:26	CM
50-29-3	4,4'-DDT	0.00705		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 07:43	02/03/2020 18:26	CM
309-00-2	Aldrin	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 07:43	02/03/2020 18:26	CM
319-84-6	alpha-BHC	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 07:43	02/03/2020 18:26	CM
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	01/30/2020 07:43	02/03/2020 18:26	CM
319-85-7	beta-BHC	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 07:43	02/03/2020 18:26	CM
319-86-8	delta-BHC	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 07:43	02/03/2020 18:26	CM



Sample Information

Client Sample ID: GB-2 (4-8)

York Sample ID: 20A1033-02

York Project (SDG) No.

Client Project ID

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Collection Date/Time

Date Received

20A1033

130 Midland Avenue, Port Chester, New York

Soil

January 28, 2020 12:00 am

01/29/2020

Pesticides, 8081 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
60-57-1	Dieldrin	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 07:43	02/03/2020 18:26	CM
959-98-8	Endosulfan I	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 07:43	02/03/2020 18:26	CM
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	01/30/2020 07:43	02/03/2020 18:26	CM
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 07:43	02/03/2020 18:26	CM
72-20-8	Endrin	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 07:43	02/03/2020 18:26	CM
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 07:43	02/03/2020 18:26	CM
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 07:43	02/03/2020 18:26	CM
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 07:43	02/03/2020 18:26	CM
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	01/30/2020 07:43	02/03/2020 18:26	CM
76-44-8	Heptachlor	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 07:43	02/03/2020 18:26	CM
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 07:43	02/03/2020 18:26	CM
72-43-5	Methoxychlor	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 07:43	02/03/2020 18:26	CM
8001-35-2	Toxaphene	ND		mg/kg dry	0.185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 07:43	02/03/2020 18:26	CM
57-74-9	* Chlordane, total	ND		mg/kg dry	0.0369	5	EPA 8081B Certifications:	01/30/2020 07:43	02/03/2020 18:26	CM
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	56.3 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	37.8 %	30-150							

Polychlorinated Biphenyls (PCB), 8082 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
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0186	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/30/2020 07:43	01/31/2020 15:29	SR
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0186	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/30/2020 07:43	01/31/2020 15:29	SR
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0186	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/30/2020 07:43	01/31/2020 15:29	SR
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0186	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/30/2020 07:43	01/31/2020 15:29	SR



Sample Information

Client Sample ID: GB-2 (4-8)

York Sample ID: 20A1033-02

York Project (SDG) No.

Client Project ID

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Date Received

20A1033

130 Midland Avenue, Port Chester, New York

Soil

January 28, 2020 12:00 am

01/29/2020

Polychlorinated Biphenyls (PCB), 8082 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
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0186	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/30/2020 07:43	01/31/2020 15:29	SR
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0186	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/30/2020 07:43	01/31/2020 15:29	SR
11096-82-5	Aroclor 1260	0.0266		mg/kg dry	0.0186	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/30/2020 07:43	01/31/2020 15:29	SR
1336-36-3	* Total PCBs	0.0266		mg/kg dry	0.0186	1	EPA 8082A Certifications:	01/30/2020 07:43	01/31/2020 15:29	SR
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	62.5 %		30-120						
2051-24-3	Surrogate: Decachlorobiphenyl	61.5 %		30-120						

Herbicides, 8151 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	01/31/2020 07:49	01/31/2020 20:15	SR
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0223	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 07:49	01/31/2020 20:15	SR
94-75-7	2,4-D	ND		mg/kg dry	0.0223	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 07:49	01/31/2020 20:15	SR
Surrogate Recoveries		Result		Acceptance Range						
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	69.0 %		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	14300		mg/kg dry	5.65	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 15:49	JAM
7440-36-0	Antimony	ND		mg/kg dry	2.82	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 15:49	JAM
7440-38-2	Arsenic	5.23		mg/kg dry	1.69	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 15:49	JAM
7440-39-3	Barium	168		mg/kg dry	2.82	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 15:49	JAM
7440-41-7	Beryllium	ND		mg/kg dry	0.056	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 15:49	JAM
7440-43-9	Cadmium	0.600		mg/kg dry	0.339	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 15:49	JAM



Sample Information

Client Sample ID: GB-2 (4-8)

York Sample ID: 20A1033-02

York Project (SDG) No.

Client Project ID

Matrix

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20A1033

130 Midland Avenue, Port Chester, New York

Soil

January 28, 2020 12:00 am

01/29/2020

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
7440-70-2	Calcium	33600		mg/kg dry	5.65	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 15:49	JAM
7440-47-3	Chromium	45.6		mg/kg dry	0.565	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 15:49	JAM
7440-48-4	Cobalt	12.4		mg/kg dry	0.452	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 15:49	JAM
7440-50-8	Copper	45.4		mg/kg dry	2.26	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 15:49	JAM
7439-89-6	Iron	24800		mg/kg dry	28.2	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 15:49	JAM
7439-92-1	Lead	143		mg/kg dry	0.565	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 15:49	JAM
7439-95-4	Magnesium	14700		mg/kg dry	5.65	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 15:49	JAM
7439-96-5	Manganese	418		mg/kg dry	0.565	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 15:49	JAM
7440-02-0	Nickel	39.4		mg/kg dry	1.13	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 15:49	JAM
7440-09-7	Potassium	4790		mg/kg dry	5.65	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 15:49	JAM
7782-49-2	Selenium	ND		mg/kg dry	2.82	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 15:49	JAM
7440-22-4	Silver	ND		mg/kg dry	0.565	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 15:49	JAM
7440-23-5	Sodium	530		mg/kg dry	56.5	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 15:49	JAM
7440-28-0	Thallium	ND		mg/kg dry	2.82	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 15:49	JAM
7440-62-2	Vanadium	41.0		mg/kg dry	1.13	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 15:49	JAM
7440-66-6	Zinc	154		mg/kg dry	2.82	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 15:49	JAM

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	0.0652		mg/kg dry	0.0339	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	01/29/2020 18:19	01/29/2020 21:00	MAO

Total Solids

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: GB-2 (4-8)

York Sample ID: 20A1033-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1033

130 Midland Avenue, Port Chester, New York

Soil

January 28, 2020 12:00 am

01/29/2020

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	88.5		%	0.100	1	SM 2540G	01/30/2020 15:24	01/30/2020 22:34	MAO
							Certifications:	CTDOH		

Sample Information

Client Sample ID: GB-3 (4-8)

York Sample ID: 20A1033-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1033

130 Midland Avenue, Port Chester, New York

Soil

January 28, 2020 12:00 am

01/29/2020

Volatiles, 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	0.0020	0.0040	1	EPA 8260C	02/01/2020 06:22	02/02/2020 06:37	LLJ
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	02/01/2020 06:22	02/02/2020 06:37	LLJ
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	02/01/2020 06:22	02/02/2020 06:37	LLJ
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	02/01/2020 06:22	02/02/2020 06:37	LLJ
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP			
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	02/01/2020 06:22	02/02/2020 06:37	LLJ
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	02/01/2020 06:22	02/02/2020 06:37	LLJ
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	02/01/2020 06:22	02/02/2020 06:37	LLJ
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	02/01/2020 06:22	02/02/2020 06:37	LLJ
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	02/01/2020 06:22	02/02/2020 06:37	LLJ
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	02/01/2020 06:22	02/02/2020 06:37	LLJ
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP			
95-93-2	* 1,2,4,5-Tetramethylbenzene	0.0030	J	mg/kg dry	0.0020	0.0040	1	EPA 8260C	02/01/2020 06:22	02/02/2020 06:37	LLJ
							Certifications:				
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	02/01/2020 06:22	02/02/2020 06:37	LLJ
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	02/01/2020 06:22	02/02/2020 06:37	LLJ
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	02/01/2020 06:22	02/02/2020 06:37	LLJ
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	02/01/2020 06:22	02/02/2020 06:37	LLJ
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			



Sample Information

Client Sample ID: GB-3 (4-8)

York Sample ID: 20A1033-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1033

130 Midland Avenue, Port Chester, New York

Soil

January 28, 2020 12:00 am

01/29/2020

Volatiles, 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
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 06:37	LLJ
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 06:37	LLJ
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 06:37	LLJ
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 06:37	LLJ
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 06:37	LLJ
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 06:37	LLJ
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 06:37	LLJ
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.040	0.079	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 06:37	LLJ
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	02/01/2020 06:22	02/02/2020 06:37	LLJ
78-93-3	2-Butanone	0.0087		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 06:37	LLJ
110-75-8	2-Chloroethylvinyl ether	ND		mg/kg dry	0.0079	0.016	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 06:37	LLJ
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 06:37	LLJ
591-78-6	2-Hexanone	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 06:37	LLJ
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 06:37	LLJ
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 06:37	LLJ
67-64-1	Acetone	0.032		mg/kg dry	0.0040	0.0079	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 06:37	LLJ
107-02-8	Acrolein	ND		mg/kg dry	0.0040	0.0079	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 06:37	LLJ
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 06:37	LLJ
71-43-2	Benzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 06:37	LLJ
108-86-1	Bromobenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 06:37	LLJ
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 06:37	LLJ
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 06:37	LLJ
75-25-2	Bromoform	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 06:37	LLJ



Sample Information

Client Sample ID: GB-3 (4-8)

York Sample ID: 20A1033-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1033

130 Midland Avenue, Port Chester, New York

Soil

January 28, 2020 12:00 am

01/29/2020

Volatiles, 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
74-83-9	Bromomethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications:	02/01/2020 06:22	02/02/2020 06:37	LLJ
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications:	02/01/2020 06:22	02/02/2020 06:37	LLJ
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications:	02/01/2020 06:22	02/02/2020 06:37	LLJ
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications:	02/01/2020 06:22	02/02/2020 06:37	LLJ
75-00-3	Chloroethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications:	02/01/2020 06:22	02/02/2020 06:37	LLJ
67-66-3	Chloroform	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications:	02/01/2020 06:22	02/02/2020 06:37	LLJ
74-87-3	Chloromethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications:	02/01/2020 06:22	02/02/2020 06:37	LLJ
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications:	02/01/2020 06:22	02/02/2020 06:37	LLJ
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications:	02/01/2020 06:22	02/02/2020 06:37	LLJ
110-82-7	Cyclohexane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications:	02/01/2020 06:22	02/02/2020 06:37	LLJ
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications:	02/01/2020 06:22	02/02/2020 06:37	LLJ
74-95-3	Dibromomethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications:	02/01/2020 06:22	02/02/2020 06:37	LLJ
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications:	02/01/2020 06:22	02/02/2020 06:37	LLJ
108-20-3	* Diisopropyl ether (DIPE)	ND		mg/kg dry	0.0032	0.0063	1	EPA 8260C Certifications:	02/01/2020 06:22	02/02/2020 06:37	LLJ
64-17-5	* Ethanol	ND		mg/kg dry	0.032	0.063	1	EPA 8260C Certifications:	02/01/2020 06:22	02/02/2020 06:37	LLJ
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications:	02/01/2020 06:22	02/02/2020 06:37	LLJ
637-92-3	* Ethyl tert-butyl ether (ETBE)	ND		mg/kg dry	0.0032	0.0063	1	EPA 8260C Certifications:	02/01/2020 06:22	02/02/2020 06:37	LLJ
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications:	02/01/2020 06:22	02/02/2020 06:37	LLJ
74-88-4	* Iodomethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications:	02/01/2020 06:22	02/02/2020 06:37	LLJ
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications:	02/01/2020 06:22	02/02/2020 06:37	LLJ
79-20-9	Methyl acetate	0.0069		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications:	02/01/2020 06:22	02/02/2020 06:37	LLJ
80-62-6	Methyl Methacrylate	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications:	02/01/2020 06:22	02/02/2020 06:37	LLJ
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications:	02/01/2020 06:22	02/02/2020 06:37	LLJ



Sample Information

Client Sample ID: GB-3 (4-8)

York Sample ID: 20A1033-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1033

130 Midland Avenue, Port Chester, New York

Soil

January 28, 2020 12:00 am

01/29/2020

Volatiles, 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
108-87-2	Methylcyclohexane	0.0077		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 06:37	LLJ
75-09-2	Methylene chloride	ND		mg/kg dry	0.0040	0.0079	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 06:37	LLJ
91-20-3	Naphthalene	ND		mg/kg dry	0.0020	0.0079	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 06:37	LLJ
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 06:37	LLJ
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 06:37	LLJ
95-47-6	o-Xylene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 06:37	LLJ
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0040	0.0079	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 06:37	LLJ
105-05-5	* p-Diethylbenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications:	02/01/2020 06:22	02/02/2020 06:37	LLJ
622-96-8	* p-Ethyltoluene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications:	02/01/2020 06:22	02/02/2020 06:37	LLJ
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 06:37	LLJ
135-98-8	sec-Butylbenzene	0.0045		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 06:37	LLJ
100-42-5	Styrene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 06:37	LLJ
75-85-4	* tert-Amyl alcohol (TAA)	ND		mg/kg dry	0.032	0.063	1	EPA 8260C Certifications:	02/01/2020 06:22	02/02/2020 06:37	LLJ
994-05-8	* tert-Amyl methyl ether (TAME)	ND		mg/kg dry	0.0032	0.0063	1	EPA 8260C Certifications:	02/01/2020 06:22	02/02/2020 06:37	LLJ
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 06:37	LLJ
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 06:37	LLJ
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 06:37	LLJ
109-99-9	* Tetrahydrofuran	ND		mg/kg dry	0.0040	0.0079	1	EPA 8260C Certifications:	02/01/2020 06:22	02/02/2020 06:37	LLJ
108-88-3	Toluene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 06:37	LLJ
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 06:37	LLJ
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 06:37	LLJ
110-57-6	* trans-1,4-dichloro-2-butene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH	02/01/2020 06:22	02/02/2020 06:37	LLJ
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 06:37	LLJ



Sample Information

Client Sample ID: GB-3 (4-8)

York Sample ID: 20A1033-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1033

130 Midland Avenue, Port Chester, New York

Soil

January 28, 2020 12:00 am

01/29/2020

Volatiles, 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	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 06:37	LLJ
108-05-4	Vinyl acetate	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 06:37	LLJ
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 06:37	LLJ
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0059	0.012	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	02/01/2020 06:22	02/02/2020 06:37	LLJ
107-05-1	* Allyl chloride	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications:	02/01/2020 06:22	02/02/2020 06:37	LLJ
Surrogate Recoveries		Result		Acceptance Range							
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	107 %				77-125					
2037-26-5	Surrogate: SURR: Toluene-d8	95.5 %				85-120					
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	88.7 %				76-130					

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

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	0.0482	0.0962	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 11:05	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0962	0.192	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 11:05	KH
120-82-1	1,2,4-Trichlorobenzene	ND	CCV-L	mg/kg dry	0.0482	0.0962	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 11:05	KH
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0482	0.0962	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	01/31/2020 13:44	02/03/2020 11:05	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0482	0.0962	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 11:05	KH
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0482	0.0962	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	01/31/2020 13:44	02/03/2020 11:05	KH
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0482	0.0962	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	01/31/2020 13:44	02/03/2020 11:05	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0962	0.192	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 11:05	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0482	0.0962	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 11:05	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0482	0.0962	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 11:05	KH
120-83-2	2,4-Dichlorophenol	ND	CCV-L	mg/kg dry	0.0482	0.0962	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 11:05	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0482	0.0962	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 11:05	KH



Sample Information

Client Sample ID: GB-3 (4-8)

York Sample ID: 20A1033-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

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20A1033

130 Midland Avenue, Port Chester, New York

Soil

January 28, 2020 12:00 am

01/29/2020

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0962	0.192	2	EPA 8270D Certifications:	01/31/2020 13:44 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 11:05	KH
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0482	0.0962	2	EPA 8270D Certifications:	01/31/2020 13:44 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 11:05	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0482	0.0962	2	EPA 8270D Certifications:	01/31/2020 13:44 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 11:05	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0482	0.0962	2	EPA 8270D Certifications:	01/31/2020 13:44 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 11:05	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0482	0.0962	2	EPA 8270D Certifications:	01/31/2020 13:44 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 11:05	KH
91-57-6	2-Methylnaphthalene	0.0531	CCV-L, J	mg/kg dry	0.0482	0.0962	2	EPA 8270D Certifications:	01/31/2020 13:44 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 11:05	KH
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0482	0.0962	2	EPA 8270D Certifications:	01/31/2020 13:44 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 11:05	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0962	0.192	2	EPA 8270D Certifications:	01/31/2020 13:44 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 11:05	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0482	0.0962	2	EPA 8270D Certifications:	01/31/2020 13:44 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 11:05	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0482	0.0962	2	EPA 8270D Certifications:	01/31/2020 13:44 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 11:05	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0482	0.0962	2	EPA 8270D Certifications:	01/31/2020 13:44 NELAC-NY10854,NJDEP,PADEP	02/03/2020 11:05	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0962	0.192	2	EPA 8270D Certifications:	01/31/2020 13:44 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 11:05	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND	CCV-L	mg/kg dry	0.0962	0.192	2	EPA 8270D Certifications:	01/31/2020 13:44 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 11:05	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0482	0.0962	2	EPA 8270D Certifications:	01/31/2020 13:44 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 11:05	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0482	0.0962	2	EPA 8270D Certifications:	01/31/2020 13:44 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 11:05	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0482	0.0962	2	EPA 8270D Certifications:	01/31/2020 13:44 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 11:05	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0482	0.0962	2	EPA 8270D Certifications:	01/31/2020 13:44 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 11:05	KH
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0962	0.192	2	EPA 8270D Certifications:	01/31/2020 13:44 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 11:05	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0962	0.192	2	EPA 8270D Certifications:	01/31/2020 13:44 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 11:05	KH
83-32-9	Acenaphthene	ND		mg/kg dry	0.0482	0.0962	2	EPA 8270D Certifications:	01/31/2020 13:44 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 11:05	KH
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0482	0.0962	2	EPA 8270D Certifications:	01/31/2020 13:44 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 11:05	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0482	0.0962	2	EPA 8270D Certifications:	01/31/2020 13:44 NELAC-NY10854,NJDEP,PADEP	02/03/2020 11:05	KH
62-53-3	Aniline	ND		mg/kg dry	0.193	0.385	2	EPA 8270D Certifications:	01/31/2020 13:44 NELAC-NY10854,NJDEP,PADEP	02/03/2020 11:05	KH



Sample Information

Client Sample ID: GB-3 (4-8)

York Sample ID: 20A1033-03

York Project (SDG) No.

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20A1033

130 Midland Avenue, Port Chester, New York

Soil

January 28, 2020 12:00 am

01/29/2020

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

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	0.0584	J	mg/kg dry	0.0482	0.0962	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 11:05	KH
1912-24-9	Atrazine	ND	CCV-L	mg/kg dry	0.0482	0.0962	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 11:05	KH
100-52-7	Benzaldehyde	ND	CCV-L	mg/kg dry	0.0482	0.0962	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 11:05	KH
92-87-5	Benzidine	ND	CCV-L	mg/kg dry	0.193	0.385	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	01/31/2020 13:44	02/03/2020 11:05	KH
56-55-3	Benzo(a)anthracene	0.120		mg/kg dry	0.0482	0.0962	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 11:05	KH
50-32-8	Benzo(a)pyrene	0.128		mg/kg dry	0.0482	0.0962	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 11:05	KH
205-99-2	Benzo(b)fluoranthene	0.114		mg/kg dry	0.0482	0.0962	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 11:05	KH
191-24-2	Benzo(g,h,i)perylene	0.111		mg/kg dry	0.0482	0.0962	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 11:05	KH
207-08-9	Benzo(k)fluoranthene	0.104		mg/kg dry	0.0482	0.0962	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 11:05	KH
65-85-0	Benzoic acid	ND	CCV-L	mg/kg dry	0.0482	0.0962	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 11:05	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0482	0.0962	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 11:05	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0482	0.0962	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 11:05	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0482	0.0962	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 11:05	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0482	0.0962	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 11:05	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0482	0.0962	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 11:05	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0482	0.0962	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 11:05	KH
105-60-2	Caprolactam	ND		mg/kg dry	0.0962	0.192	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 11:05	KH
86-74-8	Carbazole	ND		mg/kg dry	0.0482	0.0962	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 11:05	KH
218-01-9	Chrysene	0.123		mg/kg dry	0.0482	0.0962	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 11:05	KH
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0482	0.0962	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 11:05	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0482	0.0962	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 11:05	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0482	0.0962	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 11:05	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0482	0.0962	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 11:05	KH



Sample Information

Client Sample ID: GB-3 (4-8)

York Sample ID: 20A1033-03

York Project (SDG) No.

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20A1033

130 Midland Avenue, Port Chester, New York

Soil

January 28, 2020 12:00 am

01/29/2020

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

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	0.0482	0.0962	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 11:05	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0482	0.0962	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 11:05	KH
206-44-0	Fluoranthene	0.255		mg/kg dry	0.0482	0.0962	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 11:05	KH
86-73-7	Fluorene	ND		mg/kg dry	0.0482	0.0962	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 11:05	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0482	0.0962	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 11:05	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0482	0.0962	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 11:05	KH
77-47-4	Hexachlorocyclopentadiene	ND	CCV-L	mg/kg dry	0.0482	0.0962	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 11:05	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0482	0.0962	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 11:05	KH
193-39-5	Indeno(1,2,3-cd)pyrene	0.0838	J	mg/kg dry	0.0482	0.0962	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 11:05	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0482	0.0962	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 11:05	KH
91-20-3	Naphthalene	ND	CCV-L	mg/kg dry	0.0482	0.0962	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 11:05	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0482	0.0962	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 11:05	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0482	0.0962	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 11:05	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0482	0.0962	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 11:05	KH
86-30-6	N-Nitrosodiphenylamine	ND	CCV-L	mg/kg dry	0.0482	0.0962	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 11:05	KH
87-86-5	Pentachlorophenol	ND	CCV-L	mg/kg dry	0.0482	0.0962	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 11:05	KH
85-01-8	Phenanthrene	0.167	CCV-L	mg/kg dry	0.0482	0.0962	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 11:05	KH
108-95-2	Phenol	ND		mg/kg dry	0.0482	0.0962	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 11:05	KH
129-00-0	Pyrene	0.255		mg/kg dry	0.0482	0.0962	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 11:05	KH
110-86-1	Pyridine	ND		mg/kg dry	0.193	0.385	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 11:05	KH
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: SURR: 2-Fluorophenol	72.0 %	20-108								
4165-62-2	Surrogate: SURR: Phenol-d5	70.9 %	23-114								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	91.7 %	22-108								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	67.5 %	21-113								



Sample Information

Client Sample ID: GB-3 (4-8)

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130 Midland Avenue, Port Chester, New York

Soil

January 28, 2020 12:00 am

01/29/2020

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	58.2 %			19-110						
1718-51-0	Surrogate: SURR: Terphenyl-d14	69.8 %			24-116						

Semi-Volatiles, 1,4-Dioxane by 8270-SIM

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
123-91-1	1,4-Dioxane	ND		ug/kg	9.52	1	EPA 8270D SIM Certifications: NELAC-NY10854	02/03/2020 08:00	02/06/2020 21:07	KH
Surrogate Recoveries		Result		Acceptance Range						
17647-74-4	Surrogate: 1,4-Dioxane-d8	44.0 %		39-83.1						

Pesticides, 8081 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	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 07:43	02/03/2020 18:43	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 07:43	02/03/2020 18:43	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 07:43	02/03/2020 18:43	CM
309-00-2	Aldrin	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 07:43	02/03/2020 18:43	CM
319-84-6	alpha-BHC	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 07:43	02/03/2020 18:43	CM
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	01/30/2020 07:43	02/03/2020 18:43	CM
319-85-7	beta-BHC	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 07:43	02/03/2020 18:43	CM
319-86-8	delta-BHC	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 07:43	02/03/2020 18:43	CM
60-57-1	Dieldrin	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 07:43	02/03/2020 18:43	CM
959-98-8	Endosulfan I	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 07:43	02/03/2020 18:43	CM
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	01/30/2020 07:43	02/03/2020 18:43	CM
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 07:43	02/03/2020 18:43	CM
72-20-8	Endrin	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 07:43	02/03/2020 18:43	CM



Sample Information

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130 Midland Avenue, Port Chester, New York

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01/29/2020

Pesticides, 8081 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
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 07:43	02/03/2020 18:43	CM
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 07:43	02/03/2020 18:43	CM
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 07:43	02/03/2020 18:43	CM
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	01/30/2020 07:43	02/03/2020 18:43	CM
76-44-8	Heptachlor	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 07:43	02/03/2020 18:43	CM
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 07:43	02/03/2020 18:43	CM
72-43-5	Methoxychlor	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 07:43	02/03/2020 18:43	CM
8001-35-2	Toxaphene	ND		mg/kg dry	0.193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 07:43	02/03/2020 18:43	CM
57-74-9	* Chlordane, total	ND		mg/kg dry	0.0387	5	EPA 8081B Certifications:	01/30/2020 07:43	02/03/2020 18:43	CM
Surrogate Recoveries		Result		Acceptance Range						
2051-24-3	Surrogate: Decachlorobiphenyl	53.7 %		30-150						
877-09-8	Surrogate: Tetrachloro-m-xylene	29.0 %	S-GC	30-150						

Polychlorinated Biphenyls (PCB), 8082 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
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0195	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/30/2020 07:43	01/31/2020 15:43	SR
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0195	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/30/2020 07:43	01/31/2020 15:43	SR
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0195	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/30/2020 07:43	01/31/2020 15:43	SR
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0195	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/30/2020 07:43	01/31/2020 15:43	SR
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0195	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/30/2020 07:43	01/31/2020 15:43	SR
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0195	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/30/2020 07:43	01/31/2020 15:43	SR
11096-82-5	Aroclor 1260	0.0234		mg/kg dry	0.0195	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/30/2020 07:43	01/31/2020 15:43	SR
1336-36-3	* Total PCBs	0.0234		mg/kg dry	0.0195	1	EPA 8082A Certifications:	01/30/2020 07:43	01/31/2020 15:43	SR
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	55.0 %		30-120						



Sample Information

Client Sample ID: GB-3 (4-8)

York Sample ID: 20A1033-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1033

130 Midland Avenue, Port Chester, New York

Soil

January 28, 2020 12:00 am

01/29/2020

Polychlorinated Biphenyls (PCB), 8082 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
2051-24-3	Surrogate: Decachlorobiphenyl	57.5 %			30-120					

Herbicides, 8151 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	0.0234	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 07:49	01/31/2020 20:25	SR
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0234	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 07:49	01/31/2020 20:25	SR
94-75-7	2,4-D	ND		mg/kg dry	0.0234	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 07:49	01/31/2020 20:25	SR
Surrogate Recoveries		Result		Acceptance Range						
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	75.0 %			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	16800		mg/kg dry	5.88	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 15:51	JAM
7440-36-0	Antimony	ND		mg/kg dry	2.94	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 15:51	JAM
7440-38-2	Arsenic	4.56		mg/kg dry	1.76	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 15:51	JAM
7440-39-3	Barium	122		mg/kg dry	2.94	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 15:51	JAM
7440-41-7	Beryllium	ND		mg/kg dry	0.059	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 15:51	JAM
7440-43-9	Cadmium	0.590		mg/kg dry	0.353	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 15:51	JAM
7440-70-2	Calcium	5520		mg/kg dry	5.88	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 15:51	JAM
7440-47-3	Chromium	40.9		mg/kg dry	0.588	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 15:51	JAM
7440-48-4	Cobalt	16.0		mg/kg dry	0.471	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 15:51	JAM
7440-50-8	Copper	42.7		mg/kg dry	2.35	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 15:51	JAM
7439-89-6	Iron	27500		mg/kg dry	29.4	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 15:51	JAM



Sample Information

Client Sample ID: GB-3 (4-8)

York Sample ID: 20A1033-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1033

130 Midland Avenue, Port Chester, New York

Soil

January 28, 2020 12:00 am

01/29/2020

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
7439-92-1	Lead	111		mg/kg dry	0.588	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 15:51	JAM
7439-95-4	Magnesium	6040		mg/kg dry	5.88	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 15:51	JAM
7439-96-5	Manganese	353		mg/kg dry	0.588	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 15:51	JAM
7440-02-0	Nickel	52.2		mg/kg dry	1.18	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 15:51	JAM
7440-09-7	Potassium	4050		mg/kg dry	5.88	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 15:51	JAM
7782-49-2	Selenium	ND		mg/kg dry	2.94	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 15:51	JAM
7440-22-4	Silver	ND		mg/kg dry	0.588	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 15:51	JAM
7440-23-5	Sodium	262		mg/kg dry	58.8	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 15:51	JAM
7440-28-0	Thallium	ND		mg/kg dry	2.94	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 15:51	JAM
7440-62-2	Vanadium	42.0		mg/kg dry	1.18	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 15:51	JAM
7440-66-6	Zinc	142		mg/kg dry	2.94	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 15:51	JAM

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	0.149		mg/kg dry	0.0353	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	01/29/2020 18:19	01/29/2020 21:09	MAO

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	85.0		%	0.100	1	SM 2540G Certifications: CTDOH	01/30/2020 15:24	01/30/2020 22:34	MAO



Sample Information

Client Sample ID: GB-3 (8-12)

York Sample ID: 20A1033-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1033

130 Midland Avenue, Port Chester, New York

Soil

January 28, 2020 12:00 am

01/29/2020

Volatiles, 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	0.44	0.88	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/03/2020 19:28	LLJ
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.44	0.88	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/03/2020 19:28	LLJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.44	0.88	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/03/2020 19:28	LLJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.44	0.88	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	02/01/2020 17:22	02/03/2020 19:28	LLJ
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.44	0.88	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/03/2020 19:28	LLJ
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.44	0.88	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/03/2020 19:28	LLJ
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.44	0.88	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/03/2020 19:28	LLJ
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.44	0.88	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/03/2020 19:28	LLJ
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.44	0.88	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/03/2020 19:28	LLJ
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.44	0.88	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	02/01/2020 17:22	02/03/2020 19:28	LLJ
95-93-2	* 1,2,4,5-Tetramethylbenzene	16		mg/kg dry	0.44	0.88	100	EPA 8260C Certifications:	02/01/2020 17:22	02/03/2020 19:28	LLJ
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.44	0.88	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/03/2020 19:28	LLJ
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.44	0.88	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/03/2020 19:28	LLJ
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.44	0.88	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/03/2020 19:28	LLJ
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.44	0.88	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/03/2020 19:28	LLJ
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.44	0.88	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/03/2020 19:28	LLJ
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.44	0.88	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/03/2020 19:28	LLJ
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.44	0.88	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/03/2020 19:28	LLJ
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.44	0.88	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/03/2020 19:28	LLJ
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.44	0.88	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/03/2020 19:28	LLJ
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.44	0.88	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/03/2020 19:28	LLJ
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.44	0.88	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/03/2020 19:28	LLJ
123-91-1	1,4-Dioxane	ND		mg/kg dry	8.8	18	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/03/2020 19:28	LLJ



Sample Information

Client Sample ID: GB-3 (8-12)

York Sample ID: 20A1033-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1033

130 Midland Avenue, Port Chester, New York

Soil

January 28, 2020 12:00 am

01/29/2020

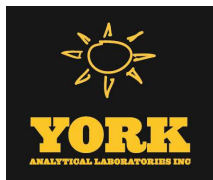
Volatiles, 8260 Comprehensive

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
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.44	0.88	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	02/01/2020 17:22	02/03/2020 19:28	LLJ
78-93-3	2-Butanone	ND		mg/kg dry	0.44	0.88	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/03/2020 19:28	LLJ
110-75-8	2-Chloroethylvinyl ether	ND		mg/kg dry	1.8	3.5	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/03/2020 19:28	LLJ
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.44	0.88	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/03/2020 19:28	LLJ
591-78-6	2-Hexanone	ND		mg/kg dry	0.44	0.88	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/03/2020 19:28	LLJ
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.44	0.88	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/03/2020 19:28	LLJ
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.44	0.88	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/03/2020 19:28	LLJ
67-64-1	Acetone	ND		mg/kg dry	0.88	1.8	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/03/2020 19:28	LLJ
107-02-8	Acrolein	ND		mg/kg dry	0.88	1.8	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/03/2020 19:28	LLJ
107-13-1	Acrylonitrile	ND		mg/kg dry	0.44	0.88	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/03/2020 19:28	LLJ
71-43-2	Benzene	ND		mg/kg dry	0.44	0.88	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/03/2020 19:28	LLJ
108-86-1	Bromobenzene	ND		mg/kg dry	0.44	0.88	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/03/2020 19:28	LLJ
74-97-5	Bromochloromethane	ND		mg/kg dry	0.44	0.88	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/03/2020 19:28	LLJ
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.44	0.88	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/03/2020 19:28	LLJ
75-25-2	Bromoform	ND		mg/kg dry	0.44	0.88	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/03/2020 19:28	LLJ
74-83-9	Bromomethane	ND		mg/kg dry	0.44	0.88	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/03/2020 19:28	LLJ
75-15-0	Carbon disulfide	ND		mg/kg dry	0.44	0.88	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/03/2020 19:28	LLJ
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.44	0.88	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/03/2020 19:28	LLJ
108-90-7	Chlorobenzene	ND		mg/kg dry	0.44	0.88	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/03/2020 19:28	LLJ
75-00-3	Chloroethane	ND		mg/kg dry	0.44	0.88	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/03/2020 19:28	LLJ
67-66-3	Chloroform	ND		mg/kg dry	0.44	0.88	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/03/2020 19:28	LLJ
74-87-3	Chloromethane	ND		mg/kg dry	0.44	0.88	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/03/2020 19:28	LLJ
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.44	0.88	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/03/2020 19:28	LLJ



Sample Information

Client Sample ID: GB-3 (8-12)

York Sample ID: 20A1033-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1033

130 Midland Avenue, Port Chester, New York

Soil

January 28, 2020 12:00 am

01/29/2020

Volatiles, 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
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.44	0.88	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/03/2020 19:28	LLJ
110-82-7	Cyclohexane	6.8		mg/kg dry	0.44	0.88	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/03/2020 19:28	LLJ
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.44	0.88	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/03/2020 19:28	LLJ
74-95-3	Dibromomethane	ND		mg/kg dry	0.44	0.88	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/03/2020 19:28	LLJ
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.44	0.88	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/03/2020 19:28	LLJ
108-20-3	* Diisopropyl ether (DIPE)	ND		mg/kg dry	0.70	1.4	100	EPA 8260C Certifications:	02/01/2020 17:22	02/03/2020 19:28	LLJ
64-17-5	* Ethanol	ND		mg/kg dry	7.0	14	100	EPA 8260C Certifications:	02/01/2020 17:22	02/03/2020 19:28	LLJ
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.44	0.88	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/03/2020 19:28	LLJ
637-92-3	* Ethyl tert-butyl ether (ETBE)	ND		mg/kg dry	0.70	1.4	100	EPA 8260C Certifications:	02/01/2020 17:22	02/03/2020 19:28	LLJ
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.44	0.88	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/03/2020 19:28	LLJ
74-88-4	* Iodomethane	ND		mg/kg dry	0.44	0.88	100	EPA 8260C Certifications:	02/01/2020 17:22	02/03/2020 19:28	LLJ
98-82-8	Isopropylbenzene	2.6		mg/kg dry	0.44	0.88	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/03/2020 19:28	LLJ
79-20-9	Methyl acetate	ND		mg/kg dry	0.44	0.88	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/03/2020 19:28	LLJ
80-62-6	Methyl Methacrylate	ND		mg/kg dry	0.44	0.88	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	02/01/2020 17:22	02/03/2020 19:28	LLJ
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.44	0.88	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/03/2020 19:28	LLJ
108-87-2	Methylcyclohexane	39		mg/kg dry	2.2	4.4	500	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/04/2020 14:28	LLJ
75-09-2	Methylene chloride	ND		mg/kg dry	0.88	1.8	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/03/2020 19:28	LLJ
91-20-3	Naphthalene	ND		mg/kg dry	0.44	1.8	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/03/2020 19:28	LLJ
104-51-8	n-Butylbenzene	4.0		mg/kg dry	0.44	0.88	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/03/2020 19:28	LLJ
103-65-1	n-Propylbenzene	4.4		mg/kg dry	0.44	0.88	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/03/2020 19:28	LLJ
95-47-6	o-Xylene	ND		mg/kg dry	0.44	0.88	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/03/2020 19:28	LLJ
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.88	1.8	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/03/2020 19:28	LLJ
105-05-5	* p-Diethylbenzene	3.0		mg/kg dry	0.44	0.88	100	EPA 8260C Certifications:	02/01/2020 17:22	02/03/2020 19:28	LLJ



Sample Information

Client Sample ID: GB-3 (8-12)

York Sample ID: 20A1033-04

York Project (SDG) No.

Client Project ID

Matrix

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20A1033

130 Midland Avenue, Port Chester, New York

Soil

January 28, 2020 12:00 am

01/29/2020

Volatiles, 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
622-96-8	* p-Ethyltoluene	ND		mg/kg dry	0.44	0.88	100	EPA 8260C Certifications:	02/01/2020 17:22	02/03/2020 19:28	LLJ
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.44	0.88	100	EPA 8260C Certifications:	02/01/2020 17:22	02/03/2020 19:28	LLJ
135-98-8	sec-Butylbenzene	3.2		mg/kg dry	0.44	0.88	100	EPA 8260C Certifications:	02/01/2020 17:22	02/03/2020 19:28	LLJ
100-42-5	Styrene	ND		mg/kg dry	0.44	0.88	100	EPA 8260C Certifications:	02/01/2020 17:22	02/03/2020 19:28	LLJ
75-85-4	* tert-Amyl alcohol (TAA)	ND		mg/kg dry	7.0	14	100	EPA 8260C Certifications:	02/01/2020 17:22	02/03/2020 19:28	LLJ
994-05-8	* tert-Amyl methyl ether (TAME)	ND		mg/kg dry	0.70	1.4	100	EPA 8260C Certifications:	02/01/2020 17:22	02/03/2020 19:28	LLJ
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.44	0.88	100	EPA 8260C Certifications:	02/01/2020 17:22	02/03/2020 19:28	LLJ
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.44	0.88	100	EPA 8260C Certifications:	02/01/2020 17:22	02/03/2020 19:28	LLJ
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.44	0.88	100	EPA 8260C Certifications:	02/01/2020 17:22	02/03/2020 19:28	LLJ
109-99-9	* Tetrahydrofuran	ND		mg/kg dry	0.88	1.8	100	EPA 8260C Certifications:	02/01/2020 17:22	02/03/2020 19:28	LLJ
108-88-3	Toluene	ND		mg/kg dry	0.44	0.88	100	EPA 8260C Certifications:	02/01/2020 17:22	02/03/2020 19:28	LLJ
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.44	0.88	100	EPA 8260C Certifications:	02/01/2020 17:22	02/03/2020 19:28	LLJ
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.44	0.88	100	EPA 8260C Certifications:	02/01/2020 17:22	02/03/2020 19:28	LLJ
110-57-6	* trans-1,4-dichloro-2-butene	ND		mg/kg dry	0.44	0.88	100	EPA 8260C Certifications:	02/01/2020 17:22	02/03/2020 19:28	LLJ
79-01-6	Trichloroethylene	ND		mg/kg dry	0.44	0.88	100	EPA 8260C Certifications:	02/01/2020 17:22	02/03/2020 19:28	LLJ
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.44	0.88	100	EPA 8260C Certifications:	02/01/2020 17:22	02/03/2020 19:28	LLJ
108-05-4	Vinyl acetate	ND		mg/kg dry	0.44	0.88	100	EPA 8260C Certifications:	02/01/2020 17:22	02/03/2020 19:28	LLJ
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.44	0.88	100	EPA 8260C Certifications:	02/01/2020 17:22	02/03/2020 19:28	LLJ
1330-20-7	Xylenes, Total	ND		mg/kg dry	1.3	2.6	100	EPA 8260C Certifications:	02/01/2020 17:22	02/03/2020 19:28	LLJ
107-05-1	* Allyl chloride	ND		mg/kg dry	0.44	0.88	100	EPA 8260C Certifications:	02/01/2020 17:22	02/03/2020 19:28	LLJ
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	102 %	77-125								
2037-26-5	Surrogate: SURR: Toluene-d8	97.5 %	85-120								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	93.5 %	76-130								



Sample Information

Client Sample ID: GB-3 (8-12)

York Sample ID: 20A1033-04

York Project (SDG) No.

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20A1033

130 Midland Avenue, Port Chester, New York

Soil

January 28, 2020 12:00 am

01/29/2020

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

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	0.105	0.210	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 11:35	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.210	0.419	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 11:35	KH
120-82-1	1,2,4-Trichlorobenzene	ND	CCV-L	mg/kg dry	0.105	0.210	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 11:35	KH
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.105	0.210	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	01/31/2020 13:44	02/03/2020 11:35	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.105	0.210	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 11:35	KH
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.105	0.210	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	01/31/2020 13:44	02/03/2020 11:35	KH
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.105	0.210	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	01/31/2020 13:44	02/03/2020 11:35	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.210	0.419	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 11:35	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.105	0.210	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 11:35	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.105	0.210	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 11:35	KH
120-83-2	2,4-Dichlorophenol	ND	CCV-L	mg/kg dry	0.105	0.210	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 11:35	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.105	0.210	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 11:35	KH
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.210	0.419	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 11:35	KH
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.105	0.210	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 11:35	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.105	0.210	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 11:35	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.105	0.210	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 11:35	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.105	0.210	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 11:35	KH
91-57-6	2-Methylnaphthalene	2.59	CCV-L	mg/kg dry	0.105	0.210	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 11:35	KH
95-48-7	2-Methylphenol	ND		mg/kg dry	0.105	0.210	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 11:35	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.210	0.419	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 11:35	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.105	0.210	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 11:35	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.105	0.210	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 11:35	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.105	0.210	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 11:35	KH



Sample Information

Client Sample ID: GB-3 (8-12)

York Sample ID: 20A1033-04

York Project (SDG) No.

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20A1033

130 Midland Avenue, Port Chester, New York

Soil

January 28, 2020 12:00 am

01/29/2020

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.210	0.419	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 11:35	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND	CCV-L	mg/kg dry	0.210	0.419	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 11:35	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.105	0.210	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 11:35	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.105	0.210	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 11:35	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.105	0.210	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 11:35	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.105	0.210	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 11:35	KH
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.210	0.419	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 11:35	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.210	0.419	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 11:35	KH
83-32-9	Acenaphthene	ND		mg/kg dry	0.105	0.210	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 11:35	KH
208-96-8	Acenaphthylene	ND		mg/kg dry	0.105	0.210	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 11:35	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.105	0.210	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 11:35	KH
62-53-3	Aniline	ND		mg/kg dry	0.420	0.840	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 11:35	KH
120-12-7	Anthracene	ND		mg/kg dry	0.105	0.210	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 11:35	KH
1912-24-9	Atrazine	ND	CCV-L	mg/kg dry	0.105	0.210	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 11:35	KH
100-52-7	Benzaldehyde	ND	CCV-L	mg/kg dry	0.105	0.210	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 11:35	KH
92-87-5	Benzidine	ND	CCV-L	mg/kg dry	0.420	0.840	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	01/31/2020 13:44	02/03/2020 11:35	KH
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.105	0.210	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 11:35	KH
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.105	0.210	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 11:35	KH
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.105	0.210	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 11:35	KH
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.105	0.210	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 11:35	KH
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.105	0.210	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 11:35	KH
65-85-0	Benzoic acid	ND	CCV-L	mg/kg dry	0.105	0.210	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 11:35	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.105	0.210	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 11:35	KH



Sample Information

Client Sample ID: GB-3 (8-12)

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York Project (SDG) No.

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20A1033

130 Midland Avenue, Port Chester, New York

Soil

January 28, 2020 12:00 am

01/29/2020

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.105	0.210	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 11:35	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.105	0.210	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 11:35	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.105	0.210	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 11:35	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.105	0.210	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 11:35	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.105	0.210	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 11:35	KH
105-60-2	Caprolactam	ND		mg/kg dry	0.210	0.419	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 11:35	KH
86-74-8	Carbazole	ND		mg/kg dry	0.105	0.210	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 11:35	KH
218-01-9	Chrysene	ND		mg/kg dry	0.105	0.210	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 11:35	KH
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.105	0.210	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 11:35	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.105	0.210	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 11:35	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.105	0.210	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 11:35	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.105	0.210	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 11:35	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.105	0.210	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 11:35	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.105	0.210	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 11:35	KH
206-44-0	Fluoranthene	ND		mg/kg dry	0.105	0.210	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 11:35	KH
86-73-7	Fluorene	ND		mg/kg dry	0.105	0.210	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 11:35	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.105	0.210	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 11:35	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.105	0.210	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 11:35	KH
77-47-4	Hexachlorocyclopentadiene	ND	CCV-L	mg/kg dry	0.105	0.210	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 11:35	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.105	0.210	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 11:35	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.105	0.210	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 11:35	KH
78-59-1	Isophorone	ND		mg/kg dry	0.105	0.210	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 11:35	KH
91-20-3	Naphthalene	ND	CCV-L	mg/kg dry	0.105	0.210	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 11:35	KH



Sample Information

Client Sample ID: GB-3 (8-12)

York Sample ID: 20A1033-04

York Project (SDG) No.

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20A1033

130 Midland Avenue, Port Chester, New York

Soil

January 28, 2020 12:00 am

01/29/2020

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
98-95-3	Nitrobenzene	ND		mg/kg dry	0.105	0.210	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 11:35	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.105	0.210	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 11:35	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.105	0.210	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 11:35	KH
86-30-6	N-Nitrosodiphenylamine	ND	CCV-L	mg/kg dry	0.105	0.210	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 11:35	KH
87-86-5	Pentachlorophenol	ND	CCV-L	mg/kg dry	0.105	0.210	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 11:35	KH
85-01-8	Phenanthrene	ND	CCV-L	mg/kg dry	0.105	0.210	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 11:35	KH
108-95-2	Phenol	ND		mg/kg dry	0.105	0.210	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 11:35	KH
129-00-0	Pyrene	ND		mg/kg dry	0.105	0.210	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 11:35	KH
110-86-1	Pyridine	ND		mg/kg dry	0.420	0.840	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 11:35	KH
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: SURR: 2-Fluorophenol	69.9 %	20-108								
4165-62-2	Surrogate: SURR: Phenol-d5	70.4 %	23-114								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	75.8 %	22-108								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	41.2 %	21-113								
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	51.6 %	19-110								
1718-51-0	Surrogate: SURR: Terphenyl-d14	34.2 %	24-116								

Semi-Volatiles, 1,4-Dioxane by 8270-SIM

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
123-91-1	1,4-Dioxane	ND		ug/kg	9.90	1	EPA 8270D SIM Certifications: NELAC-NY10854	02/03/2020 08:00	02/06/2020 21:24	KH
Surrogate Recoveries		Result	Acceptance Range							
17647-74-4	Surrogate: 1,4-Dioxane-d8	52.0 %	39-83.1							

Pesticides, 8081 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	0.00415	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 07:43	01/31/2020 13:40	CM



Sample Information

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130 Midland Avenue, Port Chester, New York

Soil

January 28, 2020 12:00 am

01/29/2020

Pesticides, 8081 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
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00415	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 07:43	01/31/2020 13:40	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00415	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 07:43	01/31/2020 13:40	CM
309-00-2	Aldrin	ND		mg/kg dry	0.00415	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 07:43	01/31/2020 13:40	CM
319-84-6	alpha-BHC	ND		mg/kg dry	0.00415	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 07:43	01/31/2020 13:40	CM
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00415	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	01/30/2020 07:43	01/31/2020 13:40	CM
319-85-7	beta-BHC	ND		mg/kg dry	0.00415	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 07:43	01/31/2020 13:40	CM
319-86-8	delta-BHC	ND		mg/kg dry	0.00415	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 07:43	01/31/2020 13:40	CM
60-57-1	Dieldrin	ND		mg/kg dry	0.00415	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 07:43	01/31/2020 13:40	CM
959-98-8	Endosulfan I	ND		mg/kg dry	0.00415	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 07:43	01/31/2020 13:40	CM
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00415	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	01/30/2020 07:43	01/31/2020 13:40	CM
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00415	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 07:43	01/31/2020 13:40	CM
72-20-8	Endrin	ND		mg/kg dry	0.00415	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 07:43	01/31/2020 13:40	CM
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00415	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 07:43	01/31/2020 13:40	CM
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00415	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 07:43	01/31/2020 13:40	CM
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00415	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 07:43	01/31/2020 13:40	CM
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00415	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	01/30/2020 07:43	01/31/2020 13:40	CM
76-44-8	Heptachlor	ND		mg/kg dry	0.00415	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 07:43	01/31/2020 13:40	CM
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00415	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 07:43	01/31/2020 13:40	CM
72-43-5	Methoxychlor	ND		mg/kg dry	0.00415	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 07:43	01/31/2020 13:40	CM
8001-35-2	Toxaphene	ND		mg/kg dry	0.415	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 07:43	01/31/2020 13:40	CM
57-74-9	* Chlordane, total	ND		mg/kg dry	0.0830	5	EPA 8081B Certifications:	01/30/2020 07:43	01/31/2020 13:40	CM
Surrogate Recoveries		Result		Acceptance Range						
2051-24-3	Surrogate: Decachlorobiphenyl	23.7 %	S-GC				30-150			
877-09-8	Surrogate: Tetrachloro-m-xylene	41.7 %					30-150			



Sample Information

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Polychlorinated Biphenyls (PCB), 8082 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
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0419	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/30/2020 07:43	01/31/2020 15:57	SR
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0419	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/30/2020 07:43	01/31/2020 15:57	SR
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0419	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/30/2020 07:43	01/31/2020 15:57	SR
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0419	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/30/2020 07:43	01/31/2020 15:57	SR
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0419	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/30/2020 07:43	01/31/2020 15:57	SR
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0419	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/30/2020 07:43	01/31/2020 15:57	SR
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0419	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/30/2020 07:43	01/31/2020 15:57	SR
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0419	1	EPA 8082A Certifications:	01/30/2020 07:43	01/31/2020 15:57	SR
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	43.5 %		30-120						
2051-24-3	Surrogate: Decachlorobiphenyl	20.0 %	S-GC	30-120						

Herbicides, 8151 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	0.0510	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 07:49	01/31/2020 20:36	SR
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0510	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 07:49	01/31/2020 20:36	SR
94-75-7	2,4-D	ND		mg/kg dry	0.0510	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 07:49	01/31/2020 20:36	SR
Surrogate Recoveries		Result		Acceptance Range						
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	50.0 %		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	14300		mg/kg dry	12.8	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 15:59	JAM
7440-36-0	Antimony	ND		mg/kg dry	6.40	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 15:59	JAM



Sample Information

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130 Midland Avenue, Port Chester, New York

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01/29/2020

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
7440-38-2	Arsenic	ND		mg/kg dry	3.84	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 15:59	JAM
7440-39-3	Barium	122		mg/kg dry	6.40	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 15:59	JAM
7440-41-7	Beryllium	ND		mg/kg dry	0.128	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 15:59	JAM
7440-43-9	Cadmium	ND		mg/kg dry	0.767	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 15:59	JAM
7440-70-2	Calcium	6450		mg/kg dry	12.8	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 15:59	JAM
7440-47-3	Chromium	34.5		mg/kg dry	1.28	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 15:59	JAM
7440-48-4	Cobalt	10.6		mg/kg dry	1.02	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 15:59	JAM
7440-50-8	Copper	46.7		mg/kg dry	5.12	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 15:59	JAM
7439-89-6	Iron	14600		mg/kg dry	64.0	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 15:59	JAM
7439-92-1	Lead	8.45		mg/kg dry	1.28	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 15:59	JAM
7439-95-4	Magnesium	5740		mg/kg dry	12.8	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 15:59	JAM
7439-96-5	Manganese	277		mg/kg dry	1.28	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 15:59	JAM
7440-02-0	Nickel	47.0		mg/kg dry	2.56	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 15:59	JAM
7440-09-7	Potassium	1960		mg/kg dry	12.8	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 15:59	JAM
7782-49-2	Selenium	ND		mg/kg dry	6.40	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 15:59	JAM
7440-22-4	Silver	ND		mg/kg dry	1.28	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 15:59	JAM
7440-23-5	Sodium	332		mg/kg dry	128	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 15:59	JAM
7440-28-0	Thallium	ND		mg/kg dry	6.40	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 15:59	JAM
7440-62-2	Vanadium	33.3		mg/kg dry	2.56	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 15:59	JAM
7440-66-6	Zinc	80.9		mg/kg dry	6.40	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 15:59	JAM

Mercury by 7473

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: GB-3 (8-12)

York Sample ID: 20A1033-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1033

130 Midland Avenue, Port Chester, New York

Soil

January 28, 2020 12:00 am

01/29/2020

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	0.0767	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	01/29/2020 18:19	01/29/2020 21:19	MAO

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	39.1		%	0.100	1	SM 2540G Certifications: CTDOH	01/30/2020 15:24	01/30/2020 22:34	MAO

Sample Information

Client Sample ID: GB-4 (0-4)

York Sample ID: 20A1033-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1033

130 Midland Avenue, Port Chester, New York

Soil

January 28, 2020 12:00 am

01/29/2020

Volatiles, 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	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 07:30	LLJ
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 07:30	LLJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 07:30	LLJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	02/01/2020 06:22	02/02/2020 07:30	LLJ
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 07:30	LLJ
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 07:30	LLJ
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 07:30	LLJ
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 07:30	LLJ
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 07:30	LLJ
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	02/01/2020 06:22	02/02/2020 07:30	LLJ
95-93-2	* 1,2,4,5-Tetramethylbenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications:	02/01/2020 06:22	02/02/2020 07:30	LLJ



Sample Information

Client Sample ID: GB-4 (0-4)

York Sample ID: 20A1033-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1033

130 Midland Avenue, Port Chester, New York

Soil

January 28, 2020 12:00 am

01/29/2020

Volatiles, 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
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications:	02/01/2020 06:22 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2020 07:30	LLJ
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications:	02/01/2020 06:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2020 07:30	LLJ
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications:	02/01/2020 06:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2020 07:30	LLJ
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications:	02/01/2020 06:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2020 07:30	LLJ
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications:	02/01/2020 06:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2020 07:30	LLJ
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications:	02/01/2020 06:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2020 07:30	LLJ
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications:	02/01/2020 06:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2020 07:30	LLJ
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications:	02/01/2020 06:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2020 07:30	LLJ
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications:	02/01/2020 06:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2020 07:30	LLJ
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications:	02/01/2020 06:22 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2020 07:30	LLJ
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications:	02/01/2020 06:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2020 07:30	LLJ
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.040	0.079	1	EPA 8260C Certifications:	02/01/2020 06:22 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2020 07:30	LLJ
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications:	02/01/2020 06:22 NELAC-NY10854,NELAC-NY12058,NJDEP	02/02/2020 07:30	LLJ
78-93-3	2-Butanone	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications:	02/01/2020 06:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2020 07:30	LLJ
110-75-8	2-Chloroethylvinyl ether	ND		mg/kg dry	0.0079	0.016	1	EPA 8260C Certifications:	02/01/2020 06:22 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2020 07:30	LLJ
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications:	02/01/2020 06:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2020 07:30	LLJ
591-78-6	2-Hexanone	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications:	02/01/2020 06:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2020 07:30	LLJ
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications:	02/01/2020 06:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2020 07:30	LLJ
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications:	02/01/2020 06:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2020 07:30	LLJ
67-64-1	Acetone	ND		mg/kg dry	0.0040	0.0079	1	EPA 8260C Certifications:	02/01/2020 06:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2020 07:30	LLJ
107-02-8	Acrolein	ND		mg/kg dry	0.0040	0.0079	1	EPA 8260C Certifications:	02/01/2020 06:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2020 07:30	LLJ
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications:	02/01/2020 06:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2020 07:30	LLJ
71-43-2	Benzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications:	02/01/2020 06:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2020 07:30	LLJ



Sample Information

Client Sample ID: GB-4 (0-4)

York Sample ID: 20A1033-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1033

130 Midland Avenue, Port Chester, New York

Soil

January 28, 2020 12:00 am

01/29/2020

Volatiles, 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
108-86-1	Bromobenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 07:30	LLJ
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 07:30	LLJ
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 07:30	LLJ
75-25-2	Bromoform	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 07:30	LLJ
74-83-9	Bromomethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 07:30	LLJ
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 07:30	LLJ
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 07:30	LLJ
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 07:30	LLJ
75-00-3	Chloroethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 07:30	LLJ
67-66-3	Chloroform	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 07:30	LLJ
74-87-3	Chloromethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 07:30	LLJ
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 07:30	LLJ
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 07:30	LLJ
110-82-7	Cyclohexane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 07:30	LLJ
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 07:30	LLJ
74-95-3	Dibromomethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 07:30	LLJ
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 07:30	LLJ
108-20-3	* Diisopropyl ether (DIPE)	ND		mg/kg dry	0.0032	0.0063	1	EPA 8260C Certifications:	02/01/2020 06:22	02/02/2020 07:30	LLJ
64-17-5	* Ethanol	ND		mg/kg dry	0.032	0.063	1	EPA 8260C Certifications:	02/01/2020 06:22	02/02/2020 07:30	LLJ
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 07:30	LLJ
637-92-3	* Ethyl tert-butyl ether (ETBE)	ND		mg/kg dry	0.0032	0.0063	1	EPA 8260C Certifications:	02/01/2020 06:22	02/02/2020 07:30	LLJ
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 07:30	LLJ
74-88-4	* Iodomethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications:	02/01/2020 06:22	02/02/2020 07:30	LLJ



Sample Information

Client Sample ID: GB-4 (0-4)

York Sample ID: 20A1033-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1033

130 Midland Avenue, Port Chester, New York

Soil

January 28, 2020 12:00 am

01/29/2020

Volatiles, 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
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications:	02/01/2020 06:22	02/02/2020 07:30	LLJ
79-20-9	Methyl acetate	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications:	02/01/2020 06:22	02/02/2020 07:30	LLJ
80-62-6	Methyl Methacrylate	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications:	02/01/2020 06:22	02/02/2020 07:30	LLJ
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications:	02/01/2020 06:22	02/02/2020 07:30	LLJ
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications:	02/01/2020 06:22	02/02/2020 07:30	LLJ
75-09-2	Methylene chloride	ND		mg/kg dry	0.0040	0.0079	1	EPA 8260C Certifications:	02/01/2020 06:22	02/02/2020 07:30	LLJ
91-20-3	Naphthalene	ND		mg/kg dry	0.0020	0.0079	1	EPA 8260C Certifications:	02/01/2020 06:22	02/02/2020 07:30	LLJ
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications:	02/01/2020 06:22	02/02/2020 07:30	LLJ
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications:	02/01/2020 06:22	02/02/2020 07:30	LLJ
95-47-6	o-Xylene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications:	02/01/2020 06:22	02/02/2020 07:30	LLJ
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0040	0.0079	1	EPA 8260C Certifications:	02/01/2020 06:22	02/02/2020 07:30	LLJ
105-05-5	* p-Diethylbenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications:	02/01/2020 06:22	02/02/2020 07:30	LLJ
622-96-8	* p-Ethyltoluene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications:	02/01/2020 06:22	02/02/2020 07:30	LLJ
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications:	02/01/2020 06:22	02/02/2020 07:30	LLJ
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications:	02/01/2020 06:22	02/02/2020 07:30	LLJ
100-42-5	Styrene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications:	02/01/2020 06:22	02/02/2020 07:30	LLJ
75-85-4	* tert-Amyl alcohol (TAA)	ND		mg/kg dry	0.032	0.063	1	EPA 8260C Certifications:	02/01/2020 06:22	02/02/2020 07:30	LLJ
994-05-8	* tert-Amyl methyl ether (TAME)	ND		mg/kg dry	0.0032	0.0063	1	EPA 8260C Certifications:	02/01/2020 06:22	02/02/2020 07:30	LLJ
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications:	02/01/2020 06:22	02/02/2020 07:30	LLJ
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications:	02/01/2020 06:22	02/02/2020 07:30	LLJ
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications:	02/01/2020 06:22	02/02/2020 07:30	LLJ
109-99-9	* Tetrahydrofuran	ND		mg/kg dry	0.0040	0.0079	1	EPA 8260C Certifications:	02/01/2020 06:22	02/02/2020 07:30	LLJ
108-88-3	Toluene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications:	02/01/2020 06:22	02/02/2020 07:30	LLJ



Sample Information

Client Sample ID: GB-4 (0-4)

York Sample ID: 20A1033-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1033

130 Midland Avenue, Port Chester, New York

Soil

January 28, 2020 12:00 am

01/29/2020

Volatiles, 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
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 07:30	LLJ
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 07:30	LLJ
110-57-6	* trans-1,4-dichloro-2-butene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH	02/01/2020 06:22	02/02/2020 07:30	LLJ
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 07:30	LLJ
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 07:30	LLJ
108-05-4	Vinyl acetate	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 07:30	LLJ
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 07:30	LLJ
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0059	0.012	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	02/01/2020 06:22	02/02/2020 07:30	LLJ
107-05-1	* Allyl chloride	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications:	02/01/2020 06:22	02/02/2020 07:30	LLJ
Surrogate Recoveries		Result		Acceptance Range							
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	101 %				77-125					
2037-26-5	Surrogate: SURR: Toluene-d8	93.8 %				85-120					
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	94.7 %				76-130					

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

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	0.0477	0.0951	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 12:04	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0951	0.190	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 12:04	KH
120-82-1	1,2,4-Trichlorobenzene	ND	CCV-L	mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 12:04	KH
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	01/31/2020 13:44	02/03/2020 12:04	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 12:04	KH
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	01/31/2020 13:44	02/03/2020 12:04	KH
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	01/31/2020 13:44	02/03/2020 12:04	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0951	0.190	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 12:04	KH



Sample Information

Client Sample ID: GB-4 (0-4)

York Sample ID: 20A1033-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1033

130 Midland Avenue, Port Chester, New York

Soil

January 28, 2020 12:00 am

01/29/2020

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications:	01/31/2020 13:44 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 12:04	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications:	01/31/2020 13:44 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 12:04	KH
120-83-2	2,4-Dichlorophenol	ND	CCV-L	mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications:	01/31/2020 13:44 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 12:04	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications:	01/31/2020 13:44 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 12:04	KH
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0951	0.190	2	EPA 8270D Certifications:	01/31/2020 13:44 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 12:04	KH
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications:	01/31/2020 13:44 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 12:04	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications:	01/31/2020 13:44 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 12:04	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications:	01/31/2020 13:44 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 12:04	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications:	01/31/2020 13:44 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 12:04	KH
91-57-6	2-Methylnaphthalene	ND	CCV-L	mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications:	01/31/2020 13:44 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 12:04	KH
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications:	01/31/2020 13:44 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 12:04	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0951	0.190	2	EPA 8270D Certifications:	01/31/2020 13:44 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 12:04	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications:	01/31/2020 13:44 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 12:04	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications:	01/31/2020 13:44 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 12:04	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications:	01/31/2020 13:44 NELAC-NY10854,NJDEP,PADEP	02/03/2020 12:04	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0951	0.190	2	EPA 8270D Certifications:	01/31/2020 13:44 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 12:04	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND	CCV-L	mg/kg dry	0.0951	0.190	2	EPA 8270D Certifications:	01/31/2020 13:44 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 12:04	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications:	01/31/2020 13:44 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 12:04	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications:	01/31/2020 13:44 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 12:04	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications:	01/31/2020 13:44 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 12:04	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications:	01/31/2020 13:44 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 12:04	KH
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0951	0.190	2	EPA 8270D Certifications:	01/31/2020 13:44 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 12:04	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0951	0.190	2	EPA 8270D Certifications:	01/31/2020 13:44 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 12:04	KH



Sample Information

Client Sample ID: GB-4 (0-4)

York Sample ID: 20A1033-05

York Project (SDG) No.

Client Project ID

Matrix

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20A1033

130 Midland Avenue, Port Chester, New York

Soil

January 28, 2020 12:00 am

01/29/2020

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	0.0494	J	mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 12:04	KH
208-96-8	Acenaphthylene	0.0753	J	mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 12:04	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 12:04	KH
62-53-3	Aniline	ND		mg/kg dry	0.190	0.381	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 12:04	KH
120-12-7	Anthracene	0.157		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 12:04	KH
1912-24-9	Atrazine	ND	CCV-L	mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 12:04	KH
100-52-7	Benzaldehyde	ND	CCV-L	mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 12:04	KH
92-87-5	Benzidine	ND	CCV-L	mg/kg dry	0.190	0.381	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	01/31/2020 13:44	02/03/2020 12:04	KH
56-55-3	Benzo(a)anthracene	0.428		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 12:04	KH
50-32-8	Benzo(a)pyrene	0.428		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 12:04	KH
205-99-2	Benzo(b)fluoranthene	0.365		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 12:04	KH
191-24-2	Benzo(g,h,i)perylene	0.316		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 12:04	KH
207-08-9	Benzo(k)fluoranthene	0.352		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 12:04	KH
65-85-0	Benzoic acid	ND	CCV-L	mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 12:04	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 12:04	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 12:04	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 12:04	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 12:04	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 12:04	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 12:04	KH
105-60-2	Caprolactam	ND		mg/kg dry	0.0951	0.190	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 12:04	KH
86-74-8	Carbazole	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 12:04	KH
218-01-9	Chrysene	0.425		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 12:04	KH



Sample Information

Client Sample ID: GB-4 (0-4)

York Sample ID: 20A1033-05

York Project (SDG) No.

Client Project ID

Matrix

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20A1033

130 Midland Avenue, Port Chester, New York

Soil

January 28, 2020 12:00 am

01/29/2020

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
53-70-3	Dibenzo(a,h)anthracene	0.0966		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 12:04	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 12:04	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 12:04	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 12:04	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 12:04	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 12:04	KH
206-44-0	Fluoranthene	0.863		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 12:04	KH
86-73-7	Fluorene	0.0547	J	mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 12:04	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 12:04	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 12:04	KH
77-47-4	Hexachlorocyclopentadiene	ND	CCV-L	mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 12:04	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 12:04	KH
193-39-5	Indeno(1,2,3-cd)pyrene	0.270		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 12:04	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 12:04	KH
91-20-3	Naphthalene	ND	CCV-L	mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 12:04	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 12:04	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 12:04	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 12:04	KH
86-30-6	N-Nitrosodiphenylamine	ND	CCV-L	mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 12:04	KH
87-86-5	Pentachlorophenol	ND	CCV-L	mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 12:04	KH
85-01-8	Phenanthrene	0.449	CCV-L	mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 12:04	KH
108-95-2	Phenol	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 12:04	KH
129-00-0	Pyrene	0.960		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 12:04	KH



Sample Information

Client Sample ID: GB-4 (0-4)

York Sample ID: 20A1033-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

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20A1033

130 Midland Avenue, Port Chester, New York

Soil

January 28, 2020 12:00 am

01/29/2020

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
110-86-1	Pyridine	ND		mg/kg dry	0.190	0.381	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 12:04	KH
Surrogate Recoveries		Result			Acceptance Range						
367-12-4	Surrogate: SURR: 2-Fluorophenol	71.4 %			20-108						
4165-62-2	Surrogate: SURR: Phenol-d5	72.5 %			23-114						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	75.7 %			22-108						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	64.9 %			21-113						
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	59.6 %			19-110						
1718-51-0	Surrogate: SURR: Terphenyl-d14	71.9 %			24-116						

Semi-Volatiles, 1,4-Dioxane by 8270-SIM

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
123-91-1	1,4-Dioxane	ND		ug/kg	9.35	1	EPA 8270D SIM Certifications: NELAC-NY10854	02/03/2020 08:00	02/06/2020 21:41	KH
Surrogate Recoveries		Result			Acceptance Range					
17647-74-4	Surrogate: 1,4-Dioxane-d8	44.0 %			39-83.1					

Pesticides, 8081 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	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 07:43	02/03/2020 19:00	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 07:43	02/03/2020 19:00	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 07:43	02/03/2020 19:00	CM
309-00-2	Aldrin	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 07:43	02/03/2020 19:00	CM
319-84-6	alpha-BHC	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 07:43	02/03/2020 19:00	CM
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	01/30/2020 07:43	02/03/2020 19:00	CM
319-85-7	beta-BHC	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 07:43	02/03/2020 19:00	CM
319-86-8	delta-BHC	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 07:43	02/03/2020 19:00	CM
60-57-1	Dieldrin	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 07:43	02/03/2020 19:00	CM



Sample Information

Client Sample ID: GB-4 (0-4)

York Sample ID: 20A1033-05

York Project (SDG) No.

Client Project ID

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Collection Date/Time

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20A1033

130 Midland Avenue, Port Chester, New York

Soil

January 28, 2020 12:00 am

01/29/2020

Pesticides, 8081 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
959-98-8	Endosulfan I	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 07:43	02/03/2020 19:00	CM
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	01/30/2020 07:43	02/03/2020 19:00	CM
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 07:43	02/03/2020 19:00	CM
72-20-8	Endrin	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 07:43	02/03/2020 19:00	CM
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 07:43	02/03/2020 19:00	CM
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 07:43	02/03/2020 19:00	CM
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 07:43	02/03/2020 19:00	CM
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	01/30/2020 07:43	02/03/2020 19:00	CM
76-44-8	Heptachlor	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 07:43	02/03/2020 19:00	CM
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 07:43	02/03/2020 19:00	CM
72-43-5	Methoxychlor	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 07:43	02/03/2020 19:00	CM
8001-35-2	Toxaphene	ND		mg/kg dry	0.188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 07:43	02/03/2020 19:00	CM
57-74-9	* Chlordane, total	ND		mg/kg dry	0.0376	5	EPA 8081B Certifications:	01/30/2020 07:43	02/03/2020 19:00	CM
Surrogate Recoveries		Result		Acceptance Range						
2051-24-3	Surrogate: Decachlorobiphenyl	59.4 %								
877-09-8	Surrogate: Tetrachloro-m-xylene	36.9 %								

Polychlorinated Biphenyls (PCB), 8082 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
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/30/2020 07:43	02/03/2020 14:23	SR
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/30/2020 07:43	02/03/2020 14:23	SR
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/30/2020 07:43	02/03/2020 14:23	SR
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/30/2020 07:43	02/03/2020 14:23	SR
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/30/2020 07:43	02/03/2020 14:23	SR



Sample Information

Client Sample ID: GB-4 (0-4)

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130 Midland Avenue, Port Chester, New York

Soil

January 28, 2020 12:00 am

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Polychlorinated Biphenyls (PCB), 8082 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
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/30/2020 07:43	02/03/2020 14:23	SR
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/30/2020 07:43	02/03/2020 14:23	SR
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications:	01/30/2020 07:43	02/03/2020 14:23	SR
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	65.5 %		30-120						
2051-24-3	Surrogate: Decachlorobiphenyl	62.5 %		30-120						

Herbicides, 8151 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	0.0227	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 07:49	01/31/2020 20:47	SR
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0227	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 07:49	01/31/2020 20:47	SR
94-75-7	2,4-D	ND		mg/kg dry	0.0227	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 07:49	01/31/2020 20:47	SR
Surrogate Recoveries		Result		Acceptance Range						
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	56.6 %		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	14200		mg/kg dry	5.74	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 16:02	JAM
7440-36-0	Antimony	ND		mg/kg dry	2.87	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 16:02	JAM
7440-38-2	Arsenic	6.46		mg/kg dry	1.72	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 16:02	JAM
7440-39-3	Barium	258		mg/kg dry	2.87	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 16:02	JAM
7440-41-7	Beryllium	ND		mg/kg dry	0.057	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 16:02	JAM
7440-43-9	Cadmium	1.19		mg/kg dry	0.344	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 16:02	JAM
7440-70-2	Calcium	8740		mg/kg dry	5.74	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 16:02	JAM



Sample Information

Client Sample ID: GB-4 (0-4)

York Sample ID: 20A1033-05

York Project (SDG) No.

Client Project ID

Matrix

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Date Received

20A1033

130 Midland Avenue, Port Chester, New York

Soil

January 28, 2020 12:00 am

01/29/2020

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
7440-47-3	Chromium	31.8		mg/kg dry	0.574	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 16:02	JAM
7440-48-4	Cobalt	11.8		mg/kg dry	0.459	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 16:02	JAM
7440-50-8	Copper	57.0		mg/kg dry	2.30	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 16:02	JAM
7439-89-6	Iron	25700		mg/kg dry	28.7	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 16:02	JAM
7439-92-1	Lead	204		mg/kg dry	0.574	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 16:02	JAM
7439-95-4	Magnesium	5710		mg/kg dry	5.74	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 16:02	JAM
7439-96-5	Manganese	309		mg/kg dry	0.574	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 16:02	JAM
7440-02-0	Nickel	34.5		mg/kg dry	1.15	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 16:02	JAM
7440-09-7	Potassium	3230		mg/kg dry	5.74	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 16:02	JAM
7782-49-2	Selenium	ND		mg/kg dry	2.87	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 16:02	JAM
7440-22-4	Silver	ND		mg/kg dry	0.574	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 16:02	JAM
7440-23-5	Sodium	475		mg/kg dry	57.4	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 16:02	JAM
7440-28-0	Thallium	ND		mg/kg dry	2.87	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 16:02	JAM
7440-62-2	Vanadium	37.1		mg/kg dry	1.15	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 16:02	JAM
7440-66-6	Zinc	251		mg/kg dry	2.87	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 16:02	JAM

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	0.255		mg/kg dry	0.0344	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	01/29/2020 18:19	01/29/2020 21:28	MAO

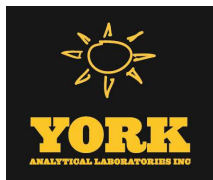
Total Solids

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



Sample Information

Client Sample ID: GB-4 (0-4)

York Sample ID: 20A1033-05

York Project (SDG) No.

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130 Midland Avenue, Port Chester, New York

Soil

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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	87.1		%	0.100	1	SM 2540G Certifications: CTDH	01/30/2020 15:24	01/30/2020 22:34	MAO

Sample Information

Client Sample ID: GB-4 (8-12)

York Sample ID: 20A1033-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1033

130 Midland Avenue, Port Chester, New York

Soil

January 28, 2020 12:00 am

01/29/2020

Volatiles, 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	0.22	0.45	100	EPA 8260C Certifications: CTDH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/03/2020 19:54	LLJ
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.22	0.45	100	EPA 8260C Certifications: CTDH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/03/2020 19:54	LLJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.22	0.45	100	EPA 8260C Certifications: CTDH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/03/2020 19:54	LLJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.22	0.45	100	EPA 8260C Certifications: CTDH,NELAC-NY10854,NELAC-NY12058,NJDEP	02/01/2020 17:22	02/03/2020 19:54	LLJ
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.22	0.45	100	EPA 8260C Certifications: CTDH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/03/2020 19:54	LLJ
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.22	0.45	100	EPA 8260C Certifications: CTDH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/03/2020 19:54	LLJ
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.22	0.45	100	EPA 8260C Certifications: CTDH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/03/2020 19:54	LLJ
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.22	0.45	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/03/2020 19:54	LLJ
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.22	0.45	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/03/2020 19:54	LLJ
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.22	0.45	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	02/01/2020 17:22	02/03/2020 19:54	LLJ
95-93-2	* 1,2,4,5-Tetramethylbenzene	11		mg/kg dry	0.22	0.45	100	EPA 8260C Certifications:	02/01/2020 17:22	02/03/2020 19:54	LLJ
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.22	0.45	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/03/2020 19:54	LLJ
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.22	0.45	100	EPA 8260C Certifications: CTDH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/03/2020 19:54	LLJ
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.22	0.45	100	EPA 8260C Certifications: CTDH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/03/2020 19:54	LLJ



Sample Information

Client Sample ID: GB-4 (8-12)

York Sample ID: 20A1033-06

York Project (SDG) No.

Client Project ID

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130 Midland Avenue, Port Chester, New York

Soil

January 28, 2020 12:00 am

01/29/2020

Volatiles, 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
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.22	0.45	100	EPA 8260C Certifications:	02/01/2020 17:22	02/03/2020 19:54	LLJ
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.22	0.45	100	EPA 8260C Certifications:	02/01/2020 17:22	02/03/2020 19:54	LLJ
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.22	0.45	100	EPA 8260C Certifications:	02/01/2020 17:22	02/03/2020 19:54	LLJ
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.22	0.45	100	EPA 8260C Certifications:	02/01/2020 17:22	02/03/2020 19:54	LLJ
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.22	0.45	100	EPA 8260C Certifications:	02/01/2020 17:22	02/03/2020 19:54	LLJ
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.22	0.45	100	EPA 8260C Certifications:	02/01/2020 17:22	02/03/2020 19:54	LLJ
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.22	0.45	100	EPA 8260C Certifications:	02/01/2020 17:22	02/03/2020 19:54	LLJ
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.22	0.45	100	EPA 8260C Certifications:	02/01/2020 17:22	02/03/2020 19:54	LLJ
123-91-1	1,4-Dioxane	ND		mg/kg dry	4.5	8.9	100	EPA 8260C Certifications:	02/01/2020 17:22	02/03/2020 19:54	LLJ
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.22	0.45	100	EPA 8260C Certifications:	02/01/2020 17:22	02/03/2020 19:54	LLJ
78-93-3	2-Butanone	ND		mg/kg dry	0.22	0.45	100	EPA 8260C Certifications:	02/01/2020 17:22	02/03/2020 19:54	LLJ
110-75-8	2-Chloroethylvinyl ether	ND		mg/kg dry	0.89	1.8	100	EPA 8260C Certifications:	02/01/2020 17:22	02/03/2020 19:54	LLJ
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.22	0.45	100	EPA 8260C Certifications:	02/01/2020 17:22	02/03/2020 19:54	LLJ
591-78-6	2-Hexanone	ND		mg/kg dry	0.22	0.45	100	EPA 8260C Certifications:	02/01/2020 17:22	02/03/2020 19:54	LLJ
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.22	0.45	100	EPA 8260C Certifications:	02/01/2020 17:22	02/03/2020 19:54	LLJ
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.22	0.45	100	EPA 8260C Certifications:	02/01/2020 17:22	02/03/2020 19:54	LLJ
67-64-1	Acetone	ND		mg/kg dry	0.45	0.89	100	EPA 8260C Certifications:	02/01/2020 17:22	02/03/2020 19:54	LLJ
107-02-8	Acrolein	ND		mg/kg dry	0.45	0.89	100	EPA 8260C Certifications:	02/01/2020 17:22	02/03/2020 19:54	LLJ
107-13-1	Acrylonitrile	ND		mg/kg dry	0.22	0.45	100	EPA 8260C Certifications:	02/01/2020 17:22	02/03/2020 19:54	LLJ
71-43-2	Benzene	ND		mg/kg dry	0.22	0.45	100	EPA 8260C Certifications:	02/01/2020 17:22	02/03/2020 19:54	LLJ
108-86-1	Bromobenzene	ND		mg/kg dry	0.22	0.45	100	EPA 8260C Certifications:	02/01/2020 17:22	02/03/2020 19:54	LLJ
74-97-5	Bromochloromethane	ND		mg/kg dry	0.22	0.45	100	EPA 8260C Certifications:	02/01/2020 17:22	02/03/2020 19:54	LLJ
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.22	0.45	100	EPA 8260C Certifications:	02/01/2020 17:22	02/03/2020 19:54	LLJ



Sample Information

Client Sample ID: GB-4 (8-12)

York Sample ID: 20A1033-06

York Project (SDG) No.

Client Project ID

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Collection Date/Time

Date Received

20A1033

130 Midland Avenue, Port Chester, New York

Soil

January 28, 2020 12:00 am

01/29/2020

Volatiles, 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
75-25-2	Bromoform	ND		mg/kg dry	0.22	0.45	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/03/2020 19:54	LLJ
74-83-9	Bromomethane	ND		mg/kg dry	0.22	0.45	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/03/2020 19:54	LLJ
75-15-0	Carbon disulfide	ND		mg/kg dry	0.22	0.45	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/03/2020 19:54	LLJ
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.22	0.45	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/03/2020 19:54	LLJ
108-90-7	Chlorobenzene	ND		mg/kg dry	0.22	0.45	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/03/2020 19:54	LLJ
75-00-3	Chloroethane	ND		mg/kg dry	0.22	0.45	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/03/2020 19:54	LLJ
67-66-3	Chloroform	ND		mg/kg dry	0.22	0.45	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/03/2020 19:54	LLJ
74-87-3	Chloromethane	ND		mg/kg dry	0.22	0.45	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/03/2020 19:54	LLJ
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.22	0.45	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/03/2020 19:54	LLJ
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.22	0.45	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/03/2020 19:54	LLJ
110-82-7	Cyclohexane	1.8		mg/kg dry	0.22	0.45	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/03/2020 19:54	LLJ
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.22	0.45	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/03/2020 19:54	LLJ
74-95-3	Dibromomethane	ND		mg/kg dry	0.22	0.45	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/03/2020 19:54	LLJ
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.22	0.45	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/03/2020 19:54	LLJ
108-20-3	* Diisopropyl ether (DIPE)	ND		mg/kg dry	0.36	0.71	100	EPA 8260C Certifications:	02/01/2020 17:22	02/03/2020 19:54	LLJ
64-17-5	* Ethanol	ND		mg/kg dry	3.6	7.1	100	EPA 8260C Certifications:	02/01/2020 17:22	02/03/2020 19:54	LLJ
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.22	0.45	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/03/2020 19:54	LLJ
637-92-3	* Ethyl tert-butyl ether (ETBE)	ND		mg/kg dry	0.36	0.71	100	EPA 8260C Certifications:	02/01/2020 17:22	02/03/2020 19:54	LLJ
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.22	0.45	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/03/2020 19:54	LLJ
74-88-4	* Iodomethane	ND		mg/kg dry	0.22	0.45	100	EPA 8260C Certifications:	02/01/2020 17:22	02/03/2020 19:54	LLJ
98-82-8	Isopropylbenzene	1.5		mg/kg dry	0.22	0.45	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/03/2020 19:54	LLJ
79-20-9	Methyl acetate	ND		mg/kg dry	0.22	0.45	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/03/2020 19:54	LLJ
80-62-6	Methyl Methacrylate	ND		mg/kg dry	0.22	0.45	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	02/01/2020 17:22	02/03/2020 19:54	LLJ



Sample Information

Client Sample ID: GB-4 (8-12)

York Sample ID: 20A1033-06

York Project (SDG) No.

Client Project ID

Matrix

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20A1033

130 Midland Avenue, Port Chester, New York

Soil

January 28, 2020 12:00 am

01/29/2020

Volatiles, 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
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.22	0.45	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/03/2020 19:54	LLJ
108-87-2	Methylcyclohexane	11		mg/kg dry	0.22	0.45	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/03/2020 19:54	LLJ
75-09-2	Methylene chloride	ND		mg/kg dry	0.45	0.89	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/03/2020 19:54	LLJ
91-20-3	Naphthalene	ND		mg/kg dry	0.22	0.89	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/03/2020 19:54	LLJ
104-51-8	n-Butylbenzene	2.2		mg/kg dry	0.22	0.45	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/03/2020 19:54	LLJ
103-65-1	n-Propylbenzene	2.6		mg/kg dry	0.22	0.45	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/03/2020 19:54	LLJ
95-47-6	o-Xylene	ND		mg/kg dry	0.22	0.45	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/03/2020 19:54	LLJ
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.45	0.89	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/03/2020 19:54	LLJ
105-05-5	* p-Diethylbenzene	1.9		mg/kg dry	0.22	0.45	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/03/2020 19:54	LLJ
622-96-8	* p-Ethyltoluene	ND		mg/kg dry	0.22	0.45	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/03/2020 19:54	LLJ
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.22	0.45	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/03/2020 19:54	LLJ
135-98-8	sec-Butylbenzene	2.0		mg/kg dry	0.22	0.45	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/03/2020 19:54	LLJ
100-42-5	Styrene	ND		mg/kg dry	0.22	0.45	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/03/2020 19:54	LLJ
75-85-4	* tert-Amyl alcohol (TAA)	ND		mg/kg dry	3.6	7.1	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/03/2020 19:54	LLJ
994-05-8	* tert-Amyl methyl ether (TAME)	ND		mg/kg dry	0.36	0.71	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/03/2020 19:54	LLJ
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.22	0.45	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/03/2020 19:54	LLJ
98-06-6	tert-Butylbenzene	0.25	QL-02, J	mg/kg dry	0.22	0.45	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/03/2020 19:54	LLJ
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.22	0.45	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/03/2020 19:54	LLJ
109-99-9	* Tetrahydrofuran	ND		mg/kg dry	0.45	0.89	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/03/2020 19:54	LLJ
108-88-3	Toluene	ND		mg/kg dry	0.22	0.45	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/03/2020 19:54	LLJ
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.22	0.45	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/03/2020 19:54	LLJ
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.22	0.45	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/03/2020 19:54	LLJ
110-57-6	* trans-1,4-dichloro-2-butene	ND		mg/kg dry	0.22	0.45	100	EPA 8260C Certifications: CTDOH	02/01/2020 17:22	02/03/2020 19:54	LLJ



Sample Information

Client Sample ID: GB-4 (8-12)

York Sample ID: 20A1033-06

York Project (SDG) No.

Client Project ID

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20A1033

130 Midland Avenue, Port Chester, New York

Soil

January 28, 2020 12:00 am

01/29/2020

Volatiles, 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
79-01-6	Trichloroethylene	ND		mg/kg dry	0.22	0.45	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/03/2020 19:54	LLJ
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.22	0.45	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/03/2020 19:54	LLJ
108-05-4	Vinyl acetate	ND		mg/kg dry	0.22	0.45	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/03/2020 19:54	LLJ
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.22	0.45	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/03/2020 19:54	LLJ
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.67	1.3	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	02/01/2020 17:22	02/03/2020 19:54	LLJ
107-05-1	* Allyl chloride	ND		mg/kg dry	0.22	0.45	100	EPA 8260C Certifications:	02/01/2020 17:22	02/03/2020 19:54	LLJ
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	102 %			77-125						
2037-26-5	Surrogate: SURR: Toluene-d8	96.3 %			85-120						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	94.7 %			76-130						

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

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	0.0490	0.0978	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 12:33	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0978	0.195	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 12:33	KH
120-82-1	1,2,4-Trichlorobenzene	ND	CCV-L	mg/kg dry	0.0490	0.0978	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 12:33	KH
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0490	0.0978	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	01/31/2020 13:44	02/03/2020 12:33	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0490	0.0978	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 12:33	KH
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0490	0.0978	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	01/31/2020 13:44	02/03/2020 12:33	KH
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0490	0.0978	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	01/31/2020 13:44	02/03/2020 12:33	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0978	0.195	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 12:33	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0490	0.0978	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 12:33	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0490	0.0978	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 12:33	KH
120-83-2	2,4-Dichlorophenol	ND	CCV-L	mg/kg dry	0.0490	0.0978	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 12:33	KH



Sample Information

Client Sample ID: GB-4 (8-12)

York Sample ID: 20A1033-06

York Project (SDG) No.

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20A1033

130 Midland Avenue, Port Chester, New York

Soil

January 28, 2020 12:00 am

01/29/2020

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0490	0.0978	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 12:33	KH
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0978	0.195	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 12:33	KH
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0490	0.0978	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 12:33	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0490	0.0978	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 12:33	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0490	0.0978	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 12:33	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0490	0.0978	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 12:33	KH
91-57-6	2-Methylnaphthalene	16.9		mg/kg dry	0.490	0.978	20	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/04/2020 02:20	KH
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0490	0.0978	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 12:33	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0978	0.195	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 12:33	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0490	0.0978	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 12:33	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0490	0.0978	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 12:33	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0490	0.0978	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 12:33	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0978	0.195	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 12:33	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND	CCV-L	mg/kg dry	0.0978	0.195	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 12:33	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0490	0.0978	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 12:33	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0490	0.0978	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 12:33	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0490	0.0978	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 12:33	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0490	0.0978	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 12:33	KH
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0978	0.195	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 12:33	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0978	0.195	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 12:33	KH
83-32-9	Acenaphthene	ND		mg/kg dry	0.0490	0.0978	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 12:33	KH
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0490	0.0978	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 12:33	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0490	0.0978	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 12:33	KH



Sample Information

Client Sample ID: GB-4 (8-12)

York Sample ID: 20A1033-06

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20A1033

130 Midland Avenue, Port Chester, New York

Soil

January 28, 2020 12:00 am

01/29/2020

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
62-53-3	Aniline	ND		mg/kg dry	0.196	0.392	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 12:33	KH
120-12-7	Anthracene	0.0852	J	mg/kg dry	0.0490	0.0978	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 12:33	KH
1912-24-9	Atrazine	ND	CCV-L	mg/kg dry	0.0490	0.0978	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 12:33	KH
100-52-7	Benzaldehyde	ND	CCV-L	mg/kg dry	0.0490	0.0978	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 12:33	KH
92-87-5	Benzidine	ND	CCV-L	mg/kg dry	0.196	0.392	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	01/31/2020 13:44	02/03/2020 12:33	KH
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0490	0.0978	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 12:33	KH
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0490	0.0978	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 12:33	KH
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0490	0.0978	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 12:33	KH
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0490	0.0978	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 12:33	KH
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0490	0.0978	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 12:33	KH
65-85-0	Benzoic acid	ND	CCV-L	mg/kg dry	0.0490	0.0978	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 12:33	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0490	0.0978	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 12:33	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0490	0.0978	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 12:33	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0490	0.0978	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 12:33	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0490	0.0978	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 12:33	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0490	0.0978	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 12:33	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0490	0.0978	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 12:33	KH
105-60-2	Caprolactam	ND		mg/kg dry	0.0978	0.195	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 12:33	KH
86-74-8	Carbazole	ND		mg/kg dry	0.0490	0.0978	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 12:33	KH
218-01-9	Chrysene	ND		mg/kg dry	0.0490	0.0978	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 12:33	KH
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0490	0.0978	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 12:33	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0490	0.0978	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 12:33	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0490	0.0978	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 12:33	KH



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130 Midland Avenue, Port Chester, New York

Soil

January 28, 2020 12:00 am

01/29/2020

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

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	0.0490	0.0978	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 12:33	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0490	0.0978	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 12:33	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0490	0.0978	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 12:33	KH
206-44-0	Fluoranthene	ND		mg/kg dry	0.0490	0.0978	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 12:33	KH
86-73-7	Fluorene	ND		mg/kg dry	0.0490	0.0978	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 12:33	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0490	0.0978	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 12:33	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0490	0.0978	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 12:33	KH
77-47-4	Hexachlorocyclopentadiene	ND	CCV-L	mg/kg dry	0.0490	0.0978	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 12:33	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0490	0.0978	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 12:33	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0490	0.0978	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 12:33	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0490	0.0978	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 12:33	KH
91-20-3	Naphthalene	0.121	CCV-L	mg/kg dry	0.0490	0.0978	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 12:33	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0490	0.0978	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 12:33	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0490	0.0978	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 12:33	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0490	0.0978	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 12:33	KH
86-30-6	N-Nitrosodiphenylamine	ND	CCV-L	mg/kg dry	0.0490	0.0978	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 12:33	KH
87-86-5	Pentachlorophenol	ND	CCV-L	mg/kg dry	0.0490	0.0978	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 12:33	KH
85-01-8	Phenanthrene	0.712	CCV-L	mg/kg dry	0.0490	0.0978	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 12:33	KH
108-95-2	Phenol	ND		mg/kg dry	0.0490	0.0978	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 12:33	KH
129-00-0	Pyrene	ND		mg/kg dry	0.0490	0.0978	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 12:33	KH
110-86-1	Pyridine	ND		mg/kg dry	0.196	0.392	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 12:33	KH
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: SURR: 2-Fluorophenol	69.3 %			20-108						
4165-62-2	Surrogate: SURR: Phenol-d5	66.9 %			23-114						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	273 %	S-08		22-108						



Sample Information

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130 Midland Avenue, Port Chester, New York

Soil

January 28, 2020 12:00 am

01/29/2020

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	78.2 %			21-113						
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	63.1 %			19-110						
1718-51-0	Surrogate: SURR: Terphenyl-d14	51.4 %			24-116						

Semi-Volatiles, 1,4-Dioxane by 8270-SIM

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
123-91-1	1,4-Dioxane	ND		ug/kg	9.43	1	EPA 8270D SIM Certifications: NELAC-NY10854	02/03/2020 08:00	02/06/2020 21:58	KH
	Surrogate Recoveries	Result			Acceptance Range					
17647-74-4	Surrogate: 1,4-Dioxane-d8	44.0 %			39-83.1					

Pesticides, 8081 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	0.00196	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 07:43	01/31/2020 13:57	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00196	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 07:43	01/31/2020 13:57	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00196	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 07:43	01/31/2020 13:57	CM
309-00-2	Aldrin	ND		mg/kg dry	0.00196	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 07:43	01/31/2020 13:57	CM
319-84-6	alpha-BHC	ND		mg/kg dry	0.00196	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 07:43	01/31/2020 13:57	CM
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00196	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	01/30/2020 07:43	01/31/2020 13:57	CM
319-85-7	beta-BHC	ND		mg/kg dry	0.00196	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 07:43	01/31/2020 13:57	CM
319-86-8	delta-BHC	ND		mg/kg dry	0.00196	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 07:43	01/31/2020 13:57	CM
60-57-1	Dieldrin	ND		mg/kg dry	0.00196	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 07:43	01/31/2020 13:57	CM
959-98-8	Endosulfan I	ND		mg/kg dry	0.00196	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 07:43	01/31/2020 13:57	CM
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00196	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	01/30/2020 07:43	01/31/2020 13:57	CM
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00196	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 07:43	01/31/2020 13:57	CM
72-20-8	Endrin	ND		mg/kg dry	0.00196	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 07:43	01/31/2020 13:57	CM



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01/29/2020

Pesticides, 8081 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
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00196	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 07:43	01/31/2020 13:57	CM
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00196	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 07:43	01/31/2020 13:57	CM
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00196	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 07:43	01/31/2020 13:57	CM
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00196	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	01/30/2020 07:43	01/31/2020 13:57	CM
76-44-8	Heptachlor	ND		mg/kg dry	0.00196	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 07:43	01/31/2020 13:57	CM
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00196	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 07:43	01/31/2020 13:57	CM
72-43-5	Methoxychlor	ND		mg/kg dry	0.00196	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 07:43	01/31/2020 13:57	CM
8001-35-2	Toxaphene	ND		mg/kg dry	0.196	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 07:43	01/31/2020 13:57	CM
57-74-9	* Chlordane, total	ND		mg/kg dry	0.0392	5	EPA 8081B Certifications:	01/30/2020 07:43	01/31/2020 13:57	CM
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	68.1 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	48.6 %	30-150							

Polychlorinated Biphenyls (PCB), 8082 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
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0198	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/30/2020 07:43	01/31/2020 16:24	SR
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0198	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/30/2020 07:43	01/31/2020 16:24	SR
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0198	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/30/2020 07:43	01/31/2020 16:24	SR
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0198	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/30/2020 07:43	01/31/2020 16:24	SR
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0198	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/30/2020 07:43	01/31/2020 16:24	SR
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0198	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/30/2020 07:43	01/31/2020 16:24	SR
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0198	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/30/2020 07:43	01/31/2020 16:24	SR
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0198	1	EPA 8082A Certifications:	01/30/2020 07:43	01/31/2020 16:24	SR
Surrogate Recoveries		Result	Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	54.0 %	30-120							
2051-24-3	Surrogate: Decachlorobiphenyl	66.0 %	30-120							



York Sample ID: **20A1033-06**

Date Received

01/29/2020

Sample Notes:

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	0.0237	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 07:49	01/31/2020 20:58	SR
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0237	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 07:49	01/31/2020 20:58	SR
94-75-7	2,4-D	ND		mg/kg dry	0.0237	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 07:49	01/31/2020 20:58	SR
	Surrogate Recoveries	Result		Acceptance Range						
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	65.0 %		21-150						

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	5760		mg/kg dry	5.96	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 16:04	JAM
7440-36-0	Antimony	ND		mg/kg dry	2.98	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 16:04	JAM
7440-38-2	Arsenic	ND		mg/kg dry	1.79	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 16:04	JAM
7440-39-3	Barium	50.7		mg/kg dry	2.98	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 16:04	JAM
7440-41-7	Beryllium	ND		mg/kg dry	0.060	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 16:04	JAM
7440-43-9	Cadmium	ND		mg/kg dry	0.358	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 16:04	JAM
7440-70-2	Calcium	2030		mg/kg dry	5.96	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 16:04	JAM
7440-47-3	Chromium	14.6		mg/kg dry	0.596	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 16:04	JAM
7440-48-4	Cobalt	8.05		mg/kg dry	0.477	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 16:04	JAM
7440-50-8	Copper	9.13		mg/kg dry	2.38	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 16:04	JAM
7439-89-6	Iron	12000		mg/kg dry	29.8	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 16:04	JAM
7439-92-1	Lead	3.36		mg/kg dry	0.596	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 16:04	JAM
7439-95-4	Magnesium	2490		mg/kg dry	5.96	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 16:04	JAM
7439-96-5	Manganese	147		mg/kg dry	0.596	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 16:04	JAM



Sample Information

Client Sample ID: GB-4 (8-12)

York Sample ID: 20A1033-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1033

130 Midland Avenue, Port Chester, New York

Soil

January 28, 2020 12:00 am

01/29/2020

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
7440-02-0	Nickel	22.9		mg/kg dry	1.19	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 16:04	JAM
7440-09-7	Potassium	1410		mg/kg dry	5.96	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 16:04	JAM
7782-49-2	Selenium	ND		mg/kg dry	2.98	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 16:04	JAM
7440-22-4	Silver	ND		mg/kg dry	0.596	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 16:04	JAM
7440-23-5	Sodium	110		mg/kg dry	59.6	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 16:04	JAM
7440-28-0	Thallium	ND		mg/kg dry	2.98	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 16:04	JAM
7440-62-2	Vanadium	18.9		mg/kg dry	1.19	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 16:04	JAM
7440-66-6	Zinc	31.4		mg/kg dry	2.98	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 16:04	JAM

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	0.0358	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	01/29/2020 18:19	01/29/2020 21:37	MAO

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	83.9		%	0.100	1	SM 2540G Certifications: CTDOH	01/30/2020 15:24	01/30/2020 22:34	MAO

Sample Information

Client Sample ID: GB-5 (0-4)

York Sample ID: 20A1033-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1033

130 Midland Avenue, Port Chester, New York

Soil

January 28, 2020 12:00 am

01/29/2020

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: GB-5 (0-4)

York Sample ID: 20A1033-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1033

130 Midland Avenue, Port Chester, New York

Soil

January 28, 2020 12:00 am

01/29/2020

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	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 08:23	LLJ
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 08:23	LLJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 08:23	LLJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	02/01/2020 06:22	02/02/2020 08:23	LLJ
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 08:23	LLJ
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 08:23	LLJ
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 08:23	LLJ
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 08:23	LLJ
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 08:23	LLJ
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	02/01/2020 06:22	02/02/2020 08:23	LLJ
95-93-2	* 1,2,4,5-Tetramethylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications:	02/01/2020 06:22	02/02/2020 08:23	LLJ
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 08:23	LLJ
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 08:23	LLJ
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 08:23	LLJ
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 08:23	LLJ
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 08:23	LLJ
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 08:23	LLJ
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 08:23	LLJ
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 08:23	LLJ
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 08:23	LLJ
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 08:23	LLJ
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 08:23	LLJ
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.047	0.094	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 08:23	LLJ
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	02/01/2020 06:22	02/02/2020 08:23	LLJ



Sample Information

Client Sample ID: GB-5 (0-4)

York Sample ID: 20A1033-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1033

130 Midland Avenue, Port Chester, New York

Soil

January 28, 2020 12:00 am

01/29/2020

Volatiles, 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
78-93-3	2-Butanone	0.0073		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 08:23	LLJ
110-75-8	2-Chloroethylvinyl ether	ND		mg/kg dry	0.0094	0.019	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 08:23	LLJ
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 08:23	LLJ
591-78-6	2-Hexanone	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 08:23	LLJ
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 08:23	LLJ
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 08:23	LLJ
67-64-1	Acetone	0.029		mg/kg dry	0.0047	0.0094	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 08:23	LLJ
107-02-8	Acrolein	ND		mg/kg dry	0.0047	0.0094	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 08:23	LLJ
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 08:23	LLJ
71-43-2	Benzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 08:23	LLJ
108-86-1	Bromobenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 08:23	LLJ
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 08:23	LLJ
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 08:23	LLJ
75-25-2	Bromoform	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 08:23	LLJ
74-83-9	Bromomethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 08:23	LLJ
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 08:23	LLJ
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 08:23	LLJ
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 08:23	LLJ
75-00-3	Chloroethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 08:23	LLJ
67-66-3	Chloroform	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 08:23	LLJ
74-87-3	Chloromethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 08:23	LLJ
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 08:23	LLJ
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 08:23	LLJ



Sample Information

Client Sample ID: GB-5 (0-4)

York Sample ID: 20A1033-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1033

130 Midland Avenue, Port Chester, New York

Soil

January 28, 2020 12:00 am

01/29/2020

Volatiles, 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
110-82-7	Cyclohexane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications:	02/01/2020 06:22 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2020 08:23	LLJ
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications:	02/01/2020 06:22 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2020 08:23	LLJ
74-95-3	Dibromomethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications:	02/01/2020 06:22 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2020 08:23	LLJ
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications:	02/01/2020 06:22 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2020 08:23	LLJ
108-20-3	* Diisopropyl ether (DIPE)	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260C Certifications:	02/01/2020 06:22	02/02/2020 08:23	LLJ
64-17-5	* Ethanol	ND		mg/kg dry	0.038	0.075	1	EPA 8260C Certifications:	02/01/2020 06:22	02/02/2020 08:23	LLJ
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications:	02/01/2020 06:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2020 08:23	LLJ
637-92-3	* Ethyl tert-butyl ether (ETBE)	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260C Certifications:	02/01/2020 06:22	02/02/2020 08:23	LLJ
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications:	02/01/2020 06:22 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2020 08:23	LLJ
74-88-4	* Iodomethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications:	02/01/2020 06:22	02/02/2020 08:23	LLJ
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications:	02/01/2020 06:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2020 08:23	LLJ
79-20-9	Methyl acetate	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications:	02/01/2020 06:22 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2020 08:23	LLJ
80-62-6	Methyl Methacrylate	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications:	02/01/2020 06:22 NELAC-NY10854,NELAC-NY12058,NJDEP	02/02/2020 08:23	LLJ
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications:	02/01/2020 06:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2020 08:23	LLJ
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications:	02/01/2020 06:22 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2020 08:23	LLJ
75-09-2	Methylene chloride	ND		mg/kg dry	0.0047	0.0094	1	EPA 8260C Certifications:	02/01/2020 06:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2020 08:23	LLJ
91-20-3	Naphthalene	ND		mg/kg dry	0.0023	0.0094	1	EPA 8260C Certifications:	02/01/2020 06:22 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2020 08:23	LLJ
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications:	02/01/2020 06:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2020 08:23	LLJ
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications:	02/01/2020 06:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2020 08:23	LLJ
95-47-6	o-Xylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications:	02/01/2020 06:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2020 08:23	LLJ
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0047	0.0094	1	EPA 8260C Certifications:	02/01/2020 06:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2020 08:23	LLJ
105-05-5	* p-Diethylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications:	02/01/2020 06:22	02/02/2020 08:23	LLJ
622-96-8	* p-Ethyltoluene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications:	02/01/2020 06:22	02/02/2020 08:23	LLJ



Sample Information

Client Sample ID: GB-5 (0-4)

York Sample ID: 20A1033-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1033

130 Midland Avenue, Port Chester, New York

Soil

January 28, 2020 12:00 am

01/29/2020

Volatiles, 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
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 08:23	LLJ
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 08:23	LLJ
100-42-5	Styrene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 08:23	LLJ
75-85-4	* tert-Amyl alcohol (TAA)	ND		mg/kg dry	0.038	0.075	1	EPA 8260C Certifications:	02/01/2020 06:22	02/02/2020 08:23	LLJ
994-05-8	* tert-Amyl methyl ether (TAME)	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260C Certifications:	02/01/2020 06:22	02/02/2020 08:23	LLJ
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 08:23	LLJ
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 08:23	LLJ
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 08:23	LLJ
109-99-9	* Tetrahydrofuran	ND		mg/kg dry	0.0047	0.0094	1	EPA 8260C Certifications:	02/01/2020 06:22	02/02/2020 08:23	LLJ
108-88-3	Toluene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 08:23	LLJ
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 08:23	LLJ
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 08:23	LLJ
110-57-6	* trans-1,4-dichloro-2-butene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH	02/01/2020 06:22	02/02/2020 08:23	LLJ
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 08:23	LLJ
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 08:23	LLJ
108-05-4	Vinyl acetate	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 08:23	LLJ
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 08:23	LLJ
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0070	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	02/01/2020 06:22	02/02/2020 08:23	LLJ
107-05-1	* Allyl chloride	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications:	02/01/2020 06:22	02/02/2020 08:23	LLJ
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURRE: 1,2-Dichloroethane-d4	102 %	77-125								
2037-26-5	Surrogate: SURRE: Toluene-d8	95.6 %	85-120								
460-00-4	Surrogate: SURRE: p-Bromofluorobenzene	101 %	76-130								

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

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(203) 325-1371

132-02 89th AVENUE
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Sample Information

Client Sample ID: GB-5 (0-4)

York Sample ID: 20A1033-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1033

130 Midland Avenue, Port Chester, New York

Soil

January 28, 2020 12:00 am

01/29/2020

Sample Prepared by Method: EPA 3550C

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	0.0470	0.0937	2	EPA 8270D Certifications:	01/31/2020 13:44	02/03/2020 13:03	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0937	0.187	2	EPA 8270D Certifications:	01/31/2020 13:44	02/03/2020 13:03	KH
120-82-1	1,2,4-Trichlorobenzene	ND	CCV-L	mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications:	01/31/2020 13:44	02/03/2020 13:03	KH
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications:	01/31/2020 13:44	02/03/2020 13:03	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications:	01/31/2020 13:44	02/03/2020 13:03	KH
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications:	01/31/2020 13:44	02/03/2020 13:03	KH
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications:	01/31/2020 13:44	02/03/2020 13:03	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0937	0.187	2	EPA 8270D Certifications:	01/31/2020 13:44	02/03/2020 13:03	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications:	01/31/2020 13:44	02/03/2020 13:03	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications:	01/31/2020 13:44	02/03/2020 13:03	KH
120-83-2	2,4-Dichlorophenol	ND	CCV-L	mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications:	01/31/2020 13:44	02/03/2020 13:03	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications:	01/31/2020 13:44	02/03/2020 13:03	KH
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0937	0.187	2	EPA 8270D Certifications:	01/31/2020 13:44	02/03/2020 13:03	KH
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications:	01/31/2020 13:44	02/03/2020 13:03	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications:	01/31/2020 13:44	02/03/2020 13:03	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications:	01/31/2020 13:44	02/03/2020 13:03	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications:	01/31/2020 13:44	02/03/2020 13:03	KH
91-57-6	2-Methylnaphthalene	ND	CCV-L	mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications:	01/31/2020 13:44	02/03/2020 13:03	KH
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications:	01/31/2020 13:44	02/03/2020 13:03	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0937	0.187	2	EPA 8270D Certifications:	01/31/2020 13:44	02/03/2020 13:03	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications:	01/31/2020 13:44	02/03/2020 13:03	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications:	01/31/2020 13:44	02/03/2020 13:03	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications:	01/31/2020 13:44	02/03/2020 13:03	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0937	0.187	2	EPA 8270D Certifications:	01/31/2020 13:44	02/03/2020 13:03	KH



Sample Information

Client Sample ID: GB-5 (0-4)

York Sample ID: 20A1033-07

York Project (SDG) No.

Client Project ID

Matrix

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20A1033

130 Midland Avenue, Port Chester, New York

Soil

January 28, 2020 12:00 am

01/29/2020

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
534-52-1	4,6-Dinitro-2-methylphenol	ND	CCV-L	mg/kg dry	0.0937	0.187	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 13:03	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 13:03	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 13:03	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 13:03	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 13:03	KH
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0937	0.187	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 13:03	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0937	0.187	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 13:03	KH
83-32-9	Acenaphthene	0.0704	J	mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 13:03	KH
208-96-8	Acenaphthylene	0.307		mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 13:03	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 13:03	KH
62-53-3	Aniline	ND		mg/kg dry	0.188	0.375	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 13:03	KH
120-12-7	Anthracene	0.488		mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 13:03	KH
1912-24-9	Atrazine	ND	CCV-L	mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 13:03	KH
100-52-7	Benzaldehyde	ND	CCV-L	mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 13:03	KH
92-87-5	Benzidine	ND	CCV-L	mg/kg dry	0.188	0.375	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 13:03	KH
56-55-3	Benzo(a)anthracene	1.28		mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 13:03	KH
50-32-8	Benzo(a)pyrene	1.24		mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 13:03	KH
205-99-2	Benzo(b)fluoranthene	1.04		mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 13:03	KH
191-24-2	Benzo(g,h,i)perylene	0.796		mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 13:03	KH
207-08-9	Benzo(k)fluoranthene	0.912		mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 13:03	KH
65-85-0	Benzoic acid	ND	CCV-L	mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 13:03	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 13:03	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 13:03	KH



Sample Information

Client Sample ID: GB-5 (0-4)

York Sample ID: 20A1033-07

York Project (SDG) No.

Client Project ID

Matrix

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20A1033

130 Midland Avenue, Port Chester, New York

Soil

January 28, 2020 12:00 am

01/29/2020

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 13:03	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 13:03	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 13:03	KH
117-81-7	Bis(2-ethylhexyl)phthalate	0.0959		mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 13:03	KH
105-60-2	Caprolactam	ND		mg/kg dry	0.0937	0.187	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 13:03	KH
86-74-8	Carbazole	0.0532	J	mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 13:03	KH
218-01-9	Chrysene	1.21		mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 13:03	KH
53-70-3	Dibenzo(a,h)anthracene	0.234		mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 13:03	KH
132-64-9	Dibenzofuran	0.0712	J	mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 13:03	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 13:03	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 13:03	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 13:03	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 13:03	KH
206-44-0	Fluoranthene	2.44		mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 13:03	KH
86-73-7	Fluorene	0.103		mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 13:03	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 13:03	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 13:03	KH
77-47-4	Hexachlorocyclopentadiene	ND	CCV-L	mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 13:03	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 13:03	KH
193-39-5	Indeno(1,2,3-cd)pyrene	0.691		mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 13:03	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 13:03	KH
91-20-3	Naphthalene	0.0472	CCV-L, J	mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 13:03	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 13:03	KH



Sample Information

Client Sample ID: GB-5 (0-4)

York Sample ID: 20A1033-07

York Project (SDG) No.

Client Project ID

Matrix

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20A1033

130 Midland Avenue, Port Chester, New York

Soil

January 28, 2020 12:00 am

01/29/2020

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 13:03	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 13:03	KH
86-30-6	N-Nitrosodiphenylamine	ND	CCV-L	mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 13:03	KH
87-86-5	Pentachlorophenol	ND	CCV-L	mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 13:03	KH
85-01-8	Phenanthrene	1.01	CCV-L	mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 13:03	KH
108-95-2	Phenol	ND		mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 13:03	KH
129-00-0	Pyrene	2.83		mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 13:03	KH
110-86-1	Pyridine	ND		mg/kg dry	0.188	0.375	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 13:03	KH
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: SURR: 2-Fluorophenol	70.9 %	20-108								
4165-62-2	Surrogate: SURR: Phenol-d5	73.5 %	23-114								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	80.4 %	22-108								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	68.6 %	21-113								
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	58.0 %	19-110								
1718-51-0	Surrogate: SURR: Terphenyl-d14	74.0 %	24-116								

Semi-Volatiles, 1,4-Dioxane by 8270-SIM

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
123-91-1	1,4-Dioxane	ND		ug/kg	9.62	1	EPA 8270D SIM Certifications: NELAC-NY10854	02/03/2020 08:00	02/06/2020 22:33	KH
Surrogate Recoveries		Result	Acceptance Range							
17647-74-4	Surrogate: 1,4-Dioxane-d8	48.0 %	39-83.1							

Pesticides, 8081 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	0.00186	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 07:47	02/03/2020 19:16	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00186	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 07:47	02/03/2020 19:16	CM



Sample Information

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130 Midland Avenue, Port Chester, New York

Soil

January 28, 2020 12:00 am

01/29/2020

Pesticides, 8081 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
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00186	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 07:47	02/03/2020 19:16	CM
309-00-2	Aldrin	ND		mg/kg dry	0.00186	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 07:47	02/03/2020 19:16	CM
319-84-6	alpha-BHC	ND		mg/kg dry	0.00186	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 07:47	02/03/2020 19:16	CM
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00186	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	01/31/2020 07:47	02/03/2020 19:16	CM
319-85-7	beta-BHC	ND		mg/kg dry	0.00186	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 07:47	02/03/2020 19:16	CM
319-86-8	delta-BHC	ND		mg/kg dry	0.00186	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 07:47	02/03/2020 19:16	CM
60-57-1	Dieldrin	ND		mg/kg dry	0.00186	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 07:47	02/03/2020 19:16	CM
959-98-8	Endosulfan I	ND		mg/kg dry	0.00186	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 07:47	02/03/2020 19:16	CM
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00186	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	01/31/2020 07:47	02/03/2020 19:16	CM
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00186	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 07:47	02/03/2020 19:16	CM
72-20-8	Endrin	ND		mg/kg dry	0.00186	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 07:47	02/03/2020 19:16	CM
7421-93-4	Endrin aldehyde	0.00813		mg/kg dry	0.00186	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 07:47	02/03/2020 19:16	CM
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00186	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 07:47	02/03/2020 19:16	CM
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00186	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 07:47	02/03/2020 19:16	CM
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00186	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	01/31/2020 07:47	02/03/2020 19:16	CM
76-44-8	Heptachlor	ND		mg/kg dry	0.00186	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 07:47	02/03/2020 19:16	CM
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00186	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 07:47	02/03/2020 19:16	CM
72-43-5	Methoxychlor	ND		mg/kg dry	0.00186	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 07:47	02/03/2020 19:16	CM
8001-35-2	Toxaphene	ND		mg/kg dry	0.186	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 07:47	02/03/2020 19:16	CM
57-74-9	* Chlordane, total	ND		mg/kg dry	0.0372	5	EPA 8081B Certifications:	01/31/2020 07:47	02/03/2020 19:16	CM
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	64.0 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	39.8 %	30-150							

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

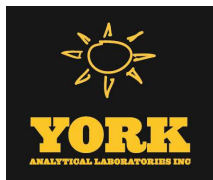
Sample Notes:

120 RESEARCH DRIVE
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STRATFORD, CT 06615
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132-02 89th AVENUE
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Sample Information

Client Sample ID: GB-5 (0-4)

York Sample ID: 20A1033-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1033

130 Midland Avenue, Port Chester, New York

Soil

January 28, 2020 12:00 am

01/29/2020

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	01/31/2020 07:47	01/31/2020 22:58	SR
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0188	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/31/2020 07:47	01/31/2020 22:58	SR
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0188	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/31/2020 07:47	01/31/2020 22:58	SR
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0188	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/31/2020 07:47	01/31/2020 22:58	SR
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0188	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/31/2020 07:47	01/31/2020 22:58	SR
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0188	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/31/2020 07:47	01/31/2020 22:58	SR
11096-82-5	Aroclor 1260	0.184		mg/kg dry	0.0188	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/31/2020 07:47	01/31/2020 22:58	SR
1336-36-3	* Total PCBs	0.184		mg/kg dry	0.0188	1	EPA 8082A Certifications:	01/31/2020 07:47	01/31/2020 22:58	SR
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	62.0 %								
2051-24-3	Surrogate: Decachlorobiphenyl	62.0 %								

Herbicides, 8151 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	01/31/2020 07:49	01/31/2020 21:19	SR
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0223	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 07:49	01/31/2020 21:19	SR
94-75-7	2,4-D	ND		mg/kg dry	0.0223	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 07:49	01/31/2020 21:19	SR
Surrogate Recoveries		Result		Acceptance Range						
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	49.0 %								

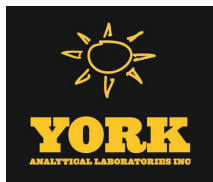
Metals, Target Analyte

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	12300		mg/kg dry	5.67	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 16:07	JAM
7440-36-0	Antimony	ND		mg/kg dry	2.84	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 16:07	JAM
7440-38-2	Arsenic	5.37		mg/kg dry	1.70	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 16:07	JAM



Sample Information

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130 Midland Avenue, Port Chester, New York

Soil

January 28, 2020 12:00 am

01/29/2020

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	140		mg/kg dry	2.84	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 16:07	JAM
7440-41-7	Beryllium	ND		mg/kg dry	0.057	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 16:07	JAM
7440-43-9	Cadmium	0.533		mg/kg dry	0.340	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 16:07	JAM
7440-70-2	Calcium	12200		mg/kg dry	5.67	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 16:07	JAM
7440-47-3	Chromium	33.3		mg/kg dry	0.567	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 16:07	JAM
7440-48-4	Cobalt	12.5		mg/kg dry	0.454	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 16:07	JAM
7440-50-8	Copper	55.4		mg/kg dry	2.27	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 16:07	JAM
7439-89-6	Iron	28200		mg/kg dry	28.4	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 16:07	JAM
7439-92-1	Lead	74.9		mg/kg dry	0.567	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 16:07	JAM
7439-95-4	Magnesium	8050		mg/kg dry	5.67	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 16:07	JAM
7439-96-5	Manganese	258		mg/kg dry	0.567	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 16:07	JAM
7440-02-0	Nickel	42.7		mg/kg dry	1.13	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 16:07	JAM
7440-09-7	Potassium	2890		mg/kg dry	5.67	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 16:07	JAM
7782-49-2	Selenium	ND		mg/kg dry	2.84	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 16:07	JAM
7440-22-4	Silver	ND		mg/kg dry	0.567	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 16:07	JAM
7440-23-5	Sodium	611		mg/kg dry	56.7	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 16:07	JAM
7440-28-0	Thallium	ND		mg/kg dry	2.84	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 16:07	JAM
7440-62-2	Vanadium	38.1		mg/kg dry	1.13	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 16:07	JAM
7440-66-6	Zinc	122		mg/kg dry	2.84	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 16:07	JAM

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



Sample Information

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130 Midland Avenue, Port Chester, New York

Soil

January 28, 2020 12:00 am

01/29/2020

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	0.159		mg/kg dry	0.0340	1	EPA 7473	01/29/2020 18:19	01/29/2020 21:46	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	88.1		%	0.100	1	SM 2540G	01/30/2020 15:24	01/30/2020 22:34	MAO
							Certifications:	CTDOH		

Sample Information

Client Sample ID: GB-6 (4-8)

York Sample ID: 20A1033-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1033

130 Midland Avenue, Port Chester, New York

Soil

January 28, 2020 12:00 am

01/29/2020

Volatiles, 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	0.0023	0.0046	1	EPA 8260C	02/01/2020 06:22	02/02/2020 08:49	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/01/2020 06:22	02/02/2020 08:49	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/01/2020 06:22	02/02/2020 08:49	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/01/2020 06:22	02/02/2020 08:49	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/01/2020 06:22	02/02/2020 08:49	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/01/2020 06:22	02/02/2020 08:49	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/01/2020 06:22	02/02/2020 08:49	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/01/2020 06:22	02/02/2020 08:49	LLJ
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/01/2020 06:22	02/02/2020 08:49	LLJ
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/01/2020 06:22	02/02/2020 08:49	LLJ
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		



Sample Information

Client Sample ID: GB-6 (4-8)

York Sample ID: 20A1033-08

York Project (SDG) No.

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20A1033

130 Midland Avenue, Port Chester, New York

Soil

January 28, 2020 12:00 am

01/29/2020

Volatiles, 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
95-93-2	* 1,2,4,5-Tetramethylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	02/01/2020 06:22	02/02/2020 08:49	LLJ
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 08:49	LLJ
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 08:49	LLJ
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 08:49	LLJ
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 08:49	LLJ
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 08:49	LLJ
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 08:49	LLJ
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 08:49	LLJ
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 08:49	LLJ
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 08:49	LLJ
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 08:49	LLJ
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 08:49	LLJ
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.046	0.091	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 08:49	LLJ
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	02/01/2020 06:22	02/02/2020 08:49	LLJ
78-93-3	2-Butanone	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 08:49	LLJ
110-75-8	2-Chloroethylvinyl ether	ND		mg/kg dry	0.0091	0.018	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 08:49	LLJ
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 08:49	LLJ
591-78-6	2-Hexanone	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 08:49	LLJ
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 08:49	LLJ
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 08:49	LLJ
67-64-1	Acetone	ND		mg/kg dry	0.0046	0.0091	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 08:49	LLJ
107-02-8	Acrolein	ND		mg/kg dry	0.0046	0.0091	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 08:49	LLJ
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 08:49	LLJ



Sample Information

Client Sample ID: GB-6 (4-8)

York Sample ID: 20A1033-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1033

130 Midland Avenue, Port Chester, New York

Soil

January 28, 2020 12:00 am

01/29/2020

Volatiles, 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
71-43-2	Benzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	02/01/2020 06:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2020 08:49	LLJ
108-86-1	Bromobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	02/01/2020 06:22 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2020 08:49	LLJ
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	02/01/2020 06:22 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2020 08:49	LLJ
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	02/01/2020 06:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2020 08:49	LLJ
75-25-2	Bromoform	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	02/01/2020 06:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2020 08:49	LLJ
74-83-9	Bromomethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	02/01/2020 06:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2020 08:49	LLJ
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	02/01/2020 06:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2020 08:49	LLJ
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	02/01/2020 06:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2020 08:49	LLJ
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	02/01/2020 06:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2020 08:49	LLJ
75-00-3	Chloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	02/01/2020 06:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2020 08:49	LLJ
67-66-3	Chloroform	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	02/01/2020 06:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2020 08:49	LLJ
74-87-3	Chloromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	02/01/2020 06:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2020 08:49	LLJ
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	02/01/2020 06:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2020 08:49	LLJ
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	02/01/2020 06:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2020 08:49	LLJ
110-82-7	Cyclohexane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	02/01/2020 06:22 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2020 08:49	LLJ
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	02/01/2020 06:22 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2020 08:49	LLJ
74-95-3	Dibromomethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	02/01/2020 06:22 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2020 08:49	LLJ
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	02/01/2020 06:22 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2020 08:49	LLJ
108-20-3	* Diisopropyl ether (DIPE)	ND		mg/kg dry	0.0036	0.0073	1	EPA 8260C Certifications:	02/01/2020 06:22 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2020 08:49	LLJ
64-17-5	* Ethanol	ND		mg/kg dry	0.036	0.073	1	EPA 8260C Certifications:	02/01/2020 06:22 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2020 08:49	LLJ
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	02/01/2020 06:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2020 08:49	LLJ
637-92-3	* Ethyl tert-butyl ether (ETBE)	ND		mg/kg dry	0.0036	0.0073	1	EPA 8260C Certifications:	02/01/2020 06:22 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2020 08:49	LLJ
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	02/01/2020 06:22 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2020 08:49	LLJ



Sample Information

Client Sample ID: GB-6 (4-8)

York Sample ID: 20A1033-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1033

130 Midland Avenue, Port Chester, New York

Soil

January 28, 2020 12:00 am

01/29/2020

Volatiles, 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
74-88-4	* Iodomethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	02/01/2020 06:22	02/02/2020 08:49	LLJ
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	02/01/2020 06:22	02/02/2020 08:49	LLJ
79-20-9	Methyl acetate	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	02/01/2020 06:22	02/02/2020 08:49	LLJ
80-62-6	Methyl Methacrylate	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	02/01/2020 06:22	02/02/2020 08:49	LLJ
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	02/01/2020 06:22	02/02/2020 08:49	LLJ
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	02/01/2020 06:22	02/02/2020 08:49	LLJ
75-09-2	Methylene chloride	ND		mg/kg dry	0.0046	0.0091	1	EPA 8260C Certifications:	02/01/2020 06:22	02/02/2020 08:49	LLJ
91-20-3	Naphthalene	ND		mg/kg dry	0.0023	0.0091	1	EPA 8260C Certifications:	02/01/2020 06:22	02/02/2020 08:49	LLJ
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	02/01/2020 06:22	02/02/2020 08:49	LLJ
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	02/01/2020 06:22	02/02/2020 08:49	LLJ
95-47-6	o-Xylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	02/01/2020 06:22	02/02/2020 08:49	LLJ
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0046	0.0091	1	EPA 8260C Certifications:	02/01/2020 06:22	02/02/2020 08:49	LLJ
105-05-5	* p-Diethylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	02/01/2020 06:22	02/02/2020 08:49	LLJ
622-96-8	* p-Ethyltoluene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	02/01/2020 06:22	02/02/2020 08:49	LLJ
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	02/01/2020 06:22	02/02/2020 08:49	LLJ
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	02/01/2020 06:22	02/02/2020 08:49	LLJ
100-42-5	Styrene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	02/01/2020 06:22	02/02/2020 08:49	LLJ
75-85-4	* tert-Amyl alcohol (TAA)	ND		mg/kg dry	0.036	0.073	1	EPA 8260C Certifications:	02/01/2020 06:22	02/02/2020 08:49	LLJ
994-05-8	* tert-Amyl methyl ether (TAME)	ND		mg/kg dry	0.0036	0.0073	1	EPA 8260C Certifications:	02/01/2020 06:22	02/02/2020 08:49	LLJ
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	02/01/2020 06:22	02/02/2020 08:49	LLJ
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	02/01/2020 06:22	02/02/2020 08:49	LLJ
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	02/01/2020 06:22	02/02/2020 08:49	LLJ
109-99-9	* Tetrahydrofuran	ND		mg/kg dry	0.0046	0.0091	1	EPA 8260C Certifications:	02/01/2020 06:22	02/02/2020 08:49	LLJ



Sample Information

Client Sample ID: GB-6 (4-8)

York Sample ID: 20A1033-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

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20A1033

130 Midland Avenue, Port Chester, New York

Soil

January 28, 2020 12:00 am

01/29/2020

Volatiles, 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
108-88-3	Toluene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 08:49	LLJ
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 08:49	LLJ
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 08:49	LLJ
110-57-6	* trans-1,4-dichloro-2-butene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH	02/01/2020 06:22	02/02/2020 08:49	LLJ
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 08:49	LLJ
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 08:49	LLJ
108-05-4	Vinyl acetate	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 08:49	LLJ
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:22	02/02/2020 08:49	LLJ
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0068	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	02/01/2020 06:22	02/02/2020 08:49	LLJ
107-05-1	* Allyl chloride	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	02/01/2020 06:22	02/02/2020 08:49	LLJ
Surrogate Recoveries		Result		Acceptance Range							
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	105 %				77-125					
2037-26-5	Surrogate: SURR: Toluene-d8	93.2 %				85-120					
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	95.6 %				76-130					

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

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	0.0486	0.0969	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 13:32	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0969	0.194	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 13:32	KH
120-82-1	1,2,4-Trichlorobenzene	ND	CCV-L	mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 13:32	KH
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	01/31/2020 13:44	02/03/2020 13:32	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 13:32	KH
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	01/31/2020 13:44	02/03/2020 13:32	KH
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	01/31/2020 13:44	02/03/2020 13:32	KH



Sample Information

Client Sample ID: GB-6 (4-8)

York Sample ID: 20A1033-08

York Project (SDG) No.

Client Project ID

Matrix

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20A1033

130 Midland Avenue, Port Chester, New York

Soil

January 28, 2020 12:00 am

01/29/2020

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0969	0.194	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 13:32	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 13:32	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 13:32	KH
120-83-2	2,4-Dichlorophenol	ND	CCV-L	mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 13:32	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 13:32	KH
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0969	0.194	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 13:32	KH
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 13:32	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 13:32	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 13:32	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 13:32	KH
91-57-6	2-Methylnaphthalene	ND	CCV-L	mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 13:32	KH
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 13:32	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0969	0.194	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 13:32	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 13:32	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 13:32	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 13:32	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0969	0.194	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 13:32	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND	CCV-L	mg/kg dry	0.0969	0.194	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 13:32	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 13:32	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 13:32	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 13:32	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 13:32	KH
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0969	0.194	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 13:32	KH



Sample Information

Client Sample ID: GB-6 (4-8)

York Sample ID: 20A1033-08

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130 Midland Avenue, Port Chester, New York

Soil

January 28, 2020 12:00 am

01/29/2020

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0969	0.194	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 13:32	KH
83-32-9	Acenaphthene	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 13:32	KH
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 13:32	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 13:32	KH
62-53-3	Aniline	ND		mg/kg dry	0.194	0.388	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 13:32	KH
120-12-7	Anthracene	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 13:32	KH
1912-24-9	Atrazine	ND	CCV-L	mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 13:32	KH
100-52-7	Benzaldehyde	ND	CCV-L	mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 13:32	KH
92-87-5	Benzidine	ND	CCV-L	mg/kg dry	0.194	0.388	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	01/31/2020 13:44	02/03/2020 13:32	KH
56-55-3	Benzo(a)anthracene	0.0496	J	mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 13:32	KH
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 13:32	KH
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 13:32	KH
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 13:32	KH
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 13:32	KH
65-85-0	Benzoic acid	ND	CCV-L	mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 13:32	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 13:32	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 13:32	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 13:32	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 13:32	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 13:32	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 13:32	KH
105-60-2	Caprolactam	ND		mg/kg dry	0.0969	0.194	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 13:32	KH
86-74-8	Carbazole	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 13:32	KH



Sample Information

Client Sample ID: GB-6 (4-8)

York Sample ID: 20A1033-08

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130 Midland Avenue, Port Chester, New York

Soil

January 28, 2020 12:00 am

01/29/2020

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
218-01-9	Chrysene	0.0511	J	mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 13:32	KH
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 13:32	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 13:32	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 13:32	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 13:32	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 13:32	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 13:32	KH
206-44-0	Fluoranthene	0.0937	J	mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 13:32	KH
86-73-7	Fluorene	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 13:32	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 13:32	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 13:32	KH
77-47-4	Hexachlorocyclopentadiene	ND	CCV-L	mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 13:32	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 13:32	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 13:32	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 13:32	KH
91-20-3	Naphthalene	ND	CCV-L	mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 13:32	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 13:32	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 13:32	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 13:32	KH
86-30-6	N-Nitrosodiphenylamine	ND	CCV-L	mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 13:32	KH
87-86-5	Pentachlorophenol	ND	CCV-L	mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 13:32	KH
85-01-8	Phenanthrene	0.0674	CCV-L, J	mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 13:32	KH
108-95-2	Phenol	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 13:32	KH



Sample Information

Client Sample ID: GB-6 (4-8)

York Sample ID: 20A1033-08

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130 Midland Avenue, Port Chester, New York

Soil

January 28, 2020 12:00 am

01/29/2020

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
129-00-0	Pyrene	0.0922	J	mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 13:32	KH
110-86-1	Pyridine	ND		mg/kg dry	0.194	0.388	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 13:44	02/03/2020 13:32	KH
Surrogate Recoveries		Result			Acceptance Range						
367-12-4	Surrogate: SURR: 2-Fluorophenol	68.1 %			20-108						
4165-62-2	Surrogate: SURR: Phenol-d5	70.4 %			23-114						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	72.2 %			22-108						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	67.6 %			21-113						
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	58.4 %			19-110						
1718-51-0	Surrogate: SURR: Terphenyl-d14	80.4 %			24-116						

Semi-Volatiles, 1,4-Dioxane by 8270-SIM

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
123-91-1	1,4-Dioxane	ND		ug/kg	9.52	1	EPA 8270D SIM Certifications: NELAC-NY10854	02/03/2020 08:00	02/06/2020 22:50	KH
Surrogate Recoveries		Result			Acceptance Range					
17647-74-4	Surrogate: 1,4-Dioxane-d8	44.0 %			39-83.1					

Pesticides, 8081 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	0.00191	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 07:47	02/03/2020 13:40	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00191	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 07:47	02/03/2020 13:40	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00191	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 07:47	02/03/2020 13:40	CM
309-00-2	Aldrin	ND		mg/kg dry	0.00191	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 07:47	02/03/2020 13:40	CM
319-84-6	alpha-BHC	ND		mg/kg dry	0.00191	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 07:47	02/03/2020 13:40	CM
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00191	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	01/31/2020 07:47	02/03/2020 13:40	CM
319-85-7	beta-BHC	ND		mg/kg dry	0.00191	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 07:47	02/03/2020 13:40	CM
319-86-8	delta-BHC	ND		mg/kg dry	0.00191	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 07:47	02/03/2020 13:40	CM



Sample Information

Client Sample ID: GB-6 (4-8)

York Sample ID: 20A1033-08

York Project (SDG) No.

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Matrix

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20A1033

130 Midland Avenue, Port Chester, New York

Soil

January 28, 2020 12:00 am

01/29/2020

Pesticides, 8081 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
60-57-1	Dieldrin	ND		mg/kg dry	0.00191	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 07:47	02/03/2020 13:40	CM
959-98-8	Endosulfan I	ND		mg/kg dry	0.00191	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 07:47	02/03/2020 13:40	CM
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00191	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	01/31/2020 07:47	02/03/2020 13:40	CM
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00191	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 07:47	02/03/2020 13:40	CM
72-20-8	Endrin	ND		mg/kg dry	0.00191	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 07:47	02/03/2020 13:40	CM
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00191	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 07:47	02/03/2020 13:40	CM
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00191	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 07:47	02/03/2020 13:40	CM
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00191	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 07:47	02/03/2020 13:40	CM
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00191	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	01/31/2020 07:47	02/03/2020 13:40	CM
76-44-8	Heptachlor	ND		mg/kg dry	0.00191	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 07:47	02/03/2020 13:40	CM
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00191	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 07:47	02/03/2020 13:40	CM
72-43-5	Methoxychlor	ND		mg/kg dry	0.00191	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 07:47	02/03/2020 13:40	CM
8001-35-2	Toxaphene	ND		mg/kg dry	0.191	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 07:47	02/03/2020 13:40	CM
57-74-9	* Chlordane, total	ND		mg/kg dry	0.0382	5	EPA 8081B Certifications:	01/31/2020 07:47	02/03/2020 13:40	CM
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	51.4 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	58.1 %	30-150							

Polychlorinated Biphenyls (PCB), 8082 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
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0193	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/31/2020 07:47	01/31/2020 23:12	SR
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0193	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/31/2020 07:47	01/31/2020 23:12	SR
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0193	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/31/2020 07:47	01/31/2020 23:12	SR
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0193	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/31/2020 07:47	01/31/2020 23:12	SR



Sample Information

Client Sample ID: GB-6 (4-8)

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York Project (SDG) No.

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130 Midland Avenue, Port Chester, New York

Soil

January 28, 2020 12:00 am

01/29/2020

Polychlorinated Biphenyls (PCB), 8082 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
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0193	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/31/2020 07:47	01/31/2020 23:12	SR
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0193	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/31/2020 07:47	01/31/2020 23:12	SR
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0193	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/31/2020 07:47	01/31/2020 23:12	SR
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0193	1	EPA 8082A Certifications:	01/31/2020 07:47	01/31/2020 23:12	SR
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	54.0 %		30-120						
2051-24-3	Surrogate: Decachlorobiphenyl	49.5 %		30-120						

Herbicides, 8151 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	0.0232	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 07:49	01/31/2020 21:30	SR
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0232	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 07:49	01/31/2020 21:30	SR
94-75-7	2,4-D	ND		mg/kg dry	0.0232	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 07:49	01/31/2020 21:30	SR
Surrogate Recoveries		Result		Acceptance Range						
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	70.6 %		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	5930		mg/kg dry	5.83	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 16:09	JAM
7440-36-0	Antimony	ND		mg/kg dry	2.91	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 16:09	JAM
7440-38-2	Arsenic	2.84		mg/kg dry	1.75	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 16:09	JAM
7440-39-3	Barium	32.6		mg/kg dry	2.91	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 16:09	JAM
7440-41-7	Beryllium	ND		mg/kg dry	0.058	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 16:09	JAM
7440-43-9	Cadmium	ND		mg/kg dry	0.350	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 16:09	JAM



Sample Information

Client Sample ID: GB-6 (4-8)

York Sample ID: 20A1033-08

York Project (SDG) No.

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Matrix

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20A1033

130 Midland Avenue, Port Chester, New York

Soil

January 28, 2020 12:00 am

01/29/2020

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
7440-70-2	Calcium	3050		mg/kg dry	5.83	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 16:09	JAM
7440-47-3	Chromium	13.9		mg/kg dry	0.583	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 16:09	JAM
7440-48-4	Cobalt	7.34		mg/kg dry	0.466	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 16:09	JAM
7440-50-8	Copper	17.0		mg/kg dry	2.33	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 16:09	JAM
7439-89-6	Iron	11400		mg/kg dry	29.1	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 16:09	JAM
7439-92-1	Lead	3.11		mg/kg dry	0.583	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 16:09	JAM
7439-95-4	Magnesium	2430		mg/kg dry	5.83	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 16:09	JAM
7439-96-5	Manganese	125		mg/kg dry	0.583	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 16:09	JAM
7440-02-0	Nickel	13.4		mg/kg dry	1.17	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 16:09	JAM
7440-09-7	Potassium	1710		mg/kg dry	5.83	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 16:09	JAM
7782-49-2	Selenium	ND		mg/kg dry	2.91	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 16:09	JAM
7440-22-4	Silver	ND		mg/kg dry	0.583	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 16:09	JAM
7440-23-5	Sodium	168		mg/kg dry	58.3	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 16:09	JAM
7440-28-0	Thallium	ND		mg/kg dry	2.91	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 16:09	JAM
7440-62-2	Vanadium	18.2		mg/kg dry	1.17	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 16:09	JAM
7440-66-6	Zinc	17.0		mg/kg dry	2.91	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2020 10:31	01/31/2020 16:09	JAM

Mercury by 7473

Log-in Notes:

Sample Notes:

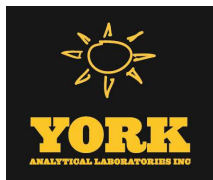
Sample Prepared by Method: EPA 7473 soil

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	0.0350	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	01/29/2020 18:19	01/29/2020 21:54	MAO

Total Solids

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: GB-6 (4-8)

York Sample ID: 20A1033-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1033

130 Midland Avenue, Port Chester, New York

Soil

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01/29/2020

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	85.8		%	0.100	1	SM 2540G Certifications: CTDOH	01/30/2020 15:24	01/30/2020 22:34	MAO

Sample Information

Client Sample ID: Trip Blank

York Sample ID: 20A1033-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1033

130 Midland Avenue, Port Chester, New York

Water

January 28, 2020 12:00 am

01/29/2020

Volatiles, 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	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:35	01/31/2020 12:34	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	01/31/2020 06:35	01/31/2020 12:34	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	01/31/2020 06:35	01/31/2020 12:34	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	01/31/2020 06:35	01/31/2020 12:34	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	01/31/2020 06:35	01/31/2020 12:34	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	01/31/2020 06:35	01/31/2020 12:34	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	01/31/2020 06:35	01/31/2020 12:34	LLJ
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	01/31/2020 06:35	01/31/2020 12:34	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	01/31/2020 06:35	01/31/2020 12:34	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	01/31/2020 06:35	01/31/2020 12:34	LLJ
95-93-2	* 1,2,4,5-Tetramethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	01/31/2020 06:35	01/31/2020 12:34	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	01/31/2020 06:35	01/31/2020 12:34	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	01/31/2020 06:35	01/31/2020 12:34	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	01/31/2020 06:35	01/31/2020 12:34	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	01/31/2020 06:35	01/31/2020 12:34	LLJ



Sample Information

Client Sample ID: Trip Blank

York Sample ID: 20A1033-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1033

130 Midland Avenue, Port Chester, New York

Water

January 28, 2020 12:00 am

01/29/2020

Volatiles, 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
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:35	01/31/2020 12:34	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	01/31/2020 06:35	01/31/2020 12:34	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	01/31/2020 06:35	01/31/2020 12:34	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	01/31/2020 06:35	01/31/2020 12:34	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	01/31/2020 06:35	01/31/2020 12:34	LLJ
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:35	01/31/2020 12:34	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	01/31/2020 06:35	01/31/2020 12:34	LLJ
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:35	01/31/2020 12:34	LLJ
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:35	01/31/2020 12:34	LLJ
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:35	01/31/2020 12:34	LLJ
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:35	01/31/2020 12:34	LLJ
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:35	01/31/2020 12:34	LLJ
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:35	01/31/2020 12:34	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	01/31/2020 06:35	01/31/2020 12:34	LLJ
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:35	01/31/2020 12:34	LLJ
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:35	01/31/2020 12:34	LLJ
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:35	01/31/2020 12:34	LLJ
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:35	01/31/2020 12:34	LLJ
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:35	01/31/2020 12:34	LLJ
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:35	01/31/2020 12:34	LLJ
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:35	01/31/2020 12:34	LLJ
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:35	01/31/2020 12:34	LLJ
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:35	01/31/2020 12:34	LLJ



Sample Information

Client Sample ID: Trip Blank

York Sample ID: 20A1033-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1033

130 Midland Avenue, Port Chester, New York

Water

January 28, 2020 12:00 am

01/29/2020

Volatiles, 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
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:35	01/31/2020 12:34	LLJ
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:35	01/31/2020 12:34	LLJ
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:35	01/31/2020 12:34	LLJ
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:35	01/31/2020 12:34	LLJ
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:35	01/31/2020 12:34	LLJ
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:35	01/31/2020 12:34	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	01/31/2020 06:35	01/31/2020 12:34	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	01/31/2020 06:35	01/31/2020 12:34	LLJ
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:35	01/31/2020 12:34	LLJ
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:35	01/31/2020 12:34	LLJ
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:35	01/31/2020 12:34	LLJ
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:35	01/31/2020 12:34	LLJ
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:35	01/31/2020 12:34	LLJ
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:35	01/31/2020 12:34	LLJ
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:35	01/31/2020 12:34	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	01/31/2020 06:35	01/31/2020 12:34	LLJ
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:35	01/31/2020 12:34	LLJ
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:35	01/31/2020 12:34	LLJ
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:35	01/31/2020 12:34	LLJ
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:35	01/31/2020 12:34	LLJ
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:35	01/31/2020 12:34	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	01/31/2020 06:35	01/31/2020 12:34	LLJ
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:35	01/31/2020 12:34	LLJ



Sample Information

Client Sample ID: Trip Blank

York Sample ID: 20A1033-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1033

130 Midland Avenue, Port Chester, New York

Water

January 28, 2020 12:00 am

01/29/2020

Volatiles, 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
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:35	01/31/2020 12:34	LLJ
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:35	01/31/2020 12:34	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	01/31/2020 06:35	01/31/2020 12:34	LLJ
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:35	01/31/2020 12:34	LLJ
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:35	01/31/2020 12:34	LLJ
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:35	01/31/2020 12:34	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	01/31/2020 06:35	01/31/2020 12:34	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	01/31/2020 06:35	01/31/2020 12:34	LLJ
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:35	01/31/2020 12:34	LLJ
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:35	01/31/2020 12:34	LLJ
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:35	01/31/2020 12:34	LLJ
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	01/31/2020 06:35	01/31/2020 12:34	LLJ

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	98.0 %	69-130
2037-26-5	Surrogate: SURR: Toluene-d8	102 %	81-117
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	110 %	79-122



Analytical Batch Summary

Batch ID: BA01331 **Preparation Method:** EPA 5035A **Prepared By:** LLJ

YORK Sample ID	Client Sample ID	Preparation Date
20A1033-01	GB-1 (4-8)	02/01/20
20A1033-02	GB-2 (4-8)	02/01/20
20A1033-03	GB-3 (4-8)	02/01/20
20A1033-05	GB-4 (0-4)	02/01/20
20A1033-07	GB-5 (0-4)	02/01/20
20A1033-08	GB-6 (4-8)	02/01/20
BA01331-BLK1	Blank	02/01/20
BA01331-BS1	LCS	02/01/20
BA01331-BSD1	LCS Dup	02/01/20

Batch ID: BA01377 **Preparation Method:** EPA 7473 soil **Prepared By:** MAO

YORK Sample ID	Client Sample ID	Preparation Date
20A1033-01	GB-1 (4-8)	01/29/20
20A1033-02	GB-2 (4-8)	01/29/20
20A1033-03	GB-3 (4-8)	01/29/20
20A1033-04	GB-3 (8-12)	01/29/20
20A1033-05	GB-4 (0-4)	01/29/20
20A1033-06	GB-4 (8-12)	01/29/20
20A1033-07	GB-5 (0-4)	01/29/20
20A1033-08	GB-6 (4-8)	01/29/20
BA01377-BLK1	Blank	01/29/20
BA01377-SRM1	Reference	01/29/20

Batch ID: BA01384 **Preparation Method:** EPA 3550C **Prepared By:** LM

YORK Sample ID	Client Sample ID	Preparation Date
20A1033-01	GB-1 (4-8)	01/30/20
20A1033-01	GB-1 (4-8)	01/30/20
20A1033-02	GB-2 (4-8)	01/30/20
20A1033-02	GB-2 (4-8)	01/30/20
20A1033-03	GB-3 (4-8)	01/30/20
20A1033-03	GB-3 (4-8)	01/30/20
20A1033-04	GB-3 (8-12)	01/30/20
20A1033-04	GB-3 (8-12)	01/30/20
20A1033-05	GB-4 (0-4)	01/30/20
20A1033-05	GB-4 (0-4)	01/30/20
20A1033-06	GB-4 (8-12)	01/30/20
20A1033-06	GB-4 (8-12)	01/30/20
BA01384-BLK1	Blank	01/30/20
BA01384-BS1	LCS	01/30/20

Batch ID: BA01405 **Preparation Method:** EPA 3050B **Prepared By:** SY



YORK Sample ID	Client Sample ID	Preparation Date
20A1033-01	GB-1 (4-8)	01/30/20
20A1033-02	GB-2 (4-8)	01/30/20
20A1033-03	GB-3 (4-8)	01/30/20
20A1033-04	GB-3 (8-12)	01/30/20
20A1033-05	GB-4 (0-4)	01/30/20
20A1033-06	GB-4 (8-12)	01/30/20
20A1033-07	GB-5 (0-4)	01/30/20
20A1033-08	GB-6 (4-8)	01/30/20
BA01405-BLK1	Blank	01/30/20
BA01405-SRM1	Reference	01/30/20

Batch ID: BA01436 **Preparation Method:** % Solids Prep **Prepared By:** TJM

YORK Sample ID	Client Sample ID	Preparation Date
20A1033-01	GB-1 (4-8)	01/30/20
20A1033-02	GB-2 (4-8)	01/30/20
20A1033-03	GB-3 (4-8)	01/30/20
20A1033-04	GB-3 (8-12)	01/30/20
20A1033-05	GB-4 (0-4)	01/30/20
20A1033-06	GB-4 (8-12)	01/30/20
20A1033-07	GB-5 (0-4)	01/30/20
20A1033-08	GB-6 (4-8)	01/30/20

Batch ID: BA01452 **Preparation Method:** EPA 3550C **Prepared By:** LMJ

YORK Sample ID	Client Sample ID	Preparation Date
20A1033-07	GB-5 (0-4)	01/31/20
20A1033-07	GB-5 (0-4)	01/31/20
20A1033-08	GB-6 (4-8)	01/31/20
20A1033-08	GB-6 (4-8)	01/31/20
BA01452-BLK1	Blank	01/31/20
BA01452-BLK2	Blank	01/31/20
BA01452-BS1	LCS	01/31/20
BA01452-BS2	LCS	01/31/20
BA01452-MS1	Matrix Spike	01/31/20
BA01452-MS2	Matrix Spike	01/31/20
BA01452-MSD1	Matrix Spike Dup	01/31/20
BA01452-MSD2	Matrix Spike Dup	01/31/20

Batch ID: BA01453 **Preparation Method:** EPA 3550C/8151A **Prepared By:** LM

YORK Sample ID	Client Sample ID	Preparation Date
20A1033-01	GB-1 (4-8)	01/31/20
20A1033-02	GB-2 (4-8)	01/31/20
20A1033-03	GB-3 (4-8)	01/31/20
20A1033-04	GB-3 (8-12)	01/31/20
20A1033-05	GB-4 (0-4)	01/31/20
20A1033-06	GB-4 (8-12)	01/31/20
20A1033-07	GB-5 (0-4)	01/31/20



20A1033-08	GB-6 (4-8)	01/31/20
BA01453-BLK1	Blank	01/31/20
BA01453-BS1	LCS	01/31/20
BA01453-MS1	Matrix Spike	01/31/20
BA01453-MSD1	Matrix Spike Dup	01/31/20

Batch ID: BA01478 **Preparation Method:** EPA 5035A **Prepared By:** LLJ

YORK Sample ID	Client Sample ID	Preparation Date
20A1033-04	GB-3 (8-12)	02/01/20
20A1033-06	GB-4 (8-12)	02/01/20
BA01478-BLK1	Blank	02/01/20
BA01478-BLK2	Blank	02/01/20
BA01478-BS1	LCS	02/01/20
BA01478-BSD1	LCS Dup	02/01/20

Batch ID: BA01479 **Preparation Method:** EPA 5035A **Prepared By:** LLJ

YORK Sample ID	Client Sample ID	Preparation Date
20A1033-04RE1	GB-3 (8-12)	02/01/20
BA01479-BLK1	Blank	02/04/20
BA01479-BLK2	Blank	02/04/20
BA01479-BS1	LCS	02/04/20
BA01479-BSD1	LCS Dup	02/04/20

Batch ID: BA01482 **Preparation Method:** EPA 5030B **Prepared By:** LLJ

YORK Sample ID	Client Sample ID	Preparation Date
20A1033-09	Trip Blank	01/31/20
BA01482-BLK1	Blank	01/31/20
BA01482-BS1	LCS	01/31/20
BA01482-BSD1	LCS Dup	01/31/20

Batch ID: BA01494 **Preparation Method:** EPA 3550C **Prepared By:** MAM

YORK Sample ID	Client Sample ID	Preparation Date
20A1033-01	GB-1 (4-8)	01/31/20
20A1033-01RE1	GB-1 (4-8)	01/31/20
20A1033-01RE2	GB-1 (4-8)	01/31/20
20A1033-02	GB-2 (4-8)	01/31/20
20A1033-03	GB-3 (4-8)	01/31/20
20A1033-04	GB-3 (8-12)	01/31/20
20A1033-05	GB-4 (0-4)	01/31/20
20A1033-06	GB-4 (8-12)	01/31/20
20A1033-06RE1	GB-4 (8-12)	01/31/20
20A1033-07	GB-5 (0-4)	01/31/20
20A1033-08	GB-6 (4-8)	01/31/20
BA01494-BLK1	Blank	01/31/20
BA01494-BS1	LCS	01/31/20



BA01494-MS1	Matrix Spike	01/31/20
BA01494-MSD1	Matrix Spike Dup	01/31/20

Batch ID: BB00006	Preparation Method: EPA 3550C	Prepared By: LM

YORK Sample ID	Client Sample ID	Preparation Date
20A1033-01	GB-1 (4-8)	02/03/20
20A1033-02	GB-2 (4-8)	02/03/20
20A1033-03	GB-3 (4-8)	02/03/20
20A1033-04	GB-3 (8-12)	02/03/20
20A1033-05	GB-4 (0-4)	02/03/20
20A1033-06	GB-4 (8-12)	02/03/20
20A1033-07	GB-5 (0-4)	02/03/20
20A1033-08	GB-6 (4-8)	02/03/20
BB00006-BLK1	Blank	02/03/20
BB00006-BS1	LCS	02/03/20



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 BA01331 - EPA 5035A

Blank (BA01331-BLK1)

Prepared: 02/01/2020 Analyzed: 02/02/2020

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	"
1,1-Dichloropropylene	ND	0.0050	"
1,2,3-Trichlorobenzene	ND	0.0050	"
1,2,3-Trichloropropane	ND	0.0050	"
1,2,4,5-Tetramethylbenzene	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	"
1,3-Dichloropropane	ND	0.0050	"
1,4-Dichlorobenzene	ND	0.0050	"
1,4-Dioxane	ND	0.10	"
2,2-Dichloropropane	ND	0.0050	"
2-Butanone	ND	0.0050	"
2-Chloroethylvinyl ether	ND	0.020	"
2-Chlorotoluene	ND	0.0050	"
2-Hexanone	ND	0.0050	"
4-Chlorotoluene	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	"
Bromobenzene	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	"



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 BA01331 - EPA 5035A

Blank (BA01331-BLK1)

Prepared: 02/01/2020 Analyzed: 02/02/2020

Dibromomethane	ND	0.0050	mg/kg wet								
Dichlorodifluoromethane	ND	0.0050	"								
Diisopropyl ether (DIPE)	ND	0.0080	"								
Ethanol	ND	0.080	"								
Ethyl Benzene	ND	0.0050	"								
Ethyl tert-butyl ether (ETBE)	ND	0.0080	"								
Hexachlorobutadiene	ND	0.0050	"								
Iodomethane	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl Methacrylate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
Naphthalene	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-Diethylbenzene	ND	0.0050	"								
p-Ethyltoluene	ND	0.0050	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Amyl alcohol (TAA)	ND	0.080	"								
tert-Amyl methyl ether (TAME)	ND	0.0080	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Tetrahydrofuran	ND	0.010	"								
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 acetate	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Allyl chloride	ND	0.0050	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	52.6		ug/L	50.0		105	77-125				
Surrogate: SURR: Toluene-d8	47.4		"	50.0		94.9	85-120				
Surrogate: SURR: p-Bromofluorobenzene	49.4		"	50.0		98.7	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 BA01331 - EPA 5035A											
LCS (BA01331-BS1)						Prepared: 02/01/2020 Analyzed: 02/02/2020					
1,1,1,2-Tetrachloroethane	54.4		ug/L	50.0		109	75-129				
1,1,1-Trichloroethane	60.8		"	50.0		122	71-137				
1,1,2,2-Tetrachloroethane	46.5		"	50.0		92.9	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	48.8		"	50.0		97.7	58-146				
1,1,2-Trichloroethane	48.1		"	50.0		96.1	83-123				
1,1-Dichloroethane	47.5		"	50.0		95.0	75-130				
1,1-Dichloroethylene	51.2		"	50.0		102	64-137				
1,1-Dichloropropylene	52.6		"	50.0		105	77-127				
1,2,3-Trichlorobenzene	53.1		"	50.0		106	81-140				
1,2,3-Trichloropropane	53.7		"	50.0		107	81-126				
1,2,4,5-Tetramethylbenzene	48.5		"	50.0		96.9	63-156				
1,2,4-Trichlorobenzene	51.3		"	50.0		103	80-141				
1,2,4-Trimethylbenzene	50.0		"	50.0		100	84-125				
1,2-Dibromo-3-chloropropane	48.7		"	50.0		97.3	74-142				
1,2-Dibromoethane	52.3		"	50.0		105	86-123				
1,2-Dichlorobenzene	50.0		"	50.0		100	85-122				
1,2-Dichloroethane	53.9		"	50.0		108	71-133				
1,2-Dichloropropane	42.0		"	50.0		83.9	81-122				
1,3,5-Trimethylbenzene	49.9		"	50.0		99.8	82-126				
1,3-Dichlorobenzene	50.1		"	50.0		100	84-124				
1,3-Dichloropropane	47.8		"	50.0		95.7	83-123				
1,4-Dichlorobenzene	49.4		"	50.0		98.9	84-124				
1,4-Dioxane	986		"	1050		93.9	10-228				
2,2-Dichloropropane	44.4		"	50.0		88.9	67-136				
2-Butanone	50.5		"	50.0		101	58-147				
2-Chloroethylvinyl ether	52.0		"	50.0		104	10-166				
2-Chlorotoluene	47.7		"	50.0		95.4	78-127				
2-Hexanone	42.4		"	50.0		84.8	70-139				
4-Chlorotoluene	47.0		"	50.0		94.0	79-125				
4-Methyl-2-pentanone	34.4		"	50.0		68.9	72-132	Low Bias			
Acetone	36.4		"	50.0		72.7	36-155				
Acrolein	89.4		"	500		17.9	10-238				
Acrylonitrile	48.0		"	50.0		96.0	66-141				
Benzene	49.3		"	50.0		98.6	77-127				
Bromobenzene	46.3		"	50.0		92.6	77-129				
Bromochloromethane	45.0		"	50.0		89.9	74-129				
Bromodichloromethane	51.4		"	50.0		103	81-124				
Bromoform	51.5		"	50.0		103	80-136				
Bromomethane	50.1		"	50.0		100	32-177				
Carbon disulfide	52.2		"	50.0		104	10-136				
Carbon tetrachloride	56.4		"	50.0		113	66-143				
Chlorobenzene	48.9		"	50.0		97.8	86-120				
Chloroethane	51.3		"	50.0		103	51-142				
Chloroform	55.3		"	50.0		111	76-131				
Chloromethane	45.8		"	50.0		91.5	49-132				
cis-1,2-Dichloroethylene	49.5		"	50.0		99.1	74-132				
cis-1,3-Dichloropropylene	46.6		"	50.0		93.3	81-129				
Cyclohexane	44.3		"	50.0		88.7	70-130				
Dibromochloromethane	52.1		"	50.0		104	10-200				
Dibromomethane	49.0		"	50.0		98.0	83-124				



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 BA01331 - EPA 5035A

LCS (BA01331-BS1)

Prepared: 02/01/2020 Analyzed: 02/02/2020

Dichlorodifluoromethane	63.9		ug/L	50.0		128	28-158				
Diisopropyl ether (DIPE)	45.2		"	50.0		90.5	70-130				
Ethanol	ND	0.080	mg/kg wet				70-130				
Ethyl Benzene	49.2		ug/L	50.0		98.5	84-125				
Ethyl tert-butyl ether (ETBE)	52.4		"	50.0		105	70-130				
Hexachlorobutadiene	55.8		"	50.0		112	83-133				
Iodomethane	60.4		"	50.0		121	70-130				
Isopropylbenzene	48.7		"	50.0		97.4	81-127				
Methyl acetate	40.2		"	50.0		80.4	41-143				
Methyl Methacrylate	43.4		"	50.0		86.8	79-125				
Methyl tert-butyl ether (MTBE)	53.0		"	50.0		106	74-131				
Methylcyclohexane	45.2		"	50.0		90.5	70-130				
Methylene chloride	46.7		"	50.0		93.4	57-141				
Naphthalene	48.1		"	50.0		96.2	86-141				
n-Butylbenzene	45.7		"	50.0		91.4	80-130				
n-Propylbenzene	46.4		"	50.0		92.8	74-136				
o-Xylene	48.9		"	50.0		97.8	83-123				
p- & m- Xylenes	100		"	100		100	82-128				
p-Diethylbenzene	53.2		"	50.0		106	70-144				
p-Ethyltoluene	49.7		"	50.0		99.4	84-123				
p-Isopropyltoluene	50.8		"	50.0		102	85-125				
sec-Butylbenzene	50.8		"	50.0		102	83-125				
Styrene	50.1		"	50.0		100	86-126				
tert-Amyl alcohol (TAA)	479		"	500		95.8	70-130				
tert-Amyl methyl ether (TAME)	53.2		"	50.0		106	70-130				
tert-Butyl alcohol (TBA)	239		"	250		95.4	70-130				
tert-Butylbenzene	44.5		"	50.0		88.9	80-127				
Tetrachloroethylene	51.6		"	50.0		103	80-129				
Tetrahydrofuran	41.4		"	50.0		82.8	64-137				
Toluene	47.9		"	50.0		95.8	85-121				
trans-1,2-Dichloroethylene	51.0		"	50.0		102	72-132				
trans-1,3-Dichloropropylene	44.4		"	50.0		88.9	78-132				
trans-1,4-dichloro-2-butene	46.6		"	50.0		93.3	75-135				
Trichloroethylene	51.0		"	50.0		102	84-123				
Trichlorofluoromethane	48.8		"	50.0		97.7	62-140				
Vinyl acetate	45.6		"	50.0		91.1	67-136				
Vinyl Chloride	50.5		"	50.0		101	52-130				
Allyl chloride	46.9		"	50.0		93.8	70-130				
Surrogate: SURR: 1,2-Dichloroethane-d4	53.4		"	50.0		107	77-125				
Surrogate: SURR: Toluene-d8	47.5		"	50.0		95.0	85-120				
Surrogate: SURR: p-Bromofluorobenzene	49.7		"	50.0		99.4	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 BA01331 - EPA 5035A											
LCS Dup (BA01331-BSD1)						Prepared: 02/01/2020 Analyzed: 02/02/2020					
1,1,1,2-Tetrachloroethane	51.5		ug/L	50.0		103	75-129		5.55	30	
1,1,1-Trichloroethane	58.4		"	50.0		117	71-137		3.99	30	
1,1,2,2-Tetrachloroethane	45.4		"	50.0		90.8	79-129		2.35	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	48.0		"	50.0		96.0	58-146		1.69	30	
1,1,2-Trichloroethane	46.3		"	50.0		92.6	83-123		3.71	30	
1,1-Dichloroethane	45.7		"	50.0		91.4	75-130		3.88	30	
1,1-Dichloroethylene	49.6		"	50.0		99.3	64-137		3.00	30	
1,1-Dichloropropylene	51.1		"	50.0		102	77-127		2.93	30	
1,2,3-Trichlorobenzene	52.4		"	50.0		105	81-140		1.25	30	
1,2,3-Trichloropropane	52.8		"	50.0		106	81-126		1.82	30	
1,2,4,5-Tetramethylbenzene	48.3		"	50.0		96.6	63-156		0.310	30	
1,2,4-Trichlorobenzene	50.6		"	50.0		101	80-141		1.41	30	
1,2,4-Trimethylbenzene	49.9		"	50.0		99.7	84-125		0.300	30	
1,2-Dibromo-3-chloropropane	50.4		"	50.0		101	74-142		3.47	30	
1,2-Dibromoethane	50.3		"	50.0		101	86-123		4.05	30	
1,2-Dichlorobenzene	49.3		"	50.0		98.6	85-122		1.37	30	
1,2-Dichloroethane	50.9		"	50.0		102	71-133		5.63	30	
1,2-Dichloropropane	41.5		"	50.0		83.0	81-122		1.10	30	
1,3,5-Trimethylbenzene	49.6		"	50.0		99.2	82-126		0.543	30	
1,3-Dichlorobenzene	49.6		"	50.0		99.1	84-124		1.10	30	
1,3-Dichloropropane	46.2		"	50.0		92.5	83-123		3.40	30	
1,4-Dichlorobenzene	49.0		"	50.0		98.1	84-124		0.792	30	
1,4-Dioxane	999		"	1050		95.2	10-228		1.33	30	
2,2-Dichloropropane	42.4		"	50.0		84.8	67-136		4.72	30	
2-Butanone	47.6		"	50.0		95.2	58-147		5.93	30	
2-Chloroethylvinyl ether	49.8		"	50.0		99.6	10-166		4.32	30	
2-Chlorotoluene	47.4		"	50.0		94.9	78-127		0.484	30	
2-Hexanone	41.5		"	50.0		83.1	70-139		2.07	30	
4-Chlorotoluene	47.0		"	50.0		94.1	79-125		0.128	30	
4-Methyl-2-pentanone	33.8		"	50.0		67.6	72-132	Low Bias	1.85	30	
Acetone	36.3		"	50.0		72.5	36-155		0.248	30	
Acrolein	87.0		"	500		17.4	10-238		2.69	30	
Acrylonitrile	47.2		"	50.0		94.4	66-141		1.64	30	
Benzene	47.2		"	50.0		94.5	77-127		4.33	30	
Bromobenzene	46.7		"	50.0		93.4	77-129		0.861	30	
Bromochloromethane	42.3		"	50.0		84.6	74-129		6.03	30	
Bromodichloromethane	48.6		"	50.0		97.3	81-124		5.50	30	
Bromoform	50.8		"	50.0		102	80-136		1.49	30	
Bromomethane	46.0		"	50.0		92.0	32-177		8.55	30	
Carbon disulfide	48.7		"	50.0		97.4	10-136		7.04	30	
Carbon tetrachloride	54.0		"	50.0		108	66-143		4.20	30	
Chlorobenzene	47.2		"	50.0		94.4	86-120		3.54	30	
Chloroethane	49.3		"	50.0		98.6	51-142		3.97	30	
Chloroform	53.1		"	50.0		106	76-131		4.02	30	
Chloromethane	42.5		"	50.0		85.0	49-132		7.43	30	
cis-1,2-Dichloroethylene	47.4		"	50.0		94.9	74-132		4.31	30	
cis-1,3-Dichloropropylene	44.9		"	50.0		89.7	81-129		3.89	30	
Cyclohexane	42.0		"	50.0		84.1	70-130		5.28	30	
Dibromochloromethane	49.6		"	50.0		99.1	10-200		5.02	30	
Dibromomethane	45.7		"	50.0		91.5	83-124		6.94	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 BA01331 - EPA 5035A											
LCS Dup (BA01331-BSD1)						Prepared: 02/01/2020 Analyzed: 02/02/2020					
Dichlorodifluoromethane	61.6		ug/L	50.0		123	28-158		3.55	30	
Diisopropyl ether (DIPE)	42.7		"	50.0		85.4	70-130		5.80	30	
Ethanol	ND	0.080	mg/kg wet				70-130			30	
Ethyl Benzene	47.5		ug/L	50.0		95.0	84-125		3.53	30	
Ethyl tert-butyl ether (ETBE)	48.9		"	50.0		97.7	70-130		6.95	30	
Hexachlorobutadiene	56.4		"	50.0		113	83-133		1.03	30	
Iodomethane	57.6		"	50.0		115	70-130		4.85	30	
Isopropylbenzene	48.8		"	50.0		97.5	81-127		0.123	30	
Methyl acetate	38.7		"	50.0		77.4	41-143		3.85	30	
Methyl Methacrylate	42.3		"	50.0		84.6	79-125		2.59	30	
Methyl tert-butyl ether (MTBE)	50.1		"	50.0		100	74-131		5.64	30	
Methylcyclohexane	44.4		"	50.0		88.7	70-130		1.92	30	
Methylene chloride	47.2		"	50.0		94.4	57-141		1.02	30	
Naphthalene	47.6		"	50.0		95.2	86-141		0.982	30	
n-Butylbenzene	46.8		"	50.0		93.5	80-130		2.32	30	
n-Propylbenzene	46.4		"	50.0		92.7	74-136		0.129	30	
o-Xylene	46.8		"	50.0		93.7	83-123		4.32	30	
p- & m- Xylenes	96.8		"	100		96.8	82-128		3.54	30	
p-Diethylbenzene	54.5		"	50.0		109	70-144		2.47	30	
p-Ethyltoluene	49.7		"	50.0		99.4	84-123		0.00	30	
p-Isopropyltoluene	51.0		"	50.0		102	85-125		0.196	30	
sec-Butylbenzene	50.8		"	50.0		102	83-125		0.0591	30	
Styrene	47.8		"	50.0		95.7	86-126		4.55	30	
tert-Amyl alcohol (TAA)	485		"	500		96.9	70-130		1.15	30	
tert-Amyl methyl ether (TAME)	49.8		"	50.0		99.6	70-130		6.53	30	
tert-Butyl alcohol (TBA)	239		"	250		95.4	70-130		0.0210	30	
tert-Butylbenzene	44.6		"	50.0		89.2	80-127		0.292	30	
Tetrachloroethylene	49.6		"	50.0		99.2	80-129		3.95	30	
Tetrahydrofuran	41.2		"	50.0		82.5	64-137		0.436	30	
Toluene	46.2		"	50.0		92.4	85-121		3.53	30	
trans-1,2-Dichloroethylene	49.7		"	50.0		99.4	72-132		2.54	30	
trans-1,3-Dichloropropylene	42.8		"	50.0		85.5	78-132		3.83	30	
trans-1,4-dichloro-2-butene	45.9		"	50.0		91.8	75-135		1.60	30	
Trichloroethylene	47.9		"	50.0		95.8	84-123		6.15	30	
Trichlorofluoromethane	48.0		"	50.0		96.0	62-140		1.69	30	
Vinyl acetate	43.6		"	50.0		87.3	67-136		4.28	30	
Vinyl Chloride	46.9		"	50.0		93.9	52-130		7.31	30	
Allyl chloride	45.6		"	50.0		91.3	70-130		2.68	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	52.0		"	50.0		104	77-125				
Surrogate: SURR: Toluene-d8	47.2		"	50.0		94.4	85-120				
Surrogate: SURR: p-Bromofluorobenzene	50.2		"	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 BA01478 - EPA 5035A

Blank (BA01478-BLK1)

Prepared: 02/01/2020 Analyzed: 02/03/2020

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	"
1,1-Dichloropropylene	ND	0.0050	"
1,2,3-Trichlorobenzene	ND	0.0050	"
1,2,3-Trichloropropane	ND	0.0050	"
1,2,4,5-Tetramethylbenzene	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	"
1,3-Dichloropropane	ND	0.0050	"
1,4-Dichlorobenzene	ND	0.0050	"
1,4-Dioxane	ND	0.10	"
2,2-Dichloropropane	ND	0.0050	"
2-Butanone	ND	0.0050	"
2-Chloroethylvinyl ether	ND	0.020	"
2-Chlorotoluene	ND	0.0050	"
2-Hexanone	ND	0.0050	"
4-Chlorotoluene	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	"
Bromobenzene	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	"



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 BA01478 - EPA 5035A

Blank (BA01478-BLK1)

Prepared: 02/01/2020 Analyzed: 02/03/2020

Dichlorodifluoromethane	ND	0.0050	mg/kg wet								
Diisopropyl ether (DIPE)	ND	0.0080	"								
Ethanol	ND	0.080	"								
Ethyl Benzene	ND	0.0050	"								
Ethyl tert-butyl ether (ETBE)	ND	0.0080	"								
Hexachlorobutadiene	ND	0.0050	"								
Iodomethane	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl Methacrylate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
Naphthalene	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-Diethylbenzene	ND	0.0050	"								
p-Ethyltoluene	ND	0.0050	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Amyl alcohol (TAA)	ND	0.080	"								
tert-Amyl methyl ether (TAME)	ND	0.0080	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Tetrahydrofuran	ND	0.010	"								
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 acetate	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Allyl chloride	ND	0.0050	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	53.4		ug/L	50.0		107	77-125				
Surrogate: SURR: Toluene-d8	46.6		"	50.0		93.2	85-120				
Surrogate: SURR: p-Bromofluorobenzene	49.5		"	50.0		99.0	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 BA01478 - EPA 5035A

Blank (BA01478-BLK2)

Prepared: 02/01/2020 Analyzed: 02/03/2020

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	"
1,1-Dichloropropylene	ND	0.0050	"
1,2,3-Trichlorobenzene	ND	0.0050	"
1,2,3-Trichloropropane	ND	0.0050	"
1,2,4,5-Tetramethylbenzene	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	"
1,3-Dichloropropane	ND	0.0050	"
1,4-Dichlorobenzene	ND	0.0050	"
1,4-Dioxane	ND	0.10	"
2,2-Dichloropropane	ND	0.0050	"
2-Butanone	ND	0.0050	"
2-Chloroethylvinyl ether	ND	0.020	"
2-Chlorotoluene	ND	0.0050	"
2-Hexanone	ND	0.0050	"
4-Chlorotoluene	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	"
Bromobenzene	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	"



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 BA01478 - EPA 5035A

Blank (BA01478-BLK2)

Prepared: 02/01/2020 Analyzed: 02/03/2020

Dichlorodifluoromethane	ND	0.0050	mg/kg wet								
Diisopropyl ether (DIPE)	ND	0.0080	"								
Ethanol	ND	0.080	"								
Ethyl Benzene	ND	0.0050	"								
Ethyl tert-butyl ether (ETBE)	ND	0.0080	"								
Hexachlorobutadiene	ND	0.0050	"								
Iodomethane	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl Methacrylate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
Naphthalene	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-Diethylbenzene	ND	0.0050	"								
p-Ethyltoluene	ND	0.0050	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Amyl alcohol (TAA)	ND	0.080	"								
tert-Amyl methyl ether (TAME)	ND	0.0080	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Tetrahydrofuran	ND	0.010	"								
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 acetate	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Allyl chloride	ND	0.0050	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	55.5		ug/L	50.0		111	77-125				
Surrogate: SURR: Toluene-d8	47.3		"	50.0		94.5	85-120				
Surrogate: SURR: p-Bromofluorobenzene	49.2		"	50.0		98.3	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 BA01478 - EPA 5035A											
LCS (BA01478-BS1)						Prepared: 02/01/2020 Analyzed: 02/03/2020					
1,1,1,2-Tetrachloroethane	48.4		ug/L	50.0		96.8	75-129				
1,1,1-Trichloroethane	56.6		"	50.0		113	71-137				
1,1,2,2-Tetrachloroethane	40.2		"	50.0		80.5	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	46.3		"	50.0		92.6	58-146				
1,1,2-Trichloroethane	42.4		"	50.0		84.9	83-123				
1,1-Dichloroethane	42.4		"	50.0		84.8	75-130				
1,1-Dichloroethylene	46.5		"	50.0		93.0	64-137				
1,1-Dichloropropylene	48.2		"	50.0		96.4	77-127				
1,2,3-Trichlorobenzene	47.7		"	50.0		95.4	81-140				
1,2,3-Trichloropropane	45.9		"	50.0		91.8	81-126				
1,2,4,5-Tetramethylbenzene	44.8		"	50.0		89.6	63-156				
1,2,4-Trichlorobenzene	48.4		"	50.0		96.8	80-141				
1,2,4-Trimethylbenzene	44.9		"	50.0		89.7	84-125				
1,2-Dibromo-3-chloropropane	43.2		"	50.0		86.4	74-142				
1,2-Dibromoethane	45.8		"	50.0		91.7	86-123				
1,2-Dichlorobenzene	44.6		"	50.0		89.2	85-122				
1,2-Dichloroethane	47.7		"	50.0		95.3	71-133				
1,2-Dichloropropane	37.3		"	50.0		74.6	81-122	Low Bias			
1,3,5-Trimethylbenzene	44.6		"	50.0		89.2	82-126				
1,3-Dichlorobenzene	45.7		"	50.0		91.5	84-124				
1,3-Dichloropropane	41.4		"	50.0		82.7	83-123	Low Bias			
1,4-Dichlorobenzene	45.3		"	50.0		90.6	84-124				
1,4-Dioxane	911		"	1050		86.7	10-228				
2,2-Dichloropropane	43.7		"	50.0		87.5	67-136				
2-Butanone	44.6		"	50.0		89.3	58-147				
2-Chloroethylvinyl ether	45.3		"	50.0		90.6	10-166				
2-Chlorotoluene	42.4		"	50.0		84.7	78-127				
2-Hexanone	35.3		"	50.0		70.6	70-139				
4-Chlorotoluene	42.4		"	50.0		84.8	79-125				
4-Methyl-2-pentanone	28.8		"	50.0		57.5	72-132	Low Bias			
Acetone	31.7		"	50.0		63.4	36-155				
Acrolein	86.4		"	500		17.3	10-238				
Acrylonitrile	39.8		"	50.0		79.5	66-141				
Benzene	44.5		"	50.0		89.0	77-127				
Bromobenzene	40.8		"	50.0		81.5	77-129				
Bromochloromethane	38.0		"	50.0		76.1	74-129				
Bromodichloromethane	44.2		"	50.0		88.4	81-124				
Bromoform	47.9		"	50.0		95.7	80-136				
Bromomethane	44.6		"	50.0		89.2	32-177				
Carbon disulfide	46.8		"	50.0		93.6	10-136				
Carbon tetrachloride	52.2		"	50.0		104	66-143				
Chlorobenzene	43.1		"	50.0		86.1	86-120				
Chloroethane	47.4		"	50.0		94.9	51-142				
Chloroform	48.6		"	50.0		97.1	76-131				
Chloromethane	40.6		"	50.0		81.2	49-132				
cis-1,2-Dichloroethylene	43.8		"	50.0		87.6	74-132				
cis-1,3-Dichloropropylene	42.1		"	50.0		84.1	81-129				
Cyclohexane	40.0		"	50.0		80.0	70-130				
Dibromochloromethane	46.4		"	50.0		92.8	10-200				
Dibromomethane	42.8		"	50.0		85.6	83-124				



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 BA01478 - EPA 5035A

LCS (BA01478-BS1)

Prepared: 02/01/2020 Analyzed: 02/03/2020

Dichlorodifluoromethane	62.6		ug/L	50.0		125	28-158				
Diisopropyl ether (DIPE)	38.1		"	50.0		76.3	70-130				
Ethanol	ND	0.080	mg/kg wet				70-130				
Ethyl Benzene	43.4		ug/L	50.0		86.9	84-125				
Ethyl tert-butyl ether (ETBE)	44.5		"	50.0		89.0	70-130				
Hexachlorobutadiene	52.7		"	50.0		105	83-133				
Iodomethane	52.0		"	50.0		104	70-130				
Isopropylbenzene	43.0		"	50.0		85.9	81-127				
Methyl acetate	34.0		"	50.0		68.0	41-143				
Methyl Methacrylate	38.0		"	50.0		76.0	79-125	Low Bias			
Methyl tert-butyl ether (MTBE)	45.5		"	50.0		91.1	74-131				
Methylcyclohexane	41.2		"	50.0		82.4	70-130				
Methylene chloride	41.0		"	50.0		82.0	57-141				
Naphthalene	42.0		"	50.0		84.0	86-141	Low Bias			
n-Butylbenzene	43.6		"	50.0		87.2	80-130				
n-Propylbenzene	41.5		"	50.0		83.1	74-136				
o-Xylene	43.1		"	50.0		86.2	83-123				
p- & m- Xylenes	88.4		"	100		88.4	82-128				
p-Diethylbenzene	49.7		"	50.0		99.5	70-144				
p-Ethyltoluene	45.0		"	50.0		90.0	84-123				
p-Isopropyltoluene	46.1		"	50.0		92.2	85-125				
sec-Butylbenzene	45.7		"	50.0		91.5	83-125				
Styrene	43.5		"	50.0		87.0	86-126				
tert-Amyl alcohol (TAA)	439		"	500		87.7	70-130				
tert-Amyl methyl ether (TAME)	45.7		"	50.0		91.5	70-130				
tert-Butyl alcohol (TBA)	210		"	250		84.1	70-130				
tert-Butylbenzene	39.5		"	50.0		79.0	80-127	Low Bias			
Tetrachloroethylene	46.8		"	50.0		93.5	80-129				
Tetrahydrofuran	37.0		"	50.0		74.0	64-137				
Toluene	41.8		"	50.0		83.7	85-121	Low Bias			
trans-1,2-Dichloroethylene	46.7		"	50.0		93.4	72-132				
trans-1,3-Dichloropropylene	41.3		"	50.0		82.6	78-132				
trans-1,4-dichloro-2-butene	40.5		"	50.0		81.0	75-135				
Trichloroethylene	44.6		"	50.0		89.2	84-123				
Trichlorofluoromethane	46.3		"	50.0		92.6	62-140				
Vinyl acetate	40.9		"	50.0		81.8	67-136				
Vinyl Chloride	45.6		"	50.0		91.3	52-130				
Allyl chloride	43.9		"	50.0		87.7	70-130				
Surrogate: SURR: 1,2-Dichloroethane-d4	53.8		"	50.0		108	77-125				
Surrogate: SURR: Toluene-d8	46.8		"	50.0		93.5	85-120				
Surrogate: SURR: p-Bromofluorobenzene	49.7		"	50.0		99.4	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 BA01478 - EPA 5035A											
LCS Dup (BA01478-BSD1)						Prepared: 02/01/2020 Analyzed: 02/03/2020					
1,1,1,2-Tetrachloroethane	60.2		ug/L	50.0		120	75-129		21.8	30	
1,1,1-Trichloroethane	67.8		"	50.0		136	71-137		18.0	30	
1,1,2,2-Tetrachloroethane	47.5		"	50.0		95.0	79-129		16.5	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	54.8		"	50.0		110	58-146		16.8	30	
1,1,2-Trichloroethane	51.7		"	50.0		103	83-123		19.6	30	
1,1-Dichloroethane	50.6		"	50.0		101	75-130		17.7	30	
1,1-Dichloroethylene	55.7		"	50.0		111	64-137		18.0	30	
1,1-Dichloropropylene	57.2		"	50.0		114	77-127		17.1	30	
1,2,3-Trichlorobenzene	57.2		"	50.0		114	81-140		18.1	30	
1,2,3-Trichloropropane	57.0		"	50.0		114	81-126		21.6	30	
1,2,4,5-Tetramethylbenzene	54.8		"	50.0		110	63-156		20.1	30	
1,2,4-Trichlorobenzene	58.4		"	50.0		117	80-141		18.6	30	
1,2,4-Trimethylbenzene	55.0		"	50.0		110	84-125		20.4	30	
1,2-Dibromo-3-chloropropane	53.4		"	50.0		107	74-142		21.2	30	
1,2-Dibromoethane	54.7		"	50.0		109	86-123		17.6	30	
1,2-Dichlorobenzene	53.4		"	50.0		107	85-122		18.0	30	
1,2-Dichloroethane	56.9		"	50.0		114	71-133		17.7	30	
1,2-Dichloropropane	44.3		"	50.0		88.6	81-122		17.2	30	
1,3,5-Trimethylbenzene	53.7		"	50.0		107	82-126		18.6	30	
1,3-Dichlorobenzene	55.2		"	50.0		110	84-124		18.8	30	
1,3-Dichloropropane	50.3		"	50.0		101	83-123		19.5	30	
1,4-Dichlorobenzene	54.6		"	50.0		109	84-124		18.5	30	
1,4-Dioxane	1020		"	1050		97.5	10-228		11.7	30	
2,2-Dichloropropane	53.0		"	50.0		106	67-136		19.1	30	
2-Butanone	54.2		"	50.0		108	58-147		19.3	30	
2-Chloroethylvinyl ether	55.6		"	50.0		111	10-166		20.5	30	
2-Chlorotoluene	51.3		"	50.0		103	78-127		19.1	30	
2-Hexanone	45.0		"	50.0		90.1	70-139		24.2	30	
4-Chlorotoluene	51.1		"	50.0		102	79-125		18.6	30	
4-Methyl-2-pentanone	35.1		"	50.0		70.1	72-132	Low Bias	19.8	30	
Acetone	37.1		"	50.0		74.1	36-155		15.6	30	
Acrolein	97.4		"	500		19.5	10-238		11.9	30	
Acrylonitrile	47.4		"	50.0		94.9	66-141		17.6	30	
Benzene	52.0		"	50.0		104	77-127		15.6	30	
Bromobenzene	49.4		"	50.0		98.8	77-129		19.2	30	
Bromochloromethane	45.3		"	50.0		90.6	74-129		17.4	30	
Bromodichloromethane	54.3		"	50.0		109	81-124		20.6	30	
Bromoform	57.8		"	50.0		116	80-136		18.9	30	
Bromomethane	53.4		"	50.0		107	32-177		17.9	30	
Carbon disulfide	56.5		"	50.0		113	10-136		18.8	30	
Carbon tetrachloride	62.8		"	50.0		126	66-143		18.4	30	
Chlorobenzene	52.8		"	50.0		106	86-120		20.4	30	
Chloroethane	54.0		"	50.0		108	51-142		12.9	30	
Chloroform	59.6		"	50.0		119	76-131		20.3	30	
Chloromethane	48.4		"	50.0		96.8	49-132		17.5	30	
cis-1,2-Dichloroethylene	53.6		"	50.0		107	74-132		20.1	30	
cis-1,3-Dichloropropylene	52.3		"	50.0		105	81-129		21.7	30	
Cyclohexane	47.4		"	50.0		94.8	70-130		16.9	30	
Dibromochloromethane	56.0		"	50.0		112	10-200		18.7	30	
Dibromomethane	51.2		"	50.0		102	83-124		17.7	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 BA01478 - EPA 5035A											
LCS Dup (BA01478-BSD1)						Prepared: 02/01/2020 Analyzed: 02/03/2020					
Dichlorodifluoromethane	76.4		ug/L	50.0		153	28-158		20.0	30	
Diisopropyl ether (DIPE)	46.0		"	50.0		91.9	70-130		18.6	30	
Ethanol	ND	0.080	mg/kg wet				70-130			30	
Ethyl Benzene	52.8		ug/L	50.0		106	84-125		19.5	30	
Ethyl tert-butyl ether (ETBE)	54.6		"	50.0		109	70-130		20.4	30	
Hexachlorobutadiene	64.8		"	50.0		130	83-133		20.6	30	
Iodomethane	64.9		"	50.0		130	70-130		22.1	30	
Isopropylbenzene	53.0		"	50.0		106	81-127		20.9	30	
Methyl acetate	41.9		"	50.0		83.7	41-143		20.8	30	
Methyl Methacrylate	44.8		"	50.0		89.6	79-125		16.4	30	
Methyl tert-butyl ether (MTBE)	54.1		"	50.0		108	74-131		17.2	30	
Methylcyclohexane	48.8		"	50.0		97.7	70-130		17.0	30	
Methylene chloride	47.6		"	50.0		95.1	57-141		14.8	30	
Naphthalene	50.5		"	50.0		101	86-141		18.4	30	
n-Butylbenzene	51.4		"	50.0		103	80-130		16.4	30	
n-Propylbenzene	50.5		"	50.0		101	74-136		19.4	30	
o-Xylene	51.9		"	50.0		104	83-123		18.6	30	
p- & m- Xylenes	108		"	100		108	82-128		20.2	30	
p-Diethylbenzene	60.4		"	50.0		121	70-144		19.3	30	
p-Ethyltoluene	54.5		"	50.0		109	84-123		19.1	30	
p-Isopropyltoluene	56.2		"	50.0		112	85-125		19.7	30	
sec-Butylbenzene	54.8		"	50.0		110	83-125		18.0	30	
Styrene	53.6		"	50.0		107	86-126		20.8	30	
tert-Amyl alcohol (TAA)	521		"	500		104	70-130		17.1	30	
tert-Amyl methyl ether (TAME)	55.0		"	50.0		110	70-130		18.4	30	
tert-Butyl alcohol (TBA)	262		"	250		105	70-130		22.1	30	
tert-Butylbenzene	48.1		"	50.0		96.2	80-127		19.7	30	
Tetrachloroethylene	57.5		"	50.0		115	80-129		20.6	30	
Tetrahydrofuran	44.0		"	50.0		87.9	64-137		17.1	30	
Toluene	50.4		"	50.0		101	85-121		18.7	30	
trans-1,2-Dichloroethylene	55.3		"	50.0		111	72-132		16.9	30	
trans-1,3-Dichloropropylene	50.4		"	50.0		101	78-132		19.8	30	
trans-1,4-dichloro-2-butene	50.5		"	50.0		101	75-135		22.0	30	
Trichloroethylene	54.4		"	50.0		109	84-123		19.8	30	
Trichlorofluoromethane	54.8		"	50.0		110	62-140		16.8	30	
Vinyl acetate	48.8		"	50.0		97.7	67-136		17.7	30	
Vinyl Chloride	55.0		"	50.0		110	52-130		18.5	30	
Allyl chloride	52.0		"	50.0		104	70-130		17.1	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	53.1		"	50.0		106	77-125				
Surrogate: SURR: Toluene-d8	48.0		"	50.0		96.1	85-120				
Surrogate: SURR: p-Bromofluorobenzene	49.7		"	50.0		99.4	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 BA01479 - EPA 5035A											
Blank (BA01479-BLK1)										Prepared & Analyzed: 02/04/2020	
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	"								
1,1-Dichloropropylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4,5-Tetramethylbenzene	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	"								
1,3-Dichloropropane	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2,2-Dichloropropane	ND	0.0050	"								
2-Butanone	ND	0.0050	"								
2-Chloroethylvinyl ether	ND	0.020	"								
2-Chlorotoluene	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Chlorotoluene	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	"								
Bromobenzene	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	"								



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 BA01479 - EPA 5035A

Blank (BA01479-BLK1)

Prepared & Analyzed: 02/04/2020

Dichlorodifluoromethane	ND	0.0050	mg/kg wet								
Diisopropyl ether (DIPE)	ND	0.0080	"								
Ethanol	ND	0.080	"								
Ethyl Benzene	ND	0.0050	"								
Ethyl tert-butyl ether (ETBE)	ND	0.0080	"								
Hexachlorobutadiene	ND	0.0050	"								
Iodomethane	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl Methacrylate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
Naphthalene	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-Diethylbenzene	ND	0.0050	"								
p-Ethyltoluene	ND	0.0050	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Amyl alcohol (TAA)	ND	0.080	"								
tert-Amyl methyl ether (TAME)	ND	0.0080	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Tetrahydrofuran	ND	0.010	"								
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 acetate	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Allyl chloride	ND	0.0050	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	54.1		ug/L	50.0		108	77-125				
Surrogate: SURR: Toluene-d8	47.6		"	50.0		95.2	85-120				
Surrogate: SURR: p-Bromofluorobenzene	48.6		"	50.0		97.1	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 BA01479 - EPA 5035A											
Blank (BA01479-BLK2)										Prepared & Analyzed: 02/04/2020	
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	"								
1,1-Dichloropropylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4,5-Tetramethylbenzene	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	"								
1,3-Dichloropropane	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2,2-Dichloropropane	ND	0.0050	"								
2-Butanone	ND	0.0050	"								
2-Chloroethylvinyl ether	ND	0.020	"								
2-Chlorotoluene	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Chlorotoluene	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	"								
Bromobenzene	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	"								



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 BA01479 - EPA 5035A

Blank (BA01479-BLK2)

Prepared & Analyzed: 02/04/2020

Dichlorodifluoromethane	ND	0.0050	mg/kg wet								
Diisopropyl ether (DIPE)	ND	0.0080	"								
Ethanol	ND	0.080	"								
Ethyl Benzene	ND	0.0050	"								
Ethyl tert-butyl ether (ETBE)	ND	0.0080	"								
Hexachlorobutadiene	ND	0.0050	"								
Iodomethane	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl Methacrylate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
Naphthalene	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-Diethylbenzene	ND	0.0050	"								
p-Ethyltoluene	ND	0.0050	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Amyl alcohol (TAA)	ND	0.080	"								
tert-Amyl methyl ether (TAME)	ND	0.0080	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Tetrahydrofuran	ND	0.010	"								
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 acetate	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Allyl chloride	ND	0.0050	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	54.2		ug/L	50.0		108	77-125				
Surrogate: SURR: Toluene-d8	48.4		"	50.0		96.8	85-120				
Surrogate: SURR: p-Bromofluorobenzene	49.4		"	50.0		98.7	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 BA01479 - EPA 5035A											
LCS (BA01479-BS1)						Prepared & Analyzed: 02/04/2020					
1,1,1,2-Tetrachloroethane	55.4		ug/L	50.0		111	75-129				
1,1,1-Trichloroethane	64.4		"	50.0		129	71-137				
1,1,2,2-Tetrachloroethane	46.3		"	50.0		92.5	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	52.8		"	50.0		106	58-146				
1,1,2-Trichloroethane	48.6		"	50.0		97.2	83-123				
1,1-Dichloroethane	48.4		"	50.0		96.8	75-130				
1,1-Dichloroethylene	53.0		"	50.0		106	64-137				
1,1-Dichloropropylene	54.4		"	50.0		109	77-127				
1,2,3-Trichlorobenzene	55.9		"	50.0		112	81-140				
1,2,3-Trichloropropane	54.5		"	50.0		109	81-126				
1,2,4,5-Tetramethylbenzene	52.4		"	50.0		105	63-156				
1,2,4-Trichlorobenzene	55.8		"	50.0		112	80-141				
1,2,4-Trimethylbenzene	52.3		"	50.0		105	84-125				
1,2-Dibromo-3-chloropropane	50.3		"	50.0		101	74-142				
1,2-Dibromoethane	52.8		"	50.0		106	86-123				
1,2-Dichlorobenzene	50.7		"	50.0		101	85-122				
1,2-Dichloroethane	53.9		"	50.0		108	71-133				
1,2-Dichloropropane	41.3		"	50.0		82.7	81-122				
1,3,5-Trimethylbenzene	52.9		"	50.0		106	82-126				
1,3-Dichlorobenzene	51.7		"	50.0		103	84-124				
1,3-Dichloropropane	47.4		"	50.0		94.7	83-123				
1,4-Dichlorobenzene	51.7		"	50.0		103	84-124				
1,4-Dioxane	1110		"	1050		106	10-228				
2,2-Dichloropropane	48.5		"	50.0		97.0	67-136				
2-Butanone	51.5		"	50.0		103	58-147				
2-Chloroethylvinyl ether	53.2		"	50.0		106	10-166				
2-Chlorotoluene	49.6		"	50.0		99.1	78-127				
2-Hexanone	42.0		"	50.0		84.0	70-139				
4-Chlorotoluene	49.5		"	50.0		99.0	79-125				
4-Methyl-2-pentanone	34.4		"	50.0		68.9	72-132	Low Bias			
Acetone	38.2		"	50.0		76.4	36-155				
Acrolein	94.8		"	500		19.0	10-238				
Acrylonitrile	49.0		"	50.0		98.1	66-141				
Benzene	50.5		"	50.0		101	77-127				
Bromobenzene	47.4		"	50.0		94.8	77-129				
Bromochloromethane	44.2		"	50.0		88.4	74-129				
Bromodichloromethane	51.8		"	50.0		104	81-124				
Bromoform	53.7		"	50.0		107	80-136				
Bromomethane	50.6		"	50.0		101	32-177				
Carbon disulfide	53.1		"	50.0		106	10-136				
Carbon tetrachloride	59.8		"	50.0		120	66-143				
Chlorobenzene	49.8		"	50.0		99.6	86-120				
Chloroethane	52.4		"	50.0		105	51-142				
Chloroform	57.3		"	50.0		115	76-131				
Chloromethane	46.6		"	50.0		93.1	49-132				
cis-1,2-Dichloroethylene	51.2		"	50.0		102	74-132				
cis-1,3-Dichloropropylene	48.2		"	50.0		96.3	81-129				
Cyclohexane	46.4		"	50.0		92.8	70-130				
Dibromochloromethane	52.8		"	50.0		106	10-200				
Dibromomethane	48.9		"	50.0		97.8	83-124				



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 BA01479 - EPA 5035A

LCS (BA01479-BS1)

Prepared & Analyzed: 02/04/2020

Dichlorodifluoromethane	64.7		ug/L	50.0		129	28-158				
Diisopropyl ether (DIPE)	44.3		"	50.0		88.6	70-130				
Ethanol	ND	0.080	mg/kg wet				70-130				
Ethyl Benzene	50.8		ug/L	50.0		102	84-125				
Ethyl tert-butyl ether (ETBE)	50.7		"	50.0		101	70-130				
Hexachlorobutadiene	62.1		"	50.0		124	83-133				
Iodomethane	59.8		"	50.0		120	70-130				
Isopropylbenzene	51.1		"	50.0		102	81-127				
Methyl acetate	41.1		"	50.0		82.2	41-143				
Methyl Methacrylate	43.0		"	50.0		85.9	79-125				
Methyl tert-butyl ether (MTBE)	50.7		"	50.0		101	74-131				
Methylcyclohexane	47.2		"	50.0		94.4	70-130				
Methylene chloride	45.8		"	50.0		91.6	57-141				
Naphthalene	49.1		"	50.0		98.2	86-141				
n-Butylbenzene	54.4		"	50.0		109	80-130				
n-Propylbenzene	49.0		"	50.0		98.0	74-136				
o-Xylene	49.7		"	50.0		99.4	83-123				
p- & m- Xylenes	104		"	100		104	82-128				
p-Diethylbenzene	58.6		"	50.0		117	70-144				
p-Ethyltoluene	52.8		"	50.0		106	84-123				
p-Isopropyltoluene	54.2		"	50.0		108	85-125				
sec-Butylbenzene	53.4		"	50.0		107	83-125				
Styrene	50.7		"	50.0		101	86-126				
tert-Amyl alcohol (TAA)	505		"	500		101	70-130				
tert-Amyl methyl ether (TAME)	51.6		"	50.0		103	70-130				
tert-Butyl alcohol (TBA)	243		"	250		97.2	70-130				
tert-Butylbenzene	47.0		"	50.0		94.0	80-127				
Tetrachloroethylene	54.6		"	50.0		109	80-129				
Tetrahydrofuran	43.1		"	50.0		86.3	64-137				
Toluene	48.8		"	50.0		97.6	85-121				
trans-1,2-Dichloroethylene	53.5		"	50.0		107	72-132				
trans-1,3-Dichloropropylene	47.0		"	50.0		94.1	78-132				
trans-1,4-dichloro-2-butene	48.5		"	50.0		97.0	75-135				
Trichloroethylene	52.4		"	50.0		105	84-123				
Trichlorofluoromethane	52.8		"	50.0		106	62-140				
Vinyl acetate	46.2		"	50.0		92.3	67-136				
Vinyl Chloride	52.8		"	50.0		106	52-130				
Allyl chloride	49.7		"	50.0		99.5	70-130				
Surrogate: SURR: 1,2-Dichloroethane-d4	54.9		"	50.0		110	77-125				
Surrogate: SURR: Toluene-d8	48.8		"	50.0		97.7	85-120				
Surrogate: SURR: p-Bromofluorobenzene	49.8		"	50.0		99.7	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 BA01479 - EPA 5035A											
LCS Dup (BA01479-BSD1)						Prepared & Analyzed: 02/04/2020					
1,1,1,2-Tetrachloroethane	53.5		ug/L	50.0		107	75-129		3.49	30	
1,1,1-Trichloroethane	59.1		"	50.0		118	71-137		8.48	30	
1,1,2,2-Tetrachloroethane	44.2		"	50.0		88.3	79-129		4.67	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	49.8		"	50.0		99.6	58-146		5.94	30	
1,1,2-Trichloroethane	46.7		"	50.0		93.5	83-123		3.94	30	
1,1-Dichloroethane	44.7		"	50.0		89.4	75-130		7.93	30	
1,1-Dichloroethylene	50.8		"	50.0		102	64-137		4.27	30	
1,1-Dichloropropylene	51.2		"	50.0		102	77-127		5.91	30	
1,2,3-Trichlorobenzene	53.5		"	50.0		107	81-140		4.42	30	
1,2,3-Trichloropropane	53.6		"	50.0		107	81-126		1.72	30	
1,2,4,5-Tetramethylbenzene	50.9		"	50.0		102	63-156		2.75	30	
1,2,4-Trichlorobenzene	53.6		"	50.0		107	80-141		4.06	30	
1,2,4-Trimethylbenzene	50.4		"	50.0		101	84-125		3.86	30	
1,2-Dibromo-3-chloropropane	51.9		"	50.0		104	74-142		3.13	30	
1,2-Dibromoethane	50.3		"	50.0		101	86-123		4.81	30	
1,2-Dichlorobenzene	49.8		"	50.0		99.6	85-122		1.81	30	
1,2-Dichloroethane	51.5		"	50.0		103	71-133		4.61	30	
1,2-Dichloropropane	39.1		"	50.0		78.1	81-122	Low Bias	5.62	30	
1,3,5-Trimethylbenzene	50.4		"	50.0		101	82-126		4.78	30	
1,3-Dichlorobenzene	50.0		"	50.0		100	84-124		3.40	30	
1,3-Dichloropropane	45.3		"	50.0		90.5	83-123		4.51	30	
1,4-Dichlorobenzene	49.8		"	50.0		99.6	84-124		3.74	30	
1,4-Dioxane	983		"	1050		93.6	10-228		12.3	30	
2,2-Dichloropropane	46.3		"	50.0		92.6	67-136		4.73	30	
2-Butanone	46.4		"	50.0		92.8	58-147		10.3	30	
2-Chloroethylvinyl ether	50.8		"	50.0		102	10-166		4.54	30	
2-Chlorotoluene	47.6		"	50.0		95.1	78-127		4.12	30	
2-Hexanone	40.2		"	50.0		80.5	70-139		4.30	30	
4-Chlorotoluene	47.6		"	50.0		95.2	79-125		3.91	30	
4-Methyl-2-pentanone	33.4		"	50.0		66.8	72-132	Low Bias	3.01	30	
Acetone	35.6		"	50.0		71.2	36-155		6.99	30	
Acrolein	90.2		"	500		18.0	10-238		4.89	30	
Acrylonitrile	44.6		"	50.0		89.3	66-141		9.37	30	
Benzene	47.2		"	50.0		94.4	77-127		6.68	30	
Bromobenzene	45.6		"	50.0		91.1	77-129		3.89	30	
Bromochloromethane	40.2		"	50.0		80.5	74-129		9.45	30	
Bromodichloromethane	49.1		"	50.0		98.2	81-124		5.27	30	
Bromoform	52.7		"	50.0		105	80-136		2.01	30	
Bromomethane	47.5		"	50.0		94.9	32-177		6.38	30	
Carbon disulfide	49.3		"	50.0		98.6	10-136		7.48	30	
Carbon tetrachloride	56.7		"	50.0		113	66-143		5.30	30	
Chlorobenzene	48.2		"	50.0		96.3	86-120		3.37	30	
Chloroethane	49.5		"	50.0		99.0	51-142		5.77	30	
Chloroform	52.8		"	50.0		106	76-131		8.05	30	
Chloromethane	44.2		"	50.0		88.5	49-132		5.11	30	
cis-1,2-Dichloroethylene	47.8		"	50.0		95.5	74-132		6.99	30	
cis-1,3-Dichloropropylene	46.8		"	50.0		93.7	81-129		2.76	30	
Cyclohexane	43.0		"	50.0		86.1	70-130		7.49	30	
Dibromochloromethane	51.2		"	50.0		102	10-200		3.11	30	
Dibromomethane	46.2		"	50.0		92.3	83-124		5.83	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 BA01479 - EPA 5035A

LCS Dup (BA01479-BSD1)

Prepared & Analyzed: 02/04/2020

Dichlorodifluoromethane	61.2		ug/L	50.0		122	28-158		5.56	30	
Diisopropyl ether (DIPE)	41.1		"	50.0		82.2	70-130		7.47	30	
Ethanol	ND	0.080	mg/kg wet				70-130			30	
Ethyl Benzene	48.0		ug/L	50.0		96.1	84-125		5.55	30	
Ethyl tert-butyl ether (ETBE)	47.5		"	50.0		95.0	70-130		6.52	30	
Hexachlorobutadiene	59.6		"	50.0		119	83-133		3.99	30	
Iodomethane	56.8		"	50.0		114	70-130		5.04	30	
Isopropylbenzene	48.7		"	50.0		97.3	81-127		4.83	30	
Methyl acetate	39.1		"	50.0		78.2	41-143		4.99	30	
Methyl Methacrylate	42.2		"	50.0		84.4	79-125		1.79	30	
Methyl tert-butyl ether (MTBE)	49.0		"	50.0		97.9	74-131		3.57	30	
Methylcyclohexane	44.5		"	50.0		88.9	70-130		5.98	30	
Methylene chloride	43.5		"	50.0		87.0	57-141		5.17	30	
Naphthalene	47.7		"	50.0		95.3	86-141		3.00	30	
n-Butylbenzene	51.4		"	50.0		103	80-130		5.59	30	
n-Propylbenzene	46.8		"	50.0		93.5	74-136		4.68	30	
o-Xylene	47.2		"	50.0		94.4	83-123		5.14	30	
p- & m- Xylenes	98.0		"	100		98.0	82-128		6.06	30	
p-Diethylbenzene	55.7		"	50.0		111	70-144		5.09	30	
p-Ethyltoluene	50.6		"	50.0		101	84-123		4.23	30	
p-Isopropyltoluene	51.4		"	50.0		103	85-125		5.32	30	
sec-Butylbenzene	50.5		"	50.0		101	83-125		5.56	30	
Styrene	48.2		"	50.0		96.4	86-126		4.95	30	
tert-Amyl alcohol (TAA)	487		"	500		97.4	70-130		3.57	30	
tert-Amyl methyl ether (TAME)	48.6		"	50.0		97.2	70-130		6.08	30	
tert-Butyl alcohol (TBA)	234		"	250		93.8	70-130		3.56	30	
tert-Butylbenzene	44.7		"	50.0		89.3	80-127		5.04	30	
Tetrachloroethylene	51.5		"	50.0		103	80-129		5.83	30	
Tetrahydrofuran	39.1		"	50.0		78.2	64-137		9.83	30	
Toluene	46.2		"	50.0		92.4	85-121		5.43	30	
trans-1,2-Dichloroethylene	49.6		"	50.0		99.3	72-132		7.54	30	
trans-1,3-Dichloropropylene	45.2		"	50.0		90.5	78-132		3.92	30	
trans-1,4-dichloro-2-butene	47.2		"	50.0		94.4	75-135		2.74	30	
Trichloroethylene	48.9		"	50.0		97.7	84-123		7.05	30	
Trichlorofluoromethane	49.8		"	50.0		99.6	62-140		5.94	30	
Vinyl acetate	43.4		"	50.0		86.8	67-136		6.14	30	
Vinyl Chloride	48.8		"	50.0		97.6	52-130		7.91	30	
Allyl chloride	48.3		"	50.0		96.6	70-130		2.92	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	53.5		"	50.0		107	77-125				
Surrogate: SURR: Toluene-d8	48.1		"	50.0		96.2	85-120				
Surrogate: SURR: p-Bromofluorobenzene	50.2		"	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 BA01482 - EPA 5030B											
Blank (BA01482-BLK1)										Prepared & Analyzed: 01/31/2020	
1,1,1,2-Tetrachloroethane	ND	0.500	ug/L								
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	"								
1,1-Dichloropropylene	ND	0.500	"								
1,2,3-Trichlorobenzene	ND	0.500	"								
1,2,3-Trichloropropane	ND	0.500	"								
1,2,4,5-Tetramethylbenzene	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	"								
1,3-Dichloropropane	ND	0.500	"								
1,4-Dichlorobenzene	ND	0.500	"								
1,4-Dioxane	ND	80.0	"								
2,2-Dichloropropane	ND	0.500	"								
2-Butanone	ND	0.500	"								
2-Chlorotoluene	ND	0.500	"								
2-Hexanone	ND	0.500	"								
4-Chlorotoluene	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	"								
Bromobenzene	ND	0.500	"								
Bromochloromethane	ND	0.500	"								
Bromodichloromethane	ND	0.500	"								
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	"								



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 BA01482 - EPA 5030B

Blank (BA01482-BLK1)

Prepared & Analyzed: 01/31/2020

Ethyl Benzene	ND	0.500	ug/L
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

9.64

"

10.0

96.4

69-130

Surrogate: SURR: Toluene-d8

9.93

"

10.0

99.3

81-117

Surrogate: SURR: p-Bromofluorobenzene

10.5

"

10.0

105

79-122

LCS (BA01482-BS1)

Prepared & Analyzed: 01/31/2020

1,1,1,2-Tetrachloroethane	10.9		ug/L	10.0	109	82-126
1,1,1-Trichloroethane	11.2		"	10.0	112	78-136
1,1,2,2-Tetrachloroethane	10.5		"	10.0	105	76-129
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.9		"	10.0	119	54-165
1,1,2-Trichloroethane	10.1		"	10.0	101	82-123
1,1-Dichloroethane	10.7		"	10.0	107	82-129
1,1-Dichloroethylene	11.9		"	10.0	119	68-138
1,1-Dichloropropylene	10.9		"	10.0	109	83-133
1,2,3-Trichlorobenzene	6.35		"	10.0	63.5	76-136
1,2,3-Trichloropropane	10.2		"	10.0	102	77-128
1,2,4,5-Tetramethylbenzene	10.1		"	10.0	101	85-140
1,2,4-Trichlorobenzene	7.82		"	10.0	78.2	76-137
1,2,4-Trimethylbenzene	11.4		"	10.0	114	82-132
1,2-Dibromo-3-chloropropane	8.63		"	10.0	86.3	45-147
1,2-Dibromoethane	10.3		"	10.0	103	83-124
1,2-Dichlorobenzene	10.3		"	10.0	103	79-123
1,2-Dichloroethane	10.6		"	10.0	106	73-132
1,2-Dichloropropane	10.4		"	10.0	104	78-126
1,3,5-Trimethylbenzene	11.4		"	10.0	114	80-131
1,3-Dichlorobenzene	10.8		"	10.0	108	86-122
1,3-Dichloropropane	10.3		"	10.0	103	81-125
1,4-Dichlorobenzene	10.6		"	10.0	106	85-124

Low Bias



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 BA01482 - EPA 5030B											
LCS (BA01482-BS1)						Prepared & Analyzed: 01/31/2020					
1,4-Dioxane	408		ug/L	210		194	10-349				
2,2-Dichloropropane	11.5		"	10.0		115	56-150				
2-Butanone	8.70		"	10.0		87.0	49-152				
2-Chlorotoluene	11.2		"	10.0		112	79-130				
2-Hexanone	10.2		"	10.0		102	51-146				
4-Chlorotoluene	11.1		"	10.0		111	79-128				
4-Methyl-2-pentanone	10.0		"	10.0		100	57-145				
Acetone	8.92		"	10.0		89.2	14-150				
Acrolein	19.0		"	100		19.0	10-153				
Acrylonitrile	10.9		"	10.0		109	51-150				
Benzene	10.9		"	10.0		109	85-126				
Bromobenzene	11.1		"	10.0		111	78-129				
Bromochloromethane	11.2		"	10.0		112	77-128				
Bromodichloromethane	10.4		"	10.0		104	79-128				
Bromoform	9.86		"	10.0		98.6	78-133				
Bromomethane	2.33		"	10.0		23.3	43-168	Low Bias			
Carbon disulfide	11.7		"	10.0		117	68-146				
Carbon tetrachloride	11.4		"	10.0		114	77-141				
Chlorobenzene	10.7		"	10.0		107	88-120				
Chloroethane	11.1		"	10.0		111	65-136				
Chloroform	10.6		"	10.0		106	82-128				
Chloromethane	9.06		"	10.0		90.6	43-155				
cis-1,2-Dichloroethylene	10.8		"	10.0		108	83-129				
cis-1,3-Dichloropropylene	10.6		"	10.0		106	80-131				
Cyclohexane	4.83		"	10.0		48.3	63-149	Low Bias			
Dibromochloromethane	10.4		"	10.0		104	80-130				
Dibromomethane	10.3		"	10.0		103	72-134				
Dichlorodifluoromethane	13.0		"	10.0		130	44-144				
Ethyl Benzene	11.0		"	10.0		110	80-131				
Isopropylbenzene	11.0		"	10.0		110	76-140				
Methyl acetate	9.36		"	10.0		93.6	51-139				
Methyl tert-butyl ether (MTBE)	10.3		"	10.0		103	76-135				
Methylcyclohexane	10.2		"	10.0		102	72-143				
Methylene chloride	11.2		"	10.0		112	55-137				
n-Butylbenzene	10.5		"	10.0		105	79-132				
n-Propylbenzene	11.0		"	10.0		110	78-133				
o-Xylene	10.8		"	10.0		108	78-130				
p- & m- Xylenes	22.0		"	20.0		110	77-133				
p-Isopropyltoluene	10.9		"	10.0		109	81-136				
sec-Butylbenzene	11.0		"	10.0		110	79-137				
Styrene	11.0		"	10.0		110	67-132				
tert-Butyl alcohol (TBA)	62.7		"	50.0		125	25-162				
tert-Butylbenzene	9.30		"	10.0		93.0	77-138				
Tetrachloroethylene	9.55		"	10.0		95.5	82-131				
Toluene	10.8		"	10.0		108	80-127				
trans-1,2-Dichloroethylene	11.6		"	10.0		116	80-132				
trans-1,3-Dichloropropylene	10.3		"	10.0		103	78-131				
Trichloroethylene	10.6		"	10.0		106	82-128				
Trichlorofluoromethane	11.5		"	10.0		115	67-139				
Vinyl Chloride	11.5		"	10.0		115	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	9.60		"	10.0		96.0	69-130				



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 BA01482 - EPA 5030B											
LCS (BA01482-BS1)						Prepared & Analyzed: 01/31/2020					
Surrogate: SURR: Toluene-d8	10.0		ug/L	10.0		100	81-117				
Surrogate: SURR: p-Bromofluorobenzene	10.7		"	10.0		107	79-122				
LCS Dup (BA01482-BSD1)						Prepared & Analyzed: 01/31/2020					
1,1,1,2-Tetrachloroethane	10.4		ug/L	10.0		104	82-126		4.59	30	
1,1,1-Trichloroethane	10.3		"	10.0		103	78-136		7.81	30	
1,1,2,2-Tetrachloroethane	10.3		"	10.0		103	76-129		1.64	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.6		"	10.0		106	54-165		11.1	30	
1,1,2-Trichloroethane	9.74		"	10.0		97.4	82-123		3.83	30	
1,1-Dichloroethane	10.1		"	10.0		101	82-129		5.78	30	
1,1-Dichloroethylene	11.0		"	10.0		110	68-138		7.79	30	
1,1-Dichloropropylene	10.1		"	10.0		101	83-133		7.22	30	
1,2,3-Trichlorobenzene	6.76		"	10.0		67.6	76-136	Low Bias	6.25	30	
1,2,3-Trichloropropane	10.1		"	10.0		101	77-128		1.08	30	
1,2,4,5-Tetramethylbenzene	10.0		"	10.0		100	85-140		0.991	30	
1,2,4-Trichlorobenzene	7.99		"	10.0		79.9	76-137		2.15	30	
1,2,4-Trimethylbenzene	11.0		"	10.0		110	82-132		2.95	30	
1,2-Dibromo-3-chloropropane	7.73		"	10.0		77.3	45-147		11.0	30	
1,2-Dibromoethane	9.99		"	10.0		99.9	83-124		2.67	30	
1,2-Dichlorobenzene	10.2		"	10.0		102	79-123		1.56	30	
1,2-Dichloroethane	9.79		"	10.0		97.9	73-132		7.85	30	
1,2-Dichloropropane	9.96		"	10.0		99.6	78-126		4.61	30	
1,3,5-Trimethylbenzene	11.2		"	10.0		112	80-131		1.95	30	
1,3-Dichlorobenzene	10.5		"	10.0		105	86-122		2.44	30	
1,3-Dichloropropane	9.95		"	10.0		99.5	81-125		3.65	30	
1,4-Dichlorobenzene	10.3		"	10.0		103	85-124		3.25	30	
1,4-Dioxane	393		"	210		187	10-349		3.89	30	
2,2-Dichloropropane	10.6		"	10.0		106	56-150		7.98	30	
2-Butanone	9.65		"	10.0		96.5	49-152		10.4	30	
2-Chlorotoluene	10.9		"	10.0		109	79-130		2.63	30	
2-Hexanone	10.1		"	10.0		101	51-146		0.691	30	
4-Chlorotoluene	10.8		"	10.0		108	79-128		2.74	30	
4-Methyl-2-pentanone	9.80		"	10.0		98.0	57-145		2.22	30	
Acetone	8.55		"	10.0		85.5	14-150		4.24	30	
Acrolein	18.6		"	100		18.6	10-153		2.19	30	
Acrylonitrile	10.8		"	10.0		108	51-150		1.02	30	
Benzene	10.3		"	10.0		103	85-126		5.75	30	
Bromobenzene	10.8		"	10.0		108	78-129		2.65	30	
Bromochloromethane	10.4		"	10.0		104	77-128		7.37	30	
Bromodichloromethane	9.95		"	10.0		99.5	79-128		4.33	30	
Bromoform	9.56		"	10.0		95.6	78-133		3.09	30	
Bromomethane	2.37		"	10.0		23.7	43-168	Low Bias	1.70	30	
Carbon disulfide	10.7		"	10.0		107	68-146		8.90	30	
Carbon tetrachloride	10.6		"	10.0		106	77-141		7.29	30	
Chlorobenzene	10.2		"	10.0		102	88-120		4.89	30	
Chloroethane	10.4		"	10.0		104	65-136		5.95	30	
Chloroform	9.74		"	10.0		97.4	82-128		7.98	30	
Chloromethane	8.20		"	10.0		82.0	43-155		9.97	30	
cis-1,2-Dichloroethylene	10.2		"	10.0		102	83-129		6.57	30	
cis-1,3-Dichloropropylene	10.2		"	10.0		102	80-131		4.03	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 BA01482 - EPA 5030B

LCS Dup (BA01482-BSD1)

Prepared & Analyzed: 01/31/2020

Cyclohexane	4.49		ug/L	10.0		44.9	63-149	Low Bias	7.30	30	
Dibromochloromethane	10.0		"	10.0		100	80-130		4.01	30	
Dibromomethane	9.71		"	10.0		97.1	72-134		5.61	30	
Dichlorodifluoromethane	11.5		"	10.0		115	44-144		12.1	30	
Ethyl Benzene	10.5		"	10.0		105	80-131		4.92	30	
Isopropylbenzene	10.9		"	10.0		109	76-140		1.37	30	
Methyl acetate	9.15		"	10.0		91.5	51-139		2.27	30	
Methyl tert-butyl ether (MTBE)	9.88		"	10.0		98.8	76-135		4.36	30	
Methylcyclohexane	9.54		"	10.0		95.4	72-143		6.98	30	
Methylene chloride	10.4		"	10.0		104	55-137		6.76	30	
n-Butylbenzene	10.5		"	10.0		105	79-132		0.0950	30	
n-Propylbenzene	10.9		"	10.0		109	78-133		1.10	30	
o-Xylene	10.2		"	10.0		102	78-130		5.42	30	
p- & m- Xylenes	21.0		"	20.0		105	77-133		4.65	30	
p-Isopropyltoluene	10.8		"	10.0		108	81-136		0.828	30	
sec-Butylbenzene	11.2		"	10.0		112	79-137		1.17	30	
Styrene	10.4		"	10.0		104	67-132		5.13	30	
tert-Butyl alcohol (TBA)	62.1		"	50.0		124	25-162		0.994	30	
tert-Butylbenzene	9.26		"	10.0		92.6	77-138		0.431	30	
Tetrachloroethylene	9.06		"	10.0		90.6	82-131		5.27	30	
Toluene	10.4		"	10.0		104	80-127		4.44	30	
trans-1,2-Dichloroethylene	10.8		"	10.0		108	80-132		6.95	30	
trans-1,3-Dichloropropylene	9.92		"	10.0		99.2	78-131		3.76	30	
Trichloroethylene	10.1		"	10.0		101	82-128		4.64	30	
Trichlorofluoromethane	10.4		"	10.0		104	67-139		10.2	30	
Vinyl Chloride	10.7		"	10.0		107	58-145		7.14	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	9.64		"	10.0		96.4	69-130				
Surrogate: SURR: Toluene-d8	10.1		"	10.0		101	81-117				
Surrogate: SURR: p-Bromofluorobenzene	10.6		"	10.0		106	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 BA01494 - EPA 3550C

Blank (BA01494-BLK1)

Prepared: 01/31/2020 Analyzed: 02/03/2020

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 BA01494 - EPA 3550C

Blank (BA01494-BLK1)

Prepared: 01/31/2020 Analyzed: 02/03/2020

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	ND	0.0416	"								
Dimethyl phthalate	ND	0.0416	"								
Di-n-butyl phthalate	ND	0.0416	"								
Di-n-octyl phthalate	ND	0.0416	"								
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	1.10		"	1.66		66.1	20-108				
Surrogate: SURR: Phenol-d5	1.04		"	1.66		62.9	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.549		"	0.831		66.0	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.509		"	0.831		61.3	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	0.805		"	1.66		48.4	19-110				
Surrogate: SURR: Terphenyl-d14	0.543		"	0.831		65.4	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 BA01494 - EPA 3550C											
LCS (BA01494-BS1)						Prepared: 01/31/2020 Analyzed: 02/03/2020					
1,1-Biphenyl	0.403	0.0416	mg/kg wet	0.831		48.5	18-111				
1,2,4,5-Tetrachlorobenzene	0.443	0.0830	"	0.839		52.8	21-131				
1,2,4-Trichlorobenzene	0.387	0.0416	"	0.831		46.6	10-140				
1,2-Dichlorobenzene	0.480	0.0416	"	0.831		57.8	34-108				
1,2-Diphenylhydrazine (as Azobenzene)	0.435	0.0416	"	0.831		52.4	17-137				
1,3-Dichlorobenzene	0.495	0.0416	"	0.831		59.6	33-110				
1,4-Dichlorobenzene	0.490	0.0416	"	0.831		59.0	32-104				
2,3,4,6-Tetrachlorophenol	0.490	0.0830	"	0.831		59.0	30-130				
2,4,5-Trichlorophenol	0.356	0.0416	"	0.831		42.8	27-118				
2,4,6-Trichlorophenol	0.417	0.0416	"	0.831		50.2	31-120				
2,4-Dichlorophenol	0.416	0.0416	"	0.831		50.1	20-127				
2,4-Dimethylphenol	0.390	0.0416	"	0.831		46.9	14-132				
2,4-Dinitrophenol	0.153	0.0830	"	0.831		18.4	10-171				
2,4-Dinitrotoluene	0.527	0.0416	"	0.831		63.4	34-131				
2,6-Dinitrotoluene	0.547	0.0416	"	0.831		65.8	31-128				
2-Chloronaphthalene	0.441	0.0416	"	0.831		53.0	31-117				
2-Chlorophenol	0.486	0.0416	"	0.831		58.6	33-113				
2-Methylnaphthalene	0.445	0.0416	"	0.831		53.6	12-138				
2-Methylphenol	0.430	0.0416	"	0.831		51.7	10-136				
2-Nitroaniline	0.571	0.0830	"	0.831		68.8	27-132				
2-Nitrophenol	0.417	0.0416	"	0.831		50.2	17-129				
3- & 4-Methylphenols	0.403	0.0416	"	0.831		48.5	29-103				
3,3-Dichlorobenzidine	0.521	0.0416	"	0.831		62.8	22-149				
3-Nitroaniline	0.449	0.0830	"	0.831		54.0	20-133				
4,6-Dinitro-2-methylphenol	0.274	0.0830	"	0.831		33.0	10-143				
4-Bromophenyl phenyl ether	0.396	0.0416	"	0.831		47.6	29-120				
4-Chloro-3-methylphenol	0.446	0.0416	"	0.831		53.7	24-129				
4-Chloroaniline	0.307	0.0416	"	0.831		37.0	10-132				
4-Chlorophenyl phenyl ether	0.442	0.0416	"	0.831		53.2	27-124				
4-Nitroaniline	0.544	0.0830	"	0.831		65.5	16-128				
4-Nitrophenol	0.469	0.0830	"	0.831		56.5	10-141				
Acenaphthene	0.431	0.0416	"	0.831		51.9	30-121				
Acenaphthylene	0.444	0.0416	"	0.831		53.4	30-115				
Acetophenone	0.498	0.0416	"	0.831		60.0	20-112				
Aniline	0.463	0.166	"	0.831		55.7	10-119				
Anthracene	0.444	0.0416	"	0.831		53.5	34-118				
Atrazine	0.346	0.0416	"	0.831		41.6	26-112				
Benzaldehyde	0.533	0.0416	"	0.831		64.2	21-100				
Benzo(a)anthracene	0.445	0.0416	"	0.831		53.6	32-122				
Benzo(a)pyrene	0.430	0.0416	"	0.831		51.7	29-133				
Benzo(b)fluoranthene	0.459	0.0416	"	0.831		55.3	25-133				
Benzo(g,h,i)perylene	0.423	0.0416	"	0.831		51.0	10-143				
Benzo(k)fluoranthene	0.416	0.0416	"	0.831		50.1	25-128				
Benzoic acid	0.0897	0.0416	"	0.831		10.8	10-140				
Benzyl alcohol	0.552	0.0416	"	0.831		66.5	30-115				
Benzyl butyl phthalate	0.533	0.0416	"	0.831		64.2	26-126				
Bis(2-chloroethoxy)methane	0.407	0.0416	"	0.831		49.0	19-132				
Bis(2-chloroethyl)ether	0.493	0.0416	"	0.831		59.4	19-125				
Bis(2-chloroisopropyl)ether	0.530	0.0416	"	0.831		63.8	20-135				
Bis(2-ethylhexyl)phthalate	0.544	0.0416	"	0.831		65.5	10-155				
Caprolactam	0.343	0.0830	"	0.831		41.3	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 BA01494 - EPA 3550C

LCS (BA01494-BS1)

Prepared: 01/31/2020 Analyzed: 02/03/2020

Carbazole	0.449	0.0416	mg/kg wet	0.831		54.0	35-123				
Chrysene	0.433	0.0416	"	0.831		52.1	32-123				
Dibenzo(a,h)anthracene	0.436	0.0416	"	0.831		52.4	10-136				
Dibenzofuran	0.485	0.0416	"	0.831		58.4	29-121				
Diethyl phthalate	0.512	0.0416	"	0.831		61.6	34-116				
Dimethyl phthalate	0.483	0.0416	"	0.831		58.2	35-124				
Di-n-butyl phthalate	0.476	0.0416	"	0.831		57.3	31-116				
Di-n-octyl phthalate	0.623	0.0416	"	0.831		75.0	26-136				
Fluoranthene	0.447	0.0416	"	0.831		53.8	33-122				
Fluorene	0.459	0.0416	"	0.831		55.3	29-123				
Hexachlorobenzene	0.466	0.0416	"	0.831		56.1	21-124				
Hexachlorobutadiene	0.441	0.0416	"	0.831		53.0	10-149				
Hexachlorocyclopentadiene	0.116	0.0416	"	0.831		14.0	10-129				
Hexachloroethane	0.521	0.0416	"	0.831		62.8	28-108				
Indeno(1,2,3-cd)pyrene	0.430	0.0416	"	0.831		51.8	10-135				
Isophorone	0.463	0.0416	"	0.831		55.8	20-132				
Naphthalene	0.412	0.0416	"	0.831		49.6	23-124				
Nitrobenzene	0.512	0.0416	"	0.831		61.7	13-132				
N-Nitrosodimethylamine	0.493	0.0416	"	0.831		59.4	11-129				
N-nitroso-di-n-propylamine	0.533	0.0416	"	0.831		64.2	24-119				
N-Nitrosodiphenylamine	0.404	0.0416	"	0.831		48.7	22-152				
Pentachlorophenol	0.195	0.0416	"	0.831		23.4	10-139				
Phenanthrene	0.445	0.0416	"	0.831		53.6	33-123				
Phenol	0.537	0.0416	"	0.831		64.7	23-115				
Pyrene	0.480	0.0416	"	0.831		57.8	32-130				
Pyridine	0.440	0.166	"	0.831		53.0	10-91				
Surrogate: SURR: 2-Fluorophenol	0.993		"	1.66		59.8	20-108				
Surrogate: SURR: Phenol-d5	0.934		"	1.66		56.2	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.499		"	0.831		60.0	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.442		"	0.831		53.2	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	0.768		"	1.66		46.2	19-110				
Surrogate: SURR: Terphenyl-d14	0.498		"	0.831		60.0	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 BA01494 - EPA 3550C											
Matrix Spike (BA01494-MS1)	*Source sample: 20A1033-08 (GB-6 (4-8))						Prepared: 01/31/2020 Analyzed: 02/03/2020				
1,1-Biphenyl	0.633	0.0963	mg/kg dry	0.962	ND	65.8	10-130				
1,2,4,5-Tetrachlorobenzene	0.765	0.192	"	0.972	ND	78.7	10-133				
1,2,4-Trichlorobenzene	0.617	0.0963	"	0.962	ND	64.2	10-127				
1,2-Dichlorobenzene	0.772	0.0963	"	0.962	ND	80.2	14-111				
1,2-Diphenylhydrazine (as Azobenzene)	0.703	0.0963	"	0.962	ND	73.0	10-144				
1,3-Dichlorobenzene	0.782	0.0963	"	0.962	ND	81.3	11-111				
1,4-Dichlorobenzene	0.777	0.0963	"	0.962	ND	80.8	10-106				
2,3,4,6-Tetrachlorophenol	0.771	0.192	"	0.962	ND	80.2	30-130				
2,4,5-Trichlorophenol	0.616	0.0963	"	0.962	ND	64.1	10-127				
2,4,6-Trichlorophenol	0.682	0.0963	"	0.962	ND	70.9	10-132				
2,4-Dichlorophenol	0.620	0.0963	"	0.962	ND	64.5	10-128				
2,4-Dimethylphenol	0.582	0.0963	"	0.962	ND	60.5	10-137				
2,4-Dinitrophenol	ND	0.192	"	0.962	ND		10-171	Low Bias			
2,4-Dinitrotoluene	0.683	0.0963	"	0.962	ND	71.0	16-135				
2,6-Dinitrotoluene	0.785	0.0963	"	0.962	ND	81.6	18-131				
2-Chloronaphthalene	0.736	0.0963	"	0.962	ND	76.6	10-129				
2-Chlorophenol	0.793	0.0963	"	0.962	ND	82.5	15-116				
2-Methylnaphthalene	0.699	0.0963	"	0.962	ND	72.7	10-147				
2-Methylphenol	0.705	0.0963	"	0.962	ND	73.3	10-136				
2-Nitroaniline	0.937	0.192	"	0.962	ND	97.4	10-137				
2-Nitrophenol	0.538	0.0963	"	0.962	ND	55.9	10-129				
3- & 4-Methylphenols	0.656	0.0963	"	0.962	ND	68.2	10-123				
3,3-Dichlorobenzidine	0.937	0.0963	"	0.962	ND	97.4	10-155				
3-Nitroaniline	0.870	0.192	"	0.962	ND	90.5	12-133				
4,6-Dinitro-2-methylphenol	ND	0.192	"	0.962	ND		10-155	Low Bias			
4-Bromophenyl phenyl ether	0.615	0.0963	"	0.962	ND	63.9	14-128				
4-Chloro-3-methylphenol	0.648	0.0963	"	0.962	ND	67.4	10-134				
4-Chloroaniline	0.589	0.0963	"	0.962	ND	61.3	10-145				
4-Chlorophenyl phenyl ether	0.717	0.0963	"	0.962	ND	74.6	14-130				
4-Nitroaniline	0.985	0.192	"	0.962	ND	102	10-147				
4-Nitrophenol	0.800	0.192	"	0.962	ND	83.1	10-137				
Acenaphthene	0.732	0.0963	"	0.962	ND	76.1	10-146				
Acenaphthylene	0.756	0.0963	"	0.962	ND	78.6	10-134				
Acetophenone	0.844	0.0963	"	0.962	ND	87.8	10-116				
Aniline	0.733	0.386	"	0.962	ND	76.2	10-123				
Anthracene	0.766	0.0963	"	0.962	ND	79.6	10-142				
Atrazine	0.502	0.0963	"	0.962	ND	52.2	19-115				
Benzaldehyde	0.886	0.0963	"	0.962	ND	92.2	10-125				
Benzo(a)anthracene	0.808	0.0963	"	0.962	0.0496	78.8	10-158				
Benzo(a)pyrene	0.718	0.0963	"	0.962	ND	74.6	10-180				
Benzo(b)fluoranthene	0.725	0.0963	"	0.962	ND	75.4	10-200				
Benzo(g,h,i)perylene	0.755	0.0963	"	0.962	ND	78.5	10-138				
Benzo(k)fluoranthene	0.689	0.0963	"	0.962	ND	71.6	10-197				
Benzoic acid	0.0669	0.0963	"	0.962	ND	6.96	10-166	Low Bias			
Benzyl alcohol	0.836	0.0963	"	0.962	ND	87.0	12-124				
Benzyl butyl phthalate	0.866	0.0963	"	0.962	ND	90.0	10-154				
Bis(2-chloroethoxy)methane	0.619	0.0963	"	0.962	ND	64.4	10-132				
Bis(2-chloroethyl)ether	0.833	0.0963	"	0.962	ND	86.6	10-119				
Bis(2-chloroisopropyl)ether	0.861	0.0963	"	0.962	ND	89.5	10-139				
Bis(2-ethylhexyl)phthalate	0.866	0.0963	"	0.962	ND	90.1	10-167				
Caprolactam	0.535	0.192	"	0.962	ND	55.6	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 BA01494 - EPA 3550C

Matrix Spike (BA01494-MS1)		*Source sample: 20A1033-08 (GB-6 (4-8))					Prepared: 01/31/2020 Analyzed: 02/03/2020				
Carbazole	0.730	0.0963	mg/kg dry	0.962	ND	75.8	10-167				
Chrysene	0.777	0.0963	"	0.962	0.0511	75.5	10-156				
Dibenzo(a,h)anthracene	0.735	0.0963	"	0.962	ND	76.4	10-137				
Dibenzofuran	0.806	0.0963	"	0.962	ND	83.8	10-147				
Diethyl phthalate	0.818	0.0963	"	0.962	ND	85.0	20-120				
Dimethyl phthalate	0.771	0.0963	"	0.962	ND	80.2	18-131				
Di-n-butyl phthalate	0.758	0.0963	"	0.962	ND	78.8	10-137				
Di-n-octyl phthalate	0.987	0.0963	"	0.962	ND	103	10-180				
Fluoranthene	0.900	0.0963	"	0.962	0.0937	83.9	10-160				
Fluorene	0.776	0.0963	"	0.962	ND	80.7	10-157				
Hexachlorobenzene	0.799	0.0963	"	0.962	ND	83.0	10-137				
Hexachlorobutadiene	0.672	0.0963	"	0.962	ND	69.8	10-132				
Hexachlorocyclopentadiene	ND	0.0963	"	0.962	ND		10-106	Low Bias			
Hexachloroethane	0.602	0.0963	"	0.962	ND	62.6	10-110				
Indeno(1,2,3-cd)pyrene	0.779	0.0963	"	0.962	ND	81.0	10-144				
Isophorone	0.734	0.0963	"	0.962	ND	76.3	10-132				
Naphthalene	0.654	0.0963	"	0.962	ND	68.0	10-141				
Nitrobenzene	0.798	0.0963	"	0.962	ND	83.0	10-131				
N-Nitrosodimethylamine	0.719	0.0963	"	0.962	ND	74.7	10-126				
N-nitroso-di-n-propylamine	0.880	0.0963	"	0.962	ND	91.5	10-125				
N-Nitrosodiphenylamine	0.633	0.0963	"	0.962	ND	65.8	10-177				
Pentachlorophenol	0.275	0.0963	"	0.962	ND	28.6	10-153				
Phenanthrene	0.867	0.0963	"	0.962	0.0674	83.2	10-148				
Phenol	0.880	0.0963	"	0.962	ND	91.4	10-126				
Pyrene	0.992	0.0963	"	0.962	0.0922	93.5	10-165				
Pyridine	0.700	0.386	"	0.962	ND	72.8	10-83				
Surrogate: SURR: 2-Fluorophenol	1.67		"	1.92		86.6	20-108				
Surrogate: SURR: Phenol-d5	1.59		"	1.92		82.8	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.832		"	0.962		86.5	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.771		"	0.962		80.2	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	1.28		"	1.92		66.5	19-110				
Surrogate: SURR: Terphenyl-d14	0.861		"	0.962		89.5	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 BA01494 - EPA 3550C											
Matrix Spike Dup (BA01494-MSD1)		*Source sample: 20A1033-08 (GB-6 (4-8))					Prepared: 01/31/2020 Analyzed: 02/03/2020				
1,1-Biphenyl	0.548	0.0960	mg/kg dry	0.959	ND	57.2	10-130		14.3	30	
1,2,4,5-Tetrachlorobenzene	0.623	0.192	"	0.968	ND	64.3	10-133		20.5	30	
1,2,4-Trichlorobenzene	0.558	0.0960	"	0.959	ND	58.2	10-127		10.1	30	
1,2-Dichlorobenzene	0.672	0.0960	"	0.959	ND	70.1	14-111		13.8	30	
1,2-Diphenylhydrazine (as Azobenzene)	0.624	0.0960	"	0.959	ND	65.0	10-144		11.9	30	
1,3-Dichlorobenzene	0.634	0.0960	"	0.959	ND	66.1	11-111		21.0	30	
1,4-Dichlorobenzene	0.657	0.0960	"	0.959	ND	68.5	10-106		16.8	30	
2,3,4,6-Tetrachlorophenol	0.749	0.192	"	0.959	ND	78.1	30-130		2.96	30	
2,4,5-Trichlorophenol	0.551	0.0960	"	0.959	ND	57.4	10-127		11.3	30	
2,4,6-Trichlorophenol	0.614	0.0960	"	0.959	ND	64.1	10-132		10.4	30	
2,4-Dichlorophenol	0.571	0.0960	"	0.959	ND	59.5	10-128		8.33	30	
2,4-Dimethylphenol	0.466	0.0960	"	0.959	ND	48.6	10-137		22.2	30	
2,4-Dinitrophenol	ND	0.192	"	0.959	ND		10-171	Low Bias		30	
2,4-Dinitrotoluene	0.635	0.0960	"	0.959	ND	66.2	16-135		7.21	30	
2,6-Dinitrotoluene	0.698	0.0960	"	0.959	ND	72.8	18-131		11.7	30	
2-Chloronaphthalene	0.622	0.0960	"	0.959	ND	64.9	10-129		16.8	30	
2-Chlorophenol	0.672	0.0960	"	0.959	ND	70.1	15-116		16.6	30	
2-Methylnaphthalene	0.629	0.0960	"	0.959	ND	65.6	10-147		10.6	30	
2-Methylphenol	0.612	0.0960	"	0.959	ND	63.8	10-136		14.1	30	
2-Nitroaniline	0.871	0.192	"	0.959	ND	90.9	10-137		7.21	30	
2-Nitrophenol	0.476	0.0960	"	0.959	ND	49.7	10-129		12.1	30	
3- & 4-Methylphenols	0.560	0.0960	"	0.959	ND	58.4	10-123		15.9	30	
3,3-Dichlorobenzidine	0.688	0.0960	"	0.959	ND	71.8	10-155		30.6	30	Non-dir.
3-Nitroaniline	0.731	0.192	"	0.959	ND	76.2	12-133		17.4	30	
4,6-Dinitro-2-methylphenol	ND	0.192	"	0.959	ND		10-155	Low Bias		30	
4-Bromophenyl phenyl ether	0.537	0.0960	"	0.959	ND	56.0	14-128		13.5	30	
4-Chloro-3-methylphenol	0.641	0.0960	"	0.959	ND	66.9	10-134		1.04	30	
4-Chloroaniline	0.487	0.0960	"	0.959	ND	50.8	10-145		19.0	30	
4-Chlorophenyl phenyl ether	0.627	0.0960	"	0.959	ND	65.4	14-130		13.4	30	
4-Nitroaniline	0.848	0.192	"	0.959	ND	88.4	10-147		15.0	30	
4-Nitrophenol	0.681	0.192	"	0.959	ND	71.0	10-137		16.0	30	
Acenaphthene	0.670	0.0960	"	0.959	ND	69.8	10-146		8.88	30	
Acenaphthylene	0.697	0.0960	"	0.959	ND	72.7	10-134		8.05	30	
Acetophenone	0.735	0.0960	"	0.959	ND	76.6	10-116		13.9	30	
Aniline	0.589	0.384	"	0.959	ND	61.4	10-123		21.8	30	
Anthracene	0.783	0.0960	"	0.959	ND	81.7	10-142		2.25	30	
Atrazine	0.469	0.0960	"	0.959	ND	49.0	19-115		6.66	30	
Benzaldehyde	0.732	0.0960	"	0.959	ND	76.4	10-125		19.0	30	
Benzo(a)anthracene	1.00	0.0960	"	0.959	0.0496	99.1	10-158		21.3	30	
Benzo(a)pyrene	0.896	0.0960	"	0.959	ND	93.4	10-180		22.0	30	
Benzo(b)fluoranthene	0.916	0.0960	"	0.959	ND	95.5	10-200		23.3	30	
Benzo(g,h,i)perylene	0.854	0.0960	"	0.959	ND	89.0	10-138		12.3	30	
Benzo(k)fluoranthene	0.827	0.0960	"	0.959	ND	86.2	10-197		18.2	30	
Benzoic acid	0.0644	0.0960	"	0.959	ND	6.72	10-166	Low Bias	3.84	30	
Benzyl alcohol	0.754	0.0960	"	0.959	ND	78.6	12-124		10.4	30	
Benzyl butyl phthalate	0.779	0.0960	"	0.959	ND	81.3	10-154		10.5	30	
Bis(2-chloroethoxy)methane	0.532	0.0960	"	0.959	ND	55.4	10-132		15.3	30	
Bis(2-chloroethyl)ether	0.680	0.0960	"	0.959	ND	70.9	10-119		20.2	30	
Bis(2-chloroisopropyl)ether	0.749	0.0960	"	0.959	ND	78.2	10-139		13.9	30	
Bis(2-ethylhexyl)phthalate	0.815	0.0960	"	0.959	ND	85.0	10-167		6.09	30	
Caprolactam	0.498	0.192	"	0.959	ND	51.9	10-132		7.17	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 BA01494 - EPA 3550C											
Matrix Spike Dup (BA01494-MSD1)	*Source sample: 20A1033-08 (GB-6 (4-8))						Prepared: 01/31/2020 Analyzed: 02/03/2020				
Carbazole	0.696	0.0960	mg/kg dry	0.959	ND	72.6	10-167		4.64	30	
Chrysene	0.990	0.0960	"	0.959	0.0511	97.9	10-156		24.1	30	
Dibenzo(a,h)anthracene	0.739	0.0960	"	0.959	ND	77.1	10-137		0.608	30	
Dibenzofuran	0.726	0.0960	"	0.959	ND	75.8	10-147		10.5	30	
Diethyl phthalate	0.722	0.0960	"	0.959	ND	75.3	20-120		12.5	30	
Dimethyl phthalate	0.680	0.0960	"	0.959	ND	70.9	18-131		12.6	30	
Di-n-butyl phthalate	0.680	0.0960	"	0.959	ND	71.0	10-137		10.8	30	
Di-n-octyl phthalate	0.916	0.0960	"	0.959	ND	95.5	10-180		7.44	30	
Fluoranthene	1.34	0.0960	"	0.959	0.0937	130	10-160		39.2	30	Non-dir.
Fluorene	0.742	0.0960	"	0.959	ND	77.4	10-157		4.58	30	
Hexachlorobenzene	0.708	0.0960	"	0.959	ND	73.8	10-137		12.1	30	
Hexachlorobutadiene	0.574	0.0960	"	0.959	ND	59.9	10-132		15.6	30	
Hexachlorocyclopentadiene	ND	0.0960	"	0.959	ND		10-106	Low Bias		30	
Hexachloroethane	0.498	0.0960	"	0.959	ND	51.9	10-110		18.9	30	
Indeno(1,2,3-cd)pyrene	0.825	0.0960	"	0.959	ND	86.1	10-144		5.80	30	
Isophorone	0.647	0.0960	"	0.959	ND	67.4	10-132		12.7	30	
Naphthalene	0.597	0.0960	"	0.959	ND	62.2	10-141		9.17	30	
Nitrobenzene	0.686	0.0960	"	0.959	ND	71.6	10-131		15.0	30	
N-Nitrosodimethylamine	0.609	0.0960	"	0.959	ND	63.5	10-126		16.5	30	
N-nitroso-di-n-propylamine	0.775	0.0960	"	0.959	ND	80.9	10-125		12.7	30	
N-Nitrosodiphenylamine	0.613	0.0960	"	0.959	ND	63.9	10-177		3.29	30	
Pentachlorophenol	0.265	0.0960	"	0.959	ND	27.7	10-153		3.74	30	
Phenanthrene	1.19	0.0960	"	0.959	0.0674	117	10-148		31.3	30	Non-dir.
Phenol	0.765	0.0960	"	0.959	ND	79.8	10-126		13.9	30	
Pyrene	1.48	0.0960	"	0.959	0.0922	145	10-165		39.5	30	Non-dir.
Pyridine	0.524	0.384	"	0.959	ND	54.6	10-83		28.8	30	
Surrogate: SURR: 2-Fluorophenol	1.38		"	1.92		72.0	20-108				
Surrogate: SURR: Phenol-d5	1.38		"	1.92		72.1	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.718		"	0.959		74.9	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.660		"	0.959		68.9	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	1.13		"	1.92		58.9	19-110				
Surrogate: SURR: Terphenyl-d14	0.770		"	0.959		80.3	24-116				



Semivolatile Organic Compounds by GC/MS/SIM - 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 BB00006 - EPA 3550C

Blank (BB00006-BLK1)

Prepared: 02/03/2020 Analyzed: 02/06/2020

1,4-Dioxane	ND	10.0	ug/kg								
Surrogate: 1,4-Dioxane-d8	210		"	250		84.0	39-88				

LCS (BB00006-BS1)

Prepared: 02/03/2020 Analyzed: 02/06/2020

1,4-Dioxane	120	10.0	ug/kg	250		48.0	40-130				
Surrogate: 1,4-Dioxane-d8	220		"	250		88.0	39-88				



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 BA01384 - EPA 3550C

Blank (BA01384-BLK1)

Prepared: 01/30/2020 Analyzed: 01/31/2020

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	"								
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	0.00164	"								
Toxaphene	ND	0.164	"								
Chlordane, total	ND	0.0329	"								
Surrogate: Decachlorobiphenyl	0.0569		"	0.0664		85.6	30-150				
Surrogate: Tetrachloro-m-xylene	0.0586		"	0.0664		88.3	30-150				

LCS (BA01384-BS1)

Prepared: 01/30/2020 Analyzed: 01/31/2020

4,4'-DDD	0.0228	0.00164	mg/kg wet	0.0332		68.5	40-140				
4,4'-DDE	0.0207	0.00164	"	0.0332		62.3	40-140				
4,4'-DDT	0.0249	0.00164	"	0.0332		74.8	40-140				
Aldrin	0.0286	0.00164	"	0.0332		86.1	40-140				
alpha-BHC	0.0285	0.00164	"	0.0332		85.8	40-140				
alpha-Chlordane	0.0273	0.00164	"	0.0332		82.3	40-140				
beta-BHC	0.0265	0.00164	"	0.0332		79.8	40-140				
delta-BHC	0.0275	0.00164	"	0.0332		82.7	40-140				
Dieldrin	0.0274	0.00164	"	0.0332		82.6	40-140				
Endosulfan I	0.0282	0.00164	"	0.0332		84.8	40-140				
Endosulfan II	0.0240	0.00164	"	0.0332		72.3	40-140				
Endosulfan sulfate	0.0255	0.00164	"	0.0332		76.6	40-140				
Endrin	0.0269	0.00164	"	0.0332		80.9	40-140				
Endrin aldehyde	0.0227	0.00164	"	0.0332		68.4	40-140				
Endrin ketone	0.0294	0.00164	"	0.0332		88.5	40-140				
gamma-BHC (Lindane)	0.0302	0.00164	"	0.0332		90.8	40-140				
gamma-Chlordane	0.0274	0.00164	"	0.0332		82.6	40-140				
Heptachlor	0.0289	0.00164	"	0.0332		87.0	40-140				
Heptachlor epoxide	0.0267	0.00164	"	0.0332		80.3	40-140				
Methoxychlor	0.0278	0.00164	"	0.0332		83.6	40-140				
Surrogate: Decachlorobiphenyl	0.0573		"	0.0664		86.3	30-150				
Surrogate: Tetrachloro-m-xylene	0.0596		"	0.0664		89.7	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 BA01452 - EPA 3550C

Blank (BA01452-BLK1)

Prepared: 01/31/2020 Analyzed: 02/03/2020

4,4'-DDD	ND	0.00165	mg/kg wet								
4,4'-DDE	ND	0.00165	"								
4,4'-DDT	ND	0.00165	"								
Aldrin	ND	0.00165	"								
alpha-BHC	ND	0.00165	"								
alpha-Chlordane	ND	0.00165	"								
beta-BHC	ND	0.00165	"								
delta-BHC	ND	0.00165	"								
Dieldrin	ND	0.00165	"								
Endosulfan I	ND	0.00165	"								
Endosulfan II	ND	0.00165	"								
Endosulfan sulfate	ND	0.00165	"								
Endrin	ND	0.00165	"								
Endrin aldehyde	ND	0.00165	"								
Endrin ketone	ND	0.00165	"								
gamma-BHC (Lindane)	ND	0.00165	"								
gamma-Chlordane	ND	0.00165	"								
Heptachlor	ND	0.00165	"								
Heptachlor epoxide	ND	0.00165	"								
Methoxychlor	ND	0.00165	"								
Toxaphene	ND	0.165	"								
Chlordane, total	ND	0.0330	"								
Surrogate: Decachlorobiphenyl	0.0597		"	0.0667		89.6	30-150				
Surrogate: Tetrachloro-m-xylene	0.0625		"	0.0667		93.8	30-150				

LCS (BA01452-BS1)

Prepared: 01/31/2020 Analyzed: 02/03/2020

4,4'-DDD	0.0247	0.00165	mg/kg wet	0.0333		74.0	40-140				
4,4'-DDE	0.0248	0.00165	"	0.0333		74.5	40-140				
4,4'-DDT	0.0262	0.00165	"	0.0333		78.6	40-140				
Aldrin	0.0284	0.00165	"	0.0333		85.2	40-140				
alpha-BHC	0.0275	0.00165	"	0.0333		82.5	40-140				
alpha-Chlordane	0.0256	0.00165	"	0.0333		76.7	40-140				
beta-BHC	0.0275	0.00165	"	0.0333		82.6	40-140				
delta-BHC	0.0281	0.00165	"	0.0333		84.4	40-140				
Dieldrin	0.0273	0.00165	"	0.0333		82.0	40-140				
Endosulfan I	0.0252	0.00165	"	0.0333		75.7	40-140				
Endosulfan II	0.0259	0.00165	"	0.0333		77.7	40-140				
Endosulfan sulfate	0.0272	0.00165	"	0.0333		81.5	40-140				
Endrin	0.0274	0.00165	"	0.0333		82.1	40-140				
Endrin aldehyde	0.0228	0.00165	"	0.0333		68.4	40-140				
Endrin ketone	0.0303	0.00165	"	0.0333		90.8	40-140				
gamma-BHC (Lindane)	0.0290	0.00165	"	0.0333		87.0	40-140				
gamma-Chlordane	0.0254	0.00165	"	0.0333		76.3	40-140				
Heptachlor	0.0281	0.00165	"	0.0333		84.2	40-140				
Heptachlor epoxide	0.0261	0.00165	"	0.0333		78.2	40-140				
Methoxychlor	0.0284	0.00165	"	0.0333		85.2	40-140				
Surrogate: Decachlorobiphenyl	0.0515		"	0.0667		77.3	30-150				
Surrogate: Tetrachloro-m-xylene	0.0541		"	0.0667		81.1	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 BA01452 - EPA 3550C

Matrix Spike (BA01452-MS1)		*Source sample: 20A1033-08 (GB-6 (4-8))					Prepared: 01/31/2020 Analyzed: 02/03/2020				
4,4'-DDD	0.0187	0.00192	mg/kg dry	0.0389	ND	48.0	30-150				
4,4'-DDE	0.0181	0.00192	"	0.0389	ND	46.6	30-150				
4,4'-DDT	0.0198	0.00192	"	0.0389	ND	51.0	30-150				
Aldrin	0.0201	0.00192	"	0.0389	ND	51.7	30-150				
alpha-BHC	0.0228	0.00192	"	0.0389	ND	58.8	30-150				
alpha-Chlordane	0.0208	0.00192	"	0.0389	ND	53.6	30-150				
beta-BHC	0.0207	0.00192	"	0.0389	ND	53.2	30-150				
delta-BHC	0.0184	0.00192	"	0.0389	ND	47.3	30-150				
Dieldrin	0.0217	0.00192	"	0.0389	ND	55.9	30-150				
Endosulfan I	0.0193	0.00192	"	0.0389	ND	49.6	30-150				
Endosulfan II	0.0193	0.00192	"	0.0389	ND	49.6	30-150				
Endosulfan sulfate	0.0187	0.00192	"	0.0389	ND	48.0	30-150				
Endrin	0.0211	0.00192	"	0.0389	ND	54.4	30-150				
Endrin aldehyde	0.0176	0.00192	"	0.0389	ND	45.3	30-150				
Endrin ketone	0.0228	0.00192	"	0.0389	ND	58.7	30-150				
gamma-BHC (Lindane)	0.0237	0.00192	"	0.0389	ND	61.1	30-150				
gamma-Chlordane	0.0209	0.00192	"	0.0389	ND	53.8	30-150				
Heptachlor	0.0219	0.00192	"	0.0389	ND	56.5	30-150				
Heptachlor epoxide	0.0209	0.00192	"	0.0389	ND	53.7	30-150				
Methoxychlor	0.0219	0.00192	"	0.0389	ND	56.3	30-150				
Surrogate: Decachlorobiphenyl	0.0540		"	0.0777		69.5	30-150				
Surrogate: Tetrachloro-m-xylene	0.0543		"	0.0777		69.9	30-150				

Matrix Spike Dup (BA01452-MSD1)		*Source sample: 20A1033-08 (GB-6 (4-8))					Prepared: 01/31/2020 Analyzed: 02/03/2020				
4,4'-DDD	0.0212	0.00192	mg/kg dry	0.0389	ND	54.5	30-150	12.7	30		
4,4'-DDE	0.0199	0.00192	"	0.0389	ND	51.3	30-150	9.68	30		
4,4'-DDT	0.0240	0.00192	"	0.0389	ND	61.9	30-150	19.3	30		
Aldrin	0.0237	0.00192	"	0.0389	ND	61.1	30-150	16.7	30		
alpha-BHC	0.0239	0.00192	"	0.0389	ND	61.5	30-150	4.46	30		
alpha-Chlordane	0.0232	0.00192	"	0.0389	ND	59.7	30-150	10.8	30		
beta-BHC	0.0226	0.00192	"	0.0389	ND	58.2	30-150	8.97	30		
delta-BHC	0.0205	0.00192	"	0.0389	ND	52.7	30-150	10.7	30		
Dieldrin	0.0238	0.00192	"	0.0389	ND	61.1	30-150	8.89	30		
Endosulfan I	0.0234	0.00192	"	0.0389	ND	60.2	30-150	19.3	30		
Endosulfan II	0.0205	0.00192	"	0.0389	ND	52.8	30-150	6.26	30		
Endosulfan sulfate	0.0196	0.00192	"	0.0389	ND	50.5	30-150	4.96	30		
Endrin	0.0235	0.00192	"	0.0389	ND	60.4	30-150	10.4	30		
Endrin aldehyde	0.0177	0.00192	"	0.0389	ND	45.6	30-150	0.726	30		
Endrin ketone	0.0244	0.00192	"	0.0389	ND	62.8	30-150	6.63	30		
gamma-BHC (Lindane)	0.0248	0.00192	"	0.0389	ND	63.8	30-150	4.43	30		
gamma-Chlordane	0.0215	0.00192	"	0.0389	ND	55.3	30-150	2.79	30		
Heptachlor	0.0248	0.00192	"	0.0389	ND	63.8	30-150	12.1	30		
Heptachlor epoxide	0.0226	0.00192	"	0.0389	ND	58.1	30-150	7.88	30		
Methoxychlor	0.0255	0.00192	"	0.0389	ND	65.6	30-150	15.3	30		
Surrogate: Decachlorobiphenyl	0.0479		"	0.0777		61.6	30-150				
Surrogate: Tetrachloro-m-xylene	0.0502		"	0.0777		64.5	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 Y0A2002 - BA00785

Performance Mix (Y0A2002-PEM1)

Prepared & Analyzed: 01/17/2020

4,4'-DDD	12.6		ng/mL	0.00			0-200				
4,4'-DDE	5.62		"	0.00			0-200				
4,4'-DDT	290		"	200		145	0-200				
Endrin	113		"	100		113	0-200				
Endrin aldehyde	3.25		"	0.00			0-200				
Endrin ketone	5.72		"	0.00			0-200				

Batch Y0B0303 - BA00785

Performance Mix (Y0B0303-PEM1)

Prepared & Analyzed: 01/31/2020

4,4'-DDD	14.4		ng/mL	0.00			0-200				
4,4'-DDE	1.36		"	0.00			0-200				
4,4'-DDT	216		"	200		108	0-200				
Endrin	102		"	100		102	0-200				
Endrin aldehyde	1.20		"	0.00			0-200				
Endrin ketone	9.06		"	0.00			0-200				

Batch Y0B0416 - BA00785

Performance Mix (Y0B0416-PEM1)

Prepared & Analyzed: 02/03/2020

4,4'-DDD	12.2		ng/mL	0.00			0-200				
4,4'-DDE	1.98		"	0.00			0-200				
4,4'-DDT	255		"	200		128	0-200				
Endrin	117		"	100		117	0-200				
Endrin aldehyde	4.34		"	0.00			0-200				
Endrin ketone	8.34		"	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 Y0B0607 - BB00154

Performance Mix (Y0B0607-PEM1)

Prepared & Analyzed: 02/05/2020

4,4'-DDD	14.1		ng/mL	0.00			0-200			
4,4'-DDE	1.50		"	0.00			0-200			
4,4'-DDT	236		"	200		118	0-200			
Endrin	113		"	100		113	0-200			
Endrin aldehyde	1.15		"	0.00			0-200			
Endrin ketone	9.11		"	0.00			0-200			

Performance Mix (Y0B0607-PEM2)

Prepared & Analyzed: 02/05/2020

4,4'-DDD	14.1		ng/mL	0.00			0-200			
4,4'-DDE	0.992		"	0.00			0-200			
4,4'-DDT	227		"	200		114	0-200			
Endrin	103		"	100		103	0-200			
Endrin aldehyde	0.726		"	0.00			0-200			
Endrin ketone	5.67		"	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 BA01452 - EPA 3550C											
Blank (BA01452-BLK2)						Prepared & Analyzed: 01/31/2020					
Aroclor 1016	ND	0.0167	mg/kg wet								
Aroclor 1221	ND	0.0167	"								
Aroclor 1232	ND	0.0167	"								
Aroclor 1242	ND	0.0167	"								
Aroclor 1248	ND	0.0167	"								
Aroclor 1254	ND	0.0167	"								
Aroclor 1260	ND	0.0167	"								
Total PCBs	ND	0.0167	"								
Surrogate: Tetrachloro-m-xylene	0.0647		"	0.0667		97.0	30-120				
Surrogate: Decachlorobiphenyl	0.0613		"	0.0667		92.0	30-120				
LCS (BA01452-BS2)						Prepared & Analyzed: 01/31/2020					
Aroclor 1016	0.290	0.0167	mg/kg wet	0.333		86.9	40-130				
Aroclor 1260	0.285	0.0167	"	0.333		85.5	40-130				
Surrogate: Tetrachloro-m-xylene	0.0607		"	0.0667		91.0	30-120				
Surrogate: Decachlorobiphenyl	0.0523		"	0.0667		78.5	30-120				
Matrix Spike (BA01452-MS2)						*Source sample: 20A1033-08 (GB-6 (4-8)) Prepared: 01/31/2020 Analyzed: 02/01/2020					
Aroclor 1016	0.232	0.0194	mg/kg dry	0.389	ND	59.6	40-140				
Aroclor 1260	0.248	0.0194	"	0.389	ND	63.9	40-140				
Surrogate: Tetrachloro-m-xylene	0.0622		"	0.0777		80.0	30-120				
Surrogate: Decachlorobiphenyl	0.0490		"	0.0777		63.0	30-120				
Matrix Spike Dup (BA01452-MSD2)						*Source sample: 20A1033-08 (GB-6 (4-8)) Prepared: 01/31/2020 Analyzed: 02/01/2020					
Aroclor 1016	0.299	0.0194	mg/kg dry	0.389	ND	76.9	40-140		25.3	50	
Aroclor 1260	0.303	0.0194	"	0.389	ND	78.0	40-140		19.8	50	
Surrogate: Tetrachloro-m-xylene	0.0645		"	0.0777		83.0	30-120				
Surrogate: Decachlorobiphenyl	0.0548		"	0.0777		70.5	30-120				



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 BA01453 - EPA 3550C/8151A											
Blank (BA01453-BLK1)						Prepared & Analyzed: 01/31/2020					
2,4,5-T	ND	0.0199	mg/kg wet								
2,4,5-TP (Silvex)	ND	0.0199	"								
2,4-D	ND	0.0199	"								
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	0.371		"	0.498		74.4	21-150				
LCS (BA01453-BS1)						Prepared & Analyzed: 01/31/2020					
2,4,5-T	0.0926	0.0199	mg/kg wet	0.159		58.1	10-120				
2,4,5-TP (Silvex)	0.107	0.0199	"	0.159		66.9	10-120				
2,4-D	0.101	0.0199	"	0.159		63.1	10-118				
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	0.455		"	0.498		91.4	21-150				
Matrix Spike (BA01453-MS1)						*Source sample: 20A1033-08 (GB-6 (4-8)) Prepared & Analyzed: 01/31/2020					
2,4,5-T	0.0941	0.0232	mg/kg dry	0.186	ND	50.6	10-120				
2,4,5-TP (Silvex)	0.105	0.0232	"	0.186	ND	56.2	10-120				
2,4-D	0.102	0.0232	"	0.186	ND	55.0	10-118				
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	0.424		"	0.581		73.0	21-150				
Matrix Spike Dup (BA01453-MSD1)						*Source sample: 20A1033-08 (GB-6 (4-8)) Prepared & Analyzed: 01/31/2020					
2,4,5-T	0.0917	0.0232	mg/kg dry	0.186	ND	49.4	10-120		2.50	35	
2,4,5-TP (Silvex)	0.102	0.0232	"	0.186	ND	55.0	10-120		2.25	35	
2,4-D	0.102	0.0232	"	0.186	ND	55.0	10-118		0.00	35	
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	0.416		"	0.581		71.6	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 BA01405 - EPA 3050B

Blank (BA01405-BLK1)

Prepared: 01/30/2020 Analyzed: 01/31/2020

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	"

Reference (BA01405-SRM1)

Prepared: 01/30/2020 Analyzed: 01/31/2020

Aluminum	9270	5.00	mg/kg wet	7700	120	49.4-150.6
Antimony	26.7	2.50	"	40.0	66.8	21.58-292.5
Arsenic	150	1.50	"	125	120	69.8-129.6
Barium	651	2.50	"	529	123	75-125.1
Beryllium	175	0.050	"	155	113	74.8-125.2
Cadmium	45.6	0.300	"	37.7	121	74.8-124.9
Calcium	5530	5.00	"	4720	117	72.5-127.3
Chromium	67.2	0.500	"	58.3	115	70-130
Cobalt	234	0.400	"	196	119	75-125
Copper	92.1	2.00	"	78.0	118	75-125
Iron	16800	25.0	"	13800	122	34.4-165.9
Lead	129	0.500	"	111	116	70.9-128.8
Magnesium	2690	5.00	"	2240	120	61.6-138.4
Manganese	371	0.500	"	310	120	74.5-125.2
Nickel	396	1.00	"	333	119	70-130
Potassium	2440	5.00	"	1970	124	58.4-141.1
Selenium	258	2.50	"	251	103	69.3-131.1
Silver	30.3	0.500	"	27.2	112	67.6-132
Sodium	250	50.0	"	220	114	48.2-151.8
Thallium	288	2.50	"	241	119	72.6-127.4
Vanadium	136	1.00	"	125	108	70.2-129.6
Zinc	402	2.50	"	351	115	69.8-129.9



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 BA01377 - EPA 7473 soil

Blank (BA01377-BLK1)

Prepared & Analyzed: 01/29/2020

Mercury ND 0.0300 mg/kg wet

Reference (BA01377-SRM1)

Prepared & Analyzed: 01/29/2020

Mercury 3.6165 mg/kg 3.71 97.5 65-135



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
20A1033-01	GB-1 (4-8)	40mL Vial with Stir Bar-Cool 4° C
20A1033-02	GB-2 (4-8)	40mL Vial with Stir Bar-Cool 4° C
20A1033-03	GB-3 (4-8)	40mL Vial with Stir Bar-Cool 4° C
20A1033-04	GB-3 (8-12)	40mL Vial with Stir Bar-Cool 4° C
20A1033-05	GB-4 (0-4)	40mL Vial with Stir Bar-Cool 4° C
20A1033-06	GB-4 (8-12)	40mL Vial with Stir Bar-Cool 4° C
20A1033-07	GB-5 (0-4)	40mL Vial with Stir Bar-Cool 4° C
20A1033-08	GB-6 (4-8)	40mL Vial with Stir Bar-Cool 4° C
20A1033-09	Trip Blank	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



Sample and Data Qualifiers Relating to This Work Order

S-GC	Two surrogates are used for this analysis. One surrogate recovered within control limits therefore the analysis is acceptable.
S-08	The recovery of this surrogate was outside of QC limits.
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.
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-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.
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.
CCV-L	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 low.
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.

YORK

ANALYTICAL LABORATORIES, INC.

120 RESEARCH DR. STRATFORD, CT 06615
(203) 325-1371 FAX (203) 357-0166

Field Chain-of-Custody Record

NOTE: York's Std. Terms & Conditions are listed on the back side of this document.
This document serves as your written authorization to York to proceed with the analyses requested and your signature binds you to York's Std. Terms & Conditions.

YOUR Information

Company: HES, Inc.
Address: One Deans Bridge Road
Somers, New York 10589
Phone No. (914) 276-2560
Contact Person:
E-Mail Address:

Report To:

Company: Same
Address:
Phone No.
Attention:
E-Mail Address:

Invoice To:

Company: Same
Address:
Phone No.
Attention:
E-Mail Address:

YOUR Project ID

130 Midland Avenue,
Port Chester,
New York

Turn-Around Time

RUSH - Same Day ☐
RUSH - Next Day ☐
RUSH - Two Day ☐
RUSH - Three Day ☐
RUSH - Four Day ☐

Report Type

Summary Report ☒ X
Summary w/ QA Summary ☐
CT RCP Package ☐
CTRCP DQA/DUE Pkg ☐
NY ASP A Package ☐
NY ASP B Package ☒ X
NJDEP Red. Deliv. ☐

Electronic Data Deliverables (EDD)

Simple Excel ☐
NYSDEC EQULS ☒ X
EQULS (std) ☐
EZ-EDD (EQULS) ☐
NJDEP SRP HazSite EDD ☐
GIS/KEY (std) ☐
Other ☐
York Regulatory Comparison ☐
Excel Spreadsheet ☐
Compare to the following Regs. (please fill in):

Samples from: CT NY NJ

Standard(5-7 Days) ☒ X
Misc. Org. Full Lists Misc.
TPH GRO TPH DRO TCL Opaqz Concreity
CT ETPH TAL MetCN Ignitability
NY 310-13 Full TCLP Flash Point
TPH 1664 Full App. IX Sieve Anal.
Air TO14A Pat.360-Bioass Heterotrophs
Air TO15 Pat.360-Bioass TOX
Air STARS Pat.360-Bioass BTU/lb.
Air VPH SFL P&TCLP Dissolved Aquatic Tox
Air TICs SFL P&TCLP LIST Below JWHs, Mechl
Methane NYDEP-Sever TOC
Helium TAGM Silica

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
S - soil
Other - specify (oil, etc.)
WW - wastewater
GW - groundwater
DW - drinking water
Air-A - ambient air
Air-SV - soil vapor
8021B list

Choose Analyses Needed from the Menu Above and Enter Below

Sample Identification	Date Sampled	Sample Matrix	Container Description(s)
GB-1 (4-8)	1/28/2020	S	(2) 8oz (3) VOA
GB-2 (4-8)			
GB-3 (4-8)			
GB-3 (8-12)			
GB-4 (0-4)			
GB-4 (8-12)			
GB-5 (0-4)			
GB-6 (4-8)			
Trip Blank		Trip Blank	(2) VOA

Comments

8260, EPA 8270, PCBs, Herbicides Target; Pesticides Target; TAL Metals; 1,4-bisoxane

4°C _____ Frozen _____ HCl _____ MeOH _____ HNO₃ _____ H₂SO₄ _____ NaOH _____
Other _____

Preservation Check those Applicable
Special Instructions
Field Filtered ☐
Lab to Filter ☐

Samples Relinquished By: Chic Date/Time: 1-29-20 12:55
Samples Received By: Chic Date/Time: 1-29-20 12:55
Samples Relinquished By: Chic Date/Time: 1-29-20 15:33
Samples Received By: Chic Date/Time: 1-29-20 15:33

Temperature on Receipt: 1.2 °C



Technical Report

prepared for:

Hydro Environmental Solutions

One Deans Bridge Road

Somers NY, 10589

Attention: Bill Canavan

Report Date: 02/11/2020

Client Project ID: 130 Midland Avenue, Port Chester, New York

York Project (SDG) No.: 20A1084

CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037



New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

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STRATFORD, CT 06615
(203) 325-1371



132-02 89th AVENUE
FAX (203) 357-0166

RICHMOND HILL, NY 11418
ClientServices@yorklab.com

Report Date: 02/11/2020
Client Project ID: 130 Midland Avenue, Port Chester, New York
York Project (SDG) No.: 20A1084

Hydro Environmental Solutions
One Deans Bridge Road
Somers NY, 10589
Attention: Bill Canavan

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on January 30, 2020 and listed below. The project was identified as your project: **130 Midland Avenue, Port Chester, New York.**

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>
20A1084-01	GB-7 (4-8)	Soil	01/29/2020	01/30/2020
20A1084-02	GB-8 (4-8)	Soil	01/29/2020	01/30/2020
20A1084-03	MW-6 (4-8)	Soil	01/29/2020	01/30/2020
20A1084-04	GB-10 (4-8)	Soil	01/29/2020	01/30/2020
20A1084-05	MW-3 (5-9)	Soil	01/29/2020	01/30/2020
20A1084-06	MW-1 (5-14)	Soil	01/29/2020	01/30/2020
20A1084-07	Field Blank	Water	01/29/2020	01/30/2020

General Notes for York Project (SDG) No.: 20A1084

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.

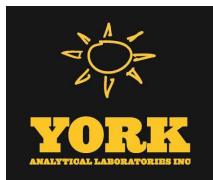
Approved By:



Benjamin Gulizia
Laboratory Director

Date: 02/11/2020





Sample Information

Client Sample ID: GB-7 (4-8)

York Sample ID: 20A1084-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1084

130 Midland Avenue, Port Chester, New York

Soil

January 29, 2020 12:00 am

01/30/2020

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.819	1	EPA 537m Certifications:	02/03/2020 15:57	02/05/2020 22:13	KT
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.819	1	EPA 537m Certifications:	02/03/2020 15:57	02/05/2020 22:13	KT
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.819	1	EPA 537m Certifications:	02/03/2020 15:57	02/05/2020 22:13	KT
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.819	1	EPA 537m Certifications:	02/03/2020 15:57	02/05/2020 22:13	KT
335-67-1	* Perfluorooctanoic acid (PFOA)	ND	PF-CC V-L	ug/kg dry	0.819	1	EPA 537m Certifications:	02/03/2020 15:57	02/05/2020 22:13	KT
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.819	1	EPA 537m Certifications:	02/03/2020 15:57	02/05/2020 22:13	KT
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.819	1	EPA 537m Certifications:	02/03/2020 15:57	02/05/2020 22:13	KT
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.819	1	EPA 537m Certifications:	02/03/2020 15:57	02/05/2020 22:13	KT
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.819	1	EPA 537m Certifications:	02/03/2020 15:57	02/05/2020 22:13	KT
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.819	1	EPA 537m Certifications:	02/03/2020 15:57	02/05/2020 22:13	KT
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.819	1	EPA 537m Certifications:	02/03/2020 15:57	02/05/2020 22:13	KT
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.819	1	EPA 537m Certifications:	02/03/2020 15:57	02/05/2020 22:13	KT
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.819	1	EPA 537m Certifications:	02/03/2020 15:57	02/05/2020 22:13	KT
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.819	1	EPA 537m Certifications:	02/03/2020 15:57	02/05/2020 22:13	KT
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.819	1	EPA 537m Certifications:	02/03/2020 15:57	02/05/2020 22:13	KT
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.819	1	EPA 537m Certifications:	02/03/2020 15:57	02/05/2020 22:13	KT
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.819	1	EPA 537m Certifications:	02/03/2020 15:57	02/05/2020 22:13	KT
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.819	1	EPA 537m Certifications:	02/03/2020 15:57	02/05/2020 22:13	KT
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND	PF-CC V-L	ug/kg dry	0.819	1	EPA 537m Certifications:	02/03/2020 15:57	02/05/2020 22:13	KT
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.819	1	EPA 537m Certifications:	02/03/2020 15:57	02/05/2020 22:13	KT
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.819	1	EPA 537m Certifications:	02/03/2020 15:57	02/05/2020 22:13	KT

Surrogate Recoveries

Result

Acceptance Range

120 RESEARCH DRIVE

STRATFORD, CT 06615

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FAX (203) 357-0166

RICHMOND HILL, NY 11418

ClientServices@

Page 4 of 29



Sample Information

Client Sample ID: GB-7 (4-8)

York Sample ID: 20A1084-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1084

130 Midland Avenue, Port Chester, New York

Soil

January 29, 2020 12:00 am

01/30/2020

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: M3PFBS	60.4 %			25-150					
	Surrogate: M5PFHxA	57.7 %			25-150					
	Surrogate: M4PFHpA	52.1 %			25-150					
	Surrogate: M3PFHxS	61.8 %			25-150					
	Surrogate: Perfluoro-n- [13C8]octanoic acid (M8PFOA)	54.7 %			25-150					
	Surrogate: M6PFDA	66.1 %			25-150					
	Surrogate: M7PFUdA	44.1 %			25-150					
	Surrogate: Perfluoro-n- [1,2-13C2]dodecanoic acid (MPFDoA)	53.7 %			25-150					
	Surrogate: M2PFTeDA	42.7 %			10-150					
	Surrogate: Perfluoro-n- [13C4]butanoic acid (MPFBA)	58.5 %			25-150					
	Surrogate: Perfluoro-1- [13C8]octanesulfonic acid (M8PFOS)	57.9 %			25-150					
	Surrogate: Perfluoro-n- [13C5]pentanoic acid (M5PFPeA)	59.1 %			25-150					
	Surrogate: Perfluoro-1- [13C8]octanesulfonamide (M8FOSA)	54.5 %			10-150					
	Surrogate: d3-N-MeFOSAA	71.9 %			25-150					
	Surrogate: d5-N-EtFOSAA	95.5 %			25-150					
	Surrogate: M2-6:2 FTS	188 %	PFSu-H		25-150					
	Surrogate: M2-8:2 FTS	194 %	PFSu-H		25-150					
	Surrogate: M9PFNA	63.0 %			25-150					

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	85.4		%	0.100	1	SM 2540G	02/05/2020 15:27	02/05/2020 15:29	WL
							Certifications: CTDOH			

Sample Information

Client Sample ID: GB-8 (4-8)

York Sample ID: 20A1084-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1084

130 Midland Avenue, Port Chester, New York

Soil

January 29, 2020 12:00 am

01/30/2020

PFAS, NYSDEC Target List

Log-in Notes:

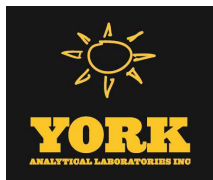
Sample Notes:

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ClientServices@



Sample Information

Client Sample ID: GB-8 (4-8)

York Sample ID: 20A1084-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1084

130 Midland Avenue, Port Chester, New York

Soil

January 29, 2020 12:00 am

01/30/2020

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.844	1	EPA 537m Certifications:	02/03/2020 15:57	02/05/2020 22:40	KT
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.844	1	EPA 537m Certifications:	02/03/2020 15:57	02/05/2020 22:40	KT
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.844	1	EPA 537m Certifications:	02/03/2020 15:57	02/05/2020 22:40	KT
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.844	1	EPA 537m Certifications:	02/03/2020 15:57	02/05/2020 22:40	KT
335-67-1	* Perfluorooctanoic acid (PFOA)	ND	PF-CC V-L	ug/kg dry	0.844	1	EPA 537m Certifications:	02/03/2020 15:57	02/05/2020 22:40	KT
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375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.844	1	EPA 537m Certifications:	02/03/2020 15:57	02/05/2020 22:40	KT
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.844	1	EPA 537m Certifications:	02/03/2020 15:57	02/05/2020 22:40	KT
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.844	1	EPA 537m Certifications:	02/03/2020 15:57	02/05/2020 22:40	KT
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.844	1	EPA 537m Certifications:	02/03/2020 15:57	02/05/2020 22:40	KT
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.844	1	EPA 537m Certifications:	02/03/2020 15:57	02/05/2020 22:40	KT
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.844	1	EPA 537m Certifications:	02/03/2020 15:57	02/05/2020 22:40	KT
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.844	1	EPA 537m Certifications:	02/03/2020 15:57	02/05/2020 22:40	KT
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.844	1	EPA 537m Certifications:	02/03/2020 15:57	02/05/2020 22:40	KT
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.844	1	EPA 537m Certifications:	02/03/2020 15:57	02/05/2020 22:40	KT
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.844	1	EPA 537m Certifications:	02/03/2020 15:57	02/05/2020 22:40	KT
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.844	1	EPA 537m Certifications:	02/03/2020 15:57	02/05/2020 22:40	KT
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27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND	PF-CC V-L	ug/kg dry	0.844	1	EPA 537m Certifications:	02/03/2020 15:57	02/05/2020 22:40	KT
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.844	1	EPA 537m Certifications:	02/03/2020 15:57	02/05/2020 22:40	KT
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.844	1	EPA 537m Certifications:	02/03/2020 15:57	02/05/2020 22:40	KT
Surrogate Recoveries		Result	Acceptance Range							
Surrogate: M3PFBS		55.0 %	25-150							
Surrogate: M5PFHxA		52.6 %	25-150							



Sample Information

Client Sample ID: GB-8 (4-8)

York Sample ID: 20A1084-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1084

130 Midland Avenue, Port Chester, New York

Soil

January 29, 2020 12:00 am

01/30/2020

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: M4PFHpA	47.8 %			25-150					
	Surrogate: M3PFHxS	55.2 %			25-150					
	Surrogate: Perfluoro-n- [13C8]octanoic acid (M8PFOA)	54.7 %			25-150					
	Surrogate: M6PFDA	52.6 %			25-150					
	Surrogate: M7PFUdA	40.7 %			25-150					
	Surrogate: Perfluoro-n- [1,2-13C2]dodecanoic acid (MPFDoA)	35.7 %			25-150					
	Surrogate: M2PFTeDA	32.3 %			10-150					
	Surrogate: Perfluoro-n- [13C4]butanoic acid (MPFBA)	55.1 %			25-150					
	Surrogate: Perfluoro-1- [13C8]octanesulfonic acid (M8PFOS)	52.7 %			25-150					
	Surrogate: Perfluoro-n- [13C5]pentanoic acid (M5PFPeA)	55.6 %			25-150					
	Surrogate: Perfluoro-1- [13C8]octanesulfonamide (M8FOSA)	48.3 %			10-150					
	Surrogate: d3-N-MeFOSAA	67.1 %			25-150					
	Surrogate: d5-N-EtFOSAA	80.3 %			25-150					
	Surrogate: M2-6:2 FTS	170 %	PFSu-H		25-150					
	Surrogate: M2-8:2 FTS	181 %	PFSu-H		25-150					
	Surrogate: M9PFNA	48.1 %			25-150					

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	82.8		%	0.100	1	SM 2540G Certifications: CTD0H	02/05/2020 15:27	02/05/2020 15:29	WL

Sample Information

Client Sample ID: MW-6 (4-8)

York Sample ID: 20A1084-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1084

130 Midland Avenue, Port Chester, New York

Soil

January 29, 2020 12:00 am

01/30/2020

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: MW-6 (4-8)

York Sample ID: 20A1084-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1084

130 Midland Avenue, Port Chester, New York

Soil

January 29, 2020 12:00 am

01/30/2020

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.829	1	EPA 537m Certifications:	02/03/2020 15:57	02/05/2020 23:07	KT
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.829	1	EPA 537m Certifications:	02/03/2020 15:57	02/05/2020 23:07	KT
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.829	1	EPA 537m Certifications:	02/03/2020 15:57	02/05/2020 23:07	KT
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.829	1	EPA 537m Certifications:	02/03/2020 15:57	02/05/2020 23:07	KT
335-67-1	* Perfluorooctanoic acid (PFOA)	ND	PF-CC V-L	ug/kg dry	0.829	1	EPA 537m Certifications:	02/03/2020 15:57	02/05/2020 23:07	KT
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.829	1	EPA 537m Certifications:	02/03/2020 15:57	02/05/2020 23:07	KT
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.829	1	EPA 537m Certifications:	02/03/2020 15:57	02/05/2020 23:07	KT
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.829	1	EPA 537m Certifications:	02/03/2020 15:57	02/05/2020 23:07	KT
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.829	1	EPA 537m Certifications:	02/03/2020 15:57	02/05/2020 23:07	KT
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.829	1	EPA 537m Certifications:	02/03/2020 15:57	02/05/2020 23:07	KT
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.829	1	EPA 537m Certifications:	02/03/2020 15:57	02/05/2020 23:07	KT
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.829	1	EPA 537m Certifications:	02/03/2020 15:57	02/05/2020 23:07	KT
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.829	1	EPA 537m Certifications:	02/03/2020 15:57	02/05/2020 23:07	KT
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.829	1	EPA 537m Certifications:	02/03/2020 15:57	02/05/2020 23:07	KT
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.829	1	EPA 537m Certifications:	02/03/2020 15:57	02/05/2020 23:07	KT
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.829	1	EPA 537m Certifications:	02/03/2020 15:57	02/05/2020 23:07	KT
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.829	1	EPA 537m Certifications:	02/03/2020 15:57	02/05/2020 23:07	KT
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.829	1	EPA 537m Certifications:	02/03/2020 15:57	02/05/2020 23:07	KT
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND	PF-CC V-L	ug/kg dry	0.829	1	EPA 537m Certifications:	02/03/2020 15:57	02/05/2020 23:07	KT
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.829	1	EPA 537m Certifications:	02/03/2020 15:57	02/05/2020 23:07	KT
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.829	1	EPA 537m Certifications:	02/03/2020 15:57	02/05/2020 23:07	KT
Surrogate Recoveries		Result	Acceptance Range							
Surrogate: M3PFBS		61.0 %	25-150							
Surrogate: M5PFHxA		57.9 %	25-150							



Sample Information

Client Sample ID: MW-6 (4-8)

York Sample ID: 20A1084-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1084

130 Midland Avenue, Port Chester, New York

Soil

January 29, 2020 12:00 am

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PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: M4PFHpA	59.2 %			25-150					
	Surrogate: M3PFHxS	62.1 %			25-150					
	Surrogate: Perfluoro-n- [13C8]octanoic acid (M8PFOA)	55.7 %			25-150					
	Surrogate: M6PFDA	65.3 %			25-150					
	Surrogate: M7PFUdA	53.8 %			25-150					
	Surrogate: Perfluoro-n- [1,2-13C2]dodecanoic acid (MPFDoA)	56.3 %			25-150					
	Surrogate: M2PFTeDA	62.7 %			10-150					
	Surrogate: Perfluoro-n- [13C4]butanoic acid (MPFBA)	58.9 %			25-150					
	Surrogate: Perfluoro-1- [13C8]octanesulfonic acid (M8PFOS)	59.2 %			25-150					
	Surrogate: Perfluoro-n- [13C5]pentanoic acid (M5PFPeA)	62.0 %			25-150					
	Surrogate: Perfluoro-1- [13C8]octanesulfonamide (M8FOSA)	65.8 %			10-150					
	Surrogate: d3-N-MeFOSAA	72.4 %			25-150					
	Surrogate: d5-N-EtFOSAA	120 %			25-150					
	Surrogate: M2-6:2 FTS	202 %	PFSu-H		25-150					
	Surrogate: M2-8:2 FTS	117 %			25-150					
	Surrogate: M9PFNA	61.9 %			25-150					

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	83.5		%	0.100	1	SM 2540G Certifications: CTDOH	02/05/2020 15:27	02/05/2020 15:29	WL

Sample Information

Client Sample ID: GB-10 (4-8)

York Sample ID: 20A1084-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1084

130 Midland Avenue, Port Chester, New York

Soil

January 29, 2020 12:00 am

01/30/2020

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: GB-10 (4-8)

York Sample ID: 20A1084-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1084

130 Midland Avenue, Port Chester, New York

Soil

January 29, 2020 12:00 am

01/30/2020

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	1.56	1	EPA 537m Certifications:	02/03/2020 15:57	02/05/2020 23:34	KT
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	1.56	1	EPA 537m Certifications:	02/03/2020 15:57	02/05/2020 23:34	KT
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	1.56	1	EPA 537m Certifications:	02/03/2020 15:57	02/05/2020 23:34	KT
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	1.56	1	EPA 537m Certifications:	02/03/2020 15:57	02/05/2020 23:34	KT
335-67-1	* Perfluorooctanoic acid (PFOA)	ND	PF-CC V-L	ug/kg dry	1.56	1	EPA 537m Certifications:	02/03/2020 15:57	02/05/2020 23:34	KT
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	1.56	1	EPA 537m Certifications:	02/03/2020 15:57	02/05/2020 23:34	KT
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	1.56	1	EPA 537m Certifications:	02/03/2020 15:57	02/05/2020 23:34	KT
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	1.56	1	EPA 537m Certifications:	02/03/2020 15:57	02/05/2020 23:34	KT
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	1.56	1	EPA 537m Certifications:	02/03/2020 15:57	02/05/2020 23:34	KT
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	1.56	1	EPA 537m Certifications:	02/03/2020 15:57	02/05/2020 23:34	KT
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	1.56	1	EPA 537m Certifications:	02/03/2020 15:57	02/05/2020 23:34	KT
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	1.56	1	EPA 537m Certifications:	02/03/2020 15:57	02/05/2020 23:34	KT
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	1.56	1	EPA 537m Certifications:	02/03/2020 15:57	02/05/2020 23:34	KT
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	1.56	1	EPA 537m Certifications:	02/03/2020 15:57	02/05/2020 23:34	KT
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	1.56	1	EPA 537m Certifications:	02/03/2020 15:57	02/05/2020 23:34	KT
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	1.56	1	EPA 537m Certifications:	02/03/2020 15:57	02/05/2020 23:34	KT
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	1.56	1	EPA 537m Certifications:	02/03/2020 15:57	02/05/2020 23:34	KT
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	1.56	1	EPA 537m Certifications:	02/03/2020 15:57	02/05/2020 23:34	KT
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND	PF-CC V-L	ug/kg dry	1.56	1	EPA 537m Certifications:	02/03/2020 15:57	02/05/2020 23:34	KT
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	1.56	1	EPA 537m Certifications:	02/03/2020 15:57	02/05/2020 23:34	KT
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	1.56	1	EPA 537m Certifications:	02/03/2020 15:57	02/05/2020 23:34	KT
Surrogate Recoveries		Result	Acceptance Range							
Surrogate: M3PFBS		66.2 %	25-150							
Surrogate: M5PFHxA		63.6 %	25-150							



Sample Information

Client Sample ID: GB-10 (4-8)

York Sample ID: 20A1084-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1084

130 Midland Avenue, Port Chester, New York

Soil

January 29, 2020 12:00 am

01/30/2020

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: M4PFHpA	50.5 %			25-150					
	Surrogate: M3PFHxS	68.5 %			25-150					
	Surrogate: Perfluoro-n- [13C8]octanoic acid (M8PFOA)	53.3 %			25-150					
	Surrogate: M6PFDA	54.0 %			25-150					
	Surrogate: M7PFUdA	43.8 %			25-150					
	Surrogate: Perfluoro-n- [1,2-13C2]dodecanoic acid (MPFDoA)	52.5 %			25-150					
	Surrogate: M2PFTeDA	37.9 %			10-150					
	Surrogate: Perfluoro-n- [13C4]butanoic acid (MPFBA)	77.9 %			25-150					
	Surrogate: Perfluoro-1- [13C8]octanesulfonic acid (M8PFOS)	64.6 %			25-150					
	Surrogate: Perfluoro-n- [13C5]pentanoic acid (M5PFPeA)	66.7 %			25-150					
	Surrogate: Perfluoro-1- [13C8]octanesulfonamide (M8FOSA)	39.3 %			10-150					
	Surrogate: d3-N-MeFOSAA	79.8 %			25-150					
	Surrogate: d5-N-EtFOSAA	90.8 %			25-150					
	Surrogate: M2-6:2 FTS	201 %	PFSu-H		25-150					
	Surrogate: M2-8:2 FTS	306 %	PFSu-H		25-150					
	Surrogate: M9PFNA	56.0 %			25-150					

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	45.8		%	0.100	1	SM 2540G Certifications: CTDOH	02/05/2020 15:27	02/05/2020 15:29	WL

Sample Information

Client Sample ID: MW-3 (5-9)

York Sample ID: 20A1084-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1084

130 Midland Avenue, Port Chester, New York

Soil

January 29, 2020 12:00 am

01/30/2020

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: MW-3 (5-9)

York Sample ID: 20A1084-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1084

130 Midland Avenue, Port Chester, New York

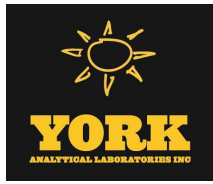
Soil

January 29, 2020 12:00 am

01/30/2020

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.787	1	EPA 537m Certifications:	02/03/2020 15:57	02/06/2020 00:01	KT
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.787	1	EPA 537m Certifications:	02/03/2020 15:57	02/06/2020 00:01	KT
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.787	1	EPA 537m Certifications:	02/03/2020 15:57	02/06/2020 00:01	KT
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.787	1	EPA 537m Certifications:	02/03/2020 15:57	02/06/2020 00:01	KT
335-67-1	* Perfluorooctanoic acid (PFOA)	ND	PF-CC V-L	ug/kg dry	0.787	1	EPA 537m Certifications:	02/03/2020 15:57	02/06/2020 00:01	KT
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.787	1	EPA 537m Certifications:	02/03/2020 15:57	02/06/2020 00:01	KT
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.787	1	EPA 537m Certifications:	02/03/2020 15:57	02/06/2020 00:01	KT
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.787	1	EPA 537m Certifications:	02/03/2020 15:57	02/06/2020 00:01	KT
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.787	1	EPA 537m Certifications:	02/03/2020 15:57	02/06/2020 00:01	KT
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.787	1	EPA 537m Certifications:	02/03/2020 15:57	02/06/2020 00:01	KT
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.787	1	EPA 537m Certifications:	02/03/2020 15:57	02/06/2020 00:01	KT
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.787	1	EPA 537m Certifications:	02/03/2020 15:57	02/06/2020 00:01	KT
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.787	1	EPA 537m Certifications:	02/03/2020 15:57	02/06/2020 00:01	KT
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.787	1	EPA 537m Certifications:	02/03/2020 15:57	02/06/2020 00:01	KT
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.787	1	EPA 537m Certifications:	02/03/2020 15:57	02/06/2020 00:01	KT
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.787	1	EPA 537m Certifications:	02/03/2020 15:57	02/06/2020 00:01	KT
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.787	1	EPA 537m Certifications:	02/03/2020 15:57	02/06/2020 00:01	KT
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.787	1	EPA 537m Certifications:	02/03/2020 15:57	02/06/2020 00:01	KT
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND	PF-CC V-L	ug/kg dry	0.787	1	EPA 537m Certifications:	02/03/2020 15:57	02/06/2020 00:01	KT
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.787	1	EPA 537m Certifications:	02/03/2020 15:57	02/06/2020 00:01	KT
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.787	1	EPA 537m Certifications:	02/03/2020 15:57	02/06/2020 00:01	KT
Surrogate Recoveries		Result	Acceptance Range							
Surrogate: M3PFBS		54.5 %	25-150							
Surrogate: M5PFHxA		54.6 %	25-150							



Sample Information

Client Sample ID: MW-3 (5-9)

York Sample ID: 20A1084-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

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130 Midland Avenue, Port Chester, New York

Soil

January 29, 2020 12:00 am

01/30/2020

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: M4PFHpA	51.4 %			25-150					
	Surrogate: M3PFHxS	55.0 %			25-150					
	Surrogate: Perfluoro-n- [13C8]octanoic acid (M8PFOA)	55.3 %			25-150					
	Surrogate: M6PFDA	60.5 %			25-150					
	Surrogate: M7PFUdA	45.9 %			25-150					
	Surrogate: Perfluoro-n- [1,2-13C2]dodecanoic acid (MPFDoA)	48.1 %			25-150					
	Surrogate: M2PFTeDA	44.6 %			10-150					
	Surrogate: Perfluoro-n- [13C4]butanoic acid (MPFBA)	52.8 %			25-150					
	Surrogate: Perfluoro-1- [13C8]octanesulfonic acid (M8PFOS)	51.5 %			25-150					
	Surrogate: Perfluoro-n- [13C5]pentanoic acid (M5PFPeA)	55.1 %			25-150					
	Surrogate: Perfluoro-1- [13C8]octanesulfonamide (M8FOSA)	53.8 %			10-150					
	Surrogate: d3-N-MeFOSAA	60.2 %			25-150					
	Surrogate: d5-N-EtFOSAA	95.6 %			25-150					
	Surrogate: M2-6:2 FTS	176 %	PFSu-H		25-150					
	Surrogate: M2-8:2 FTS	85.4 %			25-150					
	Surrogate: M9PFNA	55.0 %			25-150					

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 Certifications: CTDOH	02/05/2020 15:27	02/05/2020 15:29	WL

Sample Information

Client Sample ID: MW-1 (5-14)

York Sample ID: 20A1084-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1084

130 Midland Avenue, Port Chester, New York

Soil

January 29, 2020 12:00 am

01/30/2020

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: MW-1 (5-14)

York Sample ID: 20A1084-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1084

130 Midland Avenue, Port Chester, New York

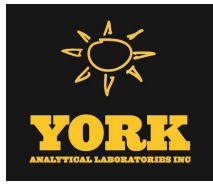
Soil

January 29, 2020 12:00 am

01/30/2020

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.838	1	EPA 537m Certifications:	02/03/2020 15:57	02/06/2020 00:28	KT
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.838	1	EPA 537m Certifications:	02/03/2020 15:57	02/06/2020 00:28	KT
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.838	1	EPA 537m Certifications:	02/03/2020 15:57	02/06/2020 00:28	KT
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.838	1	EPA 537m Certifications:	02/03/2020 15:57	02/06/2020 00:28	KT
335-67-1	* Perfluorooctanoic acid (PFOA)	ND	PF-CC V-L	ug/kg dry	0.838	1	EPA 537m Certifications:	02/03/2020 15:57	02/06/2020 00:28	KT
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.838	1	EPA 537m Certifications:	02/03/2020 15:57	02/06/2020 00:28	KT
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.838	1	EPA 537m Certifications:	02/03/2020 15:57	02/06/2020 00:28	KT
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.838	1	EPA 537m Certifications:	02/03/2020 15:57	02/06/2020 00:28	KT
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.838	1	EPA 537m Certifications:	02/03/2020 15:57	02/06/2020 00:28	KT
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.838	1	EPA 537m Certifications:	02/03/2020 15:57	02/06/2020 00:28	KT
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.838	1	EPA 537m Certifications:	02/03/2020 15:57	02/06/2020 00:28	KT
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.838	1	EPA 537m Certifications:	02/03/2020 15:57	02/06/2020 00:28	KT
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.838	1	EPA 537m Certifications:	02/03/2020 15:57	02/06/2020 00:28	KT
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.838	1	EPA 537m Certifications:	02/03/2020 15:57	02/06/2020 00:28	KT
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.838	1	EPA 537m Certifications:	02/03/2020 15:57	02/06/2020 00:28	KT
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.838	1	EPA 537m Certifications:	02/03/2020 15:57	02/06/2020 00:28	KT
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.838	1	EPA 537m Certifications:	02/03/2020 15:57	02/06/2020 00:28	KT
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.838	1	EPA 537m Certifications:	02/03/2020 15:57	02/06/2020 00:28	KT
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND	PF-CC V-L	ug/kg dry	0.838	1	EPA 537m Certifications:	02/03/2020 15:57	02/06/2020 00:28	KT
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.838	1	EPA 537m Certifications:	02/03/2020 15:57	02/06/2020 00:28	KT
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.838	1	EPA 537m Certifications:	02/03/2020 15:57	02/06/2020 00:28	KT
Surrogate Recoveries		Result		Acceptance Range						
Surrogate: M3PFBS		59.5 %		25-150						
Surrogate: M5PFHxA		59.8 %		25-150						



Sample Information

Client Sample ID: MW-1 (5-14)

York Sample ID: 20A1084-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1084

130 Midland Avenue, Port Chester, New York

Soil

January 29, 2020 12:00 am

01/30/2020

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: M4PFHpA	50.9 %			25-150					
	Surrogate: M3PFHxS	60.9 %			25-150					
	Surrogate: Perfluoro-n- [13C8]octanoic acid (M8PFOA)	63.1 %			25-150					
	Surrogate: M6PFDA	48.0 %			25-150					
	Surrogate: M7PFUdA	48.8 %			25-150					
	Surrogate: Perfluoro-n- [1,2-13C2]dodecanoic acid (MPFDoA)	46.9 %			25-150					
	Surrogate: M2PFTeDA	48.6 %			10-150					
	Surrogate: Perfluoro-n- [13C4]butanoic acid (MPFBA)	60.0 %			25-150					
	Surrogate: Perfluoro-1- [13C8]octanesulfonic acid (M8PFOS)	55.0 %			25-150					
	Surrogate: Perfluoro-n- [13C5]pentanoic acid (M5PFPeA)	61.7 %			25-150					
	Surrogate: Perfluoro-1- [13C8]octanesulfonamide (M8FOSA)	53.5 %			10-150					
	Surrogate: d3-N-MeFOSAA	76.8 %			25-150					
	Surrogate: d5-N-EtFOSAA	99.8 %			25-150					
	Surrogate: M2-6:2 FTS	186 %	PFSu-H		25-150					
	Surrogate: M2-8:2 FTS	193 %	PFSu-H		25-150					
	Surrogate: M9PFNA	63.6 %			25-150					

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	85.2		%	0.100	1	SM 2540G Certifications: CTDOH	02/05/2020 15:27	02/05/2020 15:29	WL

Sample Information

Client Sample ID: Field Blank

York Sample ID: 20A1084-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1084

130 Midland Avenue, Port Chester, New York

Water

January 29, 2020 12:00 am

01/30/2020

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: Field Blank

York Sample ID: 20A1084-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1084

130 Midland Avenue, Port Chester, New York

Water

January 29, 2020 12:00 am

01/30/2020

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	2.00	1	EPA 537m Certifications:	02/03/2020 12:09	02/04/2020 03:18	KT
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ng/L	2.00	1	EPA 537m Certifications:	02/03/2020 12:09	02/04/2020 03:18	KT
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ng/L	2.00	1	EPA 537m Certifications:	02/03/2020 12:09	02/04/2020 03:18	KT
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	2.00	1	EPA 537m Certifications:	02/03/2020 12:09	02/04/2020 03:18	KT
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ng/L	2.00	1	EPA 537m Certifications:	02/03/2020 12:09	02/04/2020 03:18	KT
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	2.00	1	EPA 537m Certifications:	02/03/2020 12:09	02/04/2020 03:18	KT
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ng/L	2.00	1	EPA 537m Certifications:	02/03/2020 12:09	02/04/2020 03:18	KT
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	2.00	1	EPA 537m Certifications:	02/03/2020 12:09	02/04/2020 03:18	KT
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	2.00	1	EPA 537m Certifications:	02/03/2020 12:09	02/04/2020 03:18	KT
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	2.00	1	EPA 537m Certifications:	02/03/2020 12:09	02/04/2020 03:18	KT
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	2.00	1	EPA 537m Certifications:	02/03/2020 12:09	02/04/2020 03:18	KT
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	2.00	1	EPA 537m Certifications:	02/03/2020 12:09	02/04/2020 03:18	KT
2355-31-9	* N-MeFOSAA	ND		ng/L	2.00	1	EPA 537m Certifications:	02/03/2020 12:09	02/04/2020 03:18	KT
2991-50-6	* N-EtFOSAA	ND		ng/L	2.00	1	EPA 537m Certifications:	02/03/2020 12:09	02/04/2020 03:18	KT
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ng/L	2.00	1	EPA 537m Certifications:	02/03/2020 12:09	02/04/2020 03:18	KT
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	2.00	1	EPA 537m Certifications:	02/03/2020 12:09	02/04/2020 03:18	KT
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	2.00	1	EPA 537m Certifications:	02/03/2020 12:09	02/04/2020 03:18	KT
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	2.00	1	EPA 537m Certifications:	02/03/2020 12:09	02/04/2020 03:18	KT
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	5.00	1	EPA 537m Certifications:	02/03/2020 12:09	02/04/2020 03:18	KT
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	2.00	1	EPA 537m Certifications:	02/03/2020 12:09	02/04/2020 03:18	KT
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	2.00	1	EPA 537m Certifications:	02/03/2020 12:09	02/04/2020 03:18	KT
Surrogate Recoveries		Result	Acceptance Range							
Surrogate: M3PFBS		69.3 %	25-150							
Surrogate: M5PFHxA		58.9 %	25-150							



Sample Information

Client Sample ID: Field Blank

York Sample ID: 20A1084-07

York Project (SDG) No.

20A1084

Client Project ID

130 Midland Avenue, Port Chester, New York

Matrix

Water

Collection Date/Time

January 29, 2020 12:00 am

Date Received

01/30/2020

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: M4PFHpA	56.4 %			25-150					
	Surrogate: M3PFHxS	66.6 %			25-150					
	Surrogate: Perfluoro-n- [13C8]octanoic acid (M8PFOA)	56.1 %			25-150					
	Surrogate: M6PFDA	58.7 %			25-150					
	Surrogate: M7PFUdA	50.1 %			25-150					
	Surrogate: Perfluoro-n- [1,2-13C2]dodecanoic acid (MPFDoA)	29.6 %			25-150					
	Surrogate: M2PFTeDA	10.4 %			10-150					
	Surrogate: Perfluoro-n- [13C4]butanoic acid (MPFBA)	67.3 %			25-150					
	Surrogate: Perfluoro-1- [13C8]octanesulfonic acid (M8PFOS)	66.1 %			25-150					
	Surrogate: Perfluoro-n- [13C5]pentanoic acid (M5PFPeA)	63.2 %			25-150					
	Surrogate: Perfluoro-1- [13C8]octanesulfonamide (M8FOSA)	61.1 %			10-150					
	Surrogate: d3-N-MeFOSAA	58.1 %			25-150					
	Surrogate: d5-N-EtFOSAA	63.1 %			25-150					
	Surrogate: M2-6:2 FTS	52.9 %			25-150					
	Surrogate: M2-8:2 FTS	60.9 %			25-150					
	Surrogate: M9PFNA	63.9 %			25-150					



Analytical Batch Summary

Batch ID: BB00037 **Preparation Method:** SPE Ext-PFAS-EPA 537.1M **Prepared By:** WL

YORK Sample ID	Client Sample ID	Preparation Date
20A1084-07	Field Blank	02/03/20
BB00037-BLK1	Blank	02/03/20
BB00037-BS1	LCS	02/03/20

Batch ID: BB00069 **Preparation Method:** SPE PFAS Extraction-Soil-EPA 537m **Prepared By:** WL

YORK Sample ID	Client Sample ID	Preparation Date
20A1084-01	GB-7 (4-8)	02/03/20
20A1084-02	GB-8 (4-8)	02/03/20
20A1084-03	MW-6 (4-8)	02/03/20
20A1084-04	GB-10 (4-8)	02/03/20
20A1084-05	MW-3 (5-9)	02/03/20
20A1084-06	MW-1 (5-14)	02/03/20
BB00069-BLK1	Blank	02/03/20
BB00069-BS1	LCS	02/03/20
BB00069-MS1	Matrix Spike	02/03/20
BB00069-MSD1	Matrix Spike Dup	02/03/20

Batch ID: BB00205 **Preparation Method:** % Solids Prep **Prepared By:** WL

YORK Sample ID	Client Sample ID	Preparation Date
20A1084-01	GB-7 (4-8)	02/05/20
20A1084-02	GB-8 (4-8)	02/05/20
20A1084-03	MW-6 (4-8)	02/05/20
20A1084-04	GB-10 (4-8)	02/05/20
20A1084-05	MW-3 (5-9)	02/05/20
20A1084-06	MW-1 (5-14)	02/05/20
BB00205-DUP1	Duplicate	02/05/20



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

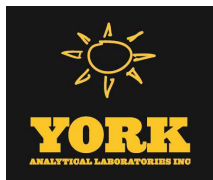
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BB00037 - SPE Ext-PFAS-EPA 537.1M

Blank (BB00037-BLK1)

Prepared & Analyzed: 02/03/2020

Perfluorobutanesulfonic acid (PFBS)	ND	2.00	ng/L								
Perfluorohexanoic acid (PFHxA)	ND	2.00	"								
Perfluoroheptanoic acid (PFHpA)	ND	2.00	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	2.00	"								
Perfluorooctanoic acid (PFOA)	ND	2.00	"								
Perfluorooctanesulfonic acid (PFOS)	ND	2.00	"								
Perfluorononanoic acid (PFNA)	ND	2.00	"								
Perfluorodecanoic acid (PFDA)	ND	2.00	"								
Perfluoroundecanoic acid (PFUnA)	ND	2.00	"								
Perfluorododecanoic acid (PFDoA)	ND	2.00	"								
Perfluorotridecanoic acid (PFTriDA)	ND	2.00	"								
Perfluorotetradecanoic acid (PFTA)	ND	2.00	"								
N-MeFOSAA	ND	2.00	"								
N-EtFOSAA	ND	2.00	"								
Perfluoropentanoic acid (PFPeA)	ND	2.00	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	2.00	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	2.00	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	2.00	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND	5.00	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND	2.00	"								
Perfluoro-n-butanoic acid (PFBA)	ND	2.00	"								
Surrogate: M3PFBS	49.1		"	74.3		66.1	25-150				
Surrogate: M5PFHxA	43.0		"	80.0		53.7	25-150				
Surrogate: M4PFHpA	38.3		"	80.0		47.9	25-150				
Surrogate: M3PFHxS	45.4		"	75.7		59.9	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	37.7		"	80.0		47.1	25-150				
Surrogate: M6PFDA	38.1		"	80.0		47.6	25-150				
Surrogate: M7PFUdA	27.6		"	80.0		34.6	25-150				
Surrogate: Perfluoro-n- [1,2-13C2]dodecanoic acid (MPFDoA)	22.4		"	80.0		28.0	25-150				
Surrogate: M2PFTeDA	20.3		"	80.0		25.4	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	53.4		"	80.0		66.7	25-150				
Surrogate: Perfluoro-1- [13C8]octanesulfonic acid (M8PFOS)	45.5		"	76.6		59.5	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	50.8		"	80.0		63.5	25-150				
Surrogate: Perfluoro-1- [13C8]octanesulfonamide (M8FOSA)	44.2		"	80.0		55.3	10-150				
Surrogate: d3-N-MeFOSAA	42.2		"	80.0		52.8	25-150				
Surrogate: d5-N-EtFOSAA	43.0		"	80.0		53.8	25-150				
Surrogate: M2-6:2 FTS	30.3		"	75.9		39.9	25-150				
Surrogate: M2-8:2 FTS	33.3		"	76.6		43.5	25-150				
Surrogate: M9PFNA	45.1		"	80.0		56.4	25-150				



PFAS Target compounds by LC/MS-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 BB00037 - SPE Ext-PFAS-EPA 537.1M											
LCS (BB00037-BS1)						Prepared: 02/03/2020 Analyzed: 02/04/2020					
Perfluorobutanesulfonic acid (PFBS)	70.3	2.00	ng/L	70.8		99.3	50-130				
Perfluorohexanoic acid (PFHxA)	74.2	2.00	"	80.0		92.7	50-130				
Perfluoroheptanoic acid (PFHpA)	82.1	2.00	"	80.0		103	50-130				
Perfluorohexanesulfonic acid (PFHxS)	59.1	2.00	"	59.2		99.8	50-130				
Perfluorooctanoic acid (PFOA)	71.3	2.00	"	80.0		89.2	50-130				
Perfluorooctanesulfonic acid (PFOS)	58.8	2.00	"	58.4		101	50-130				
Perfluorononanoic acid (PFNA)	64.2	2.00	"	76.8		83.6	50-130				
Perfluorodecanoic acid (PFDA)	72.8	2.00	"	80.0		91.0	50-130				
Perfluoroundecanoic acid (PFUnA)	77.7	2.00	"	80.0		97.1	50-130				
Perfluorododecanoic acid (PFDoA)	65.1	2.00	"	80.0		81.3	50-130				
Perfluorotridecanoic acid (PFTDA)	47.2	2.00	"	80.0		58.9	50-130				
Perfluorotetradecanoic acid (PFTA)	74.2	2.00	"	80.0		92.8	50-130				
N-MeFOSAA	73.0	2.00	"	80.0		91.3	50-130				
N-EtFOSAA	78.4	2.00	"	80.0		98.1	50-130				
Perfluoropentanoic acid (PFPeA)	74.4	2.00	"	80.0		93.0	50-130				
Perfluoro-1-octanesulfonamide (FOSA)	75.7	2.00	"	80.0		94.6	50-130				
Perfluoro-1-heptanesulfonic acid (PFHpS)	85.2	2.00	"	79.6		107	50-130				
Perfluoro-1-decanesulfonic acid (PFDS)	50.0	2.00	"	77.2		64.8	50-130				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	74.0	5.00	"	76.0		97.3	50-130				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	75.2	2.00	"	76.8		97.9	50-130				
Perfluoro-n-butanoic acid (PFBA)	79.7	2.00	"	80.0		99.6	50-130				
Surrogate: M3PFBS	52.0		"	74.3		70.0	25-150				
Surrogate: M5PFHxA	48.0		"	80.0		60.0	25-150				
Surrogate: M4PFHpA	44.8		"	80.0		56.0	25-150				
Surrogate: M3PFHxS	49.7		"	75.7		65.7	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	44.8		"	80.0		56.0	25-150				
Surrogate: M6PFDA	39.0		"	80.0		48.7	25-150				
Surrogate: M7PFUdA	38.5		"	80.0		48.1	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	24.5		"	80.0		30.6	25-150				
Surrogate: M2PFTeDA	14.3		"	80.0		17.8	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	56.4		"	80.0		70.5	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	49.0		"	76.6		64.0	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	52.6		"	80.0		65.8	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	47.5		"	80.0		59.4	10-150				
Surrogate: d3-N-MeFOSAA	47.2		"	80.0		59.0	25-150				
Surrogate: d5-N-EtFOSAA	42.2		"	80.0		52.8	25-150				
Surrogate: M2-6:2 FTS	39.6		"	75.9		52.1	25-150				
Surrogate: M2-8:2 FTS	38.5		"	76.6		50.2	25-150				
Surrogate: M9PFNA	42.9		"	80.0		53.7	25-150				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

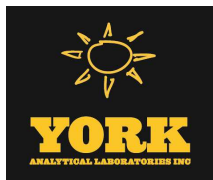
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BB00069 - SPE PFAS Extraction-Soil-EPA 537m

Blank (BB00069-BLK1)

Prepared: 02/03/2020 Analyzed: 02/05/2020

Perfluorobutanesulfonic acid (PFBS)	1.09	0.710	ug/kg wet								
Perfluorohexanoic acid (PFHxA)	ND	0.710	"								
Perfluoroheptanoic acid (PFHpA)	ND	0.710	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	0.710	"								
Perfluorooctanoic acid (PFOA)	ND	0.710	"								
Perfluorooctanesulfonic acid (PFOS)	ND	0.710	"								
Perfluorononanoic acid (PFNA)	ND	0.710	"								
Perfluorodecanoic acid (PFDA)	ND	0.710	"								
Perfluoroundecanoic acid (PFUnA)	ND	0.710	"								
Perfluorododecanoic acid (PFDoA)	ND	0.710	"								
Perfluorotridecanoic acid (PFTDA)	ND	0.710	"								
Perfluorotetradecanoic acid (PFTA)	ND	0.710	"								
N-MeFOSAA	ND	0.710	"								
N-EtFOSAA	ND	0.710	"								
Perfluoropentanoic acid (PFPeA)	ND	0.710	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	0.710	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	0.710	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	0.710	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND	0.710	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND	0.710	"								
Perfluoro-n-butanoic acid (PFBA)	ND	0.710	"								
Surrogate: M3PFBS	2.83		"	4.40		64.4	25-150				
Surrogate: M5PFHxA	2.74		"	4.73		57.9	25-150				
Surrogate: M4PFHpA	2.89		"	4.73		61.0	25-150				
Surrogate: M3PFHxS	2.89		"	4.48		64.5	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	3.25		"	4.73		68.7	25-150				
Surrogate: M6PFDA	3.08		"	4.73		65.1	25-150				
Surrogate: M7PFUdA	3.42		"	4.73		72.3	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	2.85		"	4.73		60.3	25-150				
Surrogate: M2PFTeDA	2.42		"	4.73		51.1	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	2.85		"	4.73		60.3	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	2.87		"	4.53		63.4	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	3.06		"	4.73		64.7	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	2.92		"	4.73		61.7	10-150				
Surrogate: d3-N-MeFOSAA	3.31		"	4.73		70.0	25-150				
Surrogate: d5-N-EtFOSAA	5.05		"	4.73		107	25-150				
Surrogate: M2-6:2 FTS	8.72		"	4.49		194	25-150				
Surrogate: M2-8:2 FTS	5.25		"	4.53		116	25-150				
Surrogate: M9PFNA	3.07		"	4.73		65.0	25-150				



PFAS Target compounds by LC/MS-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 BB00069 - SPE PFAS Extraction-Soil-EPA 537m

LCS (BB00069-BS1)

Prepared: 02/03/2020 Analyzed: 02/05/2020

Perfluorobutanesulfonic acid (PFBS)	4.82	0.702	ug/kg wet	4.14		116	50-130				
Perfluorohexanoic acid (PFHxA)	4.21	0.702	"	4.68		90.0	50-130				
Perfluoroheptanoic acid (PFHpA)	4.78	0.702	"	4.68		102	50-130				
Perfluorohexanesulfonic acid (PFHxS)	3.46	0.702	"	3.46		99.8	50-130				
Perfluorooctanoic acid (PFOA)	4.50	0.702	"	4.68		96.1	50-130				
Perfluorooctanesulfonic acid (PFOS)	3.50	0.702	"	3.42		102	50-130				
Perfluorononanoic acid (PFNA)	3.57	0.702	"	4.49		79.4	50-130				
Perfluorodecanoic acid (PFDA)	3.97	0.702	"	4.68		84.8	50-130				
Perfluoroundecanoic acid (PFUnA)	4.42	0.702	"	4.68		94.4	50-130				
Perfluorododecanoic acid (PFDoA)	4.37	0.702	"	4.68		93.3	50-130				
Perfluorotridecanoic acid (PFTDA)	4.27	0.702	"	4.68		91.1	50-130				
Perfluorotetradecanoic acid (PFTA)	4.13	0.702	"	4.68		88.3	50-130				
N-MeFOSAA	4.24	0.702	"	4.68		90.5	50-130				
N-EtFOSAA	4.33	0.702	"	4.68		92.5	50-130				
Perfluoropentanoic acid (PFPeA)	4.38	0.702	"	4.68		93.6	50-130				
Perfluoro-1-octanesulfonamide (FOSA)	4.58	0.702	"	4.68		97.9	50-130				
Perfluoro-1-heptanesulfonic acid (PFHpS)	4.90	0.702	"	4.66		105	50-130				
Perfluoro-1-decanesulfonic acid (PFDS)	3.77	0.702	"	4.52		83.4	50-130				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	4.52	0.702	"	4.45		102	50-130				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	4.36	0.702	"	4.49		97.1	50-130				
Perfluoro-n-butanoic acid (PFBA)	4.74	0.702	"	4.68		101	50-130				
Surrogate: M3PFBS	2.86		"	4.35		65.8	25-150				
Surrogate: M5PFHxA	2.91		"	4.68		62.3	25-150				
Surrogate: M4PFHpA	2.81		"	4.68		60.1	25-150				
Surrogate: M3PFHxS	2.93		"	4.43		66.1	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	3.01		"	4.68		64.4	25-150				
Surrogate: M6PFDA	3.44		"	4.68		73.5	25-150				
Surrogate: M7PFUDA	2.36		"	4.68		50.5	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	2.97		"	4.68		63.4	25-150				
Surrogate: M2PFTeDA	2.49		"	4.68		53.1	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	2.91		"	4.68		62.1	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	2.80		"	4.48		62.6	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	2.99		"	4.68		63.8	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	3.09		"	4.68		66.0	10-150				
Surrogate: d3-N-MeFOSAA	3.78		"	4.68		80.7	25-150				
Surrogate: d5-N-EtFOSAA	5.82		"	4.68		124	25-150				
Surrogate: M2-6:2 FTS	9.30		"	4.44		209	25-150				
Surrogate: M2-8:2 FTS	4.54		"	4.48		101	25-150				
Surrogate: M9PFNA	3.25		"	4.68		69.5	25-150				



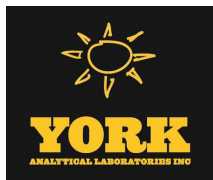
PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BB00069 - SPE PFAS Extraction-Soil-EPA 537m

Matrix Spike (BB00069-MS1)	*Source sample: 20A1084-06 (MW-1 (5-14))						Prepared: 02/03/2020 Analyzed: 02/06/2020				
Perfluorobutanesulfonic acid (PFBS)	5.00	0.816	ug/kg dry	4.81	ND	104	25-150				
Perfluorohexanoic acid (PFHxA)	5.43	0.816	"	5.44	ND	99.9	25-150				
Perfluoroheptanoic acid (PFHpA)	5.51	0.816	"	5.44	ND	101	25-150				
Perfluorohexanesulfonic acid (PFHxS)	4.84	0.816	"	4.03	ND	120	25-150				
Perfluorooctanoic acid (PFOA)	5.57	0.816	"	5.44	ND	102	25-150				
Perfluorooctanesulfonic acid (PFOS)	5.62	0.816	"	3.97	ND	141	25-150				
Perfluorononanoic acid (PFNA)	4.89	0.816	"	5.22	ND	93.6	25-150				
Perfluorodecanoic acid (PFDA)	4.75	0.816	"	5.44	ND	87.3	25-150				
Perfluoroundecanoic acid (PFUnA)	4.80	0.816	"	5.44	ND	88.2	25-150				
Perfluorododecanoic acid (PFDoA)	4.55	0.816	"	5.44	ND	83.6	25-150				
Perfluorotridecanoic acid (PFTDA)	5.27	0.816	"	5.44	ND	96.9	25-150				
Perfluorotetradecanoic acid (PFTA)	5.07	0.816	"	5.44	ND	93.2	25-150				
N-MeFOSAA	4.95	0.816	"	5.44	ND	91.0	25-150				
N-EtFOSAA	5.00	0.816	"	5.44	ND	92.0	25-150				
Perfluoropentanoic acid (PFPeA)	5.09	0.816	"	5.44	ND	93.5	25-150				
Perfluoro-1-octanesulfonamide (FOSA)	5.26	0.816	"	5.44	ND	96.6	25-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	5.82	0.816	"	5.41	ND	107	25-150				
Perfluoro-1-decanesulfonic acid (PFDS)	4.56	0.816	"	5.25	ND	86.9	25-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	5.04	0.816	"	5.17	ND	97.5	25-150				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	4.99	0.816	"	5.22	ND	95.5	25-150				
Perfluoro-n-butanoic acid (PFBA)	5.51	0.816	"	5.44	ND	101	25-150				
Surrogate: M3PFBS	3.18		"	5.05		62.9	25-150				
Surrogate: M5PFHxA	3.25		"	5.44		59.7	25-150				
Surrogate: M4PFHpA	2.70		"	5.44		49.7	25-150				
Surrogate: M3PFHxS	3.28		"	5.15		63.7	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	3.26		"	5.44		59.9	25-150				
Surrogate: M6PFDA	3.05		"	5.44		56.0	25-150				
Surrogate: M7PFUdA	2.70		"	5.44		49.6	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	3.05		"	5.44		56.1	25-150				
Surrogate: M2PFTeDA	2.80		"	5.44		51.6	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	3.35		"	5.44		61.6	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	2.93		"	5.21		56.3	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	3.48		"	5.44		64.0	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	2.99		"	5.44		54.9	10-150				
Surrogate: d3-N-MeFOSAA	4.15		"	5.44		76.3	25-150				
Surrogate: d5-N-EtFOSAA	5.40		"	5.44		99.2	25-150				
Surrogate: M2-6:2 FTS	11.1		"	5.16		216	25-150				
Surrogate: M2-8:2 FTS	9.94		"	5.21		191	25-150				
Surrogate: M9PFNA	3.41		"	5.44		62.7	25-150				



PFAS Target compounds by LC/MS-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 BB00069 - SPE PFAS Extraction-Soil-EPA 537m

Matrix Spike Dup (BB00069-MSD1)	*Source sample: 20A1084-06 (MW-1 (5-14))					Prepared: 02/03/2020 Analyzed: 02/06/2020					
Perfluorobutanesulfonic acid (PFBS)	5.00	0.804	ug/kg dry	4.74	ND	105	25-150		0.0604	35	
Perfluorohexanoic acid (PFHxA)	5.44	0.804	"	5.36	ND	102	25-150		0.169	35	
Perfluoroheptanoic acid (PFHpA)	5.40	0.804	"	5.36	ND	101	25-150		2.02	35	
Perfluorohexanesulfonic acid (PFHxS)	4.83	0.804	"	3.96	ND	122	25-150		0.196	35	
Perfluorooctanoic acid (PFOA)	5.45	0.804	"	5.36	ND	102	25-150		2.30	35	
Perfluorooctanesulfonic acid (PFOS)	5.69	0.804	"	3.91	ND	145	25-150		1.32	35	
Perfluorononanoic acid (PFNA)	4.40	0.804	"	5.14	ND	85.6	25-150		10.5	35	
Perfluorodecanoic acid (PFDA)	4.77	0.804	"	5.36	ND	89.0	25-150		0.397	35	
Perfluoroundecanoic acid (PFUnA)	5.31	0.804	"	5.36	ND	99.1	25-150		10.1	35	
Perfluorododecanoic acid (PFDoA)	4.80	0.804	"	5.36	ND	89.7	25-150		5.46	35	
Perfluorotridecanoic acid (PFTriDA)	4.80	0.804	"	5.36	ND	89.6	25-150		9.31	35	
Perfluorotetradecanoic acid (PFTA)	4.82	0.804	"	5.36	ND	89.9	25-150		5.09	35	
N-MeFOSAA	5.05	0.804	"	5.36	ND	94.3	25-150		2.12	35	
N-EtFOSAA	5.08	0.804	"	5.36	ND	94.8	25-150		1.49	35	
Perfluoropentanoic acid (PFPeA)	5.20	0.804	"	5.36	ND	97.1	25-150		2.20	35	
Perfluoro-1-octanesulfonamide (FOSA)	5.23	0.804	"	5.36	ND	97.6	25-150		0.558	35	
Perfluoro-1-heptanesulfonic acid (PFHpS)	5.93	0.804	"	5.33	ND	111	25-150		1.96	35	
Perfluoro-1-decanesulfonic acid (PFDS)	4.48	0.804	"	5.17	ND	86.6	25-150		1.88	35	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	5.11	0.804	"	5.09	ND	100	25-150		1.51	35	
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	4.96	0.804	"	5.14	ND	96.4	25-150		0.627	35	
Perfluoro-n-butanoic acid (PFBA)	5.44	0.804	"	5.36	ND	102	25-150		1.18	35	
Surrogate: M3PFBS	3.09		"	4.98		62.2	25-150				
Surrogate: M5PFHxA	3.14		"	5.36		58.6	25-150				
Surrogate: M4PFHpA	2.76		"	5.36		51.5	25-150				
Surrogate: M3PFHxS	3.14		"	5.07		62.0	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	3.37		"	5.36		62.9	25-150				
Surrogate: M6PFDA	2.81		"	5.36		52.5	25-150				
Surrogate: M7PFUdA	2.67		"	5.36		49.9	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	2.77		"	5.36		51.6	25-150				
Surrogate: M2PFTeDA	2.73		"	5.36		50.9	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	3.30		"	5.36		61.7	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	2.83		"	5.13		55.2	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	3.36		"	5.36		62.6	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	2.78		"	5.36		51.9	10-150				
Surrogate: d3-N-MeFOSAA	3.98		"	5.36		74.3	25-150				
Surrogate: d5-N-EtFOSAA	5.15		"	5.36		96.1	25-150				
Surrogate: M2-6:2 FTS	10.2		"	5.08		200	25-150				
Surrogate: M2-8:2 FTS	10.2		"	5.13		198	25-150				
Surrogate: M9PFNA	3.24		"	5.36		60.5	25-150				



Miscellaneous Physical 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 BB00205 - % Solids Prep

Duplicate (BB00205-DUP1)		*Source sample: 20A1084-06 (MW-1 (5-14))						Prepared & Analyzed: 02/05/2020			
% Solids	82.5	0.100	%		85.2				3.24	20	





Sample and Data Qualifiers Relating to This Work Order

PFSu-L	The isotopically labeled surrogate recovered below lab control limits due to a matrix effect. Isotope Dilution was applied.
PFSu-H	The isotopically labeled surrogate recovered above lab control limits due to a matrix effect. Isotope Dilution was applied.
PF-CCV-L	The CCV recovery was slightly below acceptable limits for the qualified compound. However, sample results are not biased low because results are corrected for isotope recovery.
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.

120 RESEARCH DR. STRATFORD, CT 06615
(203) 325-1371 FAX (203) 357-0166

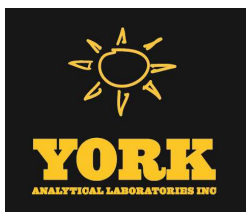
Field Chain-of-Custody Record

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

York Project No. 20A1084

YOUR Information		Report To:		Invoice To:		YOUR Project ID		Turn-Around Time		Report Type			
Company: HES, Inc.	Address: One Deans Bridge Road Somers, New York 10589	Company: <i>Serve</i>	Address: 	Company: <i>Serve</i>	Address: 	130 Midland Avenue, Port Chester, New York		RUSH - Same Day ☐	Summary Report ☒	CT RCP Package ☐	Summary w/ QA Summary ☒		
Contact Person: 	Phone No. 212-276-2560	Attention: 	Phone No. 	Attention: 	Phone No. 			RUSH - Two Day ☐	CTRCP DOA/DUE Pkg ☐	NY ASP A Package ☐	NY ASP B Package ☒		
E-Mail Address: 		E-Mail Address: 		E-Mail Address: 		Samples from: CT NY NJ		RUSH - Three Day ☐	NIDEF Red. Deliv. ☐	Electronic Data Deliverables (EDD) ☐			
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 S - soil Other - specify (oil, etc.) WW - wastewater GW - groundwater DW - drinking water Air-A - ambient air Air-SV - soil vapor		Volatiles 8260 full TICs 624 Site Spec. STARS list Nassau Co. BTX Suffolk Co. MTBE Ketones TCL list Oxygenates TAGM list TCLP list CT RCP list 524.2 Arom. only 302.2 Halogen only NIDEF list App IX list SFLP or TCLP 8021B list		Semi-Vols Resuspended 8270 or 625 RCRA8 STARS list 8081 Pest BN Only 815 Herb Acids Only CT RCP PAH list App. IX TAGM list Site Spec. CT RCP list SFLP or TCLP TCL list TCLP Herb NIDEF list Chlordane App IX list SFLP or TCLP TCLP BNA 608 Pest SFLP or TCLP 608 PCB		Misc. Org. TPH GRO TPH DRO CT ETPH NY 310-13 TPH 1664 Air TO14A Air TO15 Air STARS Air VPH Air TICs Methane Helium		Full Lists Pri. Poll. TCL Organics TAL MatCn Full TCLP Full App. IX Part 360-Revised Heterocyclics Part 360-Baseline Part 360-Expanded Part 360-Unlabeled NYDEP Sewer Asbestos Silica		Misc. Corrosivity Reactivity Ignitability Flash Point Sieve Anal. Heterocyclics TOX BTU/lb. Aquatic Tox. TOC	
Patrick Montuori Name (printed)		Date Sampled 1-29-20		Sample Matrix S		Choose Analyses Needed from the Menu Above and Enter Below		Container Description(s) (1) 250 ml HDPE		York Regulatory Comparison Excel Spreadsheet Compare to the following Regs. (please fill in):			
CB-7 (4-8)		1-29-20		S		PFAS		I		(1) 250 ml HDPE			
CB-8 (4-8)		1-29-20		+		PFAS		I		(1) 250 ml HDPE			
CB-9 (4-8)		1-29-20		+		PFAS		I		(1) 250 ml HDPE			
CB-10 (4-8)		1-29-20		+		PFAS		I		(1) 250 ml HDPE			
MW-3 (5-9)		1-29-20		+		PFAS		I		(1) 250 ml HDPE			
MW-1 (5-14)		1-29-20		+		PFAS		I		(1) 250 ml HDPE			
Field Blank		1-29-20		DL		PFAS		I		(1) 250 ml HDPE			
Comments Use MW-1 (5-14) for MS/MS analysis		Preservation Check those Applicable Special Instructions Field Filtered ☐ Lab to Filter ☐		4°C _____ Frozen _____ HCl _____ MeOH _____ ZnAc _____ Ascorbic Acid _____ HNO ₃ _____ Other _____		Samples Relinquished By Antille Moya 1-30-20 13:30 Samples Received By Chin C 1-30-20 17:30 Date/Time 1/30/20 15:04		Temperature on Receipt 23 °C					



Technical Report

prepared for:

Hydro Environmental Solutions

One Deans Bridge Road

Somers NY, 10589

Attention: Bill Canavan

Report Date: 02/07/2020

Client Project ID: 130 Midland Avenue, Port Chester, New York

York Project (SDG) No.: 20A1088

CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037



New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

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RICHMOND HILL, NY 11418
ClientServices@yorklab.com

Hydro Environmental Solutions

One Deans Bridge Road
Somers NY, 10589
Attention: Bill Canavan

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on January 30, 2020 and listed below. The project was identified as your project: **130 Midland Avenue, Port Chester, New York.**

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>
20A1088-01	GB-7 (4-8)	Soil	01/29/2020	01/30/2020
20A1088-02	GB-7 (12-16)	Soil	01/29/2020	01/30/2020
20A1088-03	GB-8 (0-4)	Soil	01/29/2020	01/30/2020
20A1088-04	GB-8 (8-12)	Soil	01/29/2020	01/30/2020
20A1088-05	MW-6 (4-8)	Soil	01/29/2020	01/30/2020
20A1088-06	GB-10 (4-8)	Soil	01/29/2020	01/30/2020
20A1088-07	MW-3 (5-9)	Soil	01/29/2020	01/30/2020
20A1088-08	MW-1 (5-14)	Soil	01/29/2020	01/30/2020
20A1088-09	Trip Blank	Water	01/29/2020	01/30/2020

General Notes for York Project (SDG) No.: 20A1088

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:



Benjamin Gulizia
Laboratory Director

Date: 02/07/2020





Sample Information

Client Sample ID: GB-7 (4-8)

York Sample ID: 20A1088-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1088

130 Midland Avenue, Port Chester, New York

Soil

January 29, 2020 12:00 am

01/30/2020

Volatiles, 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	0.0047	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:24	02/04/2020 08:40	LLJ
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0047	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:24	02/04/2020 08:40	LLJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0047	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:24	02/04/2020 08:40	LLJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0047	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	01/31/2020 06:24	02/04/2020 08:40	LLJ
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0047	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:24	02/04/2020 08:40	LLJ
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0047	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:24	02/04/2020 08:40	LLJ
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0047	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:24	02/04/2020 08:40	LLJ
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0047	0.0093	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:24	02/04/2020 08:40	LLJ
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0047	0.0093	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:24	02/04/2020 08:40	LLJ
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0047	0.0093	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	01/31/2020 06:24	02/04/2020 08:40	LLJ
95-93-2	* 1,2,4,5-Tetramethylbenzene	ND		mg/kg dry	0.0047	0.0093	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 08:40	LLJ
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0047	0.0093	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:24	02/04/2020 08:40	LLJ
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0047	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:24	02/04/2020 08:40	LLJ
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0047	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:24	02/04/2020 08:40	LLJ
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0047	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:24	02/04/2020 08:40	LLJ
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0047	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:24	02/04/2020 08:40	LLJ
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0047	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:24	02/04/2020 08:40	LLJ
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0047	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:24	02/04/2020 08:40	LLJ
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0047	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:24	02/04/2020 08:40	LLJ
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0047	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:24	02/04/2020 08:40	LLJ
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0047	0.0093	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:24	02/04/2020 08:40	LLJ
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0047	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:24	02/04/2020 08:40	LLJ



Sample Information

Client Sample ID: GB-7 (4-8)

York Sample ID: 20A1088-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1088

130 Midland Avenue, Port Chester, New York

Soil

January 29, 2020 12:00 am

01/30/2020

Volatiles, 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
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.093	0.19	1	EPA 8260C Certifications:	01/31/2020 06:24 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 08:40	LLJ
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0047	0.0093	1	EPA 8260C Certifications:	01/31/2020 06:24 NELAC-NY10854,NELAC-NY12058,NJDEP	02/04/2020 08:40	LLJ
78-93-3	2-Butanone	ND		mg/kg dry	0.0047	0.0093	1	EPA 8260C Certifications:	01/31/2020 06:24 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 08:40	LLJ
110-75-8	2-Chloroethylvinyl ether	ND		mg/kg dry	0.019	0.037	1	EPA 8260C Certifications:	01/31/2020 06:24 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 08:40	LLJ
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0047	0.0093	1	EPA 8260C Certifications:	01/31/2020 06:24 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 08:40	LLJ
591-78-6	2-Hexanone	ND		mg/kg dry	0.0047	0.0093	1	EPA 8260C Certifications:	01/31/2020 06:24 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 08:40	LLJ
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0047	0.0093	1	EPA 8260C Certifications:	01/31/2020 06:24 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 08:40	LLJ
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0047	0.0093	1	EPA 8260C Certifications:	01/31/2020 06:24 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 08:40	LLJ
67-64-1	Acetone	0.055		mg/kg dry	0.0093	0.019	1	EPA 8260C Certifications:	01/31/2020 06:24 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 08:40	LLJ
107-02-8	Acrolein	ND		mg/kg dry	0.0093	0.019	1	EPA 8260C Certifications:	01/31/2020 06:24 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 08:40	LLJ
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0047	0.0093	1	EPA 8260C Certifications:	01/31/2020 06:24 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 08:40	LLJ
71-43-2	Benzene	ND		mg/kg dry	0.0047	0.0093	1	EPA 8260C Certifications:	01/31/2020 06:24 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 08:40	LLJ
108-86-1	Bromobenzene	ND		mg/kg dry	0.0047	0.0093	1	EPA 8260C Certifications:	01/31/2020 06:24 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 08:40	LLJ
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0047	0.0093	1	EPA 8260C Certifications:	01/31/2020 06:24 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 08:40	LLJ
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0047	0.0093	1	EPA 8260C Certifications:	01/31/2020 06:24 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 08:40	LLJ
75-25-2	Bromoform	ND		mg/kg dry	0.0047	0.0093	1	EPA 8260C Certifications:	01/31/2020 06:24 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 08:40	LLJ
74-83-9	Bromomethane	ND		mg/kg dry	0.0047	0.0093	1	EPA 8260C Certifications:	01/31/2020 06:24 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 08:40	LLJ
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0047	0.0093	1	EPA 8260C Certifications:	01/31/2020 06:24 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 08:40	LLJ
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0047	0.0093	1	EPA 8260C Certifications:	01/31/2020 06:24 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 08:40	LLJ
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0047	0.0093	1	EPA 8260C Certifications:	01/31/2020 06:24 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 08:40	LLJ
75-00-3	Chloroethane	ND		mg/kg dry	0.0047	0.0093	1	EPA 8260C Certifications:	01/31/2020 06:24 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 08:40	LLJ
67-66-3	Chloroform	ND		mg/kg dry	0.0047	0.0093	1	EPA 8260C Certifications:	01/31/2020 06:24 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 08:40	LLJ
74-87-3	Chloromethane	ND		mg/kg dry	0.0047	0.0093	1	EPA 8260C Certifications:	01/31/2020 06:24 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 08:40	LLJ



Sample Information

Client Sample ID: GB-7 (4-8)

York Sample ID: 20A1088-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1088

130 Midland Avenue, Port Chester, New York

Soil

January 29, 2020 12:00 am

01/30/2020

Volatiles, 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
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0047	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:24	02/04/2020 08:40	LLJ
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0047	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:24	02/04/2020 08:40	LLJ
110-82-7	Cyclohexane	ND		mg/kg dry	0.0047	0.0093	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:24	02/04/2020 08:40	LLJ
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0047	0.0093	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:24	02/04/2020 08:40	LLJ
74-95-3	Dibromomethane	ND		mg/kg dry	0.0047	0.0093	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:24	02/04/2020 08:40	LLJ
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0047	0.0093	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:24	02/04/2020 08:40	LLJ
108-20-3	* Diisopropyl ether (DIPE)	ND		mg/kg dry	0.0075	0.015	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 08:40	LLJ
64-17-5	* Ethanol	ND		mg/kg dry	0.075	0.15	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 08:40	LLJ
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0047	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:24	02/04/2020 08:40	LLJ
637-92-3	* Ethyl tert-butyl ether (ETBE)	ND		mg/kg dry	0.0075	0.015	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 08:40	LLJ
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0047	0.0093	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:24	02/04/2020 08:40	LLJ
74-88-4	* Iodomethane	ND		mg/kg dry	0.0047	0.0093	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 08:40	LLJ
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0047	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:24	02/04/2020 08:40	LLJ
79-20-9	Methyl acetate	ND		mg/kg dry	0.0047	0.0093	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:24	02/04/2020 08:40	LLJ
80-62-6	Methyl Methacrylate	ND		mg/kg dry	0.0047	0.0093	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	01/31/2020 06:24	02/04/2020 08:40	LLJ
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0047	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:24	02/04/2020 08:40	LLJ
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0047	0.0093	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:24	02/04/2020 08:40	LLJ
75-09-2	Methylene chloride	ND		mg/kg dry	0.0093	0.019	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:24	02/04/2020 08:40	LLJ
91-20-3	Naphthalene	ND		mg/kg dry	0.0047	0.019	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:24	02/04/2020 08:40	LLJ
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0047	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:24	02/04/2020 08:40	LLJ
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0047	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:24	02/04/2020 08:40	LLJ
95-47-6	o-Xylene	ND		mg/kg dry	0.0047	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:24	02/04/2020 08:40	LLJ
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0093	0.019	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:24	02/04/2020 08:40	LLJ



Sample Information

Client Sample ID: GB-7 (4-8)

York Sample ID: 20A1088-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1088

130 Midland Avenue, Port Chester, New York

Soil

January 29, 2020 12:00 am

01/30/2020

Volatiles, 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
105-05-5	* p-Diethylbenzene	ND		mg/kg dry	0.0047	0.0093	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 08:40	LLJ
622-96-8	* p-Ethyltoluene	ND		mg/kg dry	0.0047	0.0093	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 08:40	LLJ
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0047	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:24	02/04/2020 08:40	LLJ
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0047	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:24	02/04/2020 08:40	LLJ
100-42-5	Styrene	ND		mg/kg dry	0.0047	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:24	02/04/2020 08:40	LLJ
75-85-4	* tert-Amyl alcohol (TAA)	ND		mg/kg dry	0.075	0.15	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 08:40	LLJ
994-05-8	* tert-Amyl methyl ether (TAME)	ND		mg/kg dry	0.0075	0.015	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 08:40	LLJ
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0047	0.0093	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:24	02/04/2020 08:40	LLJ
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0047	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:24	02/04/2020 08:40	LLJ
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0047	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:24	02/04/2020 08:40	LLJ
109-99-9	* Tetrahydrofuran	ND		mg/kg dry	0.0093	0.019	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 08:40	LLJ
108-88-3	Toluene	ND		mg/kg dry	0.0047	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:24	02/04/2020 08:40	LLJ
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0047	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:24	02/04/2020 08:40	LLJ
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0047	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:24	02/04/2020 08:40	LLJ
110-57-6	* trans-1,4-dichloro-2-butene	ND		mg/kg dry	0.0047	0.0093	1	EPA 8260C Certifications: CTDOH	01/31/2020 06:24	02/04/2020 08:40	LLJ
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0047	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:24	02/04/2020 08:40	LLJ
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0047	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:24	02/04/2020 08:40	LLJ
108-05-4	Vinyl acetate	ND		mg/kg dry	0.0047	0.0093	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:24	02/04/2020 08:40	LLJ
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0047	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:24	02/04/2020 08:40	LLJ
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.014	0.028	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	01/31/2020 06:24	02/04/2020 08:40	LLJ
107-05-1	* Allyl chloride	ND		mg/kg dry	0.0047	0.0093	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 08:40	LLJ
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	108 %	77-125								
2037-26-5	Surrogate: SURR: Toluene-d8	99.7 %	85-120								



Sample Information

Client Sample ID: GB-7 (4-8)

York Sample ID: 20A1088-01

York Project (SDG) No.

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130 Midland Avenue, Port Chester, New York

Soil

January 29, 2020 12:00 am

01/30/2020

Volatiles, 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
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	98.1 %			76-130						

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

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	0.0537	0.107	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/05/2020 23:29	OW
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.107	0.214	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/05/2020 23:29	OW
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/05/2020 23:29	OW
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/04/2020 13:52	02/05/2020 23:29	OW
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/05/2020 23:29	OW
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/04/2020 13:52	02/05/2020 23:29	OW
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/04/2020 13:52	02/05/2020 23:29	OW
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.107	0.214	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/05/2020 23:29	OW
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/05/2020 23:29	OW
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/05/2020 23:29	OW
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/05/2020 23:29	OW
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/05/2020 23:29	OW
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.107	0.214	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/05/2020 23:29	OW
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/05/2020 23:29	OW
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/05/2020 23:29	OW
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/05/2020 23:29	OW
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/05/2020 23:29	OW
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/05/2020 23:29	OW
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/05/2020 23:29	OW



Sample Information

Client Sample ID: GB-7 (4-8)

York Sample ID: 20A1088-01

York Project (SDG) No.

Client Project ID

Matrix

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20A1088

130 Midland Avenue, Port Chester, New York

Soil

January 29, 2020 12:00 am

01/30/2020

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.107	0.214	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 23:29	OW
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 23:29	OW
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 23:29	OW
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications:	02/04/2020 13:52 NELAC-NY10854,NJDEP,PADEP	02/05/2020 23:29	OW
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.107	0.214	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 23:29	OW
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.107	0.214	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 23:29	OW
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 23:29	OW
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 23:29	OW
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 23:29	OW
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 23:29	OW
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.107	0.214	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 23:29	OW
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.107	0.214	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 23:29	OW
83-32-9	Acenaphthene	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 23:29	OW
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 23:29	OW
98-86-2	Acetophenone	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications:	02/04/2020 13:52 NELAC-NY10854,NJDEP,PADEP	02/05/2020 23:29	OW
62-53-3	Aniline	ND		mg/kg dry	0.215	0.429	2	EPA 8270D Certifications:	02/04/2020 13:52 NELAC-NY10854,NJDEP,PADEP	02/05/2020 23:29	OW
120-12-7	Anthracene	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 23:29	OW
1912-24-9	Atrazine	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications:	02/04/2020 13:52 NELAC-NY10854,NJDEP,PADEP	02/05/2020 23:29	OW
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications:	02/04/2020 13:52 NELAC-NY10854,NJDEP,PADEP	02/05/2020 23:29	OW
92-87-5	Benzidine	ND		mg/kg dry	0.215	0.429	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,PADEP	02/05/2020 23:29	OW
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 23:29	OW
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 23:29	OW
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 23:29	OW



Sample Information

Client Sample ID: GB-7 (4-8)

York Sample ID: 20A1088-01

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130 Midland Avenue, Port Chester, New York

Soil

January 29, 2020 12:00 am

01/30/2020

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 23:29	OW
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 23:29	OW
65-85-0	Benzoic acid	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications:	02/04/2020 13:52 NELAC-NY10854,NJDEP,PADEP	02/05/2020 23:29	OW
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications:	02/04/2020 13:52 NELAC-NY10854,NJDEP,PADEP	02/05/2020 23:29	OW
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 23:29	OW
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 23:29	OW
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 23:29	OW
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 23:29	OW
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 23:29	OW
105-60-2	Caprolactam	ND		mg/kg dry	0.107	0.214	2	EPA 8270D Certifications:	02/04/2020 13:52 NELAC-NY10854,NJDEP,PADEP	02/05/2020 23:29	OW
86-74-8	Carbazole	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 23:29	OW
218-01-9	Chrysene	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 23:29	OW
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 23:29	OW
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 23:29	OW
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 23:29	OW
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 23:29	OW
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 23:29	OW
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 23:29	OW
206-44-0	Fluoranthene	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 23:29	OW
86-73-7	Fluorene	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications:	02/04/2020 13:52 NELAC-NY10854,NJDEP,PADEP	02/05/2020 23:29	OW
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 23:29	OW
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 23:29	OW
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 23:29	OW



Sample Information

Client Sample ID: GB-7 (4-8)

York Sample ID: 20A1088-01

York Project (SDG) No.

Client Project ID

Matrix

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Date Received

20A1088

130 Midland Avenue, Port Chester, New York

Soil

January 29, 2020 12:00 am

01/30/2020

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/05/2020 23:29	OW
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/05/2020 23:29	OW
78-59-1	Isophorone	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/05/2020 23:29	OW
91-20-3	Naphthalene	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/05/2020 23:29	OW
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/05/2020 23:29	OW
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/05/2020 23:29	OW
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/05/2020 23:29	OW
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/05/2020 23:29	OW
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/05/2020 23:29	OW
85-01-8	Phenanthrene	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/05/2020 23:29	OW
108-95-2	Phenol	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/05/2020 23:29	OW
129-00-0	Pyrene	ND	CCV-L	mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/05/2020 23:29	OW
110-86-1	Pyridine	ND		mg/kg dry	0.215	0.429	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/05/2020 23:29	OW
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: SURR: 2-Fluorophenol	53.9 %	20-108								
4165-62-2	Surrogate: SURR: Phenol-d5	58.1 %	23-114								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	65.8 %	22-108								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	57.4 %	21-113								
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	96.2 %	19-110								
1718-51-0	Surrogate: SURR: Terphenyl-d14	57.1 %	24-116								

Semi-Volatiles, 1,4-Dioxane by 8270-SIM

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
123-91-1	1,4-Dioxane	ND		ug/kg	9.90	1	EPA 8270D SIM Certifications: NELAC-NY10854	02/03/2020 08:00	02/06/2020 23:07	KH
Surrogate Recoveries		Result	Acceptance Range							
17647-74-4	Surrogate: 1,4-Dioxane-d8	48.0 %	39-83.1							



Sample Information

Client Sample ID: GB-7 (4-8)

York Sample ID: 20A1088-01

York Project (SDG) No.

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Matrix

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20A1088

130 Midland Avenue, Port Chester, New York

Soil

January 29, 2020 12:00 am

01/30/2020

Pesticides, 8081 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	0.00211	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:39	02/05/2020 18:56	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00211	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:39	02/05/2020 18:56	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00211	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:39	02/05/2020 18:56	CM
309-00-2	Aldrin	ND		mg/kg dry	0.00211	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:39	02/05/2020 18:56	CM
319-84-6	alpha-BHC	ND		mg/kg dry	0.00211	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:39	02/05/2020 18:56	CM
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00211	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	02/03/2020 07:39	02/05/2020 18:56	CM
319-85-7	beta-BHC	ND		mg/kg dry	0.00211	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:39	02/05/2020 18:56	CM
319-86-8	delta-BHC	ND		mg/kg dry	0.00211	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:39	02/05/2020 18:56	CM
60-57-1	Dieldrin	ND		mg/kg dry	0.00211	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:39	02/05/2020 18:56	CM
959-98-8	Endosulfan I	ND		mg/kg dry	0.00211	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:39	02/05/2020 18:56	CM
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00211	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	02/03/2020 07:39	02/05/2020 18:56	CM
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00211	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:39	02/05/2020 18:56	CM
72-20-8	Endrin	ND		mg/kg dry	0.00211	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:39	02/05/2020 18:56	CM
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00211	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:39	02/05/2020 18:56	CM
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00211	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:39	02/05/2020 18:56	CM
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00211	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:39	02/05/2020 18:56	CM
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00211	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	02/03/2020 07:39	02/05/2020 18:56	CM
76-44-8	Heptachlor	ND		mg/kg dry	0.00211	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:39	02/05/2020 18:56	CM
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00211	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:39	02/05/2020 18:56	CM
72-43-5	Methoxychlor	ND		mg/kg dry	0.00211	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:39	02/05/2020 18:56	CM
8001-35-2	Toxaphene	ND		mg/kg dry	0.211	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:39	02/05/2020 18:56	CM
57-74-9	* Chlordane, total	ND		mg/kg dry	0.0423	5	EPA 8081B Certifications:	02/03/2020 07:39	02/05/2020 18:56	CM
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	53.5 %	30-150							



Sample Information

Client Sample ID: GB-7 (4-8)

York Sample ID: 20A1088-01

York Project (SDG) No.

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20A1088

130 Midland Avenue, Port Chester, New York

Soil

January 29, 2020 12:00 am

01/30/2020

Pesticides, 8081 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
877-09-8	Surrogate: Tetrachloro-m-xylene	54.1 %			30-150					

Polychlorinated Biphenyls (PCB), 8082 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
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0213	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/03/2020 07:39	02/03/2020 19:59	SR
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0213	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/03/2020 07:39	02/03/2020 19:59	SR
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0213	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/03/2020 07:39	02/03/2020 19:59	SR
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0213	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/03/2020 07:39	02/03/2020 19:59	SR
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0213	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/03/2020 07:39	02/03/2020 19:59	SR
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0213	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/03/2020 07:39	02/03/2020 19:59	SR
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0213	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/03/2020 07:39	02/03/2020 19:59	SR
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0213	1	EPA 8082A Certifications:	02/03/2020 07:39	02/03/2020 19:59	SR

Surrogate Recoveries		Result	Acceptance Range
877-09-8	Surrogate: Tetrachloro-m-xylene	62.0 %	30-120
2051-24-3	Surrogate: Decachlorobiphenyl	47.5 %	30-120

Herbicides, 8151 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

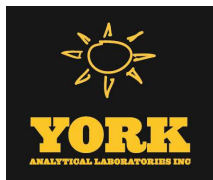
CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0256	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:42	02/03/2020 20:12	SR
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0256	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:42	02/03/2020 20:12	SR
94-75-7	2,4-D	ND		mg/kg dry	0.0256	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:42	02/03/2020 20:12	SR

Surrogate Recoveries		Result	Acceptance Range
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	63.6 %	21-150

Metals, Target Analyte

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: GB-7 (4-8)

York Sample ID: 20A1088-01

York Project (SDG) No.

Client Project ID

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20A1088

130 Midland Avenue, Port Chester, New York

Soil

January 29, 2020 12:00 am

01/30/2020

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	7210	B	mg/kg dry	6.45	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 12:50	JAM
7440-36-0	Antimony	ND		mg/kg dry	3.22	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 12:50	JAM
7440-38-2	Arsenic	13.4		mg/kg dry	1.93	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 12:50	JAM
7440-39-3	Barium	107		mg/kg dry	3.22	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 12:50	JAM
7440-41-7	Beryllium	ND		mg/kg dry	0.064	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 12:50	JAM
7440-43-9	Cadmium	ND		mg/kg dry	0.387	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 12:50	JAM
7440-70-2	Calcium	8770		mg/kg dry	6.45	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 12:50	JAM
7440-47-3	Chromium	17.5		mg/kg dry	0.645	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 12:50	JAM
7440-48-4	Cobalt	8.64		mg/kg dry	0.516	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 12:50	JAM
7440-50-8	Copper	91.2		mg/kg dry	2.58	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 12:50	JAM
7439-89-6	Iron	20300		mg/kg dry	32.2	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 12:50	JAM
7439-92-1	Lead	439		mg/kg dry	0.645	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 12:50	JAM
7439-95-4	Magnesium	4710		mg/kg dry	6.45	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 12:50	JAM
7439-96-5	Manganese	229		mg/kg dry	0.645	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 12:50	JAM
7440-02-0	Nickel	22.2		mg/kg dry	1.29	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 12:50	JAM
7440-09-7	Potassium	1530		mg/kg dry	6.45	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 12:50	JAM
7782-49-2	Selenium	ND		mg/kg dry	3.22	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 12:50	JAM
7440-22-4	Silver	ND		mg/kg dry	0.645	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 12:50	JAM
7440-23-5	Sodium	505		mg/kg dry	64.5	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 12:50	JAM
7440-28-0	Thallium	ND		mg/kg dry	3.22	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 12:50	JAM
7440-62-2	Vanadium	22.4		mg/kg dry	1.29	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 12:50	JAM
7440-66-6	Zinc	88.6		mg/kg dry	3.22	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 12:50	JAM



Sample Information

Client Sample ID: GB-7 (4-8)

York Sample ID: 20A1088-01

York Project (SDG) No.

Client Project ID

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Date Received

20A1088

130 Midland Avenue, Port Chester, New York

Soil

January 29, 2020 12:00 am

01/30/2020

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	0.194		mg/kg dry	0.0387	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	01/30/2020 16:26	01/30/2020 19:30	MAO

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	77.6		%	0.100	1	SM 2540G Certifications: CTDOH	01/31/2020 10:16	01/31/2020 18:56	STN

Sample Information

Client Sample ID: GB-7 (12-16)

York Sample ID: 20A1088-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1088

130 Midland Avenue, Port Chester, New York

Soil

January 29, 2020 12:00 am

01/30/2020

Volatiles, 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	01/31/2020 06:24	02/04/2020 09:06	LLJ
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	01/31/2020 06:24	02/04/2020 09:06	LLJ
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	01/31/2020 06:24	02/04/2020 09:06	LLJ
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	01/31/2020 06:24	02/04/2020 09:06	LLJ
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	01/31/2020 06:24	02/04/2020 09:06	LLJ
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	01/31/2020 06:24	02/04/2020 09:06	LLJ
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	01/31/2020 06:24	02/04/2020 09:06	LLJ
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:24	02/04/2020 09:06	LLJ
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	01/31/2020 06:24	02/04/2020 09:06	LLJ
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	01/31/2020 06:24	02/04/2020 09:06	LLJ



Sample Information

Client Sample ID: GB-7 (12-16)

York Sample ID: 20A1088-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1088

130 Midland Avenue, Port Chester, New York

Soil

January 29, 2020 12:00 am

01/30/2020

Volatiles, 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
95-93-2	* 1,2,4,5-Tetramethylbenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 09:06	LLJ
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	01/31/2020 06:24	02/04/2020 09:06	LLJ
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	01/31/2020 06:24	02/04/2020 09:06	LLJ
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	01/31/2020 06:24	02/04/2020 09:06	LLJ
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	01/31/2020 06:24	02/04/2020 09:06	LLJ
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	01/31/2020 06:24	02/04/2020 09:06	LLJ
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	01/31/2020 06:24	02/04/2020 09:06	LLJ
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	01/31/2020 06:24	02/04/2020 09:06	LLJ
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	01/31/2020 06:24	02/04/2020 09:06	LLJ
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	01/31/2020 06:24	02/04/2020 09:06	LLJ
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:24	02/04/2020 09:06	LLJ
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	01/31/2020 06:24	02/04/2020 09:06	LLJ
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.060	0.12	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:24	02/04/2020 09:06	LLJ
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	01/31/2020 06:24	02/04/2020 09:06	LLJ
78-93-3	2-Butanone	0.011		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:24	02/04/2020 09:06	LLJ
110-75-8	2-Chloroethylvinyl ether	ND		mg/kg dry	0.012	0.024	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:24	02/04/2020 09:06	LLJ
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:24	02/04/2020 09:06	LLJ
591-78-6	2-Hexanone	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:24	02/04/2020 09:06	LLJ
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:24	02/04/2020 09:06	LLJ
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	01/31/2020 06:24	02/04/2020 09:06	LLJ
67-64-1	Acetone	0.038		mg/kg dry	0.0060	0.012	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:24	02/04/2020 09:06	LLJ
107-02-8	Acrolein	ND		mg/kg dry	0.0060	0.012	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:24	02/04/2020 09:06	LLJ
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:24	02/04/2020 09:06	LLJ



Sample Information

Client Sample ID: GB-7 (12-16)

York Sample ID: 20A1088-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1088

130 Midland Avenue, Port Chester, New York

Soil

January 29, 2020 12:00 am

01/30/2020

Volatiles, 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
71-43-2	Benzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 09:06	LLJ
108-86-1	Bromobenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 09:06	LLJ
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 09:06	LLJ
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 09:06	LLJ
75-25-2	Bromoform	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 09:06	LLJ
74-83-9	Bromomethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 09:06	LLJ
75-15-0	Carbon disulfide	0.0035	J	mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 09:06	LLJ
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 09:06	LLJ
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 09:06	LLJ
75-00-3	Chloroethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 09:06	LLJ
67-66-3	Chloroform	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 09:06	LLJ
74-87-3	Chloromethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 09:06	LLJ
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 09:06	LLJ
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 09:06	LLJ
110-82-7	Cyclohexane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 09:06	LLJ
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 09:06	LLJ
74-95-3	Dibromomethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 09:06	LLJ
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 09:06	LLJ
108-20-3	* Diisopropyl ether (DIPE)	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 09:06	LLJ
64-17-5	* Ethanol	ND		mg/kg dry	0.048	0.096	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 09:06	LLJ
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 09:06	LLJ
637-92-3	* Ethyl tert-butyl ether (ETBE)	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 09:06	LLJ
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 09:06	LLJ



Sample Information

Client Sample ID: GB-7 (12-16)

York Sample ID: 20A1088-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1088

130 Midland Avenue, Port Chester, New York

Soil

January 29, 2020 12:00 am

01/30/2020

Volatiles, 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
74-88-4	* Iodomethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 09:06	LLJ
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 09:06	LLJ
79-20-9	Methyl acetate	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 09:06	LLJ
80-62-6	Methyl Methacrylate	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 09:06	LLJ
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 09:06	LLJ
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 09:06	LLJ
75-09-2	Methylene chloride	ND		mg/kg dry	0.0060	0.012	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 09:06	LLJ
91-20-3	Naphthalene	ND		mg/kg dry	0.0030	0.012	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 09:06	LLJ
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 09:06	LLJ
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 09:06	LLJ
95-47-6	o-Xylene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 09:06	LLJ
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0060	0.012	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 09:06	LLJ
105-05-5	* p-Diethylbenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 09:06	LLJ
622-96-8	* p-Ethyltoluene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 09:06	LLJ
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 09:06	LLJ
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 09:06	LLJ
100-42-5	Styrene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 09:06	LLJ
75-85-4	* tert-Amyl alcohol (TAA)	ND		mg/kg dry	0.048	0.096	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 09:06	LLJ
994-05-8	* tert-Amyl methyl ether (TAME)	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 09:06	LLJ
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 09:06	LLJ
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 09:06	LLJ
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 09:06	LLJ
109-99-9	* Tetrahydrofuran	ND		mg/kg dry	0.0060	0.012	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 09:06	LLJ



Sample Information

Client Sample ID: GB-7 (12-16)

York Sample ID: 20A1088-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1088

130 Midland Avenue, Port Chester, New York

Soil

January 29, 2020 12:00 am

01/30/2020

Volatiles, 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
108-88-3	Toluene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:24	02/04/2020 09:06	LLJ
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	01/31/2020 06:24	02/04/2020 09:06	LLJ
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	01/31/2020 06:24	02/04/2020 09:06	LLJ
110-57-6	* trans-1,4-dichloro-2-butene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH	01/31/2020 06:24	02/04/2020 09:06	LLJ
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:24	02/04/2020 09:06	LLJ
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:24	02/04/2020 09:06	LLJ
108-05-4	Vinyl acetate	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:24	02/04/2020 09:06	LLJ
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:24	02/04/2020 09:06	LLJ
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0090	0.018	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	01/31/2020 06:24	02/04/2020 09:06	LLJ
107-05-1	* Allyl chloride	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 09:06	LLJ
Surrogate Recoveries		Result		Acceptance Range							
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	109 %				77-125					
2037-26-5	Surrogate: SURR: Toluene-d8	95.9 %				85-120					
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	102 %				76-130					

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

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	0.0659	0.131	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 00:02	OW
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.131	0.263	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 00:02	OW
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0659	0.131	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 00:02	OW
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0659	0.131	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/04/2020 13:52	02/06/2020 00:02	OW
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0659	0.131	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 00:02	OW
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0659	0.131	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/04/2020 13:52	02/06/2020 00:02	OW
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0659	0.131	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/04/2020 13:52	02/06/2020 00:02	OW



Sample Information

Client Sample ID: GB-7 (12-16)

York Sample ID: 20A1088-02

York Project (SDG) No.

Client Project ID

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20A1088

130 Midland Avenue, Port Chester, New York

Soil

January 29, 2020 12:00 am

01/30/2020

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.131	0.263	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 00:02	OW
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0659	0.131	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 00:02	OW
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0659	0.131	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 00:02	OW
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0659	0.131	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 00:02	OW
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0659	0.131	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 00:02	OW
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.131	0.263	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 00:02	OW
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0659	0.131	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 00:02	OW
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0659	0.131	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 00:02	OW
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0659	0.131	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 00:02	OW
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0659	0.131	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 00:02	OW
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0659	0.131	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 00:02	OW
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0659	0.131	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 00:02	OW
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.131	0.263	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 00:02	OW
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0659	0.131	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 00:02	OW
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0659	0.131	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 00:02	OW
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0659	0.131	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 00:02	OW
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.131	0.263	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 00:02	OW
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.131	0.263	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 00:02	OW
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0659	0.131	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 00:02	OW
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0659	0.131	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 00:02	OW
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0659	0.131	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 00:02	OW
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0659	0.131	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 00:02	OW
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.131	0.263	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 00:02	OW



Sample Information

Client Sample ID: GB-7 (12-16)

York Sample ID: 20A1088-02

York Project (SDG) No.

Client Project ID

Matrix

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20A1088

130 Midland Avenue, Port Chester, New York

Soil

January 29, 2020 12:00 am

01/30/2020

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.131	0.263	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2020 00:02	OW
83-32-9	Acenaphthene	ND		mg/kg dry	0.0659	0.131	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2020 00:02	OW
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0659	0.131	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2020 00:02	OW
98-86-2	Acetophenone	ND		mg/kg dry	0.0659	0.131	2	EPA 8270D Certifications:	02/04/2020 13:52 NELAC-NY10854,NJDEP,PADEP	02/06/2020 00:02	OW
62-53-3	Aniline	ND		mg/kg dry	0.263	0.526	2	EPA 8270D Certifications:	02/04/2020 13:52 NELAC-NY10854,NJDEP,PADEP	02/06/2020 00:02	OW
120-12-7	Anthracene	ND		mg/kg dry	0.0659	0.131	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2020 00:02	OW
1912-24-9	Atrazine	ND		mg/kg dry	0.0659	0.131	2	EPA 8270D Certifications:	02/04/2020 13:52 NELAC-NY10854,NJDEP,PADEP	02/06/2020 00:02	OW
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0659	0.131	2	EPA 8270D Certifications:	02/04/2020 13:52 NELAC-NY10854,NJDEP,PADEP	02/06/2020 00:02	OW
92-87-5	Benzidine	ND		mg/kg dry	0.263	0.526	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,PADEP	02/06/2020 00:02	OW
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0659	0.131	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2020 00:02	OW
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0659	0.131	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2020 00:02	OW
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0659	0.131	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2020 00:02	OW
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0659	0.131	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2020 00:02	OW
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0659	0.131	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2020 00:02	OW
65-85-0	Benzoic acid	ND		mg/kg dry	0.0659	0.131	2	EPA 8270D Certifications:	02/04/2020 13:52 NELAC-NY10854,NJDEP,PADEP	02/06/2020 00:02	OW
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0659	0.131	2	EPA 8270D Certifications:	02/04/2020 13:52 NELAC-NY10854,NJDEP,PADEP	02/06/2020 00:02	OW
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0659	0.131	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2020 00:02	OW
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0659	0.131	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2020 00:02	OW
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0659	0.131	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2020 00:02	OW
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0659	0.131	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2020 00:02	OW
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0659	0.131	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2020 00:02	OW
105-60-2	Caprolactam	ND		mg/kg dry	0.131	0.263	2	EPA 8270D Certifications:	02/04/2020 13:52 NELAC-NY10854,NJDEP,PADEP	02/06/2020 00:02	OW
86-74-8	Carbazole	ND		mg/kg dry	0.0659	0.131	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2020 00:02	OW



Sample Information

Client Sample ID: GB-7 (12-16)

York Sample ID: 20A1088-02

York Project (SDG) No.

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Matrix

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20A1088

130 Midland Avenue, Port Chester, New York

Soil

January 29, 2020 12:00 am

01/30/2020

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
218-01-9	Chrysene	ND		mg/kg dry	0.0659	0.131	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 00:02	OW
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0659	0.131	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 00:02	OW
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0659	0.131	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 00:02	OW
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0659	0.131	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 00:02	OW
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0659	0.131	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 00:02	OW
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0659	0.131	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 00:02	OW
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0659	0.131	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 00:02	OW
206-44-0	Fluoranthene	ND		mg/kg dry	0.0659	0.131	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 00:02	OW
86-73-7	Fluorene	ND		mg/kg dry	0.0659	0.131	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 00:02	OW
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0659	0.131	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 00:02	OW
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0659	0.131	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 00:02	OW
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0659	0.131	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 00:02	OW
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0659	0.131	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 00:02	OW
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0659	0.131	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 00:02	OW
78-59-1	Isophorone	ND		mg/kg dry	0.0659	0.131	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 00:02	OW
91-20-3	Naphthalene	ND		mg/kg dry	0.0659	0.131	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 00:02	OW
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0659	0.131	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 00:02	OW
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0659	0.131	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 00:02	OW
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0659	0.131	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 00:02	OW
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0659	0.131	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 00:02	OW
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0659	0.131	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 00:02	OW
85-01-8	Phenanthrene	ND		mg/kg dry	0.0659	0.131	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 00:02	OW
108-95-2	Phenol	ND		mg/kg dry	0.0659	0.131	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 00:02	OW



Sample Information

Client Sample ID: GB-7 (12-16)

York Sample ID: 20A1088-02

York Project (SDG) No.

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Matrix

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20A1088

130 Midland Avenue, Port Chester, New York

Soil

January 29, 2020 12:00 am

01/30/2020

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
129-00-0	Pyrene	ND	CCV-L	mg/kg dry	0.0659	0.131	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 00:02	OW
110-86-1	Pyridine	ND		mg/kg dry	0.263	0.526	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 00:02	OW
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: SURR: 2-Fluorophenol	59.6 %	20-108								
4165-62-2	Surrogate: SURR: Phenol-d5	62.9 %	23-114								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	70.0 %	22-108								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	57.4 %	21-113								
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	96.6 %	19-110								
1718-51-0	Surrogate: SURR: Terphenyl-d14	63.2 %	24-116								

Semi-Volatiles, 1,4-Dioxane by 8270-SIM

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
123-91-1	1,4-Dioxane	ND		ug/kg	9.43	1	EPA 8270D SIM Certifications: NELAC-NY10854	02/03/2020 08:00	02/06/2020 23:24	KH
Surrogate Recoveries		Result	Acceptance Range							
17647-74-4	Surrogate: 1,4-Dioxane-d8	40.0 %	39-83.1							

Pesticides, 8081 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	0.00257	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:39	02/05/2020 19:13	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00257	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:39	02/05/2020 19:13	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00257	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:39	02/05/2020 19:13	CM
309-00-2	Aldrin	ND		mg/kg dry	0.00257	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:39	02/05/2020 19:13	CM
319-84-6	alpha-BHC	ND		mg/kg dry	0.00257	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:39	02/05/2020 19:13	CM
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00257	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	02/03/2020 07:39	02/05/2020 19:13	CM
319-85-7	beta-BHC	ND		mg/kg dry	0.00257	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:39	02/05/2020 19:13	CM
319-86-8	delta-BHC	ND		mg/kg dry	0.00257	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:39	02/05/2020 19:13	CM



Sample Information

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130 Midland Avenue, Port Chester, New York

Soil

January 29, 2020 12:00 am

01/30/2020

Pesticides, 8081 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
60-57-1	Dieldrin	ND		mg/kg dry	0.00257	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:39	02/05/2020 19:13	CM
959-98-8	Endosulfan I	ND		mg/kg dry	0.00257	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:39	02/05/2020 19:13	CM
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00257	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	02/03/2020 07:39	02/05/2020 19:13	CM
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00257	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:39	02/05/2020 19:13	CM
72-20-8	Endrin	ND		mg/kg dry	0.00257	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:39	02/05/2020 19:13	CM
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00257	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:39	02/05/2020 19:13	CM
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00257	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:39	02/05/2020 19:13	CM
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00257	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:39	02/05/2020 19:13	CM
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00257	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	02/03/2020 07:39	02/05/2020 19:13	CM
76-44-8	Heptachlor	ND		mg/kg dry	0.00257	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:39	02/05/2020 19:13	CM
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00257	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:39	02/05/2020 19:13	CM
72-43-5	Methoxychlor	ND		mg/kg dry	0.00257	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:39	02/05/2020 19:13	CM
8001-35-2	Toxaphene	ND		mg/kg dry	0.257	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:39	02/05/2020 19:13	CM
57-74-9	* Chlordane, total	ND		mg/kg dry	0.0513	5	EPA 8081B Certifications:	02/03/2020 07:39	02/05/2020 19:13	CM
Surrogate Recoveries		Result		Acceptance Range						
2051-24-3	Surrogate: Decachlorobiphenyl	26.0 %	S-GC				30-150			
877-09-8	Surrogate: Tetrachloro-m-xylene	30.2 %					30-150			

Polychlorinated Biphenyls (PCB), 8082 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
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0259	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/03/2020 07:39	02/03/2020 20:13	SR
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0259	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/03/2020 07:39	02/03/2020 20:13	SR
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0259	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/03/2020 07:39	02/03/2020 20:13	SR
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0259	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/03/2020 07:39	02/03/2020 20:13	SR



Sample Information

Client Sample ID: GB-7 (12-16)

York Sample ID: 20A1088-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

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20A1088

130 Midland Avenue, Port Chester, New York

Soil

January 29, 2020 12:00 am

01/30/2020

Polychlorinated Biphenyls (PCB), 8082 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
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0259	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/03/2020 07:39	02/03/2020 20:13	SR
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0259	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/03/2020 07:39	02/03/2020 20:13	SR
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0259	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/03/2020 07:39	02/03/2020 20:13	SR
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0259	1	EPA 8082A Certifications:	02/03/2020 07:39	02/03/2020 20:13	SR
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	33.0 %		30-120						
2051-24-3	Surrogate: Decachlorobiphenyl	23.5 %	S-GC	30-120						

Herbicides, 8151 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	0.0312	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:42	02/03/2020 20:23	SR
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0312	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:42	02/03/2020 20:23	SR
94-75-7	2,4-D	ND		mg/kg dry	0.0312	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:42	02/03/2020 20:23	SR
Surrogate Recoveries		Result		Acceptance Range						
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	68.8 %		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	14900	B	mg/kg dry	7.91	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 12:52	JAM
7440-36-0	Antimony	ND		mg/kg dry	3.95	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 12:52	JAM
7440-38-2	Arsenic	ND		mg/kg dry	2.37	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 12:52	JAM
7440-39-3	Barium	135		mg/kg dry	3.95	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 12:52	JAM
7440-41-7	Beryllium	ND		mg/kg dry	0.079	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 12:52	JAM
7440-43-9	Cadmium	ND		mg/kg dry	0.474	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 12:52	JAM



Sample Information

Client Sample ID: GB-7 (12-16)

York Sample ID: 20A1088-02

York Project (SDG) No.

Client Project ID

Matrix

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20A1088

130 Midland Avenue, Port Chester, New York

Soil

January 29, 2020 12:00 am

01/30/2020

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
7440-70-2	Calcium	2470		mg/kg dry	7.91	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 12:52	JAM
7440-47-3	Chromium	39.2		mg/kg dry	0.791	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 12:52	JAM
7440-48-4	Cobalt	18.3		mg/kg dry	0.632	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 12:52	JAM
7440-50-8	Copper	35.1		mg/kg dry	3.16	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 12:52	JAM
7439-89-6	Iron	22300		mg/kg dry	39.5	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 12:52	JAM
7439-92-1	Lead	5.46		mg/kg dry	0.791	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 12:52	JAM
7439-95-4	Magnesium	7180		mg/kg dry	7.91	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 12:52	JAM
7439-96-5	Manganese	276		mg/kg dry	0.791	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 12:52	JAM
7440-02-0	Nickel	50.7		mg/kg dry	1.58	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 12:52	JAM
7440-09-7	Potassium	7960		mg/kg dry	7.91	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 12:52	JAM
7782-49-2	Selenium	ND		mg/kg dry	3.95	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 12:52	JAM
7440-22-4	Silver	ND		mg/kg dry	0.791	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 12:52	JAM
7440-23-5	Sodium	184		mg/kg dry	79.1	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 12:52	JAM
7440-28-0	Thallium	ND		mg/kg dry	3.95	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 12:52	JAM
7440-62-2	Vanadium	42.0		mg/kg dry	1.58	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 12:52	JAM
7440-66-6	Zinc	48.5		mg/kg dry	3.95	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 12:52	JAM

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	0.0474	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	01/30/2020 16:26	01/30/2020 19:36	MAO

Total Solids

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: GB-7 (12-16)

York Sample ID: 20A1088-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1088

130 Midland Avenue, Port Chester, New York

Soil

January 29, 2020 12:00 am

01/30/2020

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	63.2		%	0.100	1	SM 2540G	01/31/2020 10:16	01/31/2020 18:56	STN
							Certifications: CTDOH			

Sample Information

Client Sample ID: GB-8 (0-4)

York Sample ID: 20A1088-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1088

130 Midland Avenue, Port Chester, New York

Soil

January 29, 2020 12:00 am

01/30/2020

Volatiles, 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	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:24	02/04/2020 09:32	LLJ
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:24	02/04/2020 09:32	LLJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:24	02/04/2020 09:32	LLJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	01/31/2020 06:24	02/04/2020 09:32	LLJ
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:24	02/04/2020 09:32	LLJ
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:24	02/04/2020 09:32	LLJ
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:24	02/04/2020 09:32	LLJ
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:24	02/04/2020 09:32	LLJ
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:24	02/04/2020 09:32	LLJ
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	01/31/2020 06:24	02/04/2020 09:32	LLJ
95-93-2	* 1,2,4,5-Tetramethylbenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 09:32	LLJ
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:24	02/04/2020 09:32	LLJ
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:24	02/04/2020 09:32	LLJ
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:24	02/04/2020 09:32	LLJ
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:24	02/04/2020 09:32	LLJ



Sample Information

Client Sample ID: GB-8 (0-4)

York Sample ID: 20A1088-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1088

130 Midland Avenue, Port Chester, New York

Soil

January 29, 2020 12:00 am

01/30/2020

Volatiles, 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
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 09:32	LLJ
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 09:32	LLJ
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 09:32	LLJ
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 09:32	LLJ
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 09:32	LLJ
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 09:32	LLJ
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 09:32	LLJ
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.043	0.087	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 09:32	LLJ
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 09:32	LLJ
78-93-3	2-Butanone	0.0097		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 09:32	LLJ
110-75-8	2-Chloroethylvinyl ether	ND		mg/kg dry	0.0087	0.017	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 09:32	LLJ
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 09:32	LLJ
591-78-6	2-Hexanone	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 09:32	LLJ
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 09:32	LLJ
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 09:32	LLJ
67-64-1	Acetone	0.054		mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 09:32	LLJ
107-02-8	Acrolein	ND		mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 09:32	LLJ
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 09:32	LLJ
71-43-2	Benzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 09:32	LLJ
108-86-1	Bromobenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 09:32	LLJ
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 09:32	LLJ
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 09:32	LLJ
75-25-2	Bromoform	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 09:32	LLJ



Sample Information

Client Sample ID: GB-8 (0-4)

York Sample ID: 20A1088-03

York Project (SDG) No.

Client Project ID

Matrix

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20A1088

130 Midland Avenue, Port Chester, New York

Soil

January 29, 2020 12:00 am

01/30/2020

Volatiles, 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
74-83-9	Bromomethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 09:32	LLJ
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 09:32	LLJ
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 09:32	LLJ
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 09:32	LLJ
75-00-3	Chloroethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 09:32	LLJ
67-66-3	Chloroform	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 09:32	LLJ
74-87-3	Chloromethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 09:32	LLJ
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 09:32	LLJ
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 09:32	LLJ
110-82-7	Cyclohexane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 09:32	LLJ
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 09:32	LLJ
74-95-3	Dibromomethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 09:32	LLJ
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 09:32	LLJ
108-20-3	* Diisopropyl ether (DIPE)	ND		mg/kg dry	0.0035	0.0069	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 09:32	LLJ
64-17-5	* Ethanol	ND		mg/kg dry	0.035	0.069	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 09:32	LLJ
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 09:32	LLJ
637-92-3	* Ethyl tert-butyl ether (ETBE)	ND		mg/kg dry	0.0035	0.0069	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 09:32	LLJ
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 09:32	LLJ
74-88-4	* Iodomethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 09:32	LLJ
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 09:32	LLJ
79-20-9	Methyl acetate	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 09:32	LLJ
80-62-6	Methyl Methacrylate	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 09:32	LLJ
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 09:32	LLJ



Sample Information

Client Sample ID: GB-8 (0-4)

York Sample ID: 20A1088-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1088

130 Midland Avenue, Port Chester, New York

Soil

January 29, 2020 12:00 am

01/30/2020

Volatiles, 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
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 09:32	LLJ
75-09-2	Methylene chloride	ND		mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 09:32	LLJ
91-20-3	Naphthalene	ND		mg/kg dry	0.0022	0.0087	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 09:32	LLJ
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 09:32	LLJ
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 09:32	LLJ
95-47-6	o-Xylene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 09:32	LLJ
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 09:32	LLJ
105-05-5	* p-Diethylbenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 09:32	LLJ
622-96-8	* p-Ethyltoluene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 09:32	LLJ
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 09:32	LLJ
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 09:32	LLJ
100-42-5	Styrene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 09:32	LLJ
75-85-4	* tert-Amyl alcohol (TAA)	ND		mg/kg dry	0.035	0.069	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 09:32	LLJ
994-05-8	* tert-Amyl methyl ether (TAME)	ND		mg/kg dry	0.0035	0.0069	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 09:32	LLJ
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 09:32	LLJ
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 09:32	LLJ
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 09:32	LLJ
109-99-9	* Tetrahydrofuran	ND		mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 09:32	LLJ
108-88-3	Toluene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 09:32	LLJ
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 09:32	LLJ
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 09:32	LLJ
110-57-6	* trans-1,4-dichloro-2-butene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 09:32	LLJ
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 09:32	LLJ



Sample Information

Client Sample ID: GB-8 (0-4)

York Sample ID: 20A1088-03

York Project (SDG) No.

Client Project ID

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20A1088

130 Midland Avenue, Port Chester, New York

Soil

January 29, 2020 12:00 am

01/30/2020

Volatiles, 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	0.0022	0.0043	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 09:32	LLJ
								CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-05-4	Vinyl acetate	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 09:32	LLJ
								NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 09:32	LLJ
								CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0065	0.013	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 09:32	LLJ
								CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP			
107-05-1	* Allyl chloride	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 09:32	LLJ
Surrogate Recoveries		Result		Acceptance Range							
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	109 %		77-125							
2037-26-5	Surrogate: SURR: Toluene-d8	95.5 %		85-120							
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	102 %		76-130							

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

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	0.0441	0.0880	2	EPA 8270D Certifications:	02/04/2020 13:52	02/06/2020 00:34	OW
								NELAC-NY10854,NJDEP,PADEP			
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0880	0.176	2	EPA 8270D Certifications:	02/04/2020 13:52	02/06/2020 00:34	OW
								NELAC-NY10854,NJDEP,PADEP			
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications:	02/04/2020 13:52	02/06/2020 00:34	OW
								CTDOH,NELAC-NY10854,NJDEP,PADEP			
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications:	02/04/2020 13:52	02/06/2020 00:34	OW
								NELAC-NY10854,PADEP			
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications:	02/04/2020 13:52	02/06/2020 00:34	OW
								NELAC-NY10854,NJDEP,PADEP			
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications:	02/04/2020 13:52	02/06/2020 00:34	OW
								NELAC-NY10854,PADEP			
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications:	02/04/2020 13:52	02/06/2020 00:34	OW
								NELAC-NY10854,PADEP			
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0880	0.176	2	EPA 8270D Certifications:	02/04/2020 13:52	02/06/2020 00:34	OW
								NELAC-NY10854,NJDEP,PADEP			
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications:	02/04/2020 13:52	02/06/2020 00:34	OW
								CTDOH,NELAC-NY10854,NJDEP,PADEP			
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications:	02/04/2020 13:52	02/06/2020 00:34	OW
								CTDOH,NELAC-NY10854,NJDEP,PADEP			
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications:	02/04/2020 13:52	02/06/2020 00:34	OW
								CTDOH,NELAC-NY10854,NJDEP,PADEP			
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications:	02/04/2020 13:52	02/06/2020 00:34	OW
								CTDOH,NELAC-NY10854,NJDEP,PADEP			



Sample Information

Client Sample ID: GB-8 (0-4)

York Sample ID: 20A1088-03

York Project (SDG) No.

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20A1088

130 Midland Avenue, Port Chester, New York

Soil

January 29, 2020 12:00 am

01/30/2020

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0880	0.176	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 00:34	OW
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 00:34	OW
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 00:34	OW
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 00:34	OW
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 00:34	OW
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 00:34	OW
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 00:34	OW
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0880	0.176	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 00:34	OW
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 00:34	OW
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 00:34	OW
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 00:34	OW
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0880	0.176	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 00:34	OW
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0880	0.176	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 00:34	OW
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 00:34	OW
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 00:34	OW
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 00:34	OW
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 00:34	OW
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0880	0.176	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 00:34	OW
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0880	0.176	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 00:34	OW
83-32-9	Acenaphthene	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 00:34	OW
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 00:34	OW
98-86-2	Acetophenone	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 00:34	OW
62-53-3	Aniline	ND		mg/kg dry	0.176	0.352	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 00:34	OW



Sample Information

Client Sample ID: GB-8 (0-4)

York Sample ID: 20A1088-03

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130 Midland Avenue, Port Chester, New York

Soil

January 29, 2020 12:00 am

01/30/2020

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

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	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 00:34	OW
1912-24-9	Atrazine	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 00:34	OW
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 00:34	OW
92-87-5	Benzidine	ND		mg/kg dry	0.176	0.352	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	02/04/2020 13:52	02/06/2020 00:34	OW
56-55-3	Benzo(a)anthracene	0.119		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 00:34	OW
50-32-8	Benzo(a)pyrene	0.162		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 00:34	OW
205-99-2	Benzo(b)fluoranthene	0.146		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 00:34	OW
191-24-2	Benzo(g,h,i)perylene	0.139		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 00:34	OW
207-08-9	Benzo(k)fluoranthene	0.122		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 00:34	OW
65-85-0	Benzoic acid	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 00:34	OW
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 00:34	OW
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 00:34	OW
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 00:34	OW
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 00:34	OW
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 00:34	OW
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 00:34	OW
105-60-2	Caprolactam	ND		mg/kg dry	0.0880	0.176	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 00:34	OW
86-74-8	Carbazole	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 00:34	OW
218-01-9	Chrysene	0.136		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 00:34	OW
53-70-3	Dibenzo(a,h)anthracene	0.0528	CCV-H, J	mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 00:34	OW
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 00:34	OW
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 00:34	OW
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 00:34	OW



Sample Information

Client Sample ID: GB-8 (0-4)

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130 Midland Avenue, Port Chester, New York

Soil

January 29, 2020 12:00 am

01/30/2020

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

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	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 00:34	OW
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 00:34	OW
206-44-0	Fluoranthene	0.200		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 00:34	OW
86-73-7	Fluorene	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 00:34	OW
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 00:34	OW
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 00:34	OW
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 00:34	OW
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 00:34	OW
193-39-5	Indeno(1,2,3-cd)pyrene	0.120		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 00:34	OW
78-59-1	Isophorone	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 00:34	OW
91-20-3	Naphthalene	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 00:34	OW
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 00:34	OW
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 00:34	OW
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 00:34	OW
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 00:34	OW
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 00:34	OW
85-01-8	Phenanthrene	0.0675	J	mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 00:34	OW
108-95-2	Phenol	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 00:34	OW
129-00-0	Pyrene	0.173	CCV-L	mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 00:34	OW
110-86-1	Pyridine	ND		mg/kg dry	0.176	0.352	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 00:34	OW
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: SURR: 2-Fluorophenol	44.5 %	20-108								
4165-62-2	Surrogate: SURR: Phenol-d5	47.9 %	23-114								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	55.7 %	22-108								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	56.4 %	21-113								



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130 Midland Avenue, Port Chester, New York

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01/30/2020

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	78.0 %			19-110						
1718-51-0	Surrogate: SURR: Terphenyl-d14	65.5 %			24-116						

Semi-Volatiles, 1,4-Dioxane by 8270-SIM

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
123-91-1	1,4-Dioxane	ND		ug/kg	9.80	1	EPA 8270D SIM Certifications: NELAC-NY10854	02/03/2020 08:00	02/06/2020 23:41	KH
Surrogate Recoveries		Result		Acceptance Range						
17647-74-4	Surrogate: 1,4-Dioxane-d8	44.0 %		39-83.1						

Pesticides, 8081 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	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:39	02/05/2020 19:30	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:39	02/05/2020 19:30	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:39	02/05/2020 19:30	CM
309-00-2	Aldrin	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:39	02/05/2020 19:30	CM
319-84-6	alpha-BHC	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:39	02/05/2020 19:30	CM
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	02/03/2020 07:39	02/05/2020 19:30	CM
319-85-7	beta-BHC	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:39	02/05/2020 19:30	CM
319-86-8	delta-BHC	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:39	02/05/2020 19:30	CM
60-57-1	Dieldrin	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:39	02/05/2020 19:30	CM
959-98-8	Endosulfan I	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:39	02/05/2020 19:30	CM
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	02/03/2020 07:39	02/05/2020 19:30	CM
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:39	02/05/2020 19:30	CM
72-20-8	Endrin	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:39	02/05/2020 19:30	CM



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Pesticides, 8081 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
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:39	02/05/2020 19:30	CM
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:39	02/05/2020 19:30	CM
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:39	02/05/2020 19:30	CM
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	02/03/2020 07:39	02/05/2020 19:30	CM
76-44-8	Heptachlor	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:39	02/05/2020 19:30	CM
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:39	02/05/2020 19:30	CM
72-43-5	Methoxychlor	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:39	02/05/2020 19:30	CM
8001-35-2	Toxaphene	ND		mg/kg dry	0.176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:39	02/05/2020 19:30	CM
57-74-9	* Chlordane, total	ND		mg/kg dry	0.0352	5	EPA 8081B Certifications:	02/03/2020 07:39	02/05/2020 19:30	CM
Surrogate Recoveries		Result		Acceptance Range						
2051-24-3	Surrogate: Decachlorobiphenyl	50.4 %		30-150						
877-09-8	Surrogate: Tetrachloro-m-xylene	48.8 %		30-150						

Polychlorinated Biphenyls (PCB), 8082 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
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0178	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/03/2020 07:39	02/04/2020 13:55	SR
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0178	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/03/2020 07:39	02/04/2020 13:55	SR
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0178	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/03/2020 07:39	02/04/2020 13:55	SR
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0178	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/03/2020 07:39	02/04/2020 13:55	SR
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0178	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/03/2020 07:39	02/04/2020 13:55	SR
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0178	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/03/2020 07:39	02/04/2020 13:55	SR
11096-82-5	Aroclor 1260	0.0579		mg/kg dry	0.0178	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/03/2020 07:39	02/04/2020 13:55	SR
1336-36-3	* Total PCBs	0.0579		mg/kg dry	0.0178	1	EPA 8082A Certifications:	02/03/2020 07:39	02/04/2020 13:55	SR
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	64.5 %		30-120						



Sample Information

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Polychlorinated Biphenyls (PCB), 8082 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
2051-24-3	Surrogate: Decachlorobiphenyl	57.5 %			30-120					

Herbicides, 8151 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	0.0213	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:42	02/03/2020 20:33	SR
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0213	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:42	02/03/2020 20:33	SR
94-75-7	2,4-D	ND		mg/kg dry	0.0213	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:42	02/03/2020 20:33	SR
Surrogate Recoveries		Result		Acceptance Range						
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	71.8 %			21-150					

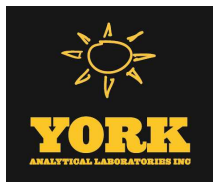
Metals, Target Analyte

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	9450	B	mg/kg dry	5.35	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 12:55	JAM
7440-36-0	Antimony	ND		mg/kg dry	2.67	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 12:55	JAM
7440-38-2	Arsenic	5.21		mg/kg dry	1.60	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 12:55	JAM
7440-39-3	Barium	135		mg/kg dry	2.67	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 12:55	JAM
7440-41-7	Beryllium	ND		mg/kg dry	0.053	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 12:55	JAM
7440-43-9	Cadmium	1.01		mg/kg dry	0.321	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 12:55	JAM
7440-70-2	Calcium	18600		mg/kg dry	5.35	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 12:55	JAM
7440-47-3	Chromium	29.0		mg/kg dry	0.535	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 12:55	JAM
7440-48-4	Cobalt	8.60		mg/kg dry	0.428	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 12:55	JAM
7440-50-8	Copper	44.2		mg/kg dry	2.14	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 12:55	JAM
7439-89-6	Iron	20900		mg/kg dry	26.7	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 12:55	JAM



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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
7439-92-1	Lead	97.6		mg/kg dry	0.535	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 12:55	JAM
7439-95-4	Magnesium	4320		mg/kg dry	5.35	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 12:55	JAM
7439-96-5	Manganese	260		mg/kg dry	0.535	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 12:55	JAM
7440-02-0	Nickel	25.9		mg/kg dry	1.07	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 12:55	JAM
7440-09-7	Potassium	2080		mg/kg dry	5.35	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 12:55	JAM
7782-49-2	Selenium	ND		mg/kg dry	2.67	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 12:55	JAM
7440-22-4	Silver	ND		mg/kg dry	0.535	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 12:55	JAM
7440-23-5	Sodium	267		mg/kg dry	53.5	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 12:55	JAM
7440-28-0	Thallium	ND		mg/kg dry	2.67	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 12:55	JAM
7440-62-2	Vanadium	30.3		mg/kg dry	1.07	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 12:55	JAM
7440-66-6	Zinc	117		mg/kg dry	2.67	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 12:55	JAM

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	0.162		mg/kg dry	0.0321	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	01/30/2020 16:26	01/30/2020 19:45	MAO

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	93.5		%	0.100	1	SM 2540G Certifications: CTDOH	01/31/2020 10:16	01/31/2020 18:56	STN



Sample Information

Client Sample ID: GB-8 (8-12)

York Sample ID: 20A1088-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1088

130 Midland Avenue, Port Chester, New York

Soil

January 29, 2020 12:00 am

01/30/2020

Volatiles, 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	0.0020	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:24	02/04/2020 09:59	LLJ
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:24	02/04/2020 09:59	LLJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:24	02/04/2020 09:59	LLJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	01/31/2020 06:24	02/04/2020 09:59	LLJ
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:24	02/04/2020 09:59	LLJ
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:24	02/04/2020 09:59	LLJ
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:24	02/04/2020 09:59	LLJ
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:24	02/04/2020 09:59	LLJ
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:24	02/04/2020 09:59	LLJ
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	01/31/2020 06:24	02/04/2020 09:59	LLJ
95-93-2	* 1,2,4,5-Tetramethylbenzene	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 09:59	LLJ
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:24	02/04/2020 09:59	LLJ
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:24	02/04/2020 09:59	LLJ
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:24	02/04/2020 09:59	LLJ
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:24	02/04/2020 09:59	LLJ
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:24	02/04/2020 09:59	LLJ
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:24	02/04/2020 09:59	LLJ
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:24	02/04/2020 09:59	LLJ
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:24	02/04/2020 09:59	LLJ
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:24	02/04/2020 09:59	LLJ
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:24	02/04/2020 09:59	LLJ
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:24	02/04/2020 09:59	LLJ
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.041	0.081	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:24	02/04/2020 09:59	LLJ



Sample Information

Client Sample ID: GB-8 (8-12)

York Sample ID: 20A1088-04

York Project (SDG) No.

Client Project ID

Matrix

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Date Received

20A1088

130 Midland Avenue, Port Chester, New York

Soil

January 29, 2020 12:00 am

01/30/2020

Volatiles, 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
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications:	01/31/2020 06:24 NELAC-NY10854,NELAC-NY12058,NJDEP	02/04/2020 09:59	LLJ
78-93-3	2-Butanone	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications:	01/31/2020 06:24 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 09:59	LLJ
110-75-8	2-Chloroethylvinyl ether	ND		mg/kg dry	0.0081	0.016	1	EPA 8260C Certifications:	01/31/2020 06:24 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 09:59	LLJ
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications:	01/31/2020 06:24 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 09:59	LLJ
591-78-6	2-Hexanone	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications:	01/31/2020 06:24 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 09:59	LLJ
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications:	01/31/2020 06:24 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 09:59	LLJ
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications:	01/31/2020 06:24 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 09:59	LLJ
67-64-1	Acetone	0.0095		mg/kg dry	0.0041	0.0081	1	EPA 8260C Certifications:	01/31/2020 06:24 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 09:59	LLJ
107-02-8	Acrolein	ND		mg/kg dry	0.0041	0.0081	1	EPA 8260C Certifications:	01/31/2020 06:24 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 09:59	LLJ
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications:	01/31/2020 06:24 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 09:59	LLJ
71-43-2	Benzene	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications:	01/31/2020 06:24 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 09:59	LLJ
108-86-1	Bromobenzene	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications:	01/31/2020 06:24 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 09:59	LLJ
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications:	01/31/2020 06:24 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 09:59	LLJ
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications:	01/31/2020 06:24 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 09:59	LLJ
75-25-2	Bromoform	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications:	01/31/2020 06:24 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 09:59	LLJ
74-83-9	Bromomethane	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications:	01/31/2020 06:24 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 09:59	LLJ
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications:	01/31/2020 06:24 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 09:59	LLJ
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications:	01/31/2020 06:24 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 09:59	LLJ
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications:	01/31/2020 06:24 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 09:59	LLJ
75-00-3	Chloroethane	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications:	01/31/2020 06:24 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 09:59	LLJ
67-66-3	Chloroform	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications:	01/31/2020 06:24 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 09:59	LLJ
74-87-3	Chloromethane	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications:	01/31/2020 06:24 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 09:59	LLJ
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications:	01/31/2020 06:24 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 09:59	LLJ



Sample Information

Client Sample ID: GB-8 (8-12)

York Sample ID: 20A1088-04

York Project (SDG) No.

Client Project ID

Matrix

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20A1088

130 Midland Avenue, Port Chester, New York

Soil

January 29, 2020 12:00 am

01/30/2020

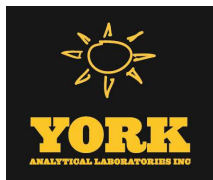
Volatiles, 8260 Comprehensive

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
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:24	02/04/2020 09:59	LLJ
110-82-7	Cyclohexane	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:24	02/04/2020 09:59	LLJ
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:24	02/04/2020 09:59	LLJ
74-95-3	Dibromomethane	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:24	02/04/2020 09:59	LLJ
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:24	02/04/2020 09:59	LLJ
108-20-3	* Diisopropyl ether (DIPE)	ND		mg/kg dry	0.0033	0.0065	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 09:59	LLJ
64-17-5	* Ethanol	ND		mg/kg dry	0.033	0.065	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 09:59	LLJ
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:24	02/04/2020 09:59	LLJ
637-92-3	* Ethyl tert-butyl ether (ETBE)	ND		mg/kg dry	0.0033	0.0065	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 09:59	LLJ
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:24	02/04/2020 09:59	LLJ
74-88-4	* Iodomethane	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 09:59	LLJ
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:24	02/04/2020 09:59	LLJ
79-20-9	Methyl acetate	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:24	02/04/2020 09:59	LLJ
80-62-6	Methyl Methacrylate	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	01/31/2020 06:24	02/04/2020 09:59	LLJ
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:24	02/04/2020 09:59	LLJ
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:24	02/04/2020 09:59	LLJ
75-09-2	Methylene chloride	ND		mg/kg dry	0.0041	0.0081	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:24	02/04/2020 09:59	LLJ
91-20-3	Naphthalene	ND		mg/kg dry	0.0020	0.0081	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:24	02/04/2020 09:59	LLJ
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:24	02/04/2020 09:59	LLJ
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:24	02/04/2020 09:59	LLJ
95-47-6	o-Xylene	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:24	02/04/2020 09:59	LLJ
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0041	0.0081	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2020 06:24	02/04/2020 09:59	LLJ
105-05-5	* p-Diethylbenzene	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 09:59	LLJ



Sample Information

Client Sample ID: GB-8 (8-12)

York Sample ID: 20A1088-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

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20A1088

130 Midland Avenue, Port Chester, New York

Soil

January 29, 2020 12:00 am

01/30/2020

Volatiles, 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
622-96-8	* p-Ethyltoluene	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 09:59	LLJ
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 09:59	LLJ
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 09:59	LLJ
100-42-5	Styrene	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 09:59	LLJ
75-85-4	* tert-Amyl alcohol (TAA)	ND		mg/kg dry	0.033	0.065	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 09:59	LLJ
994-05-8	* tert-Amyl methyl ether (TAME)	ND		mg/kg dry	0.0033	0.0065	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 09:59	LLJ
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 09:59	LLJ
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 09:59	LLJ
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 09:59	LLJ
109-99-9	* Tetrahydrofuran	ND		mg/kg dry	0.0041	0.0081	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 09:59	LLJ
108-88-3	Toluene	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 09:59	LLJ
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 09:59	LLJ
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 09:59	LLJ
110-57-6	* trans-1,4-dichloro-2-butene	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 09:59	LLJ
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 09:59	LLJ
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 09:59	LLJ
108-05-4	Vinyl acetate	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 09:59	LLJ
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 09:59	LLJ
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0061	0.012	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 09:59	LLJ
107-05-1	* Allyl chloride	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications:	01/31/2020 06:24	02/04/2020 09:59	LLJ
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	109 %	77-125								
2037-26-5	Surrogate: SURR: Toluene-d8	93.5 %	85-120								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	99.6 %	76-130								



Sample Information

Client Sample ID: GB-8 (8-12)

York Sample ID: 20A1088-04

York Project (SDG) No.

Client Project ID

Matrix

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20A1088

130 Midland Avenue, Port Chester, New York

Soil

January 29, 2020 12:00 am

01/30/2020

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

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	0.0514	0.103	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 01:06	OW
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.103	0.205	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 01:06	OW
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0514	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 01:06	OW
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0514	0.103	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/04/2020 13:52	02/06/2020 01:06	OW
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0514	0.103	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 01:06	OW
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0514	0.103	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/04/2020 13:52	02/06/2020 01:06	OW
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0514	0.103	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/04/2020 13:52	02/06/2020 01:06	OW
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.103	0.205	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 01:06	OW
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0514	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 01:06	OW
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0514	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 01:06	OW
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0514	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 01:06	OW
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0514	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 01:06	OW
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.103	0.205	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 01:06	OW
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0514	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 01:06	OW
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0514	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 01:06	OW
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0514	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 01:06	OW
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0514	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 01:06	OW
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0514	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 01:06	OW
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0514	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 01:06	OW
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.103	0.205	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 01:06	OW
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0514	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 01:06	OW
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0514	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 01:06	OW
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0514	0.103	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 01:06	OW



Sample Information

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130 Midland Avenue, Port Chester, New York

Soil

January 29, 2020 12:00 am

01/30/2020

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.103	0.205	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2020 01:06	OW
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.103	0.205	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2020 01:06	OW
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0514	0.103	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2020 01:06	OW
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0514	0.103	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2020 01:06	OW
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0514	0.103	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2020 01:06	OW
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0514	0.103	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2020 01:06	OW
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.103	0.205	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2020 01:06	OW
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.103	0.205	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2020 01:06	OW
83-32-9	Acenaphthene	0.152		mg/kg dry	0.0514	0.103	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2020 01:06	OW
208-96-8	Acenaphthylene	0.300		mg/kg dry	0.0514	0.103	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2020 01:06	OW
98-86-2	Acetophenone	ND		mg/kg dry	0.0514	0.103	2	EPA 8270D Certifications:	02/04/2020 13:52 NELAC-NY10854,NJDEP,PADEP	02/06/2020 01:06	OW
62-53-3	Aniline	ND		mg/kg dry	0.205	0.411	2	EPA 8270D Certifications:	02/04/2020 13:52 NELAC-NY10854,NJDEP,PADEP	02/06/2020 01:06	OW
120-12-7	Anthracene	0.527		mg/kg dry	0.0514	0.103	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2020 01:06	OW
1912-24-9	Atrazine	ND		mg/kg dry	0.0514	0.103	2	EPA 8270D Certifications:	02/04/2020 13:52 NELAC-NY10854,NJDEP,PADEP	02/06/2020 01:06	OW
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0514	0.103	2	EPA 8270D Certifications:	02/04/2020 13:52 NELAC-NY10854,NJDEP,PADEP	02/06/2020 01:06	OW
92-87-5	Benzidine	ND		mg/kg dry	0.205	0.411	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,PADEP	02/06/2020 01:06	OW
56-55-3	Benzo(a)anthracene	1.31		mg/kg dry	0.0514	0.103	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2020 01:06	OW
50-32-8	Benzo(a)pyrene	1.61		mg/kg dry	0.0514	0.103	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2020 01:06	OW
205-99-2	Benzo(b)fluoranthene	1.37		mg/kg dry	0.0514	0.103	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2020 01:06	OW
191-24-2	Benzo(g,h,i)perylene	1.06		mg/kg dry	0.0514	0.103	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2020 01:06	OW
207-08-9	Benzo(k)fluoranthene	1.13		mg/kg dry	0.0514	0.103	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2020 01:06	OW
65-85-0	Benzoic acid	ND		mg/kg dry	0.0514	0.103	2	EPA 8270D Certifications:	02/04/2020 13:52 NELAC-NY10854,NJDEP,PADEP	02/06/2020 01:06	OW
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0514	0.103	2	EPA 8270D Certifications:	02/04/2020 13:52 NELAC-NY10854,NJDEP,PADEP	02/06/2020 01:06	OW



Sample Information

Client Sample ID: GB-8 (8-12)

York Sample ID: 20A1088-04

York Project (SDG) No.

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20A1088

130 Midland Avenue, Port Chester, New York

Soil

January 29, 2020 12:00 am

01/30/2020

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0514	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 01:06	OW
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0514	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 01:06	OW
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0514	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 01:06	OW
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0514	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 01:06	OW
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0514	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 01:06	OW
105-60-2	Caprolactam	ND		mg/kg dry	0.103	0.205	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 01:06	OW
86-74-8	Carbazole	0.180		mg/kg dry	0.0514	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 01:06	OW
218-01-9	Chrysene	1.35		mg/kg dry	0.0514	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 01:06	OW
53-70-3	Dibenzo(a,h)anthracene	0.460	CCV-H	mg/kg dry	0.0514	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 01:06	OW
132-64-9	Dibenzofuran	0.0639	J	mg/kg dry	0.0514	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 01:06	OW
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0514	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 01:06	OW
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0514	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 01:06	OW
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0514	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 01:06	OW
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0514	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 01:06	OW
206-44-0	Fluoranthene	3.05		mg/kg dry	0.0514	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 01:06	OW
86-73-7	Fluorene	0.163		mg/kg dry	0.0514	0.103	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 01:06	OW
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0514	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 01:06	OW
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0514	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 01:06	OW
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0514	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 01:06	OW
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0514	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 01:06	OW
193-39-5	Indeno(1,2,3-cd)pyrene	0.970		mg/kg dry	0.0514	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 01:06	OW
78-59-1	Isophorone	ND		mg/kg dry	0.0514	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 01:06	OW
91-20-3	Naphthalene	0.0623	J	mg/kg dry	0.0514	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 01:06	OW



Sample Information

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130 Midland Avenue, Port Chester, New York

Soil

January 29, 2020 12:00 am

01/30/2020

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0514	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 01:06	OW
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0514	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 01:06	OW
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0514	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 01:06	OW
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0514	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 01:06	OW
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0514	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 01:06	OW
85-01-8	Phenanthrene	1.61		mg/kg dry	0.0514	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 01:06	OW
108-95-2	Phenol	ND		mg/kg dry	0.0514	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 01:06	OW
129-00-0	Pyrene	2.15	CCV-L	mg/kg dry	0.0514	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 01:06	OW
110-86-1	Pyridine	ND		mg/kg dry	0.205	0.411	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 01:06	OW
Surrogate Recoveries		Result		Acceptance Range							
367-12-4	Surrogate: SURR: 2-Fluorophenol	68.1 %									
4165-62-2	Surrogate: SURR: Phenol-d5	73.5 %									
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	81.2 %									
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	70.5 %									
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	116 %	S-08								
1718-51-0	Surrogate: SURR: Terphenyl-d14	73.6 %									

Semi-Volatiles, 1,4-Dioxane by 8270-SIM

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
123-91-1	1,4-Dioxane	ND		ug/kg	9.35	1	EPA 8270D SIM Certifications: NELAC-NY10854	02/03/2020 08:00	02/06/2020 23:59	KH
Surrogate Recoveries		Result		Acceptance Range						
17647-74-4	Surrogate: 1,4-Dioxane-d8	40.0 %								

Pesticides, 8081 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	0.00203	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:39	02/05/2020 19:47	CM



Sample Information

Client Sample ID: GB-8 (8-12)

York Sample ID: 20A1088-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1088

130 Midland Avenue, Port Chester, New York

Soil

January 29, 2020 12:00 am

01/30/2020

Pesticides, 8081 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
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00203	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:39	02/05/2020 19:47	CM
50-29-3	4,4'-DDT	0.0194		mg/kg dry	0.00203	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:39	02/05/2020 19:47	CM
309-00-2	Aldrin	ND		mg/kg dry	0.00203	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:39	02/05/2020 19:47	CM
319-84-6	alpha-BHC	ND		mg/kg dry	0.00203	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:39	02/05/2020 19:47	CM
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00203	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	02/03/2020 07:39	02/05/2020 19:47	CM
319-85-7	beta-BHC	ND		mg/kg dry	0.00203	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:39	02/05/2020 19:47	CM
319-86-8	delta-BHC	ND		mg/kg dry	0.00203	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:39	02/05/2020 19:47	CM
60-57-1	Dieldrin	ND		mg/kg dry	0.00203	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:39	02/05/2020 19:47	CM
959-98-8	Endosulfan I	ND		mg/kg dry	0.00203	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:39	02/05/2020 19:47	CM
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00203	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	02/03/2020 07:39	02/05/2020 19:47	CM
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00203	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:39	02/05/2020 19:47	CM
72-20-8	Endrin	ND		mg/kg dry	0.00203	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:39	02/05/2020 19:47	CM
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00203	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:39	02/05/2020 19:47	CM
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00203	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:39	02/05/2020 19:47	CM
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00203	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:39	02/05/2020 19:47	CM
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00203	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	02/03/2020 07:39	02/05/2020 19:47	CM
76-44-8	Heptachlor	ND		mg/kg dry	0.00203	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:39	02/05/2020 19:47	CM
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00203	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:39	02/05/2020 19:47	CM
72-43-5	Methoxychlor	ND		mg/kg dry	0.00203	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:39	02/05/2020 19:47	CM
8001-35-2	Toxaphene	ND		mg/kg dry	0.203	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:39	02/05/2020 19:47	CM
57-74-9	* Chlordane, total	ND		mg/kg dry	0.0406	5	EPA 8081B Certifications:	02/03/2020 07:39	02/05/2020 19:47	CM
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	37.8 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	31.6 %	30-150							



Sample Information

Client Sample ID: GB-8 (8-12)

York Sample ID: 20A1088-04

York Project (SDG) No.

Client Project ID

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130 Midland Avenue, Port Chester, New York

Soil

January 29, 2020 12:00 am

01/30/2020

Polychlorinated Biphenyls (PCB), 8082 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
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0205	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/03/2020 07:39	02/03/2020 20:40	SR
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0205	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/03/2020 07:39	02/03/2020 20:40	SR
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0205	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/03/2020 07:39	02/03/2020 20:40	SR
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0205	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/03/2020 07:39	02/03/2020 20:40	SR
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0205	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/03/2020 07:39	02/03/2020 20:40	SR
11097-69-1	Aroclor 1254	0.0885		mg/kg dry	0.0205	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/03/2020 07:39	02/03/2020 20:40	SR
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0205	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/03/2020 07:39	02/03/2020 20:40	SR
1336-36-3	* Total PCBs	0.0885		mg/kg dry	0.0205	1	EPA 8082A Certifications:	02/03/2020 07:39	02/03/2020 20:40	SR
Surrogate Recoveries		Result	Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	49.0 %	30-120							
2051-24-3	Surrogate: Decachlorobiphenyl	42.0 %	30-120							

Herbicides, 8151 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	0.0245	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:42	02/03/2020 20:44	SR
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0245	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:42	02/03/2020 20:44	SR
94-75-7	2,4-D	ND		mg/kg dry	0.0245	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:42	02/03/2020 20:44	SR
Surrogate Recoveries		Result	Acceptance Range							
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	88.2 %	21-150							

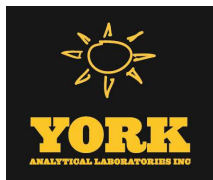
Metals, Target Analyte

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	10000	B	mg/kg dry	6.17	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 12:57	JAM
7440-36-0	Antimony	ND		mg/kg dry	3.08	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 12:57	JAM



Sample Information

Client Sample ID: GB-8 (8-12)

York Sample ID: 20A1088-04

York Project (SDG) No.

Client Project ID

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130 Midland Avenue, Port Chester, New York

Soil

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01/30/2020

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
7440-38-2	Arsenic	5.44		mg/kg dry	1.85	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 12:57	JAM
7440-39-3	Barium	116		mg/kg dry	3.08	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 12:57	JAM
7440-41-7	Beryllium	ND		mg/kg dry	0.062	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 12:57	JAM
7440-43-9	Cadmium	1.97		mg/kg dry	0.370	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 12:57	JAM
7440-70-2	Calcium	12000		mg/kg dry	6.17	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 12:57	JAM
7440-47-3	Chromium	36.9		mg/kg dry	0.617	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 12:57	JAM
7440-48-4	Cobalt	9.20		mg/kg dry	0.493	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 12:57	JAM
7440-50-8	Copper	47.8		mg/kg dry	2.47	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 12:57	JAM
7439-89-6	Iron	22800		mg/kg dry	30.8	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 12:57	JAM
7439-92-1	Lead	90.0		mg/kg dry	0.617	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 12:57	JAM
7439-95-4	Magnesium	5810		mg/kg dry	6.17	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 12:57	JAM
7439-96-5	Manganese	261		mg/kg dry	0.617	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 12:57	JAM
7440-02-0	Nickel	30.7		mg/kg dry	1.23	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 12:57	JAM
7440-09-7	Potassium	2970		mg/kg dry	6.17	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 12:57	JAM
7782-49-2	Selenium	ND		mg/kg dry	3.08	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 12:57	JAM
7440-22-4	Silver	ND		mg/kg dry	0.617	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 12:57	JAM
7440-23-5	Sodium	196		mg/kg dry	61.7	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 12:57	JAM
7440-28-0	Thallium	ND		mg/kg dry	3.08	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 12:57	JAM
7440-62-2	Vanadium	30.7		mg/kg dry	1.23	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 12:57	JAM
7440-66-6	Zinc	152		mg/kg dry	3.08	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 12:57	JAM

Mercury by 7473

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: GB-8 (8-12)

York Sample ID: 20A1088-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1088

130 Midland Avenue, Port Chester, New York

Soil

January 29, 2020 12:00 am

01/30/2020

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	0.296		mg/kg dry	0.0370	1	EPA 7473	01/30/2020 16:26	01/30/2020 19:54	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	81.1		%	0.100	1	SM 2540G	01/31/2020 10:16	01/31/2020 18:56	STN
							Certifications:	CTDOH		

Sample Information

Client Sample ID: MW-6 (4-8)

York Sample ID: 20A1088-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1088

130 Midland Avenue, Port Chester, New York

Soil

January 29, 2020 12:00 am

01/30/2020

Volatiles, 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	0.0023	0.0047	1	EPA 8260C Certifications:	02/01/2020 17:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 16:41	LLJ
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications:	02/01/2020 17:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 16:41	LLJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications:	02/01/2020 17:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 16:41	LLJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications:	02/01/2020 17:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	02/04/2020 16:41	LLJ
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications:	02/01/2020 17:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 16:41	LLJ
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications:	02/01/2020 17:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 16:41	LLJ
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications:	02/01/2020 17:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 16:41	LLJ
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications:	02/01/2020 17:22 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 16:41	LLJ
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications:	02/01/2020 17:22 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 16:41	LLJ
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications:	02/01/2020 17:22 NELAC-NY10854,NELAC-NY12058,NJDEP	02/04/2020 16:41	LLJ
95-93-2	* 1,2,4,5-Tetramethylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications:	02/01/2020 17:22	02/04/2020 16:41	LLJ



Sample Information

Client Sample ID: MW-6 (4-8)

York Sample ID: 20A1088-05

York Project (SDG) No.

Client Project ID

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20A1088

130 Midland Avenue, Port Chester, New York

Soil

January 29, 2020 12:00 am

01/30/2020

Volatiles, 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
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/04/2020 16:41	LLJ
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/04/2020 16:41	LLJ
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/04/2020 16:41	LLJ
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/04/2020 16:41	LLJ
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/04/2020 16:41	LLJ
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/04/2020 16:41	LLJ
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/04/2020 16:41	LLJ
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/04/2020 16:41	LLJ
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/04/2020 16:41	LLJ
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/04/2020 16:41	LLJ
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/04/2020 16:41	LLJ
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.047	0.093	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/04/2020 16:41	LLJ
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	02/01/2020 17:22	02/04/2020 16:41	LLJ
78-93-3	2-Butanone	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/04/2020 16:41	LLJ
110-75-8	2-Chloroethylvinyl ether	ND		mg/kg dry	0.0093	0.019	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/04/2020 16:41	LLJ
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/04/2020 16:41	LLJ
591-78-6	2-Hexanone	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/04/2020 16:41	LLJ
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/04/2020 16:41	LLJ
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/04/2020 16:41	LLJ
67-64-1	Acetone	0.0072	J	mg/kg dry	0.0047	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/04/2020 16:41	LLJ
107-02-8	Acrolein	ND		mg/kg dry	0.0047	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/04/2020 16:41	LLJ
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/04/2020 16:41	LLJ
71-43-2	Benzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/04/2020 16:41	LLJ



Sample Information

Client Sample ID: MW-6 (4-8)

York Sample ID: 20A1088-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1088

130 Midland Avenue, Port Chester, New York

Soil

January 29, 2020 12:00 am

01/30/2020

Volatiles, 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
108-86-1	Bromobenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/04/2020 16:41	LLJ
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/04/2020 16:41	LLJ
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/04/2020 16:41	LLJ
75-25-2	Bromoform	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/04/2020 16:41	LLJ
74-83-9	Bromomethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/04/2020 16:41	LLJ
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/04/2020 16:41	LLJ
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/04/2020 16:41	LLJ
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/04/2020 16:41	LLJ
75-00-3	Chloroethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/04/2020 16:41	LLJ
67-66-3	Chloroform	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/04/2020 16:41	LLJ
74-87-3	Chloromethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/04/2020 16:41	LLJ
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/04/2020 16:41	LLJ
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/04/2020 16:41	LLJ
110-82-7	Cyclohexane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/04/2020 16:41	LLJ
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/04/2020 16:41	LLJ
74-95-3	Dibromomethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/04/2020 16:41	LLJ
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/04/2020 16:41	LLJ
108-20-3	* Diisopropyl ether (DIPE)	ND		mg/kg dry	0.0037	0.0075	1	EPA 8260C Certifications:	02/01/2020 17:22	02/04/2020 16:41	LLJ
64-17-5	* Ethanol	ND		mg/kg dry	0.037	0.075	1	EPA 8260C Certifications:	02/01/2020 17:22	02/04/2020 16:41	LLJ
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/04/2020 16:41	LLJ
637-92-3	* Ethyl tert-butyl ether (ETBE)	ND		mg/kg dry	0.0037	0.0075	1	EPA 8260C Certifications:	02/01/2020 17:22	02/04/2020 16:41	LLJ
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/04/2020 16:41	LLJ
74-88-4	* Iodomethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications:	02/01/2020 17:22	02/04/2020 16:41	LLJ



Sample Information

Client Sample ID: MW-6 (4-8)

York Sample ID: 20A1088-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1088

130 Midland Avenue, Port Chester, New York

Soil

January 29, 2020 12:00 am

01/30/2020

Volatiles, 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
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications:	02/01/2020 17:22	02/04/2020 16:41	LLJ
79-20-9	Methyl acetate	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications:	02/01/2020 17:22	02/04/2020 16:41	LLJ
80-62-6	Methyl Methacrylate	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications:	02/01/2020 17:22	02/04/2020 16:41	LLJ
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications:	02/01/2020 17:22	02/04/2020 16:41	LLJ
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications:	02/01/2020 17:22	02/04/2020 16:41	LLJ
75-09-2	Methylene chloride	ND		mg/kg dry	0.0047	0.0093	1	EPA 8260C Certifications:	02/01/2020 17:22	02/04/2020 16:41	LLJ
91-20-3	Naphthalene	ND		mg/kg dry	0.0023	0.0093	1	EPA 8260C Certifications:	02/01/2020 17:22	02/04/2020 16:41	LLJ
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications:	02/01/2020 17:22	02/04/2020 16:41	LLJ
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications:	02/01/2020 17:22	02/04/2020 16:41	LLJ
95-47-6	o-Xylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications:	02/01/2020 17:22	02/04/2020 16:41	LLJ
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0047	0.0093	1	EPA 8260C Certifications:	02/01/2020 17:22	02/04/2020 16:41	LLJ
105-05-5	* p-Diethylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications:	02/01/2020 17:22	02/04/2020 16:41	LLJ
622-96-8	* p-Ethyltoluene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications:	02/01/2020 17:22	02/04/2020 16:41	LLJ
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications:	02/01/2020 17:22	02/04/2020 16:41	LLJ
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications:	02/01/2020 17:22	02/04/2020 16:41	LLJ
100-42-5	Styrene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications:	02/01/2020 17:22	02/04/2020 16:41	LLJ
75-85-4	* tert-Amyl alcohol (TAA)	ND		mg/kg dry	0.037	0.075	1	EPA 8260C Certifications:	02/01/2020 17:22	02/04/2020 16:41	LLJ
994-05-8	* tert-Amyl methyl ether (TAME)	ND		mg/kg dry	0.0037	0.0075	1	EPA 8260C Certifications:	02/01/2020 17:22	02/04/2020 16:41	LLJ
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications:	02/01/2020 17:22	02/04/2020 16:41	LLJ
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications:	02/01/2020 17:22	02/04/2020 16:41	LLJ
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications:	02/01/2020 17:22	02/04/2020 16:41	LLJ
109-99-9	* Tetrahydrofuran	ND		mg/kg dry	0.0047	0.0093	1	EPA 8260C Certifications:	02/01/2020 17:22	02/04/2020 16:41	LLJ
108-88-3	Toluene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications:	02/01/2020 17:22	02/04/2020 16:41	LLJ



Sample Information

Client Sample ID: MW-6 (4-8)

York Sample ID: 20A1088-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1088

130 Midland Avenue, Port Chester, New York

Soil

January 29, 2020 12:00 am

01/30/2020

Volatiles, 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
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/04/2020 16:41	LLJ
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/04/2020 16:41	LLJ
110-57-6	* trans-1,4-dichloro-2-butene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH	02/01/2020 17:22	02/04/2020 16:41	LLJ
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/04/2020 16:41	LLJ
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/04/2020 16:41	LLJ
108-05-4	Vinyl acetate	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/04/2020 16:41	LLJ
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/04/2020 16:41	LLJ
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0070	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	02/01/2020 17:22	02/04/2020 16:41	LLJ
107-05-1	* Allyl chloride	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications:	02/01/2020 17:22	02/04/2020 16:41	LLJ
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	110 %	77-125								
2037-26-5	Surrogate: SURR: Toluene-d8	97.1 %	85-120								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	101 %	76-130								

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

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	0.0473	0.0944	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 01:38	OW
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0944	0.189	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 01:38	OW
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 01:38	OW
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/04/2020 13:52	02/06/2020 01:38	OW
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 01:38	OW
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/04/2020 13:52	02/06/2020 01:38	OW
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/04/2020 13:52	02/06/2020 01:38	OW
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0944	0.189	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 01:38	OW



Sample Information

Client Sample ID: MW-6 (4-8)

York Sample ID: 20A1088-05

York Project (SDG) No.

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20A1088

130 Midland Avenue, Port Chester, New York

Soil

January 29, 2020 12:00 am

01/30/2020

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2020 01:38	OW
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2020 01:38	OW
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2020 01:38	OW
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2020 01:38	OW
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0944	0.189	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2020 01:38	OW
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2020 01:38	OW
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2020 01:38	OW
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2020 01:38	OW
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2020 01:38	OW
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2020 01:38	OW
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2020 01:38	OW
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0944	0.189	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2020 01:38	OW
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2020 01:38	OW
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2020 01:38	OW
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications:	02/04/2020 13:52 NELAC-NY10854,NJDEP,PADEP	02/06/2020 01:38	OW
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0944	0.189	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2020 01:38	OW
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0944	0.189	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2020 01:38	OW
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2020 01:38	OW
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2020 01:38	OW
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2020 01:38	OW
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2020 01:38	OW
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0944	0.189	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2020 01:38	OW
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0944	0.189	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2020 01:38	OW



Sample Information

Client Sample ID: MW-6 (4-8)

York Sample ID: 20A1088-05

York Project (SDG) No.

Client Project ID

Matrix

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20A1088

130 Midland Avenue, Port Chester, New York

Soil

January 29, 2020 12:00 am

01/30/2020

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 01:38	OW
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 01:38	OW
98-86-2	Acetophenone	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 01:38	OW
62-53-3	Aniline	ND		mg/kg dry	0.189	0.378	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 01:38	OW
120-12-7	Anthracene	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 01:38	OW
1912-24-9	Atrazine	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 01:38	OW
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 01:38	OW
92-87-5	Benzidine	ND		mg/kg dry	0.189	0.378	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	02/04/2020 13:52	02/06/2020 01:38	OW
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 01:38	OW
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 01:38	OW
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 01:38	OW
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 01:38	OW
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 01:38	OW
65-85-0	Benzoic acid	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 01:38	OW
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 01:38	OW
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 01:38	OW
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 01:38	OW
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 01:38	OW
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 01:38	OW
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 01:38	OW
105-60-2	Caprolactam	ND		mg/kg dry	0.0944	0.189	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 01:38	OW
86-74-8	Carbazole	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 01:38	OW
218-01-9	Chrysene	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 01:38	OW



Sample Information

Client Sample ID: MW-6 (4-8)

York Sample ID: 20A1088-05

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130 Midland Avenue, Port Chester, New York

Soil

January 29, 2020 12:00 am

01/30/2020

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2020 01:38	OW
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2020 01:38	OW
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2020 01:38	OW
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2020 01:38	OW
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2020 01:38	OW
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2020 01:38	OW
206-44-0	Fluoranthene	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2020 01:38	OW
86-73-7	Fluorene	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications:	02/04/2020 13:52 NELAC-NY10854,NJDEP,PADEP	02/06/2020 01:38	OW
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2020 01:38	OW
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2020 01:38	OW
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2020 01:38	OW
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2020 01:38	OW
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2020 01:38	OW
78-59-1	Isophorone	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2020 01:38	OW
91-20-3	Naphthalene	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2020 01:38	OW
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2020 01:38	OW
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2020 01:38	OW
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2020 01:38	OW
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2020 01:38	OW
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2020 01:38	OW
85-01-8	Phenanthrene	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2020 01:38	OW
108-95-2	Phenol	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2020 01:38	OW
129-00-0	Pyrene	ND	CCV-L	mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2020 01:38	OW



Sample Information

Client Sample ID: MW-6 (4-8)

York Sample ID: 20A1088-05

York Project (SDG) No.

Client Project ID

Matrix

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20A1088

130 Midland Avenue, Port Chester, New York

Soil

January 29, 2020 12:00 am

01/30/2020

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
110-86-1	Pyridine	ND		mg/kg dry	0.189	0.378	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 01:38	OW
Surrogate Recoveries		Result			Acceptance Range						
367-12-4	Surrogate: SURR: 2-Fluorophenol	69.4 %			20-108						
4165-62-2	Surrogate: SURR: Phenol-d5	74.5 %			23-114						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	88.9 %			22-108						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	81.0 %			21-113						
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	118 %	S-08		19-110						
1718-51-0	Surrogate: SURR: Terphenyl-d14	85.2 %			24-116						

Semi-Volatiles, 1,4-Dioxane by 8270-SIM

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
123-91-1	1,4-Dioxane	ND		ug/kg	9.80	1	EPA 8270D SIM Certifications: NELAC-NY10854	02/03/2020 08:00	02/07/2020 00:16	KH
Surrogate Recoveries		Result			Acceptance Range					
17647-74-4	Surrogate: 1,4-Dioxane-d8	44.0 %			39-83.1					

Pesticides, 8081 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	0.00189	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:39	02/05/2020 20:03	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:39	02/05/2020 20:03	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:39	02/05/2020 20:03	CM
309-00-2	Aldrin	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:39	02/05/2020 20:03	CM
319-84-6	alpha-BHC	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:39	02/05/2020 20:03	CM
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	02/03/2020 07:39	02/05/2020 20:03	CM
319-85-7	beta-BHC	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:39	02/05/2020 20:03	CM
319-86-8	delta-BHC	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:39	02/05/2020 20:03	CM
60-57-1	Dieldrin	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:39	02/05/2020 20:03	CM



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130 Midland Avenue, Port Chester, New York

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01/30/2020

Pesticides, 8081 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
959-98-8	Endosulfan I	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:39	02/05/2020 20:03	CM
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	02/03/2020 07:39	02/05/2020 20:03	CM
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:39	02/05/2020 20:03	CM
72-20-8	Endrin	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:39	02/05/2020 20:03	CM
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:39	02/05/2020 20:03	CM
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:39	02/05/2020 20:03	CM
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:39	02/05/2020 20:03	CM
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	02/03/2020 07:39	02/05/2020 20:03	CM
76-44-8	Heptachlor	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:39	02/05/2020 20:03	CM
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:39	02/05/2020 20:03	CM
72-43-5	Methoxychlor	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:39	02/05/2020 20:03	CM
8001-35-2	Toxaphene	ND		mg/kg dry	0.189	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:39	02/05/2020 20:03	CM
57-74-9	* Chlordane, total	ND		mg/kg dry	0.0377	5	EPA 8081B Certifications:	02/03/2020 07:39	02/05/2020 20:03	CM
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	67.3 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	73.5 %	30-150							

Polychlorinated Biphenyls (PCB), 8082 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
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/03/2020 07:39	02/03/2020 20:54	SR
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/03/2020 07:39	02/03/2020 20:54	SR
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/03/2020 07:39	02/03/2020 20:54	SR
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/03/2020 07:39	02/03/2020 20:54	SR
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/03/2020 07:39	02/03/2020 20:54	SR



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Polychlorinated Biphenyls (PCB), 8082 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
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/03/2020 07:39	02/03/2020 20:54	SR
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/03/2020 07:39	02/03/2020 20:54	SR
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications:	02/03/2020 07:39	02/03/2020 20:54	SR
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	83.0 %								
2051-24-3	Surrogate: Decachlorobiphenyl	69.0 %								

Herbicides, 8151 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	0.0228	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:42	02/03/2020 20:55	SR
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0228	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:42	02/03/2020 20:55	SR
94-75-7	2,4-D	ND		mg/kg dry	0.0228	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:42	02/03/2020 20:55	SR
Surrogate Recoveries		Result		Acceptance Range						
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	64.6 %								

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	6310	B	mg/kg dry	5.73	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 12:59	JAM
7440-36-0	Antimony	ND		mg/kg dry	2.87	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 12:59	JAM
7440-38-2	Arsenic	ND		mg/kg dry	1.72	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 12:59	JAM
7440-39-3	Barium	50.0		mg/kg dry	2.87	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 12:59	JAM
7440-41-7	Beryllium	ND		mg/kg dry	0.057	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 12:59	JAM
7440-43-9	Cadmium	ND		mg/kg dry	0.344	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 12:59	JAM
7440-70-2	Calcium	1630		mg/kg dry	5.73	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 12:59	JAM



Sample Information

Client Sample ID: MW-6 (4-8)

York Sample ID: 20A1088-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1088

130 Midland Avenue, Port Chester, New York

Soil

January 29, 2020 12:00 am

01/30/2020

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
7440-47-3	Chromium	13.3		mg/kg dry	0.573	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 12:59	JAM
7440-48-4	Cobalt	6.08		mg/kg dry	0.459	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 12:59	JAM
7440-50-8	Copper	15.4		mg/kg dry	2.29	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 12:59	JAM
7439-89-6	Iron	10500		mg/kg dry	28.7	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 12:59	JAM
7439-92-1	Lead	2.69		mg/kg dry	0.573	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 12:59	JAM
7439-95-4	Magnesium	2600		mg/kg dry	5.73	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 12:59	JAM
7439-96-5	Manganese	97.4		mg/kg dry	0.573	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 12:59	JAM
7440-02-0	Nickel	12.8		mg/kg dry	1.15	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 12:59	JAM
7440-09-7	Potassium	2110		mg/kg dry	5.73	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 12:59	JAM
7782-49-2	Selenium	ND		mg/kg dry	2.87	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 12:59	JAM
7440-22-4	Silver	ND		mg/kg dry	0.573	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 12:59	JAM
7440-23-5	Sodium	170		mg/kg dry	57.3	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 12:59	JAM
7440-28-0	Thallium	ND		mg/kg dry	2.87	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 12:59	JAM
7440-62-2	Vanadium	17.9		mg/kg dry	1.15	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 12:59	JAM
7440-66-6	Zinc	28.0		mg/kg dry	2.87	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 12:59	JAM

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	0.0344	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	01/30/2020 16:26	01/30/2020 20:03	MAO

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



Sample Information

Client Sample ID: MW-6 (4-8)

York Sample ID: 20A1088-05

York Project (SDG) No.

Client Project ID

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20A1088

130 Midland Avenue, Port Chester, New York

Soil

January 29, 2020 12:00 am

01/30/2020

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	87.2		%	0.100	1	SM 2540G Certifications: CTDH	01/31/2020 10:16	01/31/2020 18:56	STN

Sample Information

Client Sample ID: GB-10 (4-8)

York Sample ID: 20A1088-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1088

130 Midland Avenue, Port Chester, New York

Soil

January 29, 2020 12:00 am

01/30/2020

Volatiles, 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: CTDH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/04/2020 17:07	LLJ
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/04/2020 17:07	LLJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/04/2020 17:07	LLJ
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: CTDH,NELAC-NY10854,NELAC-NY12058,NJDEP	02/01/2020 17:22	02/04/2020 17:07	LLJ
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/04/2020 17:07	LLJ
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/04/2020 17:07	LLJ
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/04/2020 17:07	LLJ
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/04/2020 17:07	LLJ
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	02/01/2020 17:22	02/04/2020 17:07	LLJ
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	02/01/2020 17:22	02/04/2020 17:07	LLJ
95-93-2	* 1,2,4,5-Tetramethylbenzene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications:	02/01/2020 17:22	02/04/2020 17:07	LLJ
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	02/01/2020 17:22	02/04/2020 17:07	LLJ
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/04/2020 17:07	LLJ
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/04/2020 17:07	LLJ



Sample Information

Client Sample ID: GB-10 (4-8)

York Sample ID: 20A1088-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1088

130 Midland Avenue, Port Chester, New York

Soil

January 29, 2020 12:00 am

01/30/2020

Volatiles, 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
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications:	02/01/2020 17:22	02/04/2020 17:07	LLJ
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications:	02/01/2020 17:22	02/04/2020 17:07	LLJ
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications:	02/01/2020 17:22	02/04/2020 17:07	LLJ
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications:	02/01/2020 17:22	02/04/2020 17:07	LLJ
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications:	02/01/2020 17:22	02/04/2020 17:07	LLJ
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications:	02/01/2020 17:22	02/04/2020 17:07	LLJ
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications:	02/01/2020 17:22	02/04/2020 17:07	LLJ
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications:	02/01/2020 17:22	02/04/2020 17:07	LLJ
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.071	0.14	1	EPA 8260C Certifications:	02/01/2020 17:22	02/04/2020 17:07	LLJ
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications:	02/01/2020 17:22	02/04/2020 17:07	LLJ
78-93-3	2-Butanone	0.038		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications:	02/01/2020 17:22	02/04/2020 17:07	LLJ
110-75-8	2-Chloroethylvinyl ether	ND		mg/kg dry	0.014	0.029	1	EPA 8260C Certifications:	02/01/2020 17:22	02/04/2020 17:07	LLJ
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications:	02/01/2020 17:22	02/04/2020 17:07	LLJ
591-78-6	2-Hexanone	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications:	02/01/2020 17:22	02/04/2020 17:07	LLJ
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications:	02/01/2020 17:22	02/04/2020 17:07	LLJ
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications:	02/01/2020 17:22	02/04/2020 17:07	LLJ
67-64-1	Acetone	0.15		mg/kg dry	0.0071	0.014	1	EPA 8260C Certifications:	02/01/2020 17:22	02/04/2020 17:07	LLJ
107-02-8	Acrolein	ND		mg/kg dry	0.0071	0.014	1	EPA 8260C Certifications:	02/01/2020 17:22	02/04/2020 17:07	LLJ
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications:	02/01/2020 17:22	02/04/2020 17:07	LLJ
71-43-2	Benzene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications:	02/01/2020 17:22	02/04/2020 17:07	LLJ
108-86-1	Bromobenzene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications:	02/01/2020 17:22	02/04/2020 17:07	LLJ
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications:	02/01/2020 17:22	02/04/2020 17:07	LLJ
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications:	02/01/2020 17:22	02/04/2020 17:07	LLJ



Sample Information

Client Sample ID: GB-10 (4-8)

York Sample ID: 20A1088-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1088

130 Midland Avenue, Port Chester, New York

Soil

January 29, 2020 12:00 am

01/30/2020

Volatiles, 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
75-25-2	Bromoform	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications:	02/01/2020 17:22	02/04/2020 17:07	LLJ
74-83-9	Bromomethane	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications:	02/01/2020 17:22	02/04/2020 17:07	LLJ
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications:	02/01/2020 17:22	02/04/2020 17:07	LLJ
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications:	02/01/2020 17:22	02/04/2020 17:07	LLJ
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications:	02/01/2020 17:22	02/04/2020 17:07	LLJ
75-00-3	Chloroethane	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications:	02/01/2020 17:22	02/04/2020 17:07	LLJ
67-66-3	Chloroform	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications:	02/01/2020 17:22	02/04/2020 17:07	LLJ
74-87-3	Chloromethane	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications:	02/01/2020 17:22	02/04/2020 17:07	LLJ
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications:	02/01/2020 17:22	02/04/2020 17:07	LLJ
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications:	02/01/2020 17:22	02/04/2020 17:07	LLJ
110-82-7	Cyclohexane	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications:	02/01/2020 17:22	02/04/2020 17:07	LLJ
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications:	02/01/2020 17:22	02/04/2020 17:07	LLJ
74-95-3	Dibromomethane	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications:	02/01/2020 17:22	02/04/2020 17:07	LLJ
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications:	02/01/2020 17:22	02/04/2020 17:07	LLJ
108-20-3	* Diisopropyl ether (DIPE)	ND		mg/kg dry	0.0057	0.011	1	EPA 8260C Certifications:	02/01/2020 17:22	02/04/2020 17:07	LLJ
64-17-5	* Ethanol	ND		mg/kg dry	0.057	0.11	1	EPA 8260C Certifications:	02/01/2020 17:22	02/04/2020 17:07	LLJ
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications:	02/01/2020 17:22	02/04/2020 17:07	LLJ
637-92-3	* Ethyl tert-butyl ether (ETBE)	ND		mg/kg dry	0.0057	0.011	1	EPA 8260C Certifications:	02/01/2020 17:22	02/04/2020 17:07	LLJ
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications:	02/01/2020 17:22	02/04/2020 17:07	LLJ
74-88-4	* Iodomethane	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications:	02/01/2020 17:22	02/04/2020 17:07	LLJ
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications:	02/01/2020 17:22	02/04/2020 17:07	LLJ
79-20-9	Methyl acetate	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications:	02/01/2020 17:22	02/04/2020 17:07	LLJ
80-62-6	Methyl Methacrylate	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications:	02/01/2020 17:22	02/04/2020 17:07	LLJ



Sample Information

Client Sample ID: GB-10 (4-8)

York Sample ID: 20A1088-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1088

130 Midland Avenue, Port Chester, New York

Soil

January 29, 2020 12:00 am

01/30/2020

Volatiles, 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
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications:	02/01/2020 17:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 17:07	LLJ
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications:	02/01/2020 17:22 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 17:07	LLJ
75-09-2	Methylene chloride	ND		mg/kg dry	0.0071	0.014	1	EPA 8260C Certifications:	02/01/2020 17:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 17:07	LLJ
91-20-3	Naphthalene	ND		mg/kg dry	0.0036	0.014	1	EPA 8260C Certifications:	02/01/2020 17:22 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 17:07	LLJ
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications:	02/01/2020 17:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 17:07	LLJ
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications:	02/01/2020 17:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 17:07	LLJ
95-47-6	o-Xylene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications:	02/01/2020 17:22 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	02/04/2020 17:07	LLJ
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0071	0.014	1	EPA 8260C Certifications:	02/01/2020 17:22 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	02/04/2020 17:07	LLJ
105-05-5	* p-Diethylbenzene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications:	02/01/2020 17:22	02/04/2020 17:07	LLJ
622-96-8	* p-Ethyltoluene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications:	02/01/2020 17:22	02/04/2020 17:07	LLJ
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications:	02/01/2020 17:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 17:07	LLJ
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications:	02/01/2020 17:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 17:07	LLJ
100-42-5	Styrene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications:	02/01/2020 17:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 17:07	LLJ
75-85-4	* tert-Amyl alcohol (TAA)	ND		mg/kg dry	0.057	0.11	1	EPA 8260C Certifications:	02/01/2020 17:22	02/04/2020 17:07	LLJ
994-05-8	* tert-Amyl methyl ether (TAME)	ND		mg/kg dry	0.0057	0.011	1	EPA 8260C Certifications:	02/01/2020 17:22	02/04/2020 17:07	LLJ
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications:	02/01/2020 17:22 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 17:07	LLJ
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications:	02/01/2020 17:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 17:07	LLJ
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications:	02/01/2020 17:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 17:07	LLJ
109-99-9	* Tetrahydrofuran	ND		mg/kg dry	0.0071	0.014	1	EPA 8260C Certifications:	02/01/2020 17:22	02/04/2020 17:07	LLJ
108-88-3	Toluene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications:	02/01/2020 17:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 17:07	LLJ
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications:	02/01/2020 17:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 17:07	LLJ
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications:	02/01/2020 17:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 17:07	LLJ
110-57-6	* trans-1,4-dichloro-2-butene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications:	02/01/2020 17:22 CTDOH	02/04/2020 17:07	LLJ



Sample Information

Client Sample ID: GB-10 (4-8)

York Sample ID: 20A1088-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1088

130 Midland Avenue, Port Chester, New York

Soil

January 29, 2020 12:00 am

01/30/2020

Volatiles, 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
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/04/2020 17:07	LLJ
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/04/2020 17:07	LLJ
108-05-4	Vinyl acetate	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/04/2020 17:07	LLJ
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/04/2020 17:07	LLJ
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.011	0.021	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	02/01/2020 17:22	02/04/2020 17:07	LLJ
107-05-1	* Allyl chloride	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications:	02/01/2020 17:22	02/04/2020 17:07	LLJ
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	111 %			77-125						
2037-26-5	Surrogate: SURR: Toluene-d8	101 %			85-120						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	103 %			76-130						

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

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	0.0629	0.126	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 02:12	OW
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.126	0.251	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 02:12	OW
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0629	0.126	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 02:12	OW
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0629	0.126	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/04/2020 13:52	02/06/2020 02:12	OW
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0629	0.126	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 02:12	OW
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0629	0.126	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/04/2020 13:52	02/06/2020 02:12	OW
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0629	0.126	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/04/2020 13:52	02/06/2020 02:12	OW
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.126	0.251	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 02:12	OW
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0629	0.126	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 02:12	OW
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0629	0.126	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 02:12	OW
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0629	0.126	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 02:12	OW



Sample Information

Client Sample ID: GB-10 (4-8)

York Sample ID: 20A1088-06

York Project (SDG) No.

Client Project ID

Matrix

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20A1088

130 Midland Avenue, Port Chester, New York

Soil

January 29, 2020 12:00 am

01/30/2020

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0629	0.126	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2020 02:12	OW
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.126	0.251	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2020 02:12	OW
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0629	0.126	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2020 02:12	OW
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0629	0.126	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2020 02:12	OW
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0629	0.126	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2020 02:12	OW
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0629	0.126	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2020 02:12	OW
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0629	0.126	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2020 02:12	OW
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0629	0.126	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2020 02:12	OW
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.126	0.251	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2020 02:12	OW
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0629	0.126	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2020 02:12	OW
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0629	0.126	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2020 02:12	OW
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0629	0.126	2	EPA 8270D Certifications:	02/04/2020 13:52 NELAC-NY10854,NJDEP,PADEP	02/06/2020 02:12	OW
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.126	0.251	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2020 02:12	OW
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.126	0.251	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2020 02:12	OW
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0629	0.126	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2020 02:12	OW
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0629	0.126	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2020 02:12	OW
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0629	0.126	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2020 02:12	OW
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0629	0.126	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2020 02:12	OW
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.126	0.251	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2020 02:12	OW
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.126	0.251	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2020 02:12	OW
83-32-9	Acenaphthene	ND		mg/kg dry	0.0629	0.126	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2020 02:12	OW
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0629	0.126	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2020 02:12	OW
98-86-2	Acetophenone	ND		mg/kg dry	0.0629	0.126	2	EPA 8270D Certifications:	02/04/2020 13:52 NELAC-NY10854,NJDEP,PADEP	02/06/2020 02:12	OW



Sample Information

Client Sample ID: GB-10 (4-8)

York Sample ID: 20A1088-06

York Project (SDG) No.

Client Project ID

Matrix

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Date Received

20A1088

130 Midland Avenue, Port Chester, New York

Soil

January 29, 2020 12:00 am

01/30/2020

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
62-53-3	Aniline	ND		mg/kg dry	0.251	0.503	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 02:12	OW
120-12-7	Anthracene	ND		mg/kg dry	0.0629	0.126	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 02:12	OW
1912-24-9	Atrazine	ND		mg/kg dry	0.0629	0.126	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 02:12	OW
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0629	0.126	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 02:12	OW
92-87-5	Benzidine	ND		mg/kg dry	0.251	0.503	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	02/04/2020 13:52	02/06/2020 02:12	OW
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0629	0.126	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 02:12	OW
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0629	0.126	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 02:12	OW
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0629	0.126	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 02:12	OW
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0629	0.126	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 02:12	OW
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0629	0.126	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 02:12	OW
65-85-0	Benzoic acid	ND		mg/kg dry	0.0629	0.126	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 02:12	OW
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0629	0.126	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 02:12	OW
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0629	0.126	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 02:12	OW
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0629	0.126	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 02:12	OW
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0629	0.126	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 02:12	OW
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0629	0.126	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 02:12	OW
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0629	0.126	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 02:12	OW
105-60-2	Caprolactam	ND		mg/kg dry	0.126	0.251	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 02:12	OW
86-74-8	Carbazole	ND		mg/kg dry	0.0629	0.126	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 02:12	OW
218-01-9	Chrysene	ND		mg/kg dry	0.0629	0.126	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 02:12	OW
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0629	0.126	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 02:12	OW
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0629	0.126	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 02:12	OW
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0629	0.126	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 02:12	OW



Sample Information

Client Sample ID: GB-10 (4-8)

York Sample ID: 20A1088-06

York Project (SDG) No.

Client Project ID

Matrix

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20A1088

130 Midland Avenue, Port Chester, New York

Soil

January 29, 2020 12:00 am

01/30/2020

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

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	0.0629	0.126	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 02:12	OW
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0629	0.126	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 02:12	OW
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0629	0.126	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 02:12	OW
206-44-0	Fluoranthene	ND		mg/kg dry	0.0629	0.126	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 02:12	OW
86-73-7	Fluorene	ND		mg/kg dry	0.0629	0.126	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 02:12	OW
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0629	0.126	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 02:12	OW
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0629	0.126	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 02:12	OW
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0629	0.126	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 02:12	OW
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0629	0.126	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 02:12	OW
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0629	0.126	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 02:12	OW
78-59-1	Isophorone	ND		mg/kg dry	0.0629	0.126	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 02:12	OW
91-20-3	Naphthalene	ND		mg/kg dry	0.0629	0.126	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 02:12	OW
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0629	0.126	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 02:12	OW
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0629	0.126	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 02:12	OW
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0629	0.126	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 02:12	OW
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0629	0.126	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 02:12	OW
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0629	0.126	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 02:12	OW
85-01-8	Phenanthrene	ND		mg/kg dry	0.0629	0.126	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 02:12	OW
108-95-2	Phenol	ND		mg/kg dry	0.0629	0.126	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 02:12	OW
129-00-0	Pyrene	ND	CCV-L	mg/kg dry	0.0629	0.126	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 02:12	OW
110-86-1	Pyridine	ND		mg/kg dry	0.251	0.503	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 02:12	OW
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: SURR: 2-Fluorophenol	64.2 %	20-108								
4165-62-2	Surrogate: SURR: Phenol-d5	67.4 %	23-114								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	72.3 %	22-108								



Sample Information

Client Sample ID: GB-10 (4-8)

York Sample ID: 20A1088-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1088

130 Midland Avenue, Port Chester, New York

Soil

January 29, 2020 12:00 am

01/30/2020

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	54.8 %			21-113						
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	89.0 %			19-110						
1718-51-0	Surrogate: SURR: Terphenyl-d14	54.5 %			24-116						

Semi-Volatiles, 1,4-Dioxane by 8270-SIM

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
123-91-1	1,4-Dioxane	ND		ug/kg	9.90	1	EPA 8270D SIM Certifications: NELAC-NY10854	02/03/2020 08:00	02/07/2020 00:33	KH
	Surrogate Recoveries	Result			Acceptance Range					
17647-74-4	Surrogate: 1,4-Dioxane-d8	40.0 %			39-83.1					

Pesticides, 8081 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	0.00366	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:39	02/05/2020 20:20	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00366	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:39	02/05/2020 20:20	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00366	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:39	02/05/2020 20:20	CM
309-00-2	Aldrin	ND		mg/kg dry	0.00366	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:39	02/05/2020 20:20	CM
319-84-6	alpha-BHC	ND		mg/kg dry	0.00366	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:39	02/05/2020 20:20	CM
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00366	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	02/03/2020 07:39	02/05/2020 20:20	CM
319-85-7	beta-BHC	ND		mg/kg dry	0.00366	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:39	02/05/2020 20:20	CM
319-86-8	delta-BHC	ND		mg/kg dry	0.00366	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:39	02/05/2020 20:20	CM
60-57-1	Dieldrin	ND		mg/kg dry	0.00366	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:39	02/05/2020 20:20	CM
959-98-8	Endosulfan I	ND		mg/kg dry	0.00366	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:39	02/05/2020 20:20	CM
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00366	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	02/03/2020 07:39	02/05/2020 20:20	CM
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00366	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:39	02/05/2020 20:20	CM
72-20-8	Endrin	ND		mg/kg dry	0.00366	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:39	02/05/2020 20:20	CM



Sample Information

Client Sample ID: GB-10 (4-8)

York Sample ID: 20A1088-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1088

130 Midland Avenue, Port Chester, New York

Soil

January 29, 2020 12:00 am

01/30/2020

Pesticides, 8081 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
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00366	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:39	02/05/2020 20:20	CM
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00366	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:39	02/05/2020 20:20	CM
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00366	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:39	02/05/2020 20:20	CM
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00366	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	02/03/2020 07:39	02/05/2020 20:20	CM
76-44-8	Heptachlor	ND		mg/kg dry	0.00366	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:39	02/05/2020 20:20	CM
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00366	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:39	02/05/2020 20:20	CM
72-43-5	Methoxychlor	ND		mg/kg dry	0.00366	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:39	02/05/2020 20:20	CM
8001-35-2	Toxaphene	ND		mg/kg dry	0.366	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:39	02/05/2020 20:20	CM
57-74-9	* Chlordane, total	ND		mg/kg dry	0.0732	5	EPA 8081B Certifications:	02/03/2020 07:39	02/05/2020 20:20	CM
Surrogate Recoveries		Result		Acceptance Range						
2051-24-3	Surrogate: Decachlorobiphenyl	32.4 %								
877-09-8	Surrogate: Tetrachloro-m-xylene	39.4 %								

Polychlorinated Biphenyls (PCB), 8082 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
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0369	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/03/2020 07:39	02/03/2020 21:08	SR
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0369	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/03/2020 07:39	02/03/2020 21:08	SR
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0369	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/03/2020 07:39	02/03/2020 21:08	SR
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0369	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/03/2020 07:39	02/03/2020 21:08	SR
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0369	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/03/2020 07:39	02/03/2020 21:08	SR
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0369	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/03/2020 07:39	02/03/2020 21:08	SR
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0369	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/03/2020 07:39	02/03/2020 21:08	SR
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0369	1	EPA 8082A Certifications:	02/03/2020 07:39	02/03/2020 21:08	SR
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	45.0 %								
2051-24-3	Surrogate: Decachlorobiphenyl	31.0 %								



York Sample ID: **20A1088-06**

Date Received

01/30/2020

Sample Notes:

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	0.0302	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:42	02/03/2020 21:06	SR
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0302	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:42	02/03/2020 21:06	SR
94-75-7	2,4-D	ND		mg/kg dry	0.0302	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:42	02/03/2020 21:06	SR
	Surrogate Recoveries	Result		Acceptance Range						
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	72.2 %		21-150						

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	28900	B	mg/kg dry	7.57	1	EPA 6010D Certifications:	01/31/2020 10:13 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 13:02	JAM
7440-36-0	Antimony	ND		mg/kg dry	3.79	1	EPA 6010D Certifications:	01/31/2020 10:13 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 13:02	JAM
7440-38-2	Arsenic	3.65		mg/kg dry	2.27	1	EPA 6010D Certifications:	01/31/2020 10:13 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 13:02	JAM
7440-39-3	Barium	214		mg/kg dry	3.79	1	EPA 6010D Certifications:	01/31/2020 10:13 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 13:02	JAM
7440-41-7	Beryllium	ND		mg/kg dry	0.076	1	EPA 6010D Certifications:	01/31/2020 10:13 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 13:02	JAM
7440-43-9	Cadmium	ND		mg/kg dry	0.454	1	EPA 6010D Certifications:	01/31/2020 10:13 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 13:02	JAM
7440-70-2	Calcium	4900		mg/kg dry	7.57	1	EPA 6010D Certifications:	01/31/2020 10:13 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 13:02	JAM
7440-47-3	Chromium	152		mg/kg dry	0.757	1	EPA 6010D Certifications:	01/31/2020 10:13 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 13:02	JAM
7440-48-4	Cobalt	25.5		mg/kg dry	0.606	1	EPA 6010D Certifications:	01/31/2020 10:13 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 13:02	JAM
7440-50-8	Copper	26.8		mg/kg dry	3.03	1	EPA 6010D Certifications:	01/31/2020 10:13 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 13:02	JAM
7439-89-6	Iron	24300		mg/kg dry	37.9	1	EPA 6010D Certifications:	01/31/2020 10:13 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 13:02	JAM
7439-92-1	Lead	10.7		mg/kg dry	0.757	1	EPA 6010D Certifications:	01/31/2020 10:13 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 13:02	JAM
7439-95-4	Magnesium	5280		mg/kg dry	7.57	1	EPA 6010D Certifications:	01/31/2020 10:13 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 13:02	JAM
7439-96-5	Manganese	552		mg/kg dry	0.757	1	EPA 6010D Certifications:	01/31/2020 10:13 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 13:02	JAM



Sample Information

Client Sample ID: GB-10 (4-8)

York Sample ID: 20A1088-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1088

130 Midland Avenue, Port Chester, New York

Soil

January 29, 2020 12:00 am

01/30/2020

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
7440-02-0	Nickel	279		mg/kg dry	1.51	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 13:02	JAM
7440-09-7	Potassium	1150		mg/kg dry	7.57	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 13:02	JAM
7782-49-2	Selenium	ND		mg/kg dry	3.79	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 13:02	JAM
7440-22-4	Silver	ND		mg/kg dry	0.757	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 13:02	JAM
7440-23-5	Sodium	1380		mg/kg dry	75.7	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 13:02	JAM
7440-28-0	Thallium	ND		mg/kg dry	3.79	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 13:02	JAM
7440-62-2	Vanadium	36.1		mg/kg dry	1.51	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 13:02	JAM
7440-66-6	Zinc	57.8		mg/kg dry	3.79	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 13:02	JAM

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	0.101		mg/kg dry	0.0454	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	01/30/2020 16:26	01/30/2020 20:12	MAO

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	66.0		%	0.100	1	SM 2540G Certifications: CTDOH	01/31/2020 10:16	01/31/2020 18:56	STN

Sample Information

Client Sample ID: MW-3 (5-9)

York Sample ID: 20A1088-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1088

130 Midland Avenue, Port Chester, New York

Soil

January 29, 2020 12:00 am

01/30/2020

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: MW-3 (5-9)

York Sample ID: 20A1088-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1088

130 Midland Avenue, Port Chester, New York

Soil

January 29, 2020 12:00 am

01/30/2020

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	0.0017	0.0034	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/04/2020 17:34	LLJ
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/04/2020 17:34	LLJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/04/2020 17:34	LLJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	02/01/2020 17:22	02/04/2020 17:34	LLJ
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/04/2020 17:34	LLJ
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/04/2020 17:34	LLJ
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/04/2020 17:34	LLJ
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/04/2020 17:34	LLJ
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/04/2020 17:34	LLJ
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	02/01/2020 17:22	02/04/2020 17:34	LLJ
95-93-2	* 1,2,4,5-Tetramethylbenzene	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications:	02/01/2020 17:22	02/04/2020 17:34	LLJ
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/04/2020 17:34	LLJ
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/04/2020 17:34	LLJ
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/04/2020 17:34	LLJ
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/04/2020 17:34	LLJ
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/04/2020 17:34	LLJ
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/04/2020 17:34	LLJ
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/04/2020 17:34	LLJ
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/04/2020 17:34	LLJ
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/04/2020 17:34	LLJ
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/04/2020 17:34	LLJ
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/04/2020 17:34	LLJ
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.034	0.069	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/04/2020 17:34	LLJ
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	02/01/2020 17:22	02/04/2020 17:34	LLJ



Sample Information

Client Sample ID: MW-3 (5-9)

York Sample ID: 20A1088-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1088

130 Midland Avenue, Port Chester, New York

Soil

January 29, 2020 12:00 am

01/30/2020

Volatiles, 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
78-93-3	2-Butanone	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications:	02/01/2020 17:22	02/04/2020 17:34	LLJ
110-75-8	2-Chloroethylvinyl ether	ND		mg/kg dry	0.0069	0.014	1	EPA 8260C Certifications:	02/01/2020 17:22	02/04/2020 17:34	LLJ
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications:	02/01/2020 17:22	02/04/2020 17:34	LLJ
591-78-6	2-Hexanone	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications:	02/01/2020 17:22	02/04/2020 17:34	LLJ
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications:	02/01/2020 17:22	02/04/2020 17:34	LLJ
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications:	02/01/2020 17:22	02/04/2020 17:34	LLJ
67-64-1	Acetone	ND		mg/kg dry	0.0034	0.0069	1	EPA 8260C Certifications:	02/01/2020 17:22	02/04/2020 17:34	LLJ
107-02-8	Acrolein	ND		mg/kg dry	0.0034	0.0069	1	EPA 8260C Certifications:	02/01/2020 17:22	02/04/2020 17:34	LLJ
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications:	02/01/2020 17:22	02/04/2020 17:34	LLJ
71-43-2	Benzene	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications:	02/01/2020 17:22	02/04/2020 17:34	LLJ
108-86-1	Bromobenzene	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications:	02/01/2020 17:22	02/04/2020 17:34	LLJ
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications:	02/01/2020 17:22	02/04/2020 17:34	LLJ
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications:	02/01/2020 17:22	02/04/2020 17:34	LLJ
75-25-2	Bromoform	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications:	02/01/2020 17:22	02/04/2020 17:34	LLJ
74-83-9	Bromomethane	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications:	02/01/2020 17:22	02/04/2020 17:34	LLJ
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications:	02/01/2020 17:22	02/04/2020 17:34	LLJ
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications:	02/01/2020 17:22	02/04/2020 17:34	LLJ
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications:	02/01/2020 17:22	02/04/2020 17:34	LLJ
75-00-3	Chloroethane	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications:	02/01/2020 17:22	02/04/2020 17:34	LLJ
67-66-3	Chloroform	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications:	02/01/2020 17:22	02/04/2020 17:34	LLJ
74-87-3	Chloromethane	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications:	02/01/2020 17:22	02/04/2020 17:34	LLJ
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications:	02/01/2020 17:22	02/04/2020 17:34	LLJ
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications:	02/01/2020 17:22	02/04/2020 17:34	LLJ



Sample Information

Client Sample ID: MW-3 (5-9)

York Sample ID: 20A1088-07

York Project (SDG) No.

Client Project ID

Matrix

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20A1088

130 Midland Avenue, Port Chester, New York

Soil

January 29, 2020 12:00 am

01/30/2020

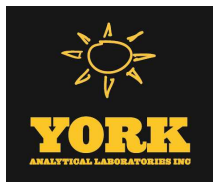
Volatiles, 8260 Comprehensive

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
110-82-7	Cyclohexane	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/04/2020 17:34	LLJ
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/04/2020 17:34	LLJ
74-95-3	Dibromomethane	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/04/2020 17:34	LLJ
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/04/2020 17:34	LLJ
108-20-3	* Diisopropyl ether (DIPE)	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications:	02/01/2020 17:22	02/04/2020 17:34	LLJ
64-17-5	* Ethanol	ND		mg/kg dry	0.028	0.055	1	EPA 8260C Certifications:	02/01/2020 17:22	02/04/2020 17:34	LLJ
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/04/2020 17:34	LLJ
637-92-3	* Ethyl tert-butyl ether (ETBE)	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications:	02/01/2020 17:22	02/04/2020 17:34	LLJ
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/04/2020 17:34	LLJ
74-88-4	* Iodomethane	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications:	02/01/2020 17:22	02/04/2020 17:34	LLJ
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/04/2020 17:34	LLJ
79-20-9	Methyl acetate	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/04/2020 17:34	LLJ
80-62-6	Methyl Methacrylate	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	02/01/2020 17:22	02/04/2020 17:34	LLJ
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/04/2020 17:34	LLJ
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/04/2020 17:34	LLJ
75-09-2	Methylene chloride	ND		mg/kg dry	0.0034	0.0069	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/04/2020 17:34	LLJ
91-20-3	Naphthalene	0.012		mg/kg dry	0.0017	0.0069	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/04/2020 17:34	LLJ
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/04/2020 17:34	LLJ
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/04/2020 17:34	LLJ
95-47-6	o-Xylene	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/04/2020 17:34	LLJ
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0034	0.0069	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/04/2020 17:34	LLJ
105-05-5	* p-Diethylbenzene	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications:	02/01/2020 17:22	02/04/2020 17:34	LLJ
622-96-8	* p-Ethyltoluene	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications:	02/01/2020 17:22	02/04/2020 17:34	LLJ



Sample Information

Client Sample ID: MW-3 (5-9)

York Sample ID: 20A1088-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1088

130 Midland Avenue, Port Chester, New York

Soil

January 29, 2020 12:00 am

01/30/2020

Volatiles, 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
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/04/2020 17:34	LLJ
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/04/2020 17:34	LLJ
100-42-5	Styrene	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/04/2020 17:34	LLJ
75-85-4	* tert-Amyl alcohol (TAA)	ND		mg/kg dry	0.028	0.055	1	EPA 8260C Certifications:	02/01/2020 17:22	02/04/2020 17:34	LLJ
994-05-8	* tert-Amyl methyl ether (TAME)	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications:	02/01/2020 17:22	02/04/2020 17:34	LLJ
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/04/2020 17:34	LLJ
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/04/2020 17:34	LLJ
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/04/2020 17:34	LLJ
109-99-9	* Tetrahydrofuran	ND		mg/kg dry	0.0034	0.0069	1	EPA 8260C Certifications:	02/01/2020 17:22	02/04/2020 17:34	LLJ
108-88-3	Toluene	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/04/2020 17:34	LLJ
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/04/2020 17:34	LLJ
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/04/2020 17:34	LLJ
110-57-6	* trans-1,4-dichloro-2-butene	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: CTDOH	02/01/2020 17:22	02/04/2020 17:34	LLJ
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/04/2020 17:34	LLJ
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/04/2020 17:34	LLJ
108-05-4	Vinyl acetate	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/04/2020 17:34	LLJ
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 17:22	02/04/2020 17:34	LLJ
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	02/01/2020 17:22	02/04/2020 17:34	LLJ
107-05-1	* Allyl chloride	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications:	02/01/2020 17:22	02/04/2020 17:34	LLJ
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURRE: 1,2-Dichloroethane-d4	111 %	77-125								
2037-26-5	Surrogate: SURRE: Toluene-d8	95.8 %	85-120								
460-00-4	Surrogate: SURRE: p-Bromofluorobenzene	96.8 %	76-130								

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: MW-3 (5-9)

York Sample ID: 20A1088-07

York Project (SDG) No.

Client Project ID

Matrix

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Date Received

20A1088

130 Midland Avenue, Port Chester, New York

Soil

January 29, 2020 12:00 am

01/30/2020

Sample Prepared by Method: EPA 3550C

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	0.0473	0.0944	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 02:44	OW
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0944	0.189	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 02:44	OW
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 02:44	OW
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/04/2020 13:52	02/06/2020 02:44	OW
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 02:44	OW
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/04/2020 13:52	02/06/2020 02:44	OW
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/04/2020 13:52	02/06/2020 02:44	OW
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0944	0.189	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 02:44	OW
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 02:44	OW
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 02:44	OW
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 02:44	OW
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 02:44	OW
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0944	0.189	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 02:44	OW
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 02:44	OW
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 02:44	OW
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 02:44	OW
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 02:44	OW
91-57-6	2-Methylnaphthalene	0.0558	J	mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 02:44	OW
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 02:44	OW
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0944	0.189	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 02:44	OW
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 02:44	OW
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 02:44	OW
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 02:44	OW
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0944	0.189	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 02:44	OW



Sample Information

Client Sample ID: MW-3 (5-9)

York Sample ID: 20A1088-07

York Project (SDG) No.

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Matrix

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20A1088

130 Midland Avenue, Port Chester, New York

Soil

January 29, 2020 12:00 am

01/30/2020

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0944	0.189	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2020 02:44	OW
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2020 02:44	OW
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2020 02:44	OW
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2020 02:44	OW
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2020 02:44	OW
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0944	0.189	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2020 02:44	OW
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0944	0.189	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2020 02:44	OW
83-32-9	Acenaphthene	0.0521	J	mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2020 02:44	OW
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2020 02:44	OW
98-86-2	Acetophenone	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications:	02/04/2020 13:52 NELAC-NY10854,NJDEP,PADEP	02/06/2020 02:44	OW
62-53-3	Aniline	ND		mg/kg dry	0.189	0.378	2	EPA 8270D Certifications:	02/04/2020 13:52 NELAC-NY10854,NJDEP,PADEP	02/06/2020 02:44	OW
120-12-7	Anthracene	0.0558	J	mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2020 02:44	OW
1912-24-9	Atrazine	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications:	02/04/2020 13:52 NELAC-NY10854,NJDEP,PADEP	02/06/2020 02:44	OW
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications:	02/04/2020 13:52 NELAC-NY10854,NJDEP,PADEP	02/06/2020 02:44	OW
92-87-5	Benzidine	ND		mg/kg dry	0.189	0.378	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,PADEP	02/06/2020 02:44	OW
56-55-3	Benzo(a)anthracene	0.0732	J	mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2020 02:44	OW
50-32-8	Benzo(a)pyrene	0.0657	J	mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2020 02:44	OW
205-99-2	Benzo(b)fluoranthene	0.0521	J	mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2020 02:44	OW
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2020 02:44	OW
207-08-9	Benzo(k)fluoranthene	0.0506	J	mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2020 02:44	OW
65-85-0	Benzoic acid	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications:	02/04/2020 13:52 NELAC-NY10854,NJDEP,PADEP	02/06/2020 02:44	OW
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications:	02/04/2020 13:52 NELAC-NY10854,NJDEP,PADEP	02/06/2020 02:44	OW
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2020 02:44	OW



Sample Information

Client Sample ID: MW-3 (5-9)

York Sample ID: 20A1088-07

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130 Midland Avenue, Port Chester, New York

Soil

January 29, 2020 12:00 am

01/30/2020

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2020 02:44	OW
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2020 02:44	OW
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2020 02:44	OW
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2020 02:44	OW
105-60-2	Caprolactam	ND		mg/kg dry	0.0944	0.189	2	EPA 8270D Certifications:	02/04/2020 13:52 NELAC-NY10854,NJDEP,PADEP	02/06/2020 02:44	OW
86-74-8	Carbazole	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2020 02:44	OW
218-01-9	Chrysene	0.0641	J	mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2020 02:44	OW
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2020 02:44	OW
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2020 02:44	OW
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2020 02:44	OW
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2020 02:44	OW
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2020 02:44	OW
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2020 02:44	OW
206-44-0	Fluoranthene	0.195		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2020 02:44	OW
86-73-7	Fluorene	0.0724	J	mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications:	02/04/2020 13:52 NELAC-NY10854,NJDEP,PADEP	02/06/2020 02:44	OW
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2020 02:44	OW
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2020 02:44	OW
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2020 02:44	OW
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2020 02:44	OW
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2020 02:44	OW
78-59-1	Isophorone	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2020 02:44	OW
91-20-3	Naphthalene	0.0973		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2020 02:44	OW
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications:	02/04/2020 13:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2020 02:44	OW



Sample Information

Client Sample ID: MW-3 (5-9)

York Sample ID: 20A1088-07

York Project (SDG) No.

Client Project ID

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130 Midland Avenue, Port Chester, New York

Soil

January 29, 2020 12:00 am

01/30/2020

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 02:44	OW
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 02:44	OW
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 02:44	OW
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 02:44	OW
85-01-8	Phenanthrene	0.240		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 02:44	OW
108-95-2	Phenol	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 02:44	OW
129-00-0	Pyrene	0.131	CCV-L	mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 02:44	OW
110-86-1	Pyridine	ND		mg/kg dry	0.189	0.378	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 02:44	OW
Surrogate Recoveries		Result		Acceptance Range							
367-12-4	Surrogate: SURR: 2-Fluorophenol	67.5 %									
4165-62-2	Surrogate: SURR: Phenol-d5	75.1 %									
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	75.5 %									
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	66.6 %									
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	114 %	S-08								
1718-51-0	Surrogate: SURR: Terphenyl-d14	72.1 %									

Semi-Volatiles, 1,4-Dioxane by 8270-SIM

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
123-91-1	1,4-Dioxane	ND		ug/kg	9.80	1	EPA 8270D SIM Certifications: NELAC-NY10854	02/03/2020 08:00	02/07/2020 00:51	KH
Surrogate Recoveries		Result		Acceptance Range						
17647-74-4	Surrogate: 1,4-Dioxane-d8	44.0 %								

Pesticides, 8081 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	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:39	02/05/2020 20:37	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:39	02/05/2020 20:37	CM



Sample Information

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01/30/2020

Pesticides, 8081 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
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:39	02/05/2020 20:37	CM
309-00-2	Aldrin	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:39	02/05/2020 20:37	CM
319-84-6	alpha-BHC	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:39	02/05/2020 20:37	CM
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	02/03/2020 07:39	02/05/2020 20:37	CM
319-85-7	beta-BHC	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:39	02/05/2020 20:37	CM
319-86-8	delta-BHC	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:39	02/05/2020 20:37	CM
60-57-1	Dieldrin	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:39	02/05/2020 20:37	CM
959-98-8	Endosulfan I	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:39	02/05/2020 20:37	CM
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	02/03/2020 07:39	02/05/2020 20:37	CM
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:39	02/05/2020 20:37	CM
72-20-8	Endrin	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:39	02/05/2020 20:37	CM
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:39	02/05/2020 20:37	CM
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:39	02/05/2020 20:37	CM
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:39	02/05/2020 20:37	CM
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	02/03/2020 07:39	02/05/2020 20:37	CM
76-44-8	Heptachlor	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:39	02/05/2020 20:37	CM
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:39	02/05/2020 20:37	CM
72-43-5	Methoxychlor	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:39	02/05/2020 20:37	CM
8001-35-2	Toxaphene	ND		mg/kg dry	0.188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:39	02/05/2020 20:37	CM
57-74-9	* Chlordane, total	ND		mg/kg dry	0.0376	5	EPA 8081B Certifications:	02/03/2020 07:39	02/05/2020 20:37	CM
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	59.9 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	65.4 %	30-150							

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: MW-3 (5-9)

York Sample ID: 20A1088-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1088

130 Midland Avenue, Port Chester, New York

Soil

January 29, 2020 12:00 am

01/30/2020

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	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/03/2020 07:39	02/03/2020 21:21	SR
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/03/2020 07:39	02/03/2020 21:21	SR
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/03/2020 07:39	02/03/2020 21:21	SR
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/03/2020 07:39	02/03/2020 21:21	SR
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/03/2020 07:39	02/03/2020 21:21	SR
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/03/2020 07:39	02/03/2020 21:21	SR
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/03/2020 07:39	02/03/2020 21:21	SR
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications:	02/03/2020 07:39	02/03/2020 21:21	SR
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	74.5 %		30-120						
2051-24-3	Surrogate: Decachlorobiphenyl	64.5 %		30-120						

Herbicides, 8151 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	0.0227	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:42	02/03/2020 21:27	SR
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0227	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:42	02/03/2020 21:27	SR
94-75-7	2,4-D	ND		mg/kg dry	0.0227	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:42	02/03/2020 21:27	SR
Surrogate Recoveries		Result		Acceptance Range						
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	85.2 %		21-150						

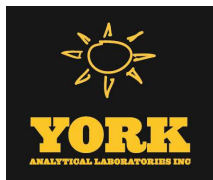
Metals, Target Analyte

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	12800	B	mg/kg dry	5.74	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 13:04	JAM
7440-36-0	Antimony	ND		mg/kg dry	2.87	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 13:04	JAM
7440-38-2	Arsenic	ND		mg/kg dry	1.72	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 13:04	JAM



Sample Information

Client Sample ID: MW-3 (5-9)

York Sample ID: 20A1088-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1088

130 Midland Avenue, Port Chester, New York

Soil

January 29, 2020 12:00 am

01/30/2020

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	133		mg/kg dry	2.87	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 13:04	JAM
7440-41-7	Beryllium	ND		mg/kg dry	0.057	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 13:04	JAM
7440-43-9	Cadmium	ND		mg/kg dry	0.344	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 13:04	JAM
7440-70-2	Calcium	4490		mg/kg dry	5.74	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 13:04	JAM
7440-47-3	Chromium	45.0		mg/kg dry	0.574	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 13:04	JAM
7440-48-4	Cobalt	24.8		mg/kg dry	0.459	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 13:04	JAM
7440-50-8	Copper	57.4		mg/kg dry	2.29	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 13:04	JAM
7439-89-6	Iron	36100		mg/kg dry	28.7	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 13:04	JAM
7439-92-1	Lead	15.3		mg/kg dry	0.574	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 13:04	JAM
7439-95-4	Magnesium	5710		mg/kg dry	5.74	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 13:04	JAM
7439-96-5	Manganese	449		mg/kg dry	0.574	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 13:04	JAM
7440-02-0	Nickel	73.0		mg/kg dry	1.15	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 13:04	JAM
7440-09-7	Potassium	4700		mg/kg dry	5.74	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 13:04	JAM
7782-49-2	Selenium	ND		mg/kg dry	2.87	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 13:04	JAM
7440-22-4	Silver	ND		mg/kg dry	0.574	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 13:04	JAM
7440-23-5	Sodium	180		mg/kg dry	57.4	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 13:04	JAM
7440-28-0	Thallium	ND		mg/kg dry	2.87	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 13:04	JAM
7440-62-2	Vanadium	31.1		mg/kg dry	1.15	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 13:04	JAM
7440-66-6	Zinc	75.1		mg/kg dry	2.87	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 13:04	JAM

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



Sample Information

Client Sample ID: MW-3 (5-9)

York Sample ID: 20A1088-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1088

130 Midland Avenue, Port Chester, New York

Soil

January 29, 2020 12:00 am

01/30/2020

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	0.0344	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	01/30/2020 16:26	01/30/2020 20:21	MAO

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	87.2		%	0.100	1	SM 2540G Certifications: CTDOH	01/31/2020 10:16	01/31/2020 18:56	STN

Sample Information

Client Sample ID: MW-1 (5-14)

York Sample ID: 20A1088-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1088

130 Midland Avenue, Port Chester, New York

Soil

January 29, 2020 12:00 am

01/30/2020

Volatiles, 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	0.0044	0.0088	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/05/2020 06:19	02/05/2020 15:52	LLJ
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0044	0.0088	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/05/2020 06:19	02/05/2020 15:52	LLJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0044	0.0088	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/05/2020 06:19	02/05/2020 15:52	LLJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0044	0.0088	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	02/05/2020 06:19	02/05/2020 15:52	LLJ
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0044	0.0088	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/05/2020 06:19	02/05/2020 15:52	LLJ
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0044	0.0088	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/05/2020 06:19	02/05/2020 15:52	LLJ
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0044	0.0088	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/05/2020 06:19	02/05/2020 15:52	LLJ
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0044	0.0088	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/05/2020 06:19	02/05/2020 15:52	LLJ
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0044	0.0088	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/05/2020 06:19	02/05/2020 15:52	LLJ
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0044	0.0088	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	02/05/2020 06:19	02/05/2020 15:52	LLJ



Sample Information

Client Sample ID: MW-1 (5-14)

York Sample ID: 20A1088-08

York Project (SDG) No.

Client Project ID

Matrix

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Date Received

20A1088

130 Midland Avenue, Port Chester, New York

Soil

January 29, 2020 12:00 am

01/30/2020

Volatiles, 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
95-93-2	* 1,2,4,5-Tetramethylbenzene	ND		mg/kg dry	0.0044	0.0088	1	EPA 8260C Certifications:	02/05/2020 06:19	02/05/2020 15:52	LLJ
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0044	0.0088	1	EPA 8260C Certifications:	02/05/2020 06:19	02/05/2020 15:52	LLJ
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0044	0.0088	1	EPA 8260C Certifications:	02/05/2020 06:19	02/05/2020 15:52	LLJ
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0044	0.0088	1	EPA 8260C Certifications:	02/05/2020 06:19	02/05/2020 15:52	LLJ
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0044	0.0088	1	EPA 8260C Certifications:	02/05/2020 06:19	02/05/2020 15:52	LLJ
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0044	0.0088	1	EPA 8260C Certifications:	02/05/2020 06:19	02/05/2020 15:52	LLJ
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0044	0.0088	1	EPA 8260C Certifications:	02/05/2020 06:19	02/05/2020 15:52	LLJ
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0044	0.0088	1	EPA 8260C Certifications:	02/05/2020 06:19	02/05/2020 15:52	LLJ
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0044	0.0088	1	EPA 8260C Certifications:	02/05/2020 06:19	02/05/2020 15:52	LLJ
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0044	0.0088	1	EPA 8260C Certifications:	02/05/2020 06:19	02/05/2020 15:52	LLJ
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0044	0.0088	1	EPA 8260C Certifications:	02/05/2020 06:19	02/05/2020 15:52	LLJ
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0044	0.0088	1	EPA 8260C Certifications:	02/05/2020 06:19	02/05/2020 15:52	LLJ
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.088	0.18	1	EPA 8260C Certifications:	02/05/2020 06:19	02/05/2020 15:52	LLJ
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0044	0.0088	1	EPA 8260C Certifications:	02/05/2020 06:19	02/05/2020 15:52	LLJ
78-93-3	2-Butanone	0.016		mg/kg dry	0.0044	0.0088	1	EPA 8260C Certifications:	02/05/2020 06:19	02/05/2020 15:52	LLJ
110-75-8	2-Chloroethylvinyl ether	ND		mg/kg dry	0.018	0.035	1	EPA 8260C Certifications:	02/05/2020 06:19	02/05/2020 15:52	LLJ
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0044	0.0088	1	EPA 8260C Certifications:	02/05/2020 06:19	02/05/2020 15:52	LLJ
591-78-6	2-Hexanone	ND		mg/kg dry	0.0044	0.0088	1	EPA 8260C Certifications:	02/05/2020 06:19	02/05/2020 15:52	LLJ
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0044	0.0088	1	EPA 8260C Certifications:	02/05/2020 06:19	02/05/2020 15:52	LLJ
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0044	0.0088	1	EPA 8260C Certifications:	02/05/2020 06:19	02/05/2020 15:52	LLJ
67-64-1	Acetone	0.056		mg/kg dry	0.0088	0.018	1	EPA 8260C Certifications:	02/05/2020 06:19	02/05/2020 15:52	LLJ
107-02-8	Acrolein	ND		mg/kg dry	0.0088	0.018	1	EPA 8260C Certifications:	02/05/2020 06:19	02/05/2020 15:52	LLJ
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0044	0.0088	1	EPA 8260C Certifications:	02/05/2020 06:19	02/05/2020 15:52	LLJ



Sample Information

Client Sample ID: MW-1 (5-14)

York Sample ID: 20A1088-08

York Project (SDG) No.

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20A1088

130 Midland Avenue, Port Chester, New York

Soil

January 29, 2020 12:00 am

01/30/2020

Volatiles, 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
71-43-2	Benzene	ND		mg/kg dry	0.0044	0.0088	1	EPA 8260C Certifications:	02/05/2020 06:19	02/05/2020 15:52	LLJ
108-86-1	Bromobenzene	ND		mg/kg dry	0.0044	0.0088	1	EPA 8260C Certifications:	02/05/2020 06:19	02/05/2020 15:52	LLJ
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0044	0.0088	1	EPA 8260C Certifications:	02/05/2020 06:19	02/05/2020 15:52	LLJ
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0044	0.0088	1	EPA 8260C Certifications:	02/05/2020 06:19	02/05/2020 15:52	LLJ
75-25-2	Bromoform	ND		mg/kg dry	0.0044	0.0088	1	EPA 8260C Certifications:	02/05/2020 06:19	02/05/2020 15:52	LLJ
74-83-9	Bromomethane	ND		mg/kg dry	0.0044	0.0088	1	EPA 8260C Certifications:	02/05/2020 06:19	02/05/2020 15:52	LLJ
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0044	0.0088	1	EPA 8260C Certifications:	02/05/2020 06:19	02/05/2020 15:52	LLJ
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0044	0.0088	1	EPA 8260C Certifications:	02/05/2020 06:19	02/05/2020 15:52	LLJ
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0044	0.0088	1	EPA 8260C Certifications:	02/05/2020 06:19	02/05/2020 15:52	LLJ
75-00-3	Chloroethane	ND		mg/kg dry	0.0044	0.0088	1	EPA 8260C Certifications:	02/05/2020 06:19	02/05/2020 15:52	LLJ
67-66-3	Chloroform	ND		mg/kg dry	0.0044	0.0088	1	EPA 8260C Certifications:	02/05/2020 06:19	02/05/2020 15:52	LLJ
74-87-3	Chloromethane	ND		mg/kg dry	0.0044	0.0088	1	EPA 8260C Certifications:	02/05/2020 06:19	02/05/2020 15:52	LLJ
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0044	0.0088	1	EPA 8260C Certifications:	02/05/2020 06:19	02/05/2020 15:52	LLJ
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0044	0.0088	1	EPA 8260C Certifications:	02/05/2020 06:19	02/05/2020 15:52	LLJ
110-82-7	Cyclohexane	ND		mg/kg dry	0.0044	0.0088	1	EPA 8260C Certifications:	02/05/2020 06:19	02/05/2020 15:52	LLJ
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0044	0.0088	1	EPA 8260C Certifications:	02/05/2020 06:19	02/05/2020 15:52	LLJ
74-95-3	Dibromomethane	ND		mg/kg dry	0.0044	0.0088	1	EPA 8260C Certifications:	02/05/2020 06:19	02/05/2020 15:52	LLJ
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0044	0.0088	1	EPA 8260C Certifications:	02/05/2020 06:19	02/05/2020 15:52	LLJ
108-20-3	* Diisopropyl ether (DIPE)	ND		mg/kg dry	0.0071	0.014	1	EPA 8260C Certifications:	02/05/2020 06:19	02/05/2020 15:52	LLJ
64-17-5	* Ethanol	ND		mg/kg dry	0.071	0.14	1	EPA 8260C Certifications:	02/05/2020 06:19	02/05/2020 15:52	LLJ
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0044	0.0088	1	EPA 8260C Certifications:	02/05/2020 06:19	02/05/2020 15:52	LLJ
637-92-3	* Ethyl tert-butyl ether (ETBE)	ND		mg/kg dry	0.0071	0.014	1	EPA 8260C Certifications:	02/05/2020 06:19	02/05/2020 15:52	LLJ
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0044	0.0088	1	EPA 8260C Certifications:	02/05/2020 06:19	02/05/2020 15:52	LLJ



Sample Information

Client Sample ID: MW-1 (5-14)

York Sample ID: 20A1088-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1088

130 Midland Avenue, Port Chester, New York

Soil

January 29, 2020 12:00 am

01/30/2020

Volatiles, 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
74-88-4	* Iodomethane	ND		mg/kg dry	0.0044	0.0088	1	EPA 8260C Certifications:	02/05/2020 06:19	02/05/2020 15:52	LLJ
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0044	0.0088	1	EPA 8260C Certifications:	02/05/2020 06:19	02/05/2020 15:52	LLJ
79-20-9	Methyl acetate	ND		mg/kg dry	0.0044	0.0088	1	EPA 8260C Certifications:	02/05/2020 06:19	02/05/2020 15:52	LLJ
80-62-6	Methyl Methacrylate	ND		mg/kg dry	0.0044	0.0088	1	EPA 8260C Certifications:	02/05/2020 06:19	02/05/2020 15:52	LLJ
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0044	0.0088	1	EPA 8260C Certifications:	02/05/2020 06:19	02/05/2020 15:52	LLJ
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0044	0.0088	1	EPA 8260C Certifications:	02/05/2020 06:19	02/05/2020 15:52	LLJ
75-09-2	Methylene chloride	ND		mg/kg dry	0.0088	0.018	1	EPA 8260C Certifications:	02/05/2020 06:19	02/05/2020 15:52	LLJ
91-20-3	Naphthalene	0.0079	J	mg/kg dry	0.0044	0.018	1	EPA 8260C Certifications:	02/05/2020 06:19	02/05/2020 15:52	LLJ
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0044	0.0088	1	EPA 8260C Certifications:	02/05/2020 06:19	02/05/2020 15:52	LLJ
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0044	0.0088	1	EPA 8260C Certifications:	02/05/2020 06:19	02/05/2020 15:52	LLJ
95-47-6	o-Xylene	ND		mg/kg dry	0.0044	0.0088	1	EPA 8260C Certifications:	02/05/2020 06:19	02/05/2020 15:52	LLJ
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0088	0.018	1	EPA 8260C Certifications:	02/05/2020 06:19	02/05/2020 15:52	LLJ
105-05-5	* p-Diethylbenzene	ND		mg/kg dry	0.0044	0.0088	1	EPA 8260C Certifications:	02/05/2020 06:19	02/05/2020 15:52	LLJ
622-96-8	* p-Ethyltoluene	ND		mg/kg dry	0.0044	0.0088	1	EPA 8260C Certifications:	02/05/2020 06:19	02/05/2020 15:52	LLJ
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0044	0.0088	1	EPA 8260C Certifications:	02/05/2020 06:19	02/05/2020 15:52	LLJ
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0044	0.0088	1	EPA 8260C Certifications:	02/05/2020 06:19	02/05/2020 15:52	LLJ
100-42-5	Styrene	ND		mg/kg dry	0.0044	0.0088	1	EPA 8260C Certifications:	02/05/2020 06:19	02/05/2020 15:52	LLJ
75-85-4	* tert-Amyl alcohol (TAA)	ND		mg/kg dry	0.071	0.14	1	EPA 8260C Certifications:	02/05/2020 06:19	02/05/2020 15:52	LLJ
994-05-8	* tert-Amyl methyl ether (TAME)	ND		mg/kg dry	0.0071	0.014	1	EPA 8260C Certifications:	02/05/2020 06:19	02/05/2020 15:52	LLJ
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0044	0.0088	1	EPA 8260C Certifications:	02/05/2020 06:19	02/05/2020 15:52	LLJ
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0044	0.0088	1	EPA 8260C Certifications:	02/05/2020 06:19	02/05/2020 15:52	LLJ
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0044	0.0088	1	EPA 8260C Certifications:	02/05/2020 06:19	02/05/2020 15:52	LLJ
109-99-9	* Tetrahydrofuran	ND		mg/kg dry	0.0088	0.018	1	EPA 8260C Certifications:	02/05/2020 06:19	02/05/2020 15:52	LLJ



Sample Information

Client Sample ID: MW-1 (5-14)

York Sample ID: 20A1088-08

York Project (SDG) No.

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20A1088

130 Midland Avenue, Port Chester, New York

Soil

January 29, 2020 12:00 am

01/30/2020

Volatiles, 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
108-88-3	Toluene	ND		mg/kg dry	0.0044	0.0088	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/05/2020 06:19	02/05/2020 15:52	LLJ
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0044	0.0088	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/05/2020 06:19	02/05/2020 15:52	LLJ
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0044	0.0088	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/05/2020 06:19	02/05/2020 15:52	LLJ
110-57-6	* trans-1,4-dichloro-2-butene	ND		mg/kg dry	0.0044	0.0088	1	EPA 8260C Certifications: CTDOH	02/05/2020 06:19	02/05/2020 15:52	LLJ
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0044	0.0088	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/05/2020 06:19	02/05/2020 15:52	LLJ
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0044	0.0088	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/05/2020 06:19	02/05/2020 15:52	LLJ
108-05-4	Vinyl acetate	ND		mg/kg dry	0.0044	0.0088	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/05/2020 06:19	02/05/2020 15:52	LLJ
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0044	0.0088	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/05/2020 06:19	02/05/2020 15:52	LLJ
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.013	0.026	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	02/05/2020 06:19	02/05/2020 15:52	LLJ
107-05-1	* Allyl chloride	ND		mg/kg dry	0.0044	0.0088	1	EPA 8260C Certifications:	02/05/2020 06:19	02/05/2020 15:52	LLJ
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	112 %	77-125								
2037-26-5	Surrogate: SURR: Toluene-d8	106 %	85-120								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	119 %	76-130								

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

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	0.0733	0.146	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 03:17	OW
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.146	0.292	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 03:17	OW
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0733	0.146	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 03:17	OW
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0733	0.146	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/04/2020 13:52	02/06/2020 03:17	OW
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0733	0.146	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 03:17	OW
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0733	0.146	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/04/2020 13:52	02/06/2020 03:17	OW
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0733	0.146	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/04/2020 13:52	02/06/2020 03:17	OW



Sample Information

Client Sample ID: MW-1 (5-14)

York Sample ID: 20A1088-08

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130 Midland Avenue, Port Chester, New York

Soil

January 29, 2020 12:00 am

01/30/2020

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.146	0.292	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 03:17	OW
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0733	0.146	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 03:17	OW
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0733	0.146	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 03:17	OW
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0733	0.146	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 03:17	OW
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0733	0.146	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 03:17	OW
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.146	0.292	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 03:17	OW
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0733	0.146	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 03:17	OW
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0733	0.146	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 03:17	OW
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0733	0.146	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 03:17	OW
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0733	0.146	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 03:17	OW
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0733	0.146	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 03:17	OW
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0733	0.146	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 03:17	OW
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.146	0.292	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 03:17	OW
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0733	0.146	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 03:17	OW
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0733	0.146	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 03:17	OW
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0733	0.146	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 03:17	OW
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.146	0.292	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 03:17	OW
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.146	0.292	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 03:17	OW
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0733	0.146	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 03:17	OW
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0733	0.146	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 03:17	OW
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0733	0.146	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 03:17	OW
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0733	0.146	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 03:17	OW
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.146	0.292	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 03:17	OW



Sample Information

Client Sample ID: MW-1 (5-14)

York Sample ID: 20A1088-08

York Project (SDG) No.

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20A1088

130 Midland Avenue, Port Chester, New York

Soil

January 29, 2020 12:00 am

01/30/2020

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.146	0.292	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 03:17	OW
83-32-9	Acenaphthene	ND		mg/kg dry	0.0733	0.146	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 03:17	OW
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0733	0.146	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 03:17	OW
98-86-2	Acetophenone	ND		mg/kg dry	0.0733	0.146	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 03:17	OW
62-53-3	Aniline	ND		mg/kg dry	0.293	0.586	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 03:17	OW
120-12-7	Anthracene	0.0760	J	mg/kg dry	0.0733	0.146	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 03:17	OW
1912-24-9	Atrazine	ND		mg/kg dry	0.0733	0.146	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 03:17	OW
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0733	0.146	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 03:17	OW
92-87-5	Benzidine	ND		mg/kg dry	0.293	0.586	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	02/04/2020 13:52	02/06/2020 03:17	OW
56-55-3	Benzo(a)anthracene	0.140	J	mg/kg dry	0.0733	0.146	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 03:17	OW
50-32-8	Benzo(a)pyrene	0.132	J	mg/kg dry	0.0733	0.146	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 03:17	OW
205-99-2	Benzo(b)fluoranthene	0.117	J	mg/kg dry	0.0733	0.146	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 03:17	OW
191-24-2	Benzo(g,h,i)perylene	0.101	J	mg/kg dry	0.0733	0.146	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 03:17	OW
207-08-9	Benzo(k)fluoranthene	0.111	J	mg/kg dry	0.0733	0.146	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 03:17	OW
65-85-0	Benzoic acid	ND		mg/kg dry	0.0733	0.146	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 03:17	OW
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0733	0.146	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 03:17	OW
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0733	0.146	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 03:17	OW
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0733	0.146	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 03:17	OW
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0733	0.146	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 03:17	OW
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0733	0.146	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 03:17	OW
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0733	0.146	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 03:17	OW
105-60-2	Caprolactam	ND		mg/kg dry	0.146	0.292	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 03:17	OW
86-74-8	Carbazole	ND		mg/kg dry	0.0733	0.146	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 03:17	OW



Sample Information

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130 Midland Avenue, Port Chester, New York

Soil

January 29, 2020 12:00 am

01/30/2020

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
218-01-9	Chrysene	0.145	J	mg/kg dry	0.0733	0.146	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 03:17	OW
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0733	0.146	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 03:17	OW
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0733	0.146	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 03:17	OW
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0733	0.146	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 03:17	OW
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0733	0.146	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 03:17	OW
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0733	0.146	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 03:17	OW
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0733	0.146	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 03:17	OW
206-44-0	Fluoranthene	0.368		mg/kg dry	0.0733	0.146	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 03:17	OW
86-73-7	Fluorene	ND		mg/kg dry	0.0733	0.146	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 03:17	OW
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0733	0.146	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 03:17	OW
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0733	0.146	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 03:17	OW
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0733	0.146	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 03:17	OW
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0733	0.146	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 03:17	OW
193-39-5	Indeno(1,2,3-cd)pyrene	0.0877	J	mg/kg dry	0.0733	0.146	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 03:17	OW
78-59-1	Isophorone	ND		mg/kg dry	0.0733	0.146	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 03:17	OW
91-20-3	Naphthalene	ND		mg/kg dry	0.0733	0.146	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 03:17	OW
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0733	0.146	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 03:17	OW
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0733	0.146	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 03:17	OW
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0733	0.146	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 03:17	OW
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0733	0.146	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 03:17	OW
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0733	0.146	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 03:17	OW
85-01-8	Phenanthrene	0.339		mg/kg dry	0.0733	0.146	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 03:17	OW
108-95-2	Phenol	ND		mg/kg dry	0.0733	0.146	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 03:17	OW



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Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
129-00-0	Pyrene	0.264	CCV-L	mg/kg dry	0.0733	0.146	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 03:17	OW
110-86-1	Pyridine	ND		mg/kg dry	0.293	0.586	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:52	02/06/2020 03:17	OW
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: SURR: 2-Fluorophenol	57.3 %	20-108								
4165-62-2	Surrogate: SURR: Phenol-d5	62.3 %	23-114								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	66.7 %	22-108								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	38.5 %	21-113								
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	69.5 %	19-110								
1718-51-0	Surrogate: SURR: Terphenyl-d14	28.7 %	24-116								

Semi-Volatiles, 1,4-Dioxane by 8270-SIM

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
123-91-1	1,4-Dioxane	ND		ug/kg	9.90	1	EPA 8270D SIM Certifications: NELAC-NY10854	02/03/2020 08:00	02/07/2020 01:08	KH
Surrogate Recoveries		Result	Acceptance Range							
17647-74-4	Surrogate: 1,4-Dioxane-d8	40.0 %	39-83.1							

Pesticides, 8081 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	0.00289	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 14:33	02/06/2020 07:59	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00289	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 14:33	02/06/2020 07:59	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00289	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 14:33	02/06/2020 07:59	CM
309-00-2	Aldrin	ND		mg/kg dry	0.00289	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 14:33	02/06/2020 07:59	CM
319-84-6	alpha-BHC	ND		mg/kg dry	0.00289	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 14:33	02/06/2020 07:59	CM
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00289	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	02/05/2020 14:33	02/06/2020 07:59	CM
319-85-7	beta-BHC	ND		mg/kg dry	0.00289	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 14:33	02/06/2020 07:59	CM
319-86-8	delta-BHC	ND		mg/kg dry	0.00289	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 14:33	02/06/2020 07:59	CM



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Pesticides, 8081 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
60-57-1	Dieldrin	ND		mg/kg dry	0.00289	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 14:33	02/06/2020 07:59	CM
959-98-8	Endosulfan I	ND		mg/kg dry	0.00289	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 14:33	02/06/2020 07:59	CM
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00289	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	02/05/2020 14:33	02/06/2020 07:59	CM
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00289	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 14:33	02/06/2020 07:59	CM
72-20-8	Endrin	ND		mg/kg dry	0.00289	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 14:33	02/06/2020 07:59	CM
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00289	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 14:33	02/06/2020 07:59	CM
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00289	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 14:33	02/06/2020 07:59	CM
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00289	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 14:33	02/06/2020 07:59	CM
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00289	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	02/05/2020 14:33	02/06/2020 07:59	CM
76-44-8	Heptachlor	ND		mg/kg dry	0.00289	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 14:33	02/06/2020 07:59	CM
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00289	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 14:33	02/06/2020 07:59	CM
72-43-5	Methoxychlor	ND		mg/kg dry	0.00289	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 14:33	02/06/2020 07:59	CM
8001-35-2	Toxaphene	ND		mg/kg dry	0.289	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 14:33	02/06/2020 07:59	CM
57-74-9	* Chlordane, total	ND		mg/kg dry	0.0579	5	EPA 8081B Certifications:	02/05/2020 14:33	02/06/2020 07:59	CM
Surrogate Recoveries		Result		Acceptance Range						
2051-24-3	Surrogate: Decachlorobiphenyl	29.6 %	S-GC	30-150						
877-09-8	Surrogate: Tetrachloro-m-xylene	46.6 %		30-150						

Polychlorinated Biphenyls (PCB), 8082 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
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0292	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/05/2020 14:33	02/06/2020 11:43	SR
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0292	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/05/2020 14:33	02/06/2020 11:43	SR
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0292	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/05/2020 14:33	02/06/2020 11:43	SR
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0292	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/05/2020 14:33	02/06/2020 11:43	SR



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Polychlorinated Biphenyls (PCB), 8082 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
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0292	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/05/2020 14:33	02/06/2020 11:43	SR
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0292	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/05/2020 14:33	02/06/2020 11:43	SR
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0292	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/05/2020 14:33	02/06/2020 11:43	SR
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0292	1	EPA 8082A Certifications:	02/05/2020 14:33	02/06/2020 11:43	SR
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	37.5 %		30-120						
2051-24-3	Surrogate: Decachlorobiphenyl	23.5 %	S-GC	30-120						

Herbicides, 8151 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	0.0349	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:42	02/03/2020 21:38	SR
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0349	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:42	02/03/2020 21:38	SR
94-75-7	2,4-D	ND		mg/kg dry	0.0349	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:42	02/03/2020 21:38	SR
Surrogate Recoveries		Result		Acceptance Range						
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	68.4 %		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	13100	B	mg/kg dry	8.83	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 13:07	JAM
7440-36-0	Antimony	ND		mg/kg dry	4.41	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 13:07	JAM
7440-38-2	Arsenic	6.21		mg/kg dry	2.65	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 13:07	JAM
7440-39-3	Barium	159		mg/kg dry	4.41	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 13:07	JAM
7440-41-7	Beryllium	ND		mg/kg dry	0.088	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 13:07	JAM
7440-43-9	Cadmium	0.661		mg/kg dry	0.530	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 13:07	JAM



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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
7440-70-2	Calcium	21200		mg/kg dry	8.83	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 13:07	JAM
7440-47-3	Chromium	65.7		mg/kg dry	0.883	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 13:07	JAM
7440-48-4	Cobalt	11.0		mg/kg dry	0.706	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 13:07	JAM
7440-50-8	Copper	41.5		mg/kg dry	3.53	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 13:07	JAM
7439-89-6	Iron	22100		mg/kg dry	44.1	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 13:07	JAM
7439-92-1	Lead	64.5		mg/kg dry	0.883	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 13:07	JAM
7439-95-4	Magnesium	12600		mg/kg dry	8.83	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 13:07	JAM
7439-96-5	Manganese	267		mg/kg dry	0.883	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 13:07	JAM
7440-02-0	Nickel	62.5		mg/kg dry	1.77	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 13:07	JAM
7440-09-7	Potassium	2620		mg/kg dry	8.83	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 13:07	JAM
7782-49-2	Selenium	ND		mg/kg dry	4.41	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 13:07	JAM
7440-22-4	Silver	ND		mg/kg dry	0.883	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 13:07	JAM
7440-23-5	Sodium	727		mg/kg dry	88.3	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 13:07	JAM
7440-28-0	Thallium	ND		mg/kg dry	4.41	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 13:07	JAM
7440-62-2	Vanadium	29.9		mg/kg dry	1.77	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 13:07	JAM
7440-66-6	Zinc	167		mg/kg dry	4.41	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2020 10:13	02/03/2020 13:07	JAM

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	0.260		mg/kg dry	0.0530	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	01/30/2020 16:26	01/30/2020 18:47	MAO

Total Solids

Log-in Notes:

Sample Notes:



Sample Information

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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	56.7		%	0.100	1	SM 2540G	01/31/2020 10:16	01/31/2020 18:56	STN
							Certifications: CTDOH			

Sample Information

Client Sample ID: Trip Blank

York Sample ID: 20A1088-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1088

130 Midland Avenue, Port Chester, New York

Water

January 29, 2020 12:00 am

01/30/2020

Volatiles, 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	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:53	02/01/2020 14:18	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	02/01/2020 06:53	02/01/2020 14:18	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	02/01/2020 06:53	02/01/2020 14:18	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	02/01/2020 06:53	02/01/2020 14:18	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	02/01/2020 06:53	02/01/2020 14:18	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	02/01/2020 06:53	02/01/2020 14:18	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	02/01/2020 06:53	02/01/2020 14:18	LLJ
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	02/01/2020 06:53	02/01/2020 14:18	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	02/01/2020 06:53	02/01/2020 14:18	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	02/01/2020 06:53	02/01/2020 14:18	LLJ
95-93-2	* 1,2,4,5-Tetramethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/01/2020 06:53	02/01/2020 14:18	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	02/01/2020 06:53	02/01/2020 14:18	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	02/01/2020 06:53	02/01/2020 14:18	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	02/01/2020 06:53	02/01/2020 14:18	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	02/01/2020 06:53	02/01/2020 14:18	LLJ



Sample Information

Client Sample ID: Trip Blank

York Sample ID: 20A1088-09

York Project (SDG) No.

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Matrix

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20A1088

130 Midland Avenue, Port Chester, New York

Water

January 29, 2020 12:00 am

01/30/2020

Volatiles, 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
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:53	02/01/2020 14:18	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	02/01/2020 06:53	02/01/2020 14:18	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	02/01/2020 06:53	02/01/2020 14:18	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	02/01/2020 06:53	02/01/2020 14:18	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	02/01/2020 06:53	02/01/2020 14:18	LLJ
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:53	02/01/2020 14:18	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	02/01/2020 06:53	02/01/2020 14:18	LLJ
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:53	02/01/2020 14:18	LLJ
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:53	02/01/2020 14:18	LLJ
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:53	02/01/2020 14:18	LLJ
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:53	02/01/2020 14:18	LLJ
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:53	02/01/2020 14:18	LLJ
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:53	02/01/2020 14:18	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	02/01/2020 06:53	02/01/2020 14:18	LLJ
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:53	02/01/2020 14:18	LLJ
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:53	02/01/2020 14:18	LLJ
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:53	02/01/2020 14:18	LLJ
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:53	02/01/2020 14:18	LLJ
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:53	02/01/2020 14:18	LLJ
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:53	02/01/2020 14:18	LLJ
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:53	02/01/2020 14:18	LLJ
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:53	02/01/2020 14:18	LLJ
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:53	02/01/2020 14:18	LLJ



Sample Information

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York Sample ID: 20A1088-09

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Water

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01/30/2020

Volatiles, 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
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/01/2020 06:53 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 14:18	LLJ
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/01/2020 06:53 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 14:18	LLJ
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/01/2020 06:53 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 14:18	LLJ
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/01/2020 06:53 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 14:18	LLJ
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/01/2020 06:53 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 14:18	LLJ
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/01/2020 06:53 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 14:18	LLJ
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/01/2020 06:53 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 14:18	LLJ
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/01/2020 06:53 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 14:18	LLJ
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/01/2020 06:53 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 14:18	LLJ
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/01/2020 06:53 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 14:18	LLJ
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/01/2020 06:53 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 14:18	LLJ
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/01/2020 06:53 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 14:18	LLJ
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/01/2020 06:53 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 14:18	LLJ
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/01/2020 06:53 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 14:18	LLJ
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/01/2020 06:53 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 14:18	LLJ
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/01/2020 06:53 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 14:18	LLJ
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/01/2020 06:53 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 14:18	LLJ
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications:	02/01/2020 06:53 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 14:18	LLJ
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/01/2020 06:53 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 14:18	LLJ
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/01/2020 06:53 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 14:18	LLJ
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/01/2020 06:53 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 14:18	LLJ
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications:	02/01/2020 06:53 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 14:18	LLJ
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/01/2020 06:53 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 14:18	LLJ



Sample Information

Client Sample ID: Trip Blank

York Sample ID: 20A1088-09

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Volatiles, 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
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:53	02/01/2020 14:18	LLJ
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:53	02/01/2020 14:18	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	02/01/2020 06:53	02/01/2020 14:18	LLJ
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:53	02/01/2020 14:18	LLJ
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:53	02/01/2020 14:18	LLJ
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:53	02/01/2020 14:18	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	02/01/2020 06:53	02/01/2020 14:18	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	02/01/2020 06:53	02/01/2020 14:18	LLJ
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:53	02/01/2020 14:18	LLJ
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:53	02/01/2020 14:18	LLJ
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2020 06:53	02/01/2020 14:18	LLJ
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	02/01/2020 06:53	02/01/2020 14:18	LLJ
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	95.9 %	69-130								
2037-26-5	Surrogate: SURR: Toluene-d8	99.7 %	81-117								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	105 %	79-122								



Analytical Batch Summary

Batch ID: BA01440

Preparation Method: EPA 7473 soil

Prepared By: SY

YORK Sample ID	Client Sample ID	Preparation Date
20A1088-01	GB-7 (4-8)	01/30/20
20A1088-02	GB-7 (12-16)	01/30/20
20A1088-03	GB-8 (0-4)	01/30/20
20A1088-04	GB-8 (8-12)	01/30/20
20A1088-05	MW-6 (4-8)	01/30/20
20A1088-06	GB-10 (4-8)	01/30/20
20A1088-07	MW-3 (5-9)	01/30/20
20A1088-08	MW-1 (5-14)	01/30/20
BA01440-BLK1	Blank	01/30/20
BA01440-DUP1	Duplicate	01/30/20
BA01440-MS1	Matrix Spike	01/30/20
BA01440-SRM1	Reference	01/30/20

Batch ID: BA01468

Preparation Method: % Solids Prep

Prepared By: TJM

YORK Sample ID	Client Sample ID	Preparation Date
20A1088-01	GB-7 (4-8)	01/31/20
20A1088-02	GB-7 (12-16)	01/31/20
20A1088-03	GB-8 (0-4)	01/31/20
20A1088-04	GB-8 (8-12)	01/31/20
20A1088-05	MW-6 (4-8)	01/31/20
20A1088-06	GB-10 (4-8)	01/31/20
20A1088-07	MW-3 (5-9)	01/31/20
20A1088-08	MW-1 (5-14)	01/31/20
BA01468-DUP1	Duplicate	01/31/20

Batch ID: BA01469

Preparation Method: EPA 3050B

Prepared By: SY

YORK Sample ID	Client Sample ID	Preparation Date
20A1088-01	GB-7 (4-8)	01/31/20
20A1088-02	GB-7 (12-16)	01/31/20
20A1088-03	GB-8 (0-4)	01/31/20
20A1088-04	GB-8 (8-12)	01/31/20
20A1088-05	MW-6 (4-8)	01/31/20
20A1088-06	GB-10 (4-8)	01/31/20
20A1088-07	MW-3 (5-9)	01/31/20
20A1088-08	MW-1 (5-14)	01/31/20
BA01469-BLK1	Blank	01/31/20
BA01469-DUP1	Duplicate	01/31/20
BA01469-MS1	Matrix Spike	01/31/20
BA01469-PS1	Post Spike	01/31/20
BA01469-SRM1	Reference	01/31/20

**Batch ID:** BA01477**Preparation Method:** EPA 5035A**Prepared By:** TMP

YORK Sample ID	Client Sample ID	Preparation Date
20A1088-01	GB-7 (4-8)	01/31/20
20A1088-02	GB-7 (12-16)	01/31/20
20A1088-03	GB-8 (0-4)	01/31/20
20A1088-04	GB-8 (8-12)	01/31/20
BA01477-BLK1	Blank	02/01/20
BA01477-BS1	LCS	02/01/20
BA01477-BSD1	LCS Dup	02/01/20

Batch ID: BA01479**Preparation Method:** EPA 5035A**Prepared By:** TMP

YORK Sample ID	Client Sample ID	Preparation Date
20A1088-05	MW-6 (4-8)	02/01/20
20A1088-06	GB-10 (4-8)	02/01/20
20A1088-07	MW-3 (5-9)	02/01/20
BA01479-BLK1	Blank	02/04/20
BA01479-BLK2	Blank	02/04/20
BA01479-BS1	LCS	02/04/20
BA01479-BSD1	LCS Dup	02/04/20

Batch ID: BA01486**Preparation Method:** EPA 5030B**Prepared By:** LLJ

YORK Sample ID	Client Sample ID	Preparation Date
20A1088-09	Trip Blank	02/01/20
BA01486-BLK1	Blank	02/01/20
BA01486-BS1	LCS	02/01/20
BA01486-BSD1	LCS Dup	02/01/20

Batch ID: BB00003**Preparation Method:** EPA 3550C**Prepared By:** LM

YORK Sample ID	Client Sample ID	Preparation Date
20A1088-01	GB-7 (4-8)	02/03/20
20A1088-01	GB-7 (4-8)	02/03/20
20A1088-02	GB-7 (12-16)	02/03/20
20A1088-02	GB-7 (12-16)	02/03/20
20A1088-03	GB-8 (0-4)	02/03/20
20A1088-03	GB-8 (0-4)	02/03/20
20A1088-04	GB-8 (8-12)	02/03/20
20A1088-04	GB-8 (8-12)	02/03/20
20A1088-05	MW-6 (4-8)	02/03/20
20A1088-05	MW-6 (4-8)	02/03/20
20A1088-06	GB-10 (4-8)	02/03/20
20A1088-06	GB-10 (4-8)	02/03/20
20A1088-07	MW-3 (5-9)	02/03/20
20A1088-07	MW-3 (5-9)	02/03/20
BB00003-BLK1	Blank	02/03/20
BB00003-BLK2	Blank	02/03/20
BB00003-BS1	LCS	02/03/20



BB00003-BS2

LCS

02/03/20

Batch ID: BB00004**Preparation Method:** EPA 3550C/8151A**Prepared By:** CTD

YORK Sample ID	Client Sample ID	Preparation Date
20A1088-01	GB-7 (4-8)	02/03/20
20A1088-02	GB-7 (12-16)	02/03/20
20A1088-03	GB-8 (0-4)	02/03/20
20A1088-04	GB-8 (8-12)	02/03/20
20A1088-05	MW-6 (4-8)	02/03/20
20A1088-06	GB-10 (4-8)	02/03/20
20A1088-07	MW-3 (5-9)	02/03/20
20A1088-08	MW-1 (5-14)	02/03/20
BB00004-BLK1	Blank	02/03/20
BB00004-BS1	LCS	02/03/20
BB00004-MS1	Matrix Spike	02/03/20
BB00004-MSD1	Matrix Spike Dup	02/03/20

Batch ID: BB00006**Preparation Method:** EPA 3550C**Prepared By:** LM

YORK Sample ID	Client Sample ID	Preparation Date
20A1088-01	GB-7 (4-8)	02/03/20
20A1088-02	GB-7 (12-16)	02/03/20
20A1088-03	GB-8 (0-4)	02/03/20
20A1088-04	GB-8 (8-12)	02/03/20
20A1088-05	MW-6 (4-8)	02/03/20
20A1088-06	GB-10 (4-8)	02/03/20
20A1088-07	MW-3 (5-9)	02/03/20
20A1088-08	MW-1 (5-14)	02/03/20
BB00006-BLK1	Blank	02/03/20
BB00006-BS1	LCS	02/03/20
BB00006-MS1	Matrix Spike	02/03/20
BB00006-MSD1	Matrix Spike Dup	02/03/20

Batch ID: BB00123**Preparation Method:** EPA 3550C**Prepared By:** CLS2

YORK Sample ID	Client Sample ID	Preparation Date
20A1088-01	GB-7 (4-8)	02/04/20
20A1088-02	GB-7 (12-16)	02/04/20
20A1088-03	GB-8 (0-4)	02/04/20
20A1088-04	GB-8 (8-12)	02/04/20
20A1088-05	MW-6 (4-8)	02/04/20
20A1088-06	GB-10 (4-8)	02/04/20
20A1088-07	MW-3 (5-9)	02/04/20
20A1088-08	MW-1 (5-14)	02/04/20
BB00123-BLK1	Blank	02/04/20
BB00123-BS1	LCS	02/04/20
BB00123-MS1	Matrix Spike	02/04/20
BB00123-MSD1	Matrix Spike Dup	02/04/20



Batch ID: BB00129

Preparation Method: EPA 5035A

Prepared By: LLJ

YORK Sample ID	Client Sample ID	Preparation Date
20A1088-08	MW-1 (5-14)	02/05/20
BB00129-BLK1	Blank	02/05/20
BB00129-BS1	LCS	02/05/20
BB00129-BSD1	LCS Dup	02/05/20
BB00129-MS1	Matrix Spike	02/05/20
BB00129-MSD1	Matrix Spike Dup	02/05/20

Batch ID: BB00197

Preparation Method: EPA 3550C

Prepared By: CLS2

YORK Sample ID	Client Sample ID	Preparation Date
20A1088-08	MW-1 (5-14)	02/05/20
20A1088-08	MW-1 (5-14)	02/05/20
BB00197-BLK1	Blank	02/05/20
BB00197-BLK2	Blank	02/05/20
BB00197-BS1	LCS	02/05/20
BB00197-BS2	LCS	02/05/20



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 BA01477 - EPA 5035A

Blank (BA01477-BLK1)

Prepared: 02/01/2020 Analyzed: 02/04/2020

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	"
1,1-Dichloropropylene	ND	0.0050	"
1,2,3-Trichlorobenzene	ND	0.0050	"
1,2,3-Trichloropropane	ND	0.0050	"
1,2,4,5-Tetramethylbenzene	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	"
1,3-Dichloropropane	ND	0.0050	"
1,4-Dichlorobenzene	ND	0.0050	"
1,4-Dioxane	ND	0.10	"
2,2-Dichloropropane	ND	0.0050	"
2-Butanone	ND	0.0050	"
2-Chloroethylvinyl ether	ND	0.020	"
2-Chlorotoluene	ND	0.0050	"
2-Hexanone	ND	0.0050	"
4-Chlorotoluene	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	"
Bromobenzene	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	"



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 BA01477 - EPA 5035A

Blank (BA01477-BLK1)

Prepared: 02/01/2020 Analyzed: 02/04/2020

Dibromomethane	ND	0.0050	mg/kg wet								
Dichlorodifluoromethane	ND	0.0050	"								
Diisopropyl ether (DIPE)	ND	0.0080	"								
Ethanol	ND	0.080	"								
Ethyl Benzene	ND	0.0050	"								
Ethyl tert-butyl ether (ETBE)	ND	0.0080	"								
Hexachlorobutadiene	ND	0.0050	"								
Iodomethane	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl Methacrylate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
Naphthalene	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-Diethylbenzene	ND	0.0050	"								
p-Ethyltoluene	ND	0.0050	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Amyl alcohol (TAA)	ND	0.080	"								
tert-Amyl methyl ether (TAME)	ND	0.0080	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Tetrahydrofuran	ND	0.010	"								
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 acetate	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Allyl chloride	ND	0.0050	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	53.6		ug/L	50.0		107	77-125				
Surrogate: SURR: Toluene-d8	46.6		"	50.0		93.3	85-120				
Surrogate: SURR: p-Bromofluorobenzene	47.7		"	50.0		95.4	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 BA01477 - EPA 5035A

LCS (BA01477-BS1)

Prepared: 02/01/2020 Analyzed: 02/04/2020

1,1,1,2-Tetrachloroethane	58.0		ug/L	50.0		116	75-129				
1,1,1-Trichloroethane	64.8		"	50.0		130	71-137				
1,1,2,2-Tetrachloroethane	48.2		"	50.0		96.4	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	52.8		"	50.0		106	58-146				
1,1,2-Trichloroethane	51.3		"	50.0		103	83-123				
1,1-Dichloroethane	51.6		"	50.0		103	75-130				
1,1-Dichloroethylene	55.2		"	50.0		110	64-137				
1,1-Dichloropropylene	56.3		"	50.0		113	77-127				
1,2,3-Trichlorobenzene	57.3		"	50.0		115	81-140				
1,2,3-Trichloropropane	55.9		"	50.0		112	81-126				
1,2,4,5-Tetramethylbenzene	53.5		"	50.0		107	63-156				
1,2,4-Trichlorobenzene	57.2		"	50.0		114	80-141				
1,2,4-Trimethylbenzene	53.6		"	50.0		107	84-125				
1,2-Dibromo-3-chloropropane	54.0		"	50.0		108	74-142				
1,2-Dibromoethane	55.4		"	50.0		111	86-123				
1,2-Dichlorobenzene	53.1		"	50.0		106	85-122				
1,2-Dichloroethane	56.2		"	50.0		112	71-133				
1,2-Dichloropropane	44.0		"	50.0		88.0	81-122				
1,3,5-Trimethylbenzene	53.4		"	50.0		107	82-126				
1,3-Dichlorobenzene	54.3		"	50.0		109	84-124				
1,3-Dichloropropane	50.3		"	50.0		101	83-123				
1,4-Dichlorobenzene	53.4		"	50.0		107	84-124				
1,4-Dioxane	992		"	1050		94.5	10-228				
2,2-Dichloropropane	50.9		"	50.0		102	67-136				
2-Butanone	52.1		"	50.0		104	58-147				
2-Chloroethylvinyl ether	55.3		"	50.0		111	10-166				
2-Chlorotoluene	51.4		"	50.0		103	78-127				
2-Hexanone	43.1		"	50.0		86.3	70-139				
4-Chlorotoluene	49.8		"	50.0		99.7	79-125				
4-Methyl-2-pentanone	34.5		"	50.0		68.9	72-132	Low Bias			
Acetone	39.0		"	50.0		77.9	36-155				
Acrolein	97.6		"	500		19.5	10-238				
Acrylonitrile	49.3		"	50.0		98.6	66-141				
Benzene	54.1		"	50.0		108	77-127				
Bromobenzene	48.9		"	50.0		97.8	77-129				
Bromochloromethane	46.6		"	50.0		93.3	74-129				
Bromodichloromethane	53.9		"	50.0		108	81-124				
Bromoform	56.8		"	50.0		114	80-136				
Bromomethane	54.5		"	50.0		109	32-177				
Carbon disulfide	56.1		"	50.0		112	10-136				
Carbon tetrachloride	61.6		"	50.0		123	66-143				
Chlorobenzene	52.2		"	50.0		104	86-120				
Chloroethane	52.7		"	50.0		105	51-142				
Chloroform	59.6		"	50.0		119	76-131				
Chloromethane	47.9		"	50.0		95.8	49-132				
cis-1,2-Dichloroethylene	52.9		"	50.0		106	74-132				
cis-1,3-Dichloropropylene	51.4		"	50.0		103	81-129				
Cyclohexane	47.3		"	50.0		94.6	70-130				
Dibromochloromethane	55.2		"	50.0		110	10-200				
Dibromomethane	50.7		"	50.0		101	83-124				



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 BA01477 - EPA 5035A

LCS (BA01477-BS1)

Prepared: 02/01/2020 Analyzed: 02/04/2020

Dichlorodifluoromethane	68.7		ug/L	50.0		137	28-158				
Diisopropyl ether (DIPE)	47.4		"	50.0		94.9	70-130				
Ethanol	ND	0.080	mg/kg wet				70-130				
Ethyl Benzene	51.8		ug/L	50.0		104	84-125				
Ethyl tert-butyl ether (ETBE)	56.1		"	50.0		112	70-130				
Hexachlorobutadiene	62.3		"	50.0		125	83-133				
Iodomethane	65.8		"	50.0		132	70-130	High Bias			
Isopropylbenzene	51.8		"	50.0		104	81-127				
Methyl acetate	43.0		"	50.0		85.9	41-143				
Methyl Methacrylate	45.6		"	50.0		91.1	79-125				
Methyl tert-butyl ether (MTBE)	56.5		"	50.0		113	74-131				
Methylcyclohexane	47.4		"	50.0		94.8	70-130				
Methylene chloride	49.3		"	50.0		98.5	57-141				
Naphthalene	50.8		"	50.0		102	86-141				
n-Butylbenzene	48.4		"	50.0		96.8	80-130				
n-Propylbenzene	49.1		"	50.0		98.2	74-136				
o-Xylene	50.9		"	50.0		102	83-123				
p- & m- Xylenes	105		"	100		105	82-128				
p-Diethylbenzene	57.8		"	50.0		116	70-144				
p-Ethyltoluene	53.7		"	50.0		107	84-123				
p-Isopropyltoluene	54.9		"	50.0		110	85-125				
sec-Butylbenzene	53.8		"	50.0		108	83-125				
Styrene	53.0		"	50.0		106	86-126				
tert-Amyl alcohol (TAA)	541		"	500		108	70-130				
tert-Amyl methyl ether (TAME)	57.7		"	50.0		115	70-130				
tert-Butyl alcohol (TBA)	264		"	250		106	70-130				
tert-Butylbenzene	47.2		"	50.0		94.4	80-127				
Tetrachloroethylene	56.3		"	50.0		113	80-129				
Tetrahydrofuran	43.8		"	50.0		87.5	64-137				
Toluene	49.4		"	50.0		98.8	85-121				
trans-1,2-Dichloroethylene	54.4		"	50.0		109	72-132				
trans-1,3-Dichloropropylene	50.2		"	50.0		100	78-132				
trans-1,4-dichloro-2-butene	50.0		"	50.0		100	75-135				
Trichloroethylene	52.8		"	50.0		106	84-123				
Trichlorofluoromethane	52.8		"	50.0		106	62-140				
Vinyl acetate	49.6		"	50.0		99.2	67-136				
Vinyl Chloride	53.6		"	50.0		107	52-130				
Allyl chloride	55.1		"	50.0		110	70-130				
Surrogate: SURR: 1,2-Dichloroethane-d4	52.2		"	50.0		104	77-125				
Surrogate: SURR: Toluene-d8	47.3		"	50.0		94.6	85-120				
Surrogate: SURR: p-Bromofluorobenzene	48.6		"	50.0		97.2	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 BA01477 - EPA 5035A											
LCS Dup (BA01477-BSD1)						Prepared: 02/01/2020 Analyzed: 02/04/2020					
1,1,1,2-Tetrachloroethane	57.7		ug/L	50.0		115	75-129		0.553	30	
1,1,1-Trichloroethane	65.0		"	50.0		130	71-137		0.246	30	
1,1,2,2-Tetrachloroethane	48.5		"	50.0		97.0	79-129		0.641	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	51.4		"	50.0		103	58-146		2.65	30	
1,1,2-Trichloroethane	51.1		"	50.0		102	83-123		0.313	30	
1,1-Dichloroethane	50.7		"	50.0		101	75-130		1.80	30	
1,1-Dichloroethylene	54.5		"	50.0		109	64-137		1.13	30	
1,1-Dichloropropylene	56.9		"	50.0		114	77-127		0.954	30	
1,2,3-Trichlorobenzene	57.8		"	50.0		116	81-140		0.903	30	
1,2,3-Trichloropropane	57.0		"	50.0		114	81-126		1.91	30	
1,2,4,5-Tetramethylbenzene	53.1		"	50.0		106	63-156		0.826	30	
1,2,4-Trichlorobenzene	56.7		"	50.0		113	80-141		0.807	30	
1,2,4-Trimethylbenzene	53.0		"	50.0		106	84-125		1.18	30	
1,2-Dibromo-3-chloropropane	53.4		"	50.0		107	74-142		0.969	30	
1,2-Dibromoethane	54.5		"	50.0		109	86-123		1.80	30	
1,2-Dichlorobenzene	53.2		"	50.0		106	85-122		0.339	30	
1,2-Dichloroethane	56.3		"	50.0		113	71-133		0.0888	30	
1,2-Dichloropropane	43.7		"	50.0		87.5	81-122		0.616	30	
1,3,5-Trimethylbenzene	52.7		"	50.0		105	82-126		1.17	30	
1,3-Dichlorobenzene	54.0		"	50.0		108	84-124		0.665	30	
1,3-Dichloropropane	48.8		"	50.0		97.6	83-123		3.03	30	
1,4-Dichlorobenzene	54.0		"	50.0		108	84-124		1.06	30	
1,4-Dioxane	1060		"	1050		101	10-228		6.78	30	
2,2-Dichloropropane	51.1		"	50.0		102	67-136		0.353	30	
2-Butanone	52.6		"	50.0		105	58-147		1.09	30	
2-Chloroethylvinyl ether	55.3		"	50.0		111	10-166		0.0724	30	
2-Chlorotoluene	50.0		"	50.0		100	78-127		2.64	30	
2-Hexanone	43.6		"	50.0		87.3	70-139		1.13	30	
4-Chlorotoluene	49.4		"	50.0		98.8	79-125		0.887	30	
4-Methyl-2-pentanone	35.2		"	50.0		70.3	72-132	Low Bias	1.95	30	
Acetone	39.3		"	50.0		78.6	36-155		0.920	30	
Acrolein	101		"	500		20.2	10-238		3.39	30	
Acrylonitrile	50.4		"	50.0		101	66-141		2.25	30	
Benzene	52.4		"	50.0		105	77-127		3.17	30	
Bromobenzene	48.4		"	50.0		96.7	77-129		1.17	30	
Bromochloromethane	45.8		"	50.0		91.7	74-129		1.69	30	
Bromodichloromethane	52.9		"	50.0		106	81-124		1.78	30	
Bromoform	58.2		"	50.0		116	80-136		2.59	30	
Bromomethane	55.1		"	50.0		110	32-177		1.17	30	
Carbon disulfide	55.8		"	50.0		112	10-136		0.482	30	
Carbon tetrachloride	60.6		"	50.0		121	66-143		1.78	30	
Chlorobenzene	51.8		"	50.0		104	86-120		0.750	30	
Chloroethane	51.9		"	50.0		104	51-142		1.57	30	
Chloroform	59.6		"	50.0		119	76-131		0.0671	30	
Chloromethane	46.9		"	50.0		93.8	49-132		2.17	30	
cis-1,2-Dichloroethylene	52.8		"	50.0		106	74-132		0.322	30	
cis-1,3-Dichloropropylene	50.6		"	50.0		101	81-129		1.61	30	
Cyclohexane	47.1		"	50.0		94.2	70-130		0.402	30	
Dibromochloromethane	54.8		"	50.0		110	10-200		0.618	30	
Dibromomethane	50.2		"	50.0		100	83-124		1.07	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 BA01477 - EPA 5035A

LCS Dup (BA01477-BSD1)

Prepared: 02/01/2020 Analyzed: 02/04/2020

Dichlorodifluoromethane	67.9		ug/L	50.0		136	28-158		1.11	30	
Diisopropyl ether (DIPE)	46.9		"	50.0		93.8	70-130		1.12	30	
Ethanol	ND	0.080	mg/kg wet				70-130			30	
Ethyl Benzene	50.4		ug/L	50.0		101	84-125		2.62	30	
Ethyl tert-butyl ether (ETBE)	54.8		"	50.0		110	70-130		2.20	30	
Hexachlorobutadiene	62.6		"	50.0		125	83-133		0.481	30	
Iodomethane	62.8		"	50.0		126	70-130		4.62	30	
Isopropylbenzene	51.3		"	50.0		103	81-127		0.893	30	
Methyl acetate	42.2		"	50.0		84.4	41-143		1.81	30	
Methyl Methacrylate	45.2		"	50.0		90.4	79-125		0.793	30	
Methyl tert-butyl ether (MTBE)	55.8		"	50.0		112	74-131		1.19	30	
Methylcyclohexane	46.1		"	50.0		92.3	70-130		2.72	30	
Methylene chloride	46.9		"	50.0		93.9	57-141		4.82	30	
Naphthalene	51.5		"	50.0		103	86-141		1.25	30	
n-Butylbenzene	48.4		"	50.0		96.8	80-130		0.0826	30	
n-Propylbenzene	48.8		"	50.0		97.7	74-136		0.470	30	
o-Xylene	50.3		"	50.0		101	83-123		1.19	30	
p- & m- Xylenes	103		"	100		103	82-128		1.75	30	
p-Diethylbenzene	57.5		"	50.0		115	70-144		0.434	30	
p-Ethyltoluene	53.0		"	50.0		106	84-123		1.31	30	
p-Isopropyltoluene	54.1		"	50.0		108	85-125		1.49	30	
sec-Butylbenzene	53.5		"	50.0		107	83-125		0.559	30	
Styrene	52.6		"	50.0		105	86-126		0.719	30	
tert-Amyl alcohol (TAA)	543		"	500		109	70-130		0.343	30	
tert-Amyl methyl ether (TAME)	57.4		"	50.0		115	70-130		0.487	30	
tert-Butyl alcohol (TBA)	271		"	250		108	70-130		2.46	30	
tert-Butylbenzene	46.8		"	50.0		93.5	80-127		0.937	30	
Tetrachloroethylene	54.1		"	50.0		108	80-129		3.86	30	
Tetrahydrofuran	44.8		"	50.0		89.6	64-137		2.35	30	
Toluene	49.2		"	50.0		98.3	85-121		0.487	30	
trans-1,2-Dichloroethylene	54.8		"	50.0		110	72-132		0.769	30	
trans-1,3-Dichloropropylene	49.1		"	50.0		98.2	78-132		2.14	30	
trans-1,4-dichloro-2-butene	49.6		"	50.0		99.1	75-135		0.944	30	
Trichloroethylene	50.9		"	50.0		102	84-123		3.63	30	
Trichlorofluoromethane	51.4		"	50.0		103	62-140		2.65	30	
Vinyl acetate	49.1		"	50.0		98.2	67-136		1.05	30	
Vinyl Chloride	52.5		"	50.0		105	52-130		1.90	30	
Allyl chloride	53.0		"	50.0		106	70-130		3.83	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	53.8		"	50.0		108	77-125				
Surrogate: SURR: Toluene-d8	47.1		"	50.0		94.2	85-120				
Surrogate: SURR: p-Bromofluorobenzene	49.6		"	50.0		99.1	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 BA01479 - EPA 5035A

Blank (BA01479-BLK1)

Prepared & Analyzed: 02/04/2020

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	"
1,1-Dichloropropylene	ND	0.0050	"
1,2,3-Trichlorobenzene	ND	0.0050	"
1,2,3-Trichloropropane	ND	0.0050	"
1,2,4,5-Tetramethylbenzene	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	"
1,3-Dichloropropane	ND	0.0050	"
1,4-Dichlorobenzene	ND	0.0050	"
1,4-Dioxane	ND	0.10	"
2,2-Dichloropropane	ND	0.0050	"
2-Butanone	ND	0.0050	"
2-Chloroethylvinyl ether	ND	0.020	"
2-Chlorotoluene	ND	0.0050	"
2-Hexanone	ND	0.0050	"
4-Chlorotoluene	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	"
Bromobenzene	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	"



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 BA01479 - EPA 5035A

Blank (BA01479-BLK1)

Prepared & Analyzed: 02/04/2020

Dichlorodifluoromethane	ND	0.0050	mg/kg wet								
Diisopropyl ether (DIPE)	ND	0.0080	"								
Ethanol	ND	0.080	"								
Ethyl Benzene	ND	0.0050	"								
Ethyl tert-butyl ether (ETBE)	ND	0.0080	"								
Hexachlorobutadiene	ND	0.0050	"								
Iodomethane	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl Methacrylate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
Naphthalene	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-Diethylbenzene	ND	0.0050	"								
p-Ethyltoluene	ND	0.0050	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Amyl alcohol (TAA)	ND	0.080	"								
tert-Amyl methyl ether (TAME)	ND	0.0080	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Tetrahydrofuran	ND	0.010	"								
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 acetate	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Allyl chloride	ND	0.0050	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	54.1		ug/L	50.0		108	77-125				
Surrogate: SURR: Toluene-d8	47.6		"	50.0		95.2	85-120				
Surrogate: SURR: p-Bromofluorobenzene	48.6		"	50.0		97.1	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 BA01479 - EPA 5035A											
Blank (BA01479-BLK2)										Prepared & Analyzed: 02/04/2020	
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	"								
1,1-Dichloropropylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4,5-Tetramethylbenzene	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	"								
1,3-Dichloropropane	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2,2-Dichloropropane	ND	0.0050	"								
2-Butanone	ND	0.0050	"								
2-Chloroethylvinyl ether	ND	0.020	"								
2-Chlorotoluene	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Chlorotoluene	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	"								
Bromobenzene	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	"								



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 BA01479 - EPA 5035A

Blank (BA01479-BLK2)

Prepared & Analyzed: 02/04/2020

Dichlorodifluoromethane	ND	0.0050	mg/kg wet								
Diisopropyl ether (DIPE)	ND	0.0080	"								
Ethanol	ND	0.080	"								
Ethyl Benzene	ND	0.0050	"								
Ethyl tert-butyl ether (ETBE)	ND	0.0080	"								
Hexachlorobutadiene	ND	0.0050	"								
Iodomethane	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl Methacrylate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
Naphthalene	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-Diethylbenzene	ND	0.0050	"								
p-Ethyltoluene	ND	0.0050	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Amyl alcohol (TAA)	ND	0.080	"								
tert-Amyl methyl ether (TAME)	ND	0.0080	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Tetrahydrofuran	ND	0.010	"								
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 acetate	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Allyl chloride	ND	0.0050	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	54.2		ug/L	50.0		108	77-125				
Surrogate: SURR: Toluene-d8	48.4		"	50.0		96.8	85-120				
Surrogate: SURR: p-Bromofluorobenzene	49.4		"	50.0		98.7	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 BA01479 - EPA 5035A											
LCS (BA01479-BS1)						Prepared & Analyzed: 02/04/2020					
1,1,1,2-Tetrachloroethane	55.4		ug/L	50.0		111	75-129				
1,1,1-Trichloroethane	64.4		"	50.0		129	71-137				
1,1,2,2-Tetrachloroethane	46.3		"	50.0		92.5	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	52.8		"	50.0		106	58-146				
1,1,2-Trichloroethane	48.6		"	50.0		97.2	83-123				
1,1-Dichloroethane	48.4		"	50.0		96.8	75-130				
1,1-Dichloroethylene	53.0		"	50.0		106	64-137				
1,1-Dichloropropylene	54.4		"	50.0		109	77-127				
1,2,3-Trichlorobenzene	55.9		"	50.0		112	81-140				
1,2,3-Trichloropropane	54.5		"	50.0		109	81-126				
1,2,4,5-Tetramethylbenzene	52.4		"	50.0		105	63-156				
1,2,4-Trichlorobenzene	55.8		"	50.0		112	80-141				
1,2,4-Trimethylbenzene	52.3		"	50.0		105	84-125				
1,2-Dibromo-3-chloropropane	50.3		"	50.0		101	74-142				
1,2-Dibromoethane	52.8		"	50.0		106	86-123				
1,2-Dichlorobenzene	50.7		"	50.0		101	85-122				
1,2-Dichloroethane	53.9		"	50.0		108	71-133				
1,2-Dichloropropane	41.3		"	50.0		82.7	81-122				
1,3,5-Trimethylbenzene	52.9		"	50.0		106	82-126				
1,3-Dichlorobenzene	51.7		"	50.0		103	84-124				
1,3-Dichloropropane	47.4		"	50.0		94.7	83-123				
1,4-Dichlorobenzene	51.7		"	50.0		103	84-124				
1,4-Dioxane	1110		"	1050		106	10-228				
2,2-Dichloropropane	48.5		"	50.0		97.0	67-136				
2-Butanone	51.5		"	50.0		103	58-147				
2-Chloroethylvinyl ether	53.2		"	50.0		106	10-166				
2-Chlorotoluene	49.6		"	50.0		99.1	78-127				
2-Hexanone	42.0		"	50.0		84.0	70-139				
4-Chlorotoluene	49.5		"	50.0		99.0	79-125				
4-Methyl-2-pentanone	34.4		"	50.0		68.9	72-132	Low Bias			
Acetone	38.2		"	50.0		76.4	36-155				
Acrolein	94.8		"	500		19.0	10-238				
Acrylonitrile	49.0		"	50.0		98.1	66-141				
Benzene	50.5		"	50.0		101	77-127				
Bromobenzene	47.4		"	50.0		94.8	77-129				
Bromochloromethane	44.2		"	50.0		88.4	74-129				
Bromodichloromethane	51.8		"	50.0		104	81-124				
Bromoform	53.7		"	50.0		107	80-136				
Bromomethane	50.6		"	50.0		101	32-177				
Carbon disulfide	53.1		"	50.0		106	10-136				
Carbon tetrachloride	59.8		"	50.0		120	66-143				
Chlorobenzene	49.8		"	50.0		99.6	86-120				
Chloroethane	52.4		"	50.0		105	51-142				
Chloroform	57.3		"	50.0		115	76-131				
Chloromethane	46.6		"	50.0		93.1	49-132				
cis-1,2-Dichloroethylene	51.2		"	50.0		102	74-132				
cis-1,3-Dichloropropylene	48.2		"	50.0		96.3	81-129				
Cyclohexane	46.4		"	50.0		92.8	70-130				
Dibromochloromethane	52.8		"	50.0		106	10-200				
Dibromomethane	48.9		"	50.0		97.8	83-124				



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 BA01479 - EPA 5035A

LCS (BA01479-BS1)

Prepared & Analyzed: 02/04/2020

Dichlorodifluoromethane	64.7		ug/L	50.0		129	28-158				
Diisopropyl ether (DIPE)	44.3		"	50.0		88.6	70-130				
Ethanol	ND	0.080	mg/kg wet				70-130				
Ethyl Benzene	50.8		ug/L	50.0		102	84-125				
Ethyl tert-butyl ether (ETBE)	50.7		"	50.0		101	70-130				
Hexachlorobutadiene	62.1		"	50.0		124	83-133				
Iodomethane	59.8		"	50.0		120	70-130				
Isopropylbenzene	51.1		"	50.0		102	81-127				
Methyl acetate	41.1		"	50.0		82.2	41-143				
Methyl Methacrylate	43.0		"	50.0		85.9	79-125				
Methyl tert-butyl ether (MTBE)	50.7		"	50.0		101	74-131				
Methylcyclohexane	47.2		"	50.0		94.4	70-130				
Methylene chloride	45.8		"	50.0		91.6	57-141				
Naphthalene	49.1		"	50.0		98.2	86-141				
n-Butylbenzene	54.4		"	50.0		109	80-130				
n-Propylbenzene	49.0		"	50.0		98.0	74-136				
o-Xylene	49.7		"	50.0		99.4	83-123				
p- & m- Xylenes	104		"	100		104	82-128				
p-Diethylbenzene	58.6		"	50.0		117	70-144				
p-Ethyltoluene	52.8		"	50.0		106	84-123				
p-Isopropyltoluene	54.2		"	50.0		108	85-125				
sec-Butylbenzene	53.4		"	50.0		107	83-125				
Styrene	50.7		"	50.0		101	86-126				
tert-Amyl alcohol (TAA)	505		"	500		101	70-130				
tert-Amyl methyl ether (TAME)	51.6		"	50.0		103	70-130				
tert-Butyl alcohol (TBA)	243		"	250		97.2	70-130				
tert-Butylbenzene	47.0		"	50.0		94.0	80-127				
Tetrachloroethylene	54.6		"	50.0		109	80-129				
Tetrahydrofuran	43.1		"	50.0		86.3	64-137				
Toluene	48.8		"	50.0		97.6	85-121				
trans-1,2-Dichloroethylene	53.5		"	50.0		107	72-132				
trans-1,3-Dichloropropylene	47.0		"	50.0		94.1	78-132				
trans-1,4-dichloro-2-butene	48.5		"	50.0		97.0	75-135				
Trichloroethylene	52.4		"	50.0		105	84-123				
Trichlorofluoromethane	52.8		"	50.0		106	62-140				
Vinyl acetate	46.2		"	50.0		92.3	67-136				
Vinyl Chloride	52.8		"	50.0		106	52-130				
Allyl chloride	49.7		"	50.0		99.5	70-130				
Surrogate: SURR: 1,2-Dichloroethane-d4	54.9		"	50.0		110	77-125				
Surrogate: SURR: Toluene-d8	48.8		"	50.0		97.7	85-120				
Surrogate: SURR: p-Bromofluorobenzene	49.8		"	50.0		99.7	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 BA01479 - EPA 5035A											
LCS Dup (BA01479-BSD1)						Prepared & Analyzed: 02/04/2020					
1,1,1,2-Tetrachloroethane	53.5		ug/L	50.0		107	75-129		3.49	30	
1,1,1-Trichloroethane	59.1		"	50.0		118	71-137		8.48	30	
1,1,2,2-Tetrachloroethane	44.2		"	50.0		88.3	79-129		4.67	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	49.8		"	50.0		99.6	58-146		5.94	30	
1,1,2-Trichloroethane	46.7		"	50.0		93.5	83-123		3.94	30	
1,1-Dichloroethane	44.7		"	50.0		89.4	75-130		7.93	30	
1,1-Dichloroethylene	50.8		"	50.0		102	64-137		4.27	30	
1,1-Dichloropropylene	51.2		"	50.0		102	77-127		5.91	30	
1,2,3-Trichlorobenzene	53.5		"	50.0		107	81-140		4.42	30	
1,2,3-Trichloropropane	53.6		"	50.0		107	81-126		1.72	30	
1,2,4,5-Tetramethylbenzene	50.9		"	50.0		102	63-156		2.75	30	
1,2,4-Trichlorobenzene	53.6		"	50.0		107	80-141		4.06	30	
1,2,4-Trimethylbenzene	50.4		"	50.0		101	84-125		3.86	30	
1,2-Dibromo-3-chloropropane	51.9		"	50.0		104	74-142		3.13	30	
1,2-Dibromoethane	50.3		"	50.0		101	86-123		4.81	30	
1,2-Dichlorobenzene	49.8		"	50.0		99.6	85-122		1.81	30	
1,2-Dichloroethane	51.5		"	50.0		103	71-133		4.61	30	
1,2-Dichloropropane	39.1		"	50.0		78.1	81-122	Low Bias	5.62	30	
1,3,5-Trimethylbenzene	50.4		"	50.0		101	82-126		4.78	30	
1,3-Dichlorobenzene	50.0		"	50.0		100	84-124		3.40	30	
1,3-Dichloropropane	45.3		"	50.0		90.5	83-123		4.51	30	
1,4-Dichlorobenzene	49.8		"	50.0		99.6	84-124		3.74	30	
1,4-Dioxane	983		"	1050		93.6	10-228		12.3	30	
2,2-Dichloropropane	46.3		"	50.0		92.6	67-136		4.73	30	
2-Butanone	46.4		"	50.0		92.8	58-147		10.3	30	
2-Chloroethylvinyl ether	50.8		"	50.0		102	10-166		4.54	30	
2-Chlorotoluene	47.6		"	50.0		95.1	78-127		4.12	30	
2-Hexanone	40.2		"	50.0		80.5	70-139		4.30	30	
4-Chlorotoluene	47.6		"	50.0		95.2	79-125		3.91	30	
4-Methyl-2-pentanone	33.4		"	50.0		66.8	72-132	Low Bias	3.01	30	
Acetone	35.6		"	50.0		71.2	36-155		6.99	30	
Acrolein	90.2		"	500		18.0	10-238		4.89	30	
Acrylonitrile	44.6		"	50.0		89.3	66-141		9.37	30	
Benzene	47.2		"	50.0		94.4	77-127		6.68	30	
Bromobenzene	45.6		"	50.0		91.1	77-129		3.89	30	
Bromochloromethane	40.2		"	50.0		80.5	74-129		9.45	30	
Bromodichloromethane	49.1		"	50.0		98.2	81-124		5.27	30	
Bromoform	52.7		"	50.0		105	80-136		2.01	30	
Bromomethane	47.5		"	50.0		94.9	32-177		6.38	30	
Carbon disulfide	49.3		"	50.0		98.6	10-136		7.48	30	
Carbon tetrachloride	56.7		"	50.0		113	66-143		5.30	30	
Chlorobenzene	48.2		"	50.0		96.3	86-120		3.37	30	
Chloroethane	49.5		"	50.0		99.0	51-142		5.77	30	
Chloroform	52.8		"	50.0		106	76-131		8.05	30	
Chloromethane	44.2		"	50.0		88.5	49-132		5.11	30	
cis-1,2-Dichloroethylene	47.8		"	50.0		95.5	74-132		6.99	30	
cis-1,3-Dichloropropylene	46.8		"	50.0		93.7	81-129		2.76	30	
Cyclohexane	43.0		"	50.0		86.1	70-130		7.49	30	
Dibromochloromethane	51.2		"	50.0		102	10-200		3.11	30	
Dibromomethane	46.2		"	50.0		92.3	83-124		5.83	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 BA01479 - EPA 5035A

LCS Dup (BA01479-BSD1)

Prepared & Analyzed: 02/04/2020

Dichlorodifluoromethane	61.2		ug/L	50.0		122	28-158		5.56	30	
Diisopropyl ether (DIPE)	41.1		"	50.0		82.2	70-130		7.47	30	
Ethanol	ND	0.080	mg/kg wet				70-130			30	
Ethyl Benzene	48.0		ug/L	50.0		96.1	84-125		5.55	30	
Ethyl tert-butyl ether (ETBE)	47.5		"	50.0		95.0	70-130		6.52	30	
Hexachlorobutadiene	59.6		"	50.0		119	83-133		3.99	30	
Iodomethane	56.8		"	50.0		114	70-130		5.04	30	
Isopropylbenzene	48.7		"	50.0		97.3	81-127		4.83	30	
Methyl acetate	39.1		"	50.0		78.2	41-143		4.99	30	
Methyl Methacrylate	42.2		"	50.0		84.4	79-125		1.79	30	
Methyl tert-butyl ether (MTBE)	49.0		"	50.0		97.9	74-131		3.57	30	
Methylcyclohexane	44.5		"	50.0		88.9	70-130		5.98	30	
Methylene chloride	43.5		"	50.0		87.0	57-141		5.17	30	
Naphthalene	47.7		"	50.0		95.3	86-141		3.00	30	
n-Butylbenzene	51.4		"	50.0		103	80-130		5.59	30	
n-Propylbenzene	46.8		"	50.0		93.5	74-136		4.68	30	
o-Xylene	47.2		"	50.0		94.4	83-123		5.14	30	
p- & m- Xylenes	98.0		"	100		98.0	82-128		6.06	30	
p-Diethylbenzene	55.7		"	50.0		111	70-144		5.09	30	
p-Ethyltoluene	50.6		"	50.0		101	84-123		4.23	30	
p-Isopropyltoluene	51.4		"	50.0		103	85-125		5.32	30	
sec-Butylbenzene	50.5		"	50.0		101	83-125		5.56	30	
Styrene	48.2		"	50.0		96.4	86-126		4.95	30	
tert-Amyl alcohol (TAA)	487		"	500		97.4	70-130		3.57	30	
tert-Amyl methyl ether (TAME)	48.6		"	50.0		97.2	70-130		6.08	30	
tert-Butyl alcohol (TBA)	234		"	250		93.8	70-130		3.56	30	
tert-Butylbenzene	44.7		"	50.0		89.3	80-127		5.04	30	
Tetrachloroethylene	51.5		"	50.0		103	80-129		5.83	30	
Tetrahydrofuran	39.1		"	50.0		78.2	64-137		9.83	30	
Toluene	46.2		"	50.0		92.4	85-121		5.43	30	
trans-1,2-Dichloroethylene	49.6		"	50.0		99.3	72-132		7.54	30	
trans-1,3-Dichloropropylene	45.2		"	50.0		90.5	78-132		3.92	30	
trans-1,4-dichloro-2-butene	47.2		"	50.0		94.4	75-135		2.74	30	
Trichloroethylene	48.9		"	50.0		97.7	84-123		7.05	30	
Trichlorofluoromethane	49.8		"	50.0		99.6	62-140		5.94	30	
Vinyl acetate	43.4		"	50.0		86.8	67-136		6.14	30	
Vinyl Chloride	48.8		"	50.0		97.6	52-130		7.91	30	
Allyl chloride	48.3		"	50.0		96.6	70-130		2.92	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	53.5		"	50.0		107	77-125				
Surrogate: SURR: Toluene-d8	48.1		"	50.0		96.2	85-120				
Surrogate: SURR: p-Bromofluorobenzene	50.2		"	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 BA01486 - EPA 5030B											
Blank (BA01486-BLK1)										Prepared & Analyzed: 02/01/2020	
1,1,1,2-Tetrachloroethane	ND	0.500	ug/L								
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	"								
1,1-Dichloropropylene	ND	0.500	"								
1,2,3-Trichlorobenzene	ND	0.500	"								
1,2,3-Trichloropropane	ND	0.500	"								
1,2,4,5-Tetramethylbenzene	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	"								
1,3-Dichloropropane	ND	0.500	"								
1,4-Dichlorobenzene	ND	0.500	"								
1,4-Dioxane	ND	80.0	"								
2,2-Dichloropropane	ND	0.500	"								
2-Butanone	ND	0.500	"								
2-Chlorotoluene	ND	0.500	"								
2-Hexanone	ND	0.500	"								
4-Chlorotoluene	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	"								
Bromobenzene	ND	0.500	"								
Bromochloromethane	ND	0.500	"								
Bromodichloromethane	ND	0.500	"								
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	"								



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 BA01486 - EPA 5030B

Blank (BA01486-BLK1)

Prepared & Analyzed: 02/01/2020

Ethyl Benzene	ND	0.500	ug/L
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

9.40

"

10.0

94.0

69-130

Surrogate: SURR: Toluene-d8

9.92

"

10.0

99.2

81-117

Surrogate: SURR: p-Bromofluorobenzene

10.6

"

10.0

106

79-122

LCS (BA01486-BS1)

Prepared & Analyzed: 02/01/2020

1,1,1,2-Tetrachloroethane	11.2	ug/L	10.0	112	82-126
1,1,1-Trichloroethane	11.1	"	10.0	111	78-136
1,1,2,2-Tetrachloroethane	11.2	"	10.0	112	76-129
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.6	"	10.0	116	54-165
1,1,2-Trichloroethane	10.6	"	10.0	106	82-123
1,1-Dichloroethane	10.9	"	10.0	109	82-129
1,1-Dichloroethylene	11.8	"	10.0	118	68-138
1,1-Dichloropropylene	10.8	"	10.0	108	83-133
1,2,3-Trichlorobenzene	7.07	"	10.0	70.7	76-136
1,2,3-Trichloropropane	11.0	"	10.0	110	77-128
1,2,4,5-Tetramethylbenzene	10.4	"	10.0	104	85-140
1,2,4-Trichlorobenzene	8.40	"	10.0	84.0	76-137
1,2,4-Trimethylbenzene	11.5	"	10.0	115	82-132
1,2-Dibromo-3-chloropropane	8.05	"	10.0	80.5	45-147
1,2-Dibromoethane	10.7	"	10.0	107	83-124
1,2-Dichlorobenzene	10.9	"	10.0	109	79-123
1,2-Dichloroethane	10.4	"	10.0	104	73-132
1,2-Dichloropropane	10.7	"	10.0	107	78-126
1,3,5-Trimethylbenzene	11.4	"	10.0	114	80-131
1,3-Dichlorobenzene	11.0	"	10.0	110	86-122
1,3-Dichloropropane	10.8	"	10.0	108	81-125
1,4-Dichlorobenzene	10.8	"	10.0	108	85-124

Low Bias



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 BA01486 - EPA 5030B											
LCS (BA01486-BS1)						Prepared & Analyzed: 02/01/2020					
1,4-Dioxane	465		ug/L	210		221	10-349				
2,2-Dichloropropane	11.4		"	10.0		114	56-150				
2-Butanone	10.8		"	10.0		108	49-152				
2-Chlorotoluene	11.3		"	10.0		113	79-130				
2-Hexanone	11.1		"	10.0		111	51-146				
4-Chlorotoluene	11.2		"	10.0		112	79-128				
4-Methyl-2-pentanone	10.7		"	10.0		107	57-145				
Acetone	9.24		"	10.0		92.4	14-150				
Acrolein	20.5		"	100		20.5	10-153				
Acrylonitrile	12.2		"	10.0		122	51-150				
Benzene	11.2		"	10.0		112	85-126				
Bromobenzene	10.4		"	10.0		104	78-129				
Bromochloromethane	11.5		"	10.0		115	77-128				
Bromodichloromethane	10.6		"	10.0		106	79-128				
Bromoform	10.8		"	10.0		108	78-133				
Bromomethane	1.75		"	10.0		17.5	43-168	Low Bias			
Carbon disulfide	11.4		"	10.0		114	68-146				
Carbon tetrachloride	11.3		"	10.0		113	77-141				
Chlorobenzene	10.9		"	10.0		109	88-120				
Chloroethane	11.1		"	10.0		111	65-136				
Chloroform	10.8		"	10.0		108	82-128				
Chloromethane	8.27		"	10.0		82.7	43-155				
cis-1,2-Dichloroethylene	11.0		"	10.0		110	83-129				
cis-1,3-Dichloropropylene	10.9		"	10.0		109	80-131				
Cyclohexane	4.90		"	10.0		49.0	63-149	Low Bias			
Dibromochloromethane	10.8		"	10.0		108	80-130				
Dibromomethane	10.5		"	10.0		105	72-134				
Dichlorodifluoromethane	11.9		"	10.0		119	44-144				
Ethyl Benzene	11.1		"	10.0		111	80-131				
Isopropylbenzene	11.0		"	10.0		110	76-140				
Methyl acetate	10.2		"	10.0		102	51-139				
Methyl tert-butyl ether (MTBE)	10.9		"	10.0		109	76-135				
Methylcyclohexane	9.95		"	10.0		99.5	72-143				
Methylene chloride	11.5		"	10.0		115	55-137				
n-Butylbenzene	10.5		"	10.0		105	79-132				
n-Propylbenzene	11.0		"	10.0		110	78-133				
o-Xylene	11.0		"	10.0		110	78-130				
p- & m- Xylenes	22.3		"	20.0		111	77-133				
p-Isopropyltoluene	10.9		"	10.0		109	81-136				
sec-Butylbenzene	11.1		"	10.0		111	79-137				
Styrene	11.3		"	10.0		113	67-132				
tert-Butyl alcohol (TBA)	69.6		"	50.0		139	25-162				
tert-Butylbenzene	9.29		"	10.0		92.9	77-138				
Tetrachloroethylene	9.61		"	10.0		96.1	82-131				
Toluene	11.0		"	10.0		110	80-127				
trans-1,2-Dichloroethylene	11.7		"	10.0		117	80-132				
trans-1,3-Dichloropropylene	10.8		"	10.0		108	78-131				
Trichloroethylene	10.5		"	10.0		105	82-128				
Trichlorofluoromethane	11.1		"	10.0		111	67-139				
Vinyl Chloride	10.8		"	10.0		108	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	9.67		"	10.0		96.7	69-130				



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 BA01486 - EPA 5030B											
LCS (BA01486-BS1)						Prepared & Analyzed: 02/01/2020					
Surrogate: SURR: Toluene-d8	9.85		ug/L	10.0		98.5	81-117				
Surrogate: SURR: p-Bromofluorobenzene	10.4		"	10.0		104	79-122				
LCS Dup (BA01486-BSD1)						Prepared & Analyzed: 02/01/2020					
1,1,1,2-Tetrachloroethane	11.0		ug/L	10.0		110	82-126		2.35	30	
1,1,1-Trichloroethane	10.9		"	10.0		109	78-136		2.27	30	
1,1,2,2-Tetrachloroethane	10.5		"	10.0		105	76-129		6.19	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.3		"	10.0		113	54-165		2.10	30	
1,1,2-Trichloroethane	9.99		"	10.0		99.9	82-123		5.74	30	
1,1-Dichloroethane	10.6		"	10.0		106	82-129		3.06	30	
1,1-Dichloroethylene	11.5		"	10.0		115	68-138		1.97	30	
1,1-Dichloropropylene	10.6		"	10.0		106	83-133		2.24	30	
1,2,3-Trichlorobenzene	6.74		"	10.0		67.4	76-136	Low Bias	4.78	30	
1,2,3-Trichloropropane	10.2		"	10.0		102	77-128		7.28	30	
1,2,4,5-Tetramethylbenzene	10.0		"	10.0		100	85-140		3.52	30	
1,2,4-Trichlorobenzene	8.03		"	10.0		80.3	76-137		4.50	30	
1,2,4-Trimethylbenzene	11.1		"	10.0		111	82-132		3.80	30	
1,2-Dibromo-3-chloropropane	7.88		"	10.0		78.8	45-147		2.13	30	
1,2-Dibromoethane	10.2		"	10.0		102	83-124		4.30	30	
1,2-Dichlorobenzene	10.3		"	10.0		103	79-123		5.10	30	
1,2-Dichloroethane	9.88		"	10.0		98.8	73-132		5.22	30	
1,2-Dichloropropane	10.4		"	10.0		104	78-126		3.61	30	
1,3,5-Trimethylbenzene	11.2		"	10.0		112	80-131		1.32	30	
1,3-Dichlorobenzene	10.7		"	10.0		107	86-122		2.87	30	
1,3-Dichloropropane	10.3		"	10.0		103	81-125		4.45	30	
1,4-Dichlorobenzene	10.5		"	10.0		105	85-124		3.56	30	
1,4-Dioxane	420		"	210		200	10-349		10.0	30	
2,2-Dichloropropane	11.1		"	10.0		111	56-150		3.29	30	
2-Butanone	10.2		"	10.0		102	49-152		5.62	30	
2-Chlorotoluene	10.9		"	10.0		109	79-130		3.33	30	
2-Hexanone	10.4		"	10.0		104	51-146		6.15	30	
4-Chlorotoluene	10.9		"	10.0		109	79-128		3.16	30	
4-Methyl-2-pentanone	10.1		"	10.0		101	57-145		5.88	30	
Acetone	8.61		"	10.0		86.1	14-150		7.06	30	
Acrolein	19.5		"	100		19.5	10-153		5.00	30	
Acrylonitrile	11.3		"	10.0		113	51-150		7.64	30	
Benzene	10.8		"	10.0		108	85-126		2.73	30	
Bromobenzene	10.1		"	10.0		101	78-129		3.21	30	
Bromochloromethane	10.8		"	10.0		108	77-128		6.18	30	
Bromodichloromethane	10.2		"	10.0		102	79-128		3.75	30	
Bromoform	10.3		"	10.0		103	78-133		5.31	30	
Bromomethane	2.03		"	10.0		20.3	43-168	Low Bias	14.8	30	
Carbon disulfide	11.2		"	10.0		112	68-146		1.50	30	
Carbon tetrachloride	11.1		"	10.0		111	77-141		1.88	30	
Chlorobenzene	10.6		"	10.0		106	88-120		2.50	30	
Chloroethane	10.8		"	10.0		108	65-136		2.92	30	
Chloroform	10.2		"	10.0		102	82-128		5.14	30	
Chloromethane	8.08		"	10.0		80.8	43-155		2.32	30	
cis-1,2-Dichloroethylene	10.6		"	10.0		106	83-129		3.69	30	
cis-1,3-Dichloropropylene	10.4		"	10.0		104	80-131		4.49	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 BA01486 - EPA 5030B

LCS Dup (BA01486-BSD1)

Prepared & Analyzed: 02/01/2020

Cyclohexane	4.81		ug/L	10.0		48.1	63-149	Low Bias	1.85	30	
Dibromochloromethane	10.4		"	10.0		104	80-130		3.39	30	
Dibromomethane	10.0		"	10.0		100	72-134		4.38	30	
Dichlorodifluoromethane	11.4		"	10.0		114	44-144		3.78	30	
Ethyl Benzene	11.0		"	10.0		110	80-131		1.26	30	
Isopropylbenzene	10.8		"	10.0		108	76-140		1.92	30	
Methyl acetate	9.68		"	10.0		96.8	51-139		5.23	30	
Methyl tert-butyl ether (MTBE)	10.3		"	10.0		103	76-135		5.77	30	
Methylcyclohexane	9.96		"	10.0		99.6	72-143		0.100	30	
Methylene chloride	11.0		"	10.0		110	55-137		3.82	30	
n-Butylbenzene	10.3		"	10.0		103	79-132		1.35	30	
n-Propylbenzene	10.8		"	10.0		108	78-133		1.65	30	
o-Xylene	10.7		"	10.0		107	78-130		2.21	30	
p- & m- Xylenes	22.0		"	20.0		110	77-133		1.27	30	
p-Isopropyltoluene	10.7		"	10.0		107	81-136		2.03	30	
sec-Butylbenzene	10.9		"	10.0		109	79-137		1.46	30	
Styrene	11.0		"	10.0		110	67-132		2.78	30	
tert-Butyl alcohol (TBA)	65.5		"	50.0		131	25-162		6.07	30	
tert-Butylbenzene	9.17		"	10.0		91.7	77-138		1.30	30	
Tetrachloroethylene	9.54		"	10.0		95.4	82-131		0.731	30	
Toluene	10.8		"	10.0		108	80-127		2.01	30	
trans-1,2-Dichloroethylene	11.4		"	10.0		114	80-132		2.34	30	
trans-1,3-Dichloropropylene	10.2		"	10.0		102	78-131		5.45	30	
Trichloroethylene	10.4		"	10.0		104	82-128		1.05	30	
Trichlorofluoromethane	10.8		"	10.0		108	67-139		1.92	30	
Vinyl Chloride	10.7		"	10.0		107	58-145		0.931	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	9.56		"	10.0		95.6	69-130				
Surrogate: SURR: Toluene-d8	9.94		"	10.0		99.4	81-117				
Surrogate: SURR: p-Bromofluorobenzene	10.4		"	10.0		104	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 BB00129 - EPA 5035A											
Blank (BB00129-BLK1)										Prepared & Analyzed: 02/05/2020	
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	"								
1,1-Dichloropropylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4,5-Tetramethylbenzene	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	"								
1,3-Dichloropropane	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2,2-Dichloropropane	ND	0.0050	"								
2-Butanone	ND	0.0050	"								
2-Chloroethylvinyl ether	ND	0.020	"								
2-Chlorotoluene	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Chlorotoluene	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	"								
Bromobenzene	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	"								



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 BB00129 - EPA 5035A

Blank (BB00129-BLK1)

Prepared & Analyzed: 02/05/2020

Dichlorodifluoromethane	ND	0.0050	mg/kg wet								
Diisopropyl ether (DIPE)	ND	0.0080	"								
Ethanol	ND	0.080	"								
Ethyl Benzene	ND	0.0050	"								
Ethyl tert-butyl ether (ETBE)	ND	0.0080	"								
Hexachlorobutadiene	ND	0.0050	"								
Iodomethane	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl Methacrylate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
Naphthalene	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-Diethylbenzene	ND	0.0050	"								
p-Ethyltoluene	ND	0.0050	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Amyl alcohol (TAA)	ND	0.080	"								
tert-Amyl methyl ether (TAME)	ND	0.0080	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Tetrahydrofuran	ND	0.010	"								
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 acetate	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Allyl chloride	ND	0.0050	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	56.5		ug/L	50.0		113	77-125				
Surrogate: SURR: Toluene-d8	48.5		"	50.0		97.0	85-120				
Surrogate: SURR: p-Bromofluorobenzene	49.2		"	50.0		98.3	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 BB00129 - EPA 5035A											
LCS (BB00129-BS1)						Prepared & Analyzed: 02/05/2020					
1,1,1,2-Tetrachloroethane	58.6		ug/L	50.0		117	75-129				
1,1,1-Trichloroethane	60.4		"	50.0		121	71-137				
1,1,2,2-Tetrachloroethane	44.8		"	50.0		89.6	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	51.8		"	50.0		104	58-146				
1,1,2-Trichloroethane	48.5		"	50.0		97.1	83-123				
1,1-Dichloroethane	46.4		"	50.0		92.7	75-130				
1,1-Dichloroethylene	50.4		"	50.0		101	64-137				
1,1-Dichloropropylene	51.8		"	50.0		104	77-127				
1,2,3-Trichlorobenzene	55.7		"	50.0		111	81-140				
1,2,3-Trichloropropane	53.1		"	50.0		106	81-126				
1,2,4,5-Tetramethylbenzene	51.7		"	50.0		103	63-156				
1,2,4-Trichlorobenzene	56.4		"	50.0		113	80-141				
1,2,4-Trimethylbenzene	51.3		"	50.0		103	84-125				
1,2-Dibromo-3-chloropropane	54.4		"	50.0		109	74-142				
1,2-Dibromoethane	53.4		"	50.0		107	86-123				
1,2-Dichlorobenzene	51.6		"	50.0		103	85-122				
1,2-Dichloroethane	55.5		"	50.0		111	71-133				
1,2-Dichloropropane	41.8		"	50.0		83.5	81-122				
1,3,5-Trimethylbenzene	51.1		"	50.0		102	82-126				
1,3-Dichlorobenzene	51.6		"	50.0		103	84-124				
1,3-Dichloropropane	48.4		"	50.0		96.9	83-123				
1,4-Dichlorobenzene	51.6		"	50.0		103	84-124				
1,4-Dioxane	1050		"	1050		100	10-228				
2,2-Dichloropropane	47.5		"	50.0		95.0	67-136				
2-Butanone	49.9		"	50.0		99.7	58-147				
2-Chloroethylvinyl ether	52.1		"	50.0		104	10-166				
2-Chlorotoluene	47.9		"	50.0		95.8	78-127				
2-Hexanone	41.9		"	50.0		83.8	70-139				
4-Chlorotoluene	48.2		"	50.0		96.3	79-125				
4-Methyl-2-pentanone	34.5		"	50.0		69.1	72-132	Low Bias			
Acetone	34.6		"	50.0		69.2	36-155				
Acrolein	88.0		"	500		17.6	10-238				
Acrylonitrile	43.7		"	50.0		87.4	66-141				
Benzene	47.4		"	50.0		94.8	77-127				
Bromobenzene	47.4		"	50.0		94.8	77-129				
Bromochloromethane	41.9		"	50.0		83.9	74-129				
Bromodichloromethane	54.4		"	50.0		109	81-124				
Bromoform	56.2		"	50.0		112	80-136				
Bromomethane	52.3		"	50.0		105	32-177				
Carbon disulfide	49.5		"	50.0		99.0	10-136				
Carbon tetrachloride	59.9		"	50.0		120	66-143				
Chlorobenzene	50.2		"	50.0		100	86-120				
Chloroethane	53.1		"	50.0		106	51-142				
Chloroform	55.1		"	50.0		110	76-131				
Chloromethane	43.3		"	50.0		86.5	49-132				
cis-1,2-Dichloroethylene	48.7		"	50.0		97.4	74-132				
cis-1,3-Dichloropropylene	51.0		"	50.0		102	81-129				
Cyclohexane	41.7		"	50.0		83.4	70-130				
Dibromochloromethane	56.2		"	50.0		112	10-200				
Dibromomethane	50.4		"	50.0		101	83-124				



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 BB00129 - EPA 5035A

LCS (BB00129-BS1)

Prepared & Analyzed: 02/05/2020

Dichlorodifluoromethane	56.4		ug/L	50.0		113	28-158				
Diisopropyl ether (DIPE)	43.8		"	50.0		87.7	70-130				
Ethanol	ND	0.080	mg/kg wet				70-130				
Ethyl Benzene	50.4		ug/L	50.0		101	84-125				
Ethyl tert-butyl ether (ETBE)	50.4		"	50.0		101	70-130				
Hexachlorobutadiene	60.5		"	50.0		121	83-133				
Iodomethane	54.3		"	50.0		109	70-130				
Isopropylbenzene	49.0		"	50.0		98.0	81-127				
Methyl acetate	36.8		"	50.0		73.7	41-143				
Methyl Methacrylate	43.1		"	50.0		86.3	79-125				
Methyl tert-butyl ether (MTBE)	51.6		"	50.0		103	74-131				
Methylcyclohexane	46.0		"	50.0		91.9	70-130				
Methylene chloride	44.8		"	50.0		89.6	57-141				
Naphthalene	48.4		"	50.0		96.7	86-141				
n-Butylbenzene	52.7		"	50.0		105	80-130				
n-Propylbenzene	46.8		"	50.0		93.6	74-136				
o-Xylene	50.4		"	50.0		101	83-123				
p- & m- Xylenes	104		"	100		104	82-128				
p-Diethylbenzene	56.5		"	50.0		113	70-144				
p-Ethyltoluene	50.0		"	50.0		100	84-123				
p-Isopropyltoluene	51.1		"	50.0		102	85-125				
sec-Butylbenzene	51.2		"	50.0		102	83-125				
Styrene	51.1		"	50.0		102	86-126				
tert-Amyl alcohol (TAA)	456		"	500		91.2	70-130				
tert-Amyl methyl ether (TAME)	50.6		"	50.0		101	70-130				
tert-Butyl alcohol (TBA)	230		"	250		91.9	70-130				
tert-Butylbenzene	45.0		"	50.0		90.1	80-127				
Tetrachloroethylene	54.0		"	50.0		108	80-129				
Tetrahydrofuran	39.3		"	50.0		78.5	64-137				
Toluene	48.4		"	50.0		96.9	85-121				
trans-1,2-Dichloroethylene	51.9		"	50.0		104	72-132				
trans-1,3-Dichloropropylene	49.1		"	50.0		98.2	78-132				
trans-1,4-dichloro-2-butene	48.0		"	50.0		96.0	75-135				
Trichloroethylene	52.3		"	50.0		105	84-123				
Trichlorofluoromethane	51.8		"	50.0		104	62-140				
Vinyl acetate	45.9		"	50.0		91.7	67-136				
Vinyl Chloride	47.8		"	50.0		95.5	52-130				
Allyl chloride	49.8		"	50.0		99.6	70-130				
Surrogate: SURR: 1,2-Dichloroethane-d4	54.8		"	50.0		110	77-125				
Surrogate: SURR: Toluene-d8	49.7		"	50.0		99.4	85-120				
Surrogate: SURR: p-Bromofluorobenzene	48.9		"	50.0		97.8	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 BB00129 - EPA 5035A											
LCS Dup (BB00129-BSD1)						Prepared & Analyzed: 02/05/2020					
1,1,1,2-Tetrachloroethane	59.6		ug/L	50.0		119	75-129		1.84	30	
1,1,1-Trichloroethane	64.5		"	50.0		129	71-137		6.60	30	
1,1,2,2-Tetrachloroethane	48.5		"	50.0		97.0	79-129		7.93	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	53.2		"	50.0		106	58-146		2.82	30	
1,1,2-Trichloroethane	50.7		"	50.0		101	83-123		4.27	30	
1,1-Dichloroethane	47.3		"	50.0		94.6	75-130		1.96	30	
1,1-Dichloroethylene	52.3		"	50.0		105	64-137		3.62	30	
1,1-Dichloropropylene	52.9		"	50.0		106	77-127		2.27	30	
1,2,3-Trichlorobenzene	57.4		"	50.0		115	81-140		2.92	30	
1,2,3-Trichloropropane	58.1		"	50.0		116	81-126		8.96	30	
1,2,4,5-Tetramethylbenzene	53.0		"	50.0		106	63-156		2.37	30	
1,2,4-Trichlorobenzene	58.0		"	50.0		116	80-141		2.81	30	
1,2,4-Trimethylbenzene	53.1		"	50.0		106	84-125		3.39	30	
1,2-Dibromo-3-chloropropane	59.0		"	50.0		118	74-142		8.01	30	
1,2-Dibromoethane	55.1		"	50.0		110	86-123		3.14	30	
1,2-Dichlorobenzene	52.2		"	50.0		104	85-122		1.10	30	
1,2-Dichloroethane	56.2		"	50.0		112	71-133		1.13	30	
1,2-Dichloropropane	42.1		"	50.0		84.2	81-122		0.835	30	
1,3,5-Trimethylbenzene	52.4		"	50.0		105	82-126		2.47	30	
1,3-Dichlorobenzene	53.3		"	50.0		107	84-124		3.28	30	
1,3-Dichloropropane	49.6		"	50.0		99.2	83-123		2.41	30	
1,4-Dichlorobenzene	52.5		"	50.0		105	84-124		1.81	30	
1,4-Dioxane	1030		"	1050		98.3	10-228		1.70	30	
2,2-Dichloropropane	48.5		"	50.0		96.9	67-136		1.98	30	
2-Butanone	49.5		"	50.0		98.9	58-147		0.805	30	
2-Chloroethylvinyl ether	54.1		"	50.0		108	10-166		3.77	30	
2-Chlorotoluene	50.0		"	50.0		99.9	78-127		4.25	30	
2-Hexanone	45.6		"	50.0		91.3	70-139		8.52	30	
4-Chlorotoluene	49.9		"	50.0		99.8	79-125		3.55	30	
4-Methyl-2-pentanone	35.7		"	50.0		71.5	72-132	Low Bias	3.41	30	
Acetone	38.4		"	50.0		76.8	36-155		10.5	30	
Acrolein	96.9		"	500		19.4	10-238		9.61	30	
Acrylonitrile	48.8		"	50.0		97.6	66-141		11.0	30	
Benzene	48.2		"	50.0		96.4	77-127		1.65	30	
Bromobenzene	48.7		"	50.0		97.4	77-129		2.64	30	
Bromochloromethane	44.0		"	50.0		88.0	74-129		4.80	30	
Bromodichloromethane	54.7		"	50.0		109	81-124		0.624	30	
Bromoform	60.4		"	50.0		121	80-136		7.19	30	
Bromomethane	49.2		"	50.0		98.3	32-177		6.23	30	
Carbon disulfide	50.8		"	50.0		102	10-136		2.63	30	
Carbon tetrachloride	61.5		"	50.0		123	66-143		2.67	30	
Chlorobenzene	50.5		"	50.0		101	86-120		0.615	30	
Chloroethane	52.8		"	50.0		106	51-142		0.528	30	
Chloroform	57.1		"	50.0		114	76-131		3.55	30	
Chloromethane	44.6		"	50.0		89.2	49-132		3.00	30	
cis-1,2-Dichloroethylene	50.9		"	50.0		102	74-132		4.30	30	
cis-1,3-Dichloropropylene	51.4		"	50.0		103	81-129		0.801	30	
Cyclohexane	43.7		"	50.0		87.4	70-130		4.71	30	
Dibromochloromethane	58.1		"	50.0		116	10-200		3.32	30	
Dibromomethane	51.4		"	50.0		103	83-124		1.97	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 BB00129 - EPA 5035A

LCS Dup (BB00129-BSD1)

Prepared & Analyzed: 02/05/2020

Dichlorodifluoromethane	58.8		ug/L	50.0		118	28-158		4.12	30
Diisopropyl ether (DIPE)	45.2		"	50.0		90.3	70-130		2.97	30
Ethanol	ND	0.080	mg/kg wet				70-130			30
Ethyl Benzene	50.6		ug/L	50.0		101	84-125		0.258	30
Ethyl tert-butyl ether (ETBE)	52.1		"	50.0		104	70-130		3.32	30
Hexachlorobutadiene	61.6		"	50.0		123	83-133		1.69	30
Iodomethane	55.6		"	50.0		111	70-130		2.38	30
Isopropylbenzene	50.7		"	50.0		101	81-127		3.31	30
Methyl acetate	40.9		"	50.0		81.8	41-143		10.4	30
Methyl Methacrylate	45.4		"	50.0		90.8	79-125		5.13	30
Methyl tert-butyl ether (MTBE)	54.4		"	50.0		109	74-131		5.21	30
Methylcyclohexane	45.6		"	50.0		91.3	70-130		0.677	30
Methylene chloride	45.9		"	50.0		91.8	57-141		2.49	30
Naphthalene	52.4		"	50.0		105	86-141		8.06	30
n-Butylbenzene	54.2		"	50.0		108	80-130		2.77	30
n-Propylbenzene	48.4		"	50.0		96.9	74-136		3.44	30
o-Xylene	51.1		"	50.0		102	83-123		1.36	30
p- & m- Xylenes	105		"	100		105	82-128		0.891	30
p-Diethylbenzene	58.0		"	50.0		116	70-144		2.59	30
p-Ethyltoluene	51.9		"	50.0		104	84-123		3.63	30
p-Isopropyltoluene	53.3		"	50.0		107	85-125		4.22	30
sec-Butylbenzene	52.4		"	50.0		105	83-125		2.40	30
Styrene	52.0		"	50.0		104	86-126		1.77	30
tert-Amyl alcohol (TAA)	511		"	500		102	70-130		11.4	30
tert-Amyl methyl ether (TAME)	53.7		"	50.0		107	70-130		6.04	30
tert-Butyl alcohol (TBA)	253		"	250		101	70-130		9.70	30
tert-Butylbenzene	46.2		"	50.0		92.3	80-127		2.48	30
Tetrachloroethylene	54.1		"	50.0		108	80-129		0.111	30
Tetrahydrofuran	42.5		"	50.0		85.0	64-137		7.90	30
Toluene	48.5		"	50.0		97.0	85-121		0.0825	30
trans-1,2-Dichloroethylene	52.1		"	50.0		104	72-132		0.404	30
trans-1,3-Dichloropropylene	50.4		"	50.0		101	78-132		2.73	30
trans-1,4-dichloro-2-butene	51.2		"	50.0		102	75-135		6.47	30
Trichloroethylene	52.2		"	50.0		104	84-123		0.153	30
Trichlorofluoromethane	53.2		"	50.0		106	62-140		2.82	30
Vinyl acetate	48.7		"	50.0		97.4	67-136		5.96	30
Vinyl Chloride	50.8		"	50.0		102	52-130		6.13	30
Allyl chloride	48.5		"	50.0		97.1	70-130		2.60	30
Surrogate: SURR: 1,2-Dichloroethane-d4	55.4		"	50.0		111	77-125			
Surrogate: SURR: Toluene-d8	48.4		"	50.0		96.8	85-120			
Surrogate: SURR: p-Bromofluorobenzene	49.6		"	50.0		99.2	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 BB00129 - EPA 5035A											
Matrix Spike (BB00129-MS1)	*Source sample: 20A1088-08 (MW-1 (5-14))						Prepared & Analyzed: 02/05/2020				
1,1,1,2-Tetrachloroethane	23.1		ug/L	50.0	0.00	46.2	15-161				
1,1,1-Trichloroethane	43.0		"	50.0	0.00	86.0	42-145				
1,1,2,2-Tetrachloroethane	22.6		"	50.0	0.00	45.2	16-167				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	43.5		"	50.0	0.00	87.0	11-160				
1,1,2-Trichloroethane	29.9		"	50.0	0.00	59.8	44-145				
1,1-Dichloroethane	36.2		"	50.0	0.00	72.5	46-142				
1,1-Dichloroethylene	39.3		"	50.0	0.00	78.7	30-153				
1,1-Dichloropropylene	29.6		"	50.0	0.00	59.2	40-133				
1,2,3-Trichlorobenzene	3.53		"	50.0	0.00	7.06	10-157	Low Bias			
1,2,3-Trichloropropane	32.8		"	50.0	0.00	65.6	38-155				
1,2,4,5-Tetramethylbenzene	7.09		"	50.0	0.00	14.2	10-138				
1,2,4-Trichlorobenzene	4.12		"	50.0	0.00	8.24	10-151	Low Bias			
1,2,4-Trimethylbenzene	13.2		"	50.0	0.00	26.5	10-170				
1,2-Dibromo-3-chloropropane	13.2		"	50.0	0.00	26.4	36-138	Low Bias			
1,2-Dibromoethane	26.4		"	50.0	0.00	52.7	40-142				
1,2-Dichlorobenzene	8.96		"	50.0	0.00	17.9	10-147				
1,2-Dichloroethane	36.1		"	50.0	0.00	72.2	48-133				
1,2-Dichloropropane	30.2		"	50.0	0.00	60.5	47-141				
1,3,5-Trimethylbenzene	14.5		"	50.0	0.00	29.0	10-150				
1,3-Dichlorobenzene	9.40		"	50.0	0.00	18.8	10-144				
1,3-Dichloropropane	28.4		"	50.0	0.00	56.9	43-142				
1,4-Dichlorobenzene	9.37		"	50.0	0.00	18.7	10-160				
1,4-Dioxane	1020		"	1050	0.00	97.1	10-191				
2,2-Dichloropropane	34.2		"	50.0	0.00	68.5	38-130				
2-Butanone	85.8		"	50.0	8.81	154	10-189				
2-Chloroethylvinyl ether	4.06		"	50.0	0.00	8.12	10-161	Low Bias			
2-Chlorotoluene	13.8		"	50.0	0.00	27.5	14-144				
2-Hexanone	27.5		"	50.0	0.00	55.0	10-181				
4-Chlorotoluene	12.0		"	50.0	0.00	23.9	15-138				
4-Methyl-2-pentanone	26.4		"	50.0	0.00	52.9	10-166				
Acetone	205		"	50.0	31.9	346	10-196	High Bias			
Acrolein	0.00		"	500	0.00		10-192	Low Bias			
Acrylonitrile	31.8		"	50.0	0.00	63.7	13-161				
Benzene	31.4		"	50.0	0.00	62.7	43-139				
Bromobenzene	13.8		"	50.0	0.00	27.5	23-142				
Bromochloromethane	29.9		"	50.0	0.00	59.8	38-145				
Bromodichloromethane	32.2		"	50.0	0.00	64.4	38-147				
Bromoform	17.8		"	50.0	0.00	35.6	29-156				
Bromomethane	32.2		"	50.0	0.00	64.4	10-166				
Carbon disulfide	27.1		"	50.0	0.00	54.2	10-131				
Carbon tetrachloride	35.4		"	50.0	0.00	70.8	35-145				
Chlorobenzene	16.3		"	50.0	0.00	32.6	21-154				
Chloroethane	48.6		"	50.0	0.00	97.2	15-160				
Chloroform	37.6		"	50.0	0.00	75.2	47-142				
Chloromethane	39.4		"	50.0	0.00	78.8	10-159				
cis-1,2-Dichloroethylene	32.6		"	50.0	0.00	65.1	42-144				
cis-1,3-Dichloropropylene	18.5		"	50.0	0.00	37.0	18-159				
Cyclohexane	24.8		"	50.0	0.00	49.6	70-130	Low Bias			
Dibromochloromethane	24.2		"	50.0	0.00	48.5	10-179				
Dibromomethane	31.6		"	50.0	0.00	63.1	47-143				



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 BB00129 - EPA 5035A											
Matrix Spike (BB00129-MS1)	*Source sample: 20A1088-08 (MW-1 (5-14))						Prepared & Analyzed: 02/05/2020				
Dichlorodifluoromethane	52.8		ug/L	50.0	0.00	106	10-145				
Diisopropyl ether (DIPE)	34.4		"	50.0	0.00	68.8	70-130	Low Bias			
Ethanol	ND	0.14	mg/kg dry		ND		70-130				
Ethyl Benzene	18.3		ug/L	50.0	0.00	36.6	11-158				
Ethyl tert-butyl ether (ETBE)	38.6		"	50.0	0.00	77.2	70-130				
Hexachlorobutadiene	5.89		"	50.0	0.00	11.8	10-158				
Iodomethane	24.3		"	50.0	0.00	48.6	70-130	Low Bias			
Isopropylbenzene	19.7		"	50.0	0.00	39.3	10-162				
Methyl acetate	40.7		"	50.0	0.00	81.4	10-149				
Methyl Methacrylate	36.6		"	50.0	0.00	73.2	22-162				
Methyl tert-butyl ether (MTBE)	40.0		"	50.0	0.00	79.9	42-152				
Methylcyclohexane	23.3		"	50.0	0.00	46.7	70-130	Low Bias			
Methylene chloride	35.0		"	50.0	0.00	70.1	28-151				
Naphthalene	8.58		"	50.0	4.47	8.22	10-158	Low Bias			
n-Butylbenzene	8.72		"	50.0	0.00	17.4	10-162				
n-Propylbenzene	15.5		"	50.0	0.00	31.0	10-155				
o-Xylene	15.9		"	50.0	0.00	31.9	10-158				
p- & m- Xylenes	34.0		"	100	0.00	34.0	10-156				
p-Diethylbenzene	11.0		"	50.0	0.00	22.0	10-146				
p-Ethyltoluene	15.5		"	50.0	0.00	30.9	10-135				
p-Isopropyltoluene	12.2		"	50.0	0.00	24.4	10-147				
sec-Butylbenzene	13.9		"	50.0	0.00	27.8	10-157				
Styrene	3.08		"	50.0	0.00	6.16	13-171	Low Bias			
tert-Amyl alcohol (TAA)	371		"	500	0.00	74.3	70-130				
tert-Amyl methyl ether (TAME)	36.7		"	50.0	0.00	73.4	70-130				
tert-Butyl alcohol (TBA)	192		"	250	0.00	77.0	34-179				
tert-Butylbenzene	13.9		"	50.0	0.00	27.8	10-160				
Tetrachloroethylene	22.4		"	50.0	0.00	44.7	30-167				
Tetrahydrofuran	32.8		"	50.0	0.00	65.7	25-160				
Toluene	25.3		"	50.0	0.00	50.5	21-160				
trans-1,2-Dichloroethylene	31.9		"	50.0	0.00	63.7	29-153				
trans-1,3-Dichloropropylene	14.8		"	50.0	0.00	29.6	18-155				
trans-1,4-dichloro-2-butene	23.4		"	50.0	0.00	46.7	17-154				
Trichloroethylene	29.3		"	50.0	0.00	58.5	24-169				
Trichlorofluoromethane	43.5		"	50.0	0.00	87.0	35-142				
Vinyl acetate	16.5		"	50.0	0.00	33.0	10-119				
Vinyl Chloride	44.4		"	50.0	0.00	88.8	12-160				
Allyl chloride	14.9		"	50.0	0.00	29.9	70-130	Low Bias			
Surrogate: SURR: 1,2-Dichloroethane-d4	59.1		"	50.0		118	77-125				
Surrogate: SURR: Toluene-d8	53.0		"	50.0		106	85-120				
Surrogate: SURR: p-Bromofluorobenzene	61.8		"	50.0		124	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 BB00129 - EPA 5035A											
Matrix Spike Dup (BB00129-MSD1)	*Source sample: 20A1088-08 (MW-1 (5-14))						Prepared & Analyzed: 02/05/2020				
1,1,1,2-Tetrachloroethane	15.6		ug/L	50.0	0.00	31.2	15-161		38.6	33	Non-dir.
1,1,1-Trichloroethane	32.3		"	50.0	0.00	64.6	42-145		28.5	30	
1,1,2,2-Tetrachloroethane	16.1		"	50.0	0.00	32.2	16-167		33.7	56	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	34.7		"	50.0	0.00	69.4	11-160		22.5	31	
1,1,2-Trichloroethane	26.2		"	50.0	0.00	52.5	44-145		13.1	40	
1,1-Dichloroethane	32.7		"	50.0	0.00	65.3	46-142		10.3	36	
1,1-Dichloroethylene	33.4		"	50.0	0.00	66.8	30-153		16.3	31	
1,1-Dichloropropylene	21.5		"	50.0	0.00	43.0	40-133		31.6	28	Non-dir.
1,2,3-Trichlorobenzene	0.00		"	50.0	0.00	10-157	Low Bias	200	47	Non-dir.	
1,2,3-Trichloropropane	26.1		"	50.0	0.00	52.1	38-155		22.8	48	
1,2,4,5-Tetramethylbenzene	2.92		"	50.0	0.00	5.84	10-138	Low Bias	83.3	44	Non-dir.
1,2,4-Trichlorobenzene	0.00		"	50.0	0.00	10-151	Low Bias	200	52	Non-dir.	
1,2,4-Trimethylbenzene	6.84		"	50.0	0.00	13.7	10-170		63.7	242	
1,2-Dibromo-3-chloropropane	8.87		"	50.0	0.00	17.7	36-138	Low Bias	39.4	54	
1,2-Dibromoethane	23.3		"	50.0	0.00	46.7	40-142		12.1	39	
1,2-Dichlorobenzene	4.70		"	50.0	0.00	9.40	10-147	Low Bias	62.4	52	Non-dir.
1,2-Dichloroethane	34.0		"	50.0	0.00	68.0	48-133		6.05	32	
1,2-Dichloropropane	26.4		"	50.0	0.00	52.8	47-141		13.5	37	
1,3,5-Trimethylbenzene	7.37		"	50.0	0.00	14.7	10-150		65.1	62	Non-dir.
1,3-Dichlorobenzene	4.78		"	50.0	0.00	9.56	10-144	Low Bias	65.2	51	Non-dir.
1,3-Dichloropropane	24.4		"	50.0	0.00	48.8	43-142		15.3	36	
1,4-Dichlorobenzene	4.96		"	50.0	0.00	9.92	10-160	Low Bias	61.5	52	Non-dir.
1,4-Dioxane	1160		"	1050	0.00	110	10-191		12.9	196	
2,2-Dichloropropane	26.3		"	50.0	0.00	52.6	38-130		26.1	31	
2-Butanone	71.9		"	50.0	8.81	126	10-189		17.6	67	
2-Chloroethylvinyl ether	3.02		"	50.0	0.00	6.04	10-161	Low Bias	29.4	30	
2-Chlorotoluene	7.42		"	50.0	0.00	14.8	14-144		59.9	49	Non-dir.
2-Hexanone	26.7		"	50.0	0.00	53.5	10-181		2.84	60	
4-Chlorotoluene	6.25		"	50.0	0.00	12.5	15-138	Low Bias	62.8	39	Non-dir.
4-Methyl-2-pentanone	25.3		"	50.0	0.00	50.7	10-166		4.25	47	
Acetone	203		"	50.0	31.9	342	10-196	High Bias	0.966	150	
Acrolein	0.00		"	500	0.00		10-192	Low Bias		128	
Acrylonitrile	34.3		"	50.0	0.00	68.6	13-161		7.38	48	
Benzene	25.8		"	50.0	0.00	51.6	43-139		19.6	64	
Bromobenzene	8.36		"	50.0	0.00	16.7	23-142	Low Bias	48.9	44	Non-dir.
Bromochloromethane	27.6		"	50.0	0.00	55.2	38-145		7.89	30	
Bromodichloromethane	25.7		"	50.0	0.00	51.5	38-147		22.4	37	
Bromoform	12.5		"	50.0	0.00	24.9	29-156	Low Bias	35.3	51	
Bromomethane	34.2		"	50.0	0.00	68.4	10-166		6.05	42	
Carbon disulfide	22.3		"	50.0	0.00	44.6	10-131		19.4	36	
Carbon tetrachloride	23.1		"	50.0	0.00	46.1	35-145		42.2	31	Non-dir.
Chlorobenzene	11.3		"	50.0	0.00	22.5	21-154		36.6	32	Non-dir.
Chloroethane	47.7		"	50.0	0.00	95.4	15-160		1.93	40	
Chloroform	33.1		"	50.0	0.00	66.1	47-142		12.8	29	
Chloromethane	40.0		"	50.0	0.00	80.1	10-159		1.66	31	
cis-1,2-Dichloroethylene	28.5		"	50.0	0.00	56.9	42-144		13.4	30	
cis-1,3-Dichloropropylene	16.5		"	50.0	0.00	33.0	18-159		11.4	39	
Cyclohexane	13.5		"	50.0	0.00	26.9	70-130	Low Bias	59.4	30	Non-dir.
Dibromochloromethane	19.2		"	50.0	0.00	38.3	10-179		23.4	41	
Dibromomethane	28.8		"	50.0	0.00	57.6	47-143		9.11	41	



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 BB00129 - EPA 5035A											
Matrix Spike Dup (BB00129-MSD1)	*Source sample: 20A1088-08 (MW-1 (5-14))					Prepared & Analyzed: 02/05/2020					
Dichlorodifluoromethane	46.2		ug/L	50.0	0.00	92.3	10-145		13.3	34	
Diisopropyl ether (DIPE)	33.9		"	50.0	0.00	67.8	70-130	Low Bias	1.49	30	
Ethanol	ND	0.14	mg/kg dry		ND		70-130			30	
Ethyl Benzene	11.3		ug/L	50.0	0.00	22.5	11-158		47.5	42	Non-dir.
Ethyl tert-butyl ether (ETBE)	37.6		"	50.0	0.00	75.3	70-130		2.52	30	
Hexachlorobutadiene	0.00		"	50.0	0.00		10-158	Low Bias	200	45	Non-dir.
Iodomethane	23.7		"	50.0	0.00	47.3	70-130	Low Bias	2.59	30	
Isopropylbenzene	10.1		"	50.0	0.00	20.2	10-162		64.4	57	Non-dir.
Methyl acetate	48.3		"	50.0	0.00	96.7	10-149		17.2	64	
Methyl Methacrylate	36.8		"	50.0	0.00	73.7	22-162		0.654	30	
Methyl tert-butyl ether (MTBE)	40.9		"	50.0	0.00	81.9	42-152		2.42	47	
Methylcyclohexane	9.58		"	50.0	0.00	19.2	70-130	Low Bias	83.6	30	Non-dir.
Methylene chloride	34.4		"	50.0	0.00	68.8	28-151		1.79	49	
Naphthalene	3.32		"	50.0	4.47	NR	10-158	Low Bias	88.4	95	
n-Butylbenzene	3.60		"	50.0	0.00	7.20	10-162	Low Bias	83.1	96	
n-Propylbenzene	7.64		"	50.0	0.00	15.3	10-155		67.9	56	Non-dir.
o-Xylene	10.2		"	50.0	0.00	20.3	10-158		44.2	51	
p- & m- Xylenes	20.9		"	100	0.00	20.9	10-156		47.7	47	Non-dir.
p-Diethylbenzene	4.26		"	50.0	0.00	8.52	10-146	Low Bias	88.4	39	Non-dir.
p-Ethyltoluene	7.98		"	50.0	0.00	16.0	10-135		63.9	40	Non-dir.
p-Isopropyltoluene	5.43		"	50.0	0.00	10.9	10-147		76.7	60	Non-dir.
sec-Butylbenzene	6.04		"	50.0	0.00	12.1	10-157		78.8	56	Non-dir.
Styrene	0.00		"	50.0	0.00		13-171	Low Bias	200	39	Non-dir.
tert-Amyl alcohol (TAA)	380		"	500	0.00	76.0	70-130		2.27	30	
tert-Amyl methyl ether (TAME)	35.6		"	50.0	0.00	71.2	70-130		3.13	30	
tert-Butyl alcohol (TBA)	212		"	250	0.00	84.7	34-179		9.49	35	
tert-Butylbenzene	6.51		"	50.0	0.00	13.0	10-160		72.4	79	
Tetrachloroethylene	12.7		"	50.0	0.00	25.4	30-167	Low Bias	54.9	33	Non-dir.
Tetrahydrofuran	34.6		"	50.0	0.00	69.2	25-160		5.19	30	
Toluene	18.3		"	50.0	0.00	36.6	21-160		31.9	50	
trans-1,2-Dichloroethylene	27.9		"	50.0	0.00	55.8	29-153		13.3	30	
trans-1,3-Dichloropropylene	13.4		"	50.0	0.00	26.8	18-155		10.1	30	
trans-1,4-dichloro-2-butene	18.1		"	50.0	0.00	36.3	17-154		25.3	30	
Trichloroethylene	20.9		"	50.0	0.00	41.8	24-169		33.5	30	Non-dir.
Trichlorofluoromethane	34.7		"	50.0	0.00	69.4	35-142		22.5	30	
Vinyl acetate	16.2		"	50.0	0.00	32.5	10-119		1.59	82	
Vinyl Chloride	42.9		"	50.0	0.00	85.7	12-160		3.51	35	
Allyl chloride	14.5		"	50.0	0.00	29.0	70-130	Low Bias	2.85	30	
Surrogate: SURRE: 1,2-Dichloroethane-d4	59.8		"	50.0		120	77-125				
Surrogate: SURRE: Toluene-d8	51.5		"	50.0		103	85-120				
Surrogate: SURRE: p-Bromofluorobenzene	56.9		"	50.0		114	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 BB00123 - EPA 3550C

Blank (BB00123-BLK1)

Prepared: 02/04/2020 Analyzed: 02/05/2020

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 BB00123 - EPA 3550C

Blank (BB00123-BLK1)

Prepared: 02/04/2020 Analyzed: 02/05/2020

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	ND	0.0416	"								
Dimethyl phthalate	ND	0.0416	"								
Di-n-butyl phthalate	ND	0.0416	"								
Di-n-octyl phthalate	ND	0.0416	"								
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	1.22		"	1.66		73.4	20-108				
Surrogate: SURR: Phenol-d5	1.29		"	1.66		77.4	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.748		"	0.831		90.1	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.710		"	0.831		85.5	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	1.93		"	1.66		116	19-110				
Surrogate: SURR: Terphenyl-d14	0.787		"	0.831		94.8	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 BB00123 - EPA 3550C											
LCS (BB00123-BS1)						Prepared: 02/04/2020 Analyzed: 02/05/2020					
1,1-Biphenyl	0.667	0.0416	mg/kg wet	0.831		80.3	18-111				
1,2,4,5-Tetrachlorobenzene	0.750	0.0830	"	0.839		89.4	21-131				
1,2,4-Trichlorobenzene	0.767	0.0416	"	0.831		92.4	10-140				
1,2-Dichlorobenzene	0.663	0.0416	"	0.831		79.8	34-108				
1,2-Diphenylhydrazine (as Azobenzene)	0.659	0.0416	"	0.831		79.3	17-137				
1,3-Dichlorobenzene	0.648	0.0416	"	0.831		78.0	33-110				
1,4-Dichlorobenzene	0.657	0.0416	"	0.831		79.2	32-104				
2,3,4,6-Tetrachlorophenol	0.764	0.0830	"	0.831		92.0	30-130				
2,4,5-Trichlorophenol	0.642	0.0416	"	0.831		77.3	27-118				
2,4,6-Trichlorophenol	0.769	0.0416	"	0.831		92.6	31-120				
2,4-Dichlorophenol	0.752	0.0416	"	0.831		90.6	20-127				
2,4-Dimethylphenol	0.592	0.0416	"	0.831		71.3	14-132				
2,4-Dinitrophenol	0.613	0.0830	"	0.831		73.8	10-171				
2,4-Dinitrotoluene	0.773	0.0416	"	0.831		93.1	34-131				
2,6-Dinitrotoluene	0.752	0.0416	"	0.831		90.5	31-128				
2-Chloronaphthalene	0.666	0.0416	"	0.831		80.2	31-117				
2-Chlorophenol	0.654	0.0416	"	0.831		78.8	33-113				
2-Methylnaphthalene	0.790	0.0416	"	0.831		95.1	12-138				
2-Methylphenol	0.570	0.0416	"	0.831		68.6	10-136				
2-Nitroaniline	0.709	0.0830	"	0.831		85.4	27-132				
2-Nitrophenol	0.737	0.0416	"	0.831		88.7	17-129				
3- & 4-Methylphenols	0.535	0.0416	"	0.831		64.4	29-103				
3,3-Dichlorobenzidine	0.655	0.0416	"	0.831		78.9	22-149				
3-Nitroaniline	0.599	0.0830	"	0.831		72.1	20-133				
4,6-Dinitro-2-methylphenol	0.979	0.0830	"	0.831		118	10-143				
4-Bromophenyl phenyl ether	0.772	0.0416	"	0.831		93.0	29-120				
4-Chloro-3-methylphenol	0.772	0.0416	"	0.831		92.9	24-129				
4-Chloroaniline	0.552	0.0416	"	0.831		66.4	10-132				
4-Chlorophenyl phenyl ether	0.748	0.0416	"	0.831		90.1	27-124				
4-Nitroaniline	0.647	0.0830	"	0.831		77.8	16-128				
4-Nitrophenol	0.714	0.0830	"	0.831		86.0	10-141				
Acenaphthene	0.690	0.0416	"	0.831		83.1	30-121				
Acenaphthylene	0.618	0.0416	"	0.831		74.4	30-115				
Acetophenone	0.685	0.0416	"	0.831		82.4	20-112				
Aniline	0.654	0.166	"	0.831		78.8	10-119				
Anthracene	0.715	0.0416	"	0.831		86.1	34-118				
Atrazine	0.711	0.0416	"	0.831		85.6	26-112				
Benzaldehyde	0.784	0.0416	"	0.831		94.4	21-100				
Benzo(a)anthracene	0.701	0.0416	"	0.831		84.4	32-122				
Benzo(a)pyrene	0.748	0.0416	"	0.831		90.1	29-133				
Benzo(b)fluoranthene	0.778	0.0416	"	0.831		93.7	25-133				
Benzo(g,h,i)perylene	0.773	0.0416	"	0.831		93.0	10-143				
Benzo(k)fluoranthene	0.675	0.0416	"	0.831		81.3	25-128				
Benzoic acid	0.292	0.0416	"	0.831		35.2	10-140				
Benzyl alcohol	0.719	0.0416	"	0.831		86.6	30-115				
Benzyl butyl phthalate	0.564	0.0416	"	0.831		68.0	26-126				
Bis(2-chloroethoxy)methane	0.665	0.0416	"	0.831		80.0	19-132				
Bis(2-chloroethyl)ether	0.638	0.0416	"	0.831		76.8	19-125				
Bis(2-chloroisopropyl)ether	0.854	0.0416	"	0.831		103	20-135				
Bis(2-ethylhexyl)phthalate	0.604	0.0416	"	0.831		72.8	10-155				
Caprolactam	0.680	0.0830	"	0.831		81.9	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 BB00123 - EPA 3550C

LCS (BB00123-BS1)

Prepared: 02/04/2020 Analyzed: 02/05/2020

Carbazole	0.685	0.0416	mg/kg wet	0.831		82.5	35-123				
Chrysene	0.682	0.0416	"	0.831		82.1	32-123				
Dibenzo(a,h)anthracene	0.983	0.0416	"	0.831		118	10-136				
Dibenzofuran	0.713	0.0416	"	0.831		85.9	29-121				
Diethyl phthalate	0.697	0.0416	"	0.831		84.0	34-116				
Dimethyl phthalate	0.701	0.0416	"	0.831		84.4	35-124				
Di-n-butyl phthalate	0.652	0.0416	"	0.831		78.6	31-116				
Di-n-octyl phthalate	0.671	0.0416	"	0.831		80.8	26-136				
Fluoranthene	0.771	0.0416	"	0.831		92.8	33-122				
Fluorene	0.732	0.0416	"	0.831		88.1	29-123				
Hexachlorobenzene	0.698	0.0416	"	0.831		84.0	21-124				
Hexachlorobutadiene	0.829	0.0416	"	0.831		99.8	10-149				
Hexachlorocyclopentadiene	0.375	0.0416	"	0.831		45.1	10-129				
Hexachloroethane	0.653	0.0416	"	0.831		78.6	28-108				
Indeno(1,2,3-cd)pyrene	0.858	0.0416	"	0.831		103	10-135				
Isophorone	0.733	0.0416	"	0.831		88.2	20-132				
Naphthalene	0.724	0.0416	"	0.831		87.1	23-124				
Nitrobenzene	0.695	0.0416	"	0.831		83.7	13-132				
N-Nitrosodimethylamine	0.615	0.0416	"	0.831		74.0	11-129				
N-nitroso-di-n-propylamine	0.695	0.0416	"	0.831		83.6	24-119				
N-Nitrosodiphenylamine	0.831	0.0416	"	0.831		100	22-152				
Pentachlorophenol	0.736	0.0416	"	0.831		88.6	10-139				
Phenanthrene	0.744	0.0416	"	0.831		89.6	33-123				
Phenol	0.702	0.0416	"	0.831		84.6	23-115				
Pyrene	0.639	0.0416	"	0.831		77.0	32-130				
Pyridine	0.587	0.166	"	0.831		70.7	10-91				
Surrogate: SURR: 2-Fluorophenol	1.27		"	1.66		76.7	20-108				
Surrogate: SURR: Phenol-d5	1.27		"	1.66		76.7	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.734		"	0.831		88.3	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.680		"	0.831		81.9	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	1.95		"	1.66		117	19-110				
Surrogate: SURR: Terphenyl-d14	0.780		"	0.831		93.9	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 BB00123 - EPA 3550C											
Matrix Spike (BB00123-MS1)		*Source sample: 20A1088-08 (MW-1 (5-14))						Prepared: 02/04/2020 Analyzed: 02/06/2020			
1,1-Biphenyl	0.830	0.147	mg/kg dry	1.47	ND	56.6	10-130				
1,2,4,5-Tetrachlorobenzene	0.870	0.293	"	1.48	ND	58.8	10-133				
1,2,4-Trichlorobenzene	0.876	0.147	"	1.47	ND	59.8	10-127				
1,2-Dichlorobenzene	0.808	0.147	"	1.47	ND	55.1	14-111				
1,2-Diphenylhydrazine (as Azobenzene)	0.676	0.147	"	1.47	ND	46.1	10-144				
1,3-Dichlorobenzene	0.768	0.147	"	1.47	ND	52.4	11-111				
1,4-Dichlorobenzene	0.793	0.147	"	1.47	ND	54.1	10-106				
2,3,4,6-Tetrachlorophenol	1.12	0.293	"	1.47	ND	76.6	30-130				
2,4,5-Trichlorophenol	0.751	0.147	"	1.47	ND	51.2	10-127				
2,4,6-Trichlorophenol	1.12	0.147	"	1.47	ND	76.6	10-132				
2,4-Dichlorophenol	1.10	0.147	"	1.47	ND	74.7	10-128				
2,4-Dimethylphenol	0.929	0.147	"	1.47	ND	63.4	10-137				
2,4-Dinitrophenol	ND	0.293	"	1.47	ND		10-171	Low Bias			
2,4-Dinitrotoluene	0.849	0.147	"	1.47	ND	57.9	16-135				
2,6-Dinitrotoluene	0.832	0.147	"	1.47	ND	56.7	18-131				
2-Chloronaphthalene	0.760	0.147	"	1.47	ND	51.8	10-129				
2-Chlorophenol	0.945	0.147	"	1.47	ND	64.5	15-116				
2-Methylnaphthalene	0.898	0.147	"	1.47	ND	61.3	10-147				
2-Methylphenol	0.991	0.147	"	1.47	ND	67.6	10-136				
2-Nitroaniline	1.08	0.293	"	1.47	ND	73.8	10-137				
2-Nitrophenol	0.890	0.147	"	1.47	ND	60.7	10-129				
3- & 4-Methylphenols	0.809	0.147	"	1.47	ND	55.2	10-123				
3,3-Dichlorobenzidine	0.604	0.147	"	1.47	ND	41.2	10-155				
3-Nitroaniline	0.999	0.293	"	1.47	ND	68.2	12-133				
4,6-Dinitro-2-methylphenol	ND	0.293	"	1.47	ND		10-155	Low Bias			
4-Bromophenyl phenyl ether	0.833	0.147	"	1.47	ND	56.8	14-128				
4-Chloro-3-methylphenol	1.11	0.147	"	1.47	ND	75.8	10-134				
4-Chloroaniline	0.919	0.147	"	1.47	ND	62.7	10-145				
4-Chlorophenyl phenyl ether	0.853	0.147	"	1.47	ND	58.2	14-130				
4-Nitroaniline	1.10	0.293	"	1.47	ND	74.8	10-147				
4-Nitrophenol	1.12	0.293	"	1.47	ND	76.4	10-137				
Acenaphthene	0.773	0.147	"	1.47	ND	52.7	10-146				
Acenaphthylene	0.742	0.147	"	1.47	ND	50.6	10-134				
Acetophenone	1.08	0.147	"	1.47	ND	73.4	10-116				
Aniline	0.850	0.588	"	1.47	ND	58.0	10-123				
Anthracene	0.861	0.147	"	1.47	0.0760	53.5	10-142				
Atrazine	0.992	0.147	"	1.47	ND	67.7	19-115				
Benzaldehyde	1.29	0.147	"	1.47	ND	88.2	10-125				
Benzo(a)anthracene	0.860	0.147	"	1.47	0.140	49.1	10-158				
Benzo(a)pyrene	0.905	0.147	"	1.47	0.132	52.7	10-180				
Benzo(b)fluoranthene	0.946	0.147	"	1.47	0.117	56.6	10-200				
Benzo(g,h,i)perylene	0.824	0.147	"	1.47	0.101	49.4	10-138				
Benzo(k)fluoranthene	0.800	0.147	"	1.47	0.111	47.0	10-197				
Benzoic acid	0.271	0.147	"	1.47	ND	18.5	10-166				
Benzyl alcohol	1.14	0.147	"	1.47	ND	77.8	12-124				
Benzyl butyl phthalate	0.585	0.147	"	1.47	ND	39.9	10-154				
Bis(2-chloroethoxy)methane	0.942	0.147	"	1.47	ND	64.2	10-132				
Bis(2-chloroethyl)ether	0.959	0.147	"	1.47	ND	65.4	10-119				
Bis(2-chloroisopropyl)ether	1.08	0.147	"	1.47	ND	73.9	10-139				
Bis(2-ethylhexyl)phthalate	0.673	0.147	"	1.47	ND	45.9	10-167				
Caprolactam	1.04	0.293	"	1.47	ND	71.1	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 BB00123 - EPA 3550C

Matrix Spike (BB00123-MS1)		*Source sample: 20A1088-08 (MW-1 (5-14))					Prepared: 02/04/2020 Analyzed: 02/06/2020				
Carbazole	0.820	0.147	mg/kg dry	1.47	ND	55.9	10-167				
Chrysene	0.857	0.147	"	1.47	0.145	48.6	10-156				
Dibenzo(a,h)anthracene	1.10	0.147	"	1.47	ND	75.3	10-137				
Dibenzofuran	0.816	0.147	"	1.47	ND	55.7	10-147				
Diethyl phthalate	0.802	0.147	"	1.47	ND	54.7	20-120				
Dimethyl phthalate	0.928	0.147	"	1.47	ND	63.3	18-131				
Di-n-butyl phthalate	0.674	0.147	"	1.47	ND	46.0	10-137				
Di-n-octyl phthalate	0.792	0.147	"	1.47	ND	54.0	10-180				
Fluoranthene	1.14	0.147	"	1.47	0.368	52.4	10-160				
Fluorene	0.832	0.147	"	1.47	ND	56.7	10-157				
Hexachlorobenzene	0.749	0.147	"	1.47	ND	51.1	10-137				
Hexachlorobutadiene	0.878	0.147	"	1.47	ND	59.9	10-132				
Hexachlorocyclopentadiene	ND	0.147	"	1.47	ND		10-106	Low Bias			
Hexachloroethane	0.433	0.147	"	1.47	ND	29.5	10-110				
Indeno(1,2,3-cd)pyrene	0.952	0.147	"	1.47	0.0877	59.0	10-144				
Isophorone	1.06	0.147	"	1.47	ND	72.0	10-132				
Naphthalene	0.856	0.147	"	1.47	ND	58.4	10-141				
Nitrobenzene	1.03	0.147	"	1.47	ND	70.3	10-131				
N-Nitrosodimethylamine	0.979	0.147	"	1.47	ND	66.8	10-126				
N-nitroso-di-n-propylamine	1.09	0.147	"	1.47	ND	74.2	10-125				
N-Nitrosodiphenylamine	0.998	0.147	"	1.47	ND	68.1	10-177				
Pentachlorophenol	0.876	0.147	"	1.47	ND	59.8	10-153				
Phenanthrene	0.989	0.147	"	1.47	0.339	44.3	10-148				
Phenol	0.975	0.147	"	1.47	ND	66.5	10-126				
Pyrene	0.873	0.147	"	1.47	0.264	41.5	10-165				
Pyridine	0.963	0.588	"	1.47	ND	65.7	10-83				
Surrogate: SURR: 2-Fluorophenol	1.88		"	2.93		64.1	20-108				
Surrogate: SURR: Phenol-d5	2.00		"	2.93		68.1	23-114				
Surrogate: SURR: Nitrobenzene-d5	1.12		"	1.47		76.4	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.835		"	1.47		57.0	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	2.69		"	2.93		91.8	19-110				
Surrogate: SURR: Terphenyl-d14	0.826		"	1.47		56.3	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 BB00123 - EPA 3550C											
Matrix Spike Dup (BB00123-MSD1)	*Source sample: 20A1088-08 (MW-1 (5-14))						Prepared: 02/04/2020 Analyzed: 02/06/2020				
1,1-Biphenyl	0.898	0.147	mg/kg dry	1.47	ND	61.3	10-130		7.87	30	
1,2,4,5-Tetrachlorobenzene	0.935	0.293	"	1.48	ND	63.1	10-133		7.15	30	
1,2,4-Trichlorobenzene	0.971	0.147	"	1.47	ND	66.2	10-127		10.3	30	
1,2-Dichlorobenzene	0.864	0.147	"	1.47	ND	59.0	14-111		6.73	30	
1,2-Diphenylhydrazine (as Azobenzene)	0.801	0.147	"	1.47	ND	54.6	10-144		17.0	30	
1,3-Dichlorobenzene	0.823	0.147	"	1.47	ND	56.2	11-111		6.93	30	
1,4-Dichlorobenzene	0.915	0.147	"	1.47	ND	62.4	10-106		14.3	30	
2,3,4,6-Tetrachlorophenol	1.16	0.293	"	1.47	ND	79.4	30-130		3.59	30	
2,4,5-Trichlorophenol	0.911	0.147	"	1.47	ND	62.2	10-127		19.3	30	
2,4,6-Trichlorophenol	1.17	0.147	"	1.47	ND	79.6	10-132		3.79	30	
2,4-Dichlorophenol	1.13	0.147	"	1.47	ND	76.9	10-128		2.85	30	
2,4-Dimethylphenol	1.04	0.147	"	1.47	ND	71.0	10-137		11.3	30	
2,4-Dinitrophenol	ND	0.293	"	1.47	ND		10-171	Low Bias		30	
2,4-Dinitrotoluene	0.918	0.147	"	1.47	ND	62.6	16-135		7.83	30	
2,6-Dinitrotoluene	1.02	0.147	"	1.47	ND	69.3	18-131		19.9	30	
2-Chloronaphthalene	0.868	0.147	"	1.47	ND	59.2	10-129		13.3	30	
2-Chlorophenol	1.06	0.147	"	1.47	ND	72.2	15-116		11.4	30	
2-Methylnaphthalene	1.00	0.147	"	1.47	ND	68.3	10-147		10.9	30	
2-Methylphenol	1.00	0.147	"	1.47	ND	68.2	10-136		0.942	30	
2-Nitroaniline	1.20	0.293	"	1.47	ND	82.1	10-137		10.6	30	
2-Nitrophenol	1.03	0.147	"	1.47	ND	70.2	10-129		14.4	30	
3- & 4-Methylphenols	0.881	0.147	"	1.47	ND	60.1	10-123		8.47	30	
3,3-Dichlorobenzidine	0.618	0.147	"	1.47	ND	42.2	10-155		2.30	30	
3-Nitroaniline	1.08	0.293	"	1.47	ND	73.5	12-133		7.57	30	
4,6-Dinitro-2-methylphenol	ND	0.293	"	1.47	ND		10-155	Low Bias		30	
4-Bromophenyl phenyl ether	0.999	0.147	"	1.47	ND	68.2	14-128		18.2	30	
4-Chloro-3-methylphenol	1.21	0.147	"	1.47	ND	82.3	10-134		8.19	30	
4-Chloroaniline	0.929	0.147	"	1.47	ND	63.4	10-145		1.02	30	
4-Chlorophenyl phenyl ether	0.982	0.147	"	1.47	ND	67.0	14-130		14.1	30	
4-Nitroaniline	1.16	0.293	"	1.47	ND	78.9	10-147		5.31	30	
4-Nitrophenol	1.06	0.293	"	1.47	ND	72.3	10-137		5.49	30	
Acenaphthene	0.908	0.147	"	1.47	ND	61.9	10-146		16.1	30	
Acenaphthylene	0.836	0.147	"	1.47	ND	57.0	10-134		11.9	30	
Acetophenone	1.14	0.147	"	1.47	ND	77.7	10-116		5.61	30	
Aniline	0.874	0.588	"	1.47	ND	59.6	10-123		2.72	30	
Anthracene	1.02	0.147	"	1.47	0.0760	64.3	10-142		16.7	30	
Atrazine	1.06	0.147	"	1.47	ND	72.1	19-115		6.30	30	
Benzaldehyde	1.34	0.147	"	1.47	ND	91.4	10-125		3.47	30	
Benzo(a)anthracene	1.00	0.147	"	1.47	0.140	58.9	10-158		15.5	30	
Benzo(a)pyrene	1.06	0.147	"	1.47	0.132	63.2	10-180		15.6	30	
Benzo(b)fluoranthene	1.09	0.147	"	1.47	0.117	66.3	10-200		14.1	30	
Benzo(g,h,i)perylene	0.993	0.147	"	1.47	0.101	60.9	10-138		18.6	30	
Benzo(k)fluoranthene	0.934	0.147	"	1.47	0.111	56.1	10-197		15.4	30	
Benzoic acid	0.290	0.147	"	1.47	ND	19.8	10-166		6.69	30	
Benzyl alcohol	1.19	0.147	"	1.47	ND	81.3	12-124		4.43	30	
Benzyl butyl phthalate	0.659	0.147	"	1.47	ND	45.0	10-154		11.9	30	
Bis(2-chloroethoxy)methane	1.01	0.147	"	1.47	ND	69.2	10-132		7.43	30	
Bis(2-chloroethyl)ether	1.02	0.147	"	1.47	ND	69.4	10-119		5.93	30	
Bis(2-chloroisopropyl)ether	1.16	0.147	"	1.47	ND	79.2	10-139		6.90	30	
Bis(2-ethylhexyl)phthalate	0.748	0.147	"	1.47	ND	51.0	10-167		10.6	30	
Caprolactam	1.09	0.293	"	1.47	ND	74.2	10-132		4.29	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 BB00123 - EPA 3550C

Matrix Spike Dup (BB00123-MSD1)		*Source sample: 20A1088-08 (MW-1 (5-14))					Prepared: 02/04/2020 Analyzed: 02/06/2020				
Carbazole	0.930	0.147	mg/kg dry	1.47	ND	63.4	10-167		12.6	30	
Chrysene	1.02	0.147	"	1.47	0.145	59.4	10-156		16.9	30	
Dibenzo(a,h)anthracene	1.24	0.147	"	1.47	ND	84.6	10-137		11.6	30	
Dibenzofuran	0.950	0.147	"	1.47	ND	64.8	10-147		15.1	30	
Diethyl phthalate	0.888	0.147	"	1.47	ND	60.6	20-120		10.1	30	
Dimethyl phthalate	1.04	0.147	"	1.47	ND	71.3	18-131		11.9	30	
Di-n-butyl phthalate	0.782	0.147	"	1.47	ND	53.4	10-137		14.8	30	
Di-n-octyl phthalate	0.857	0.147	"	1.47	ND	58.5	10-180		7.97	30	
Fluoranthene	1.39	0.147	"	1.47	0.368	69.8	10-160		20.2	30	
Fluorene	0.937	0.147	"	1.47	ND	63.9	10-157		11.9	30	
Hexachlorobenzene	0.877	0.147	"	1.47	ND	59.8	10-137		15.7	30	
Hexachlorobutadiene	0.919	0.147	"	1.47	ND	62.7	10-132		4.57	30	
Hexachlorocyclopentadiene	ND	0.147	"	1.47	ND		10-106	Low Bias		30	
Hexachloroethane	0.440	0.147	"	1.47	ND	30.0	10-110		1.61	30	
Indeno(1,2,3-cd)pyrene	1.10	0.147	"	1.47	0.0877	68.9	10-144		14.2	30	
Isophorone	1.14	0.147	"	1.47	ND	78.1	10-132		8.10	30	
Naphthalene	0.962	0.147	"	1.47	ND	65.6	10-141		11.6	30	
Nitrobenzene	1.12	0.147	"	1.47	ND	76.1	10-131		7.87	30	
N-Nitrosodimethylamine	0.997	0.147	"	1.47	ND	68.0	10-126		1.78	30	
N-nitroso-di-n-propylamine	1.10	0.147	"	1.47	ND	75.0	10-125		0.965	30	
N-Nitrosodiphenylamine	1.05	0.147	"	1.47	ND	71.4	10-177		4.82	30	
Pentachlorophenol	0.950	0.147	"	1.47	ND	64.8	10-153		8.09	30	
Phenanthrene	1.23	0.147	"	1.47	0.339	61.1	10-148		22.2	30	
Phenol	1.15	0.147	"	1.47	ND	78.3	10-126		16.4	30	
Pyrene	1.01	0.147	"	1.47	0.264	50.8	10-165		14.5	30	
Pyridine	0.874	0.588	"	1.47	ND	59.6	10-83		9.71	30	
Surrogate: SURR: 2-Fluorophenol	1.94		"	2.93		66.0	20-108				
Surrogate: SURR: Phenol-d5	2.02		"	2.93		69.0	23-114				
Surrogate: SURR: Nitrobenzene-d5	1.15		"	1.47		78.4	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.867		"	1.47		59.1	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	2.83		"	2.93		96.6	19-110				
Surrogate: SURR: Terphenyl-d14	0.898		"	1.47		61.3	24-116				



Semivolatile Organic Compounds by GC/MS/SIM - 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 BB00006 - EPA 3550C											
Blank (BB00006-BLK1)						Prepared: 02/03/2020 Analyzed: 02/06/2020					
1,4-Dioxane	ND	10.0	ug/kg								
Surrogate: 1,4-Dioxane-d8	210		"	250		84.0	39-88				
LCS (BB00006-BS1)						Prepared: 02/03/2020 Analyzed: 02/06/2020					
1,4-Dioxane	120	10.0	ug/kg	250		48.0	40-130				
Surrogate: 1,4-Dioxane-d8	220		"	250		88.0	39-88				
Matrix Spike (BB00006-MS1)						Prepared: 02/03/2020 Analyzed: 02/06/2020					
*Source sample: 20A1088-08 (MW-1 (5-14))											
1,4-Dioxane	120	10.0	ug/kg	250	ND	48.0	40-130				
Surrogate: 1,4-Dioxane-d8	120		"	250		48.0	40-130				
Matrix Spike Dup (BB00006-MSD1)						Prepared: 02/03/2020 Analyzed: 02/06/2020					
*Source sample: 20A1088-08 (MW-1 (5-14))											
1,4-Dioxane	110	10.0	ug/kg	250	ND	44.0	40-130		8.70	30	
Surrogate: 1,4-Dioxane-d8	120		"	250		48.0	40-130				



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 BB00003 - EPA 3550C

Blank (BB00003-BLK1)

Prepared: 02/03/2020 Analyzed: 02/05/2020

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	"								
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	0.00164	"								
Toxaphene	ND	0.164	"								
Chlordane, total	ND	0.0329	"								
Surrogate: Decachlorobiphenyl	0.0514		"	0.0664		77.4	30-150				
Surrogate: Tetrachloro-m-xylene	0.0525		"	0.0664		79.0	30-150				

LCS (BB00003-BS1)

Prepared: 02/03/2020 Analyzed: 02/05/2020

4,4'-DDD	0.0236	0.00164	mg/kg wet	0.0332		70.9	40-140				
4,4'-DDE	0.0201	0.00164	"	0.0332		60.5	40-140				
4,4'-DDT	0.0264	0.00164	"	0.0332		79.5	40-140				
Aldrin	0.0278	0.00164	"	0.0332		83.8	40-140				
alpha-BHC	0.0261	0.00164	"	0.0332		78.5	40-140				
alpha-Chlordane	0.0252	0.00164	"	0.0332		75.9	40-140				
beta-BHC	0.0263	0.00164	"	0.0332		79.1	40-140				
delta-BHC	0.0272	0.00164	"	0.0332		81.8	40-140				
Dieldrin	0.0268	0.00164	"	0.0332		80.5	40-140				
Endosulfan I	0.0258	0.00164	"	0.0332		77.6	40-140				
Endosulfan II	0.0245	0.00164	"	0.0332		73.8	40-140				
Endosulfan sulfate	0.0271	0.00164	"	0.0332		81.5	40-140				
Endrin	0.0273	0.00164	"	0.0332		82.0	40-140				
Endrin aldehyde	0.0235	0.00164	"	0.0332		70.6	40-140				
Endrin ketone	0.0304	0.00164	"	0.0332		91.5	40-140				
gamma-BHC (Lindane)	0.0277	0.00164	"	0.0332		83.3	40-140				
gamma-Chlordane	0.0252	0.00164	"	0.0332		75.8	40-140				
Heptachlor	0.0270	0.00164	"	0.0332		81.2	40-140				
Heptachlor epoxide	0.0253	0.00164	"	0.0332		76.2	40-140				
Methoxychlor	0.0303	0.00164	"	0.0332		91.1	40-140				
Surrogate: Decachlorobiphenyl	0.0574		"	0.0664		86.4	30-150				
Surrogate: Tetrachloro-m-xylene	0.0574		"	0.0664		86.4	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 BB00197 - EPA 3550C

Blank (BB00197-BLK1)

Prepared: 02/05/2020 Analyzed: 02/06/2020

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	"								
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	0.00164	"								
Toxaphene	ND	0.164	"								
Chlordane, total	ND	0.0329	"								
Surrogate: Decachlorobiphenyl	0.0636		"	0.0664		95.7	30-150				
Surrogate: Tetrachloro-m-xylene	0.0656		"	0.0664		98.7	30-150				

LCS (BB00197-BS1)

Prepared: 02/05/2020 Analyzed: 02/06/2020

4,4'-DDD	0.0358	0.00164	mg/kg wet	0.0332		108	40-140				
4,4'-DDE	0.0356	0.00164	"	0.0332		107	40-140				
4,4'-DDT	0.0386	0.00164	"	0.0332		116	40-140				
Aldrin	0.0338	0.00164	"	0.0332		102	40-140				
alpha-BHC	0.0338	0.00164	"	0.0332		102	40-140				
alpha-Chlordane	0.0349	0.00164	"	0.0332		105	40-140				
beta-BHC	0.0373	0.00164	"	0.0332		112	40-140				
delta-BHC	0.0341	0.00164	"	0.0332		103	40-140				
Dieldrin	0.0353	0.00164	"	0.0332		106	40-140				
Endosulfan I	0.0363	0.00164	"	0.0332		109	40-140				
Endosulfan II	0.0355	0.00164	"	0.0332		107	40-140				
Endosulfan sulfate	0.0338	0.00164	"	0.0332		102	40-140				
Endrin	0.0373	0.00164	"	0.0332		112	40-140				
Endrin aldehyde	0.0330	0.00164	"	0.0332		99.4	40-140				
Endrin ketone	0.0366	0.00164	"	0.0332		110	40-140				
gamma-BHC (Lindane)	0.0339	0.00164	"	0.0332		102	40-140				
gamma-Chlordane	0.0341	0.00164	"	0.0332		103	40-140				
Heptachlor	0.0375	0.00164	"	0.0332		113	40-140				
Heptachlor epoxide	0.0358	0.00164	"	0.0332		108	40-140				
Methoxychlor	0.0409	0.00164	"	0.0332		123	40-140				
Surrogate: Decachlorobiphenyl	0.0827		"	0.0664		124	30-150				
Surrogate: Tetrachloro-m-xylene	0.0755		"	0.0664		114	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 Y0A2002 - BA00785

Performance Mix (Y0A2002-PEM1)

Prepared & Analyzed: 01/17/2020

4,4'-DDD	12.6		ng/mL	0.00			0-200			
4,4'-DDE	5.62		"	0.00			0-200			
4,4'-DDT	290		"	200		145	0-200			
Endrin	113		"	100		113	0-200			
Endrin aldehyde	3.25		"	0.00			0-200			
Endrin ketone	5.72		"	0.00			0-200			

Batch Y0B0607 - BB00154

Performance Mix (Y0B0607-PEM1)

Prepared & Analyzed: 02/05/2020

4,4'-DDD	14.1		ng/mL	0.00			0-200			
4,4'-DDE	1.50		"	0.00			0-200			
4,4'-DDT	236		"	200		118	0-200			
Endrin	113		"	100		113	0-200			
Endrin aldehyde	1.15		"	0.00			0-200			
Endrin ketone	9.11		"	0.00			0-200			

Performance Mix (Y0B0607-PEM2)

Prepared & Analyzed: 02/05/2020

4,4'-DDD	14.1		ng/mL	0.00			0-200			
4,4'-DDE	0.992		"	0.00			0-200			
4,4'-DDT	227		"	200		114	0-200			
Endrin	103		"	100		103	0-200			
Endrin aldehyde	0.726		"	0.00			0-200			
Endrin ketone	5.67		"	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 BB00003 - EPA 3550C

Blank (BB00003-BLK2)

Prepared & Analyzed: 02/03/2020

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	0.0555		"	0.0664		83.5	30-120				
Surrogate: Decachlorobiphenyl	0.0522		"	0.0664		78.5	30-120				

LCS (BB00003-BS2)

Prepared & Analyzed: 02/03/2020

Aroclor 1016	0.298	0.0166	mg/kg wet	0.332		89.7	40-130				
Aroclor 1260	0.307	0.0166	"	0.332		92.5	40-130				
Surrogate: Tetrachloro-m-xylene	0.0558		"	0.0664		84.0	30-120				
Surrogate: Decachlorobiphenyl	0.0518		"	0.0664		78.0	30-120				

Batch BB00197 - EPA 3550C

Blank (BB00197-BLK2)

Prepared: 02/05/2020 Analyzed: 02/06/2020

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	0.0688		"	0.0664		104	30-120				
Surrogate: Decachlorobiphenyl	0.0648		"	0.0664		97.5	30-120				



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 BB00197 - EPA 3550C

LCS (BB00197-BS2)

Prepared: 02/05/2020 Analyzed: 02/06/2020

Aroclor 1016	0.329	0.0166	mg/kg wet	0.332		99.1	40-130				
Aroclor 1260	0.331	0.0166	"	0.332		99.7	40-130				
Surrogate: Tetrachloro-m-xylene	0.0641		"	0.0664		96.5	30-120				
Surrogate: Decachlorobiphenyl	0.0621		"	0.0664		93.5	30-120				



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 BB00004 - EPA 3550C/8151A											
Blank (BB00004-BLK1)						Prepared & Analyzed: 02/03/2020					
2,4,5-T	ND	0.0199	mg/kg wet								
2,4,5-TP (Silvex)	ND	0.0199	"								
2,4-D	ND	0.0199	"								
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	0.434		"	0.498		87.2	21-150				
LCS (BB00004-BS1)						Prepared & Analyzed: 02/03/2020					
2,4,5-T	0.104	0.0199	mg/kg wet	0.159		65.0	10-120				
2,4,5-TP (Silvex)	0.121	0.0199	"	0.159		75.6	10-120				
2,4-D	0.114	0.0199	"	0.159		71.2	10-118				
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	0.523		"	0.498		105	21-150				
Matrix Spike (BB00004-MS1)						*Source sample: 20A1088-08 (MW-1 (5-14))					
						Prepared & Analyzed: 02/03/2020					
2,4,5-T	0.102	0.0352	mg/kg dry	0.281	ND	36.2	10-120				
2,4,5-TP (Silvex)	0.116	0.0352	"	0.281	ND	41.2	10-120				
2,4-D	0.118	0.0352	"	0.281	ND	41.9	10-118				
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	0.645		"	0.879		73.4	21-150				
Matrix Spike Dup (BB00004-MSD1)						*Source sample: 20A1088-08 (MW-1 (5-14))					
						Prepared & Analyzed: 02/03/2020					
2,4,5-T	0.104	0.0352	mg/kg dry	0.281	ND	36.9	10-120		1.71	35	
2,4,5-TP (Silvex)	0.116	0.0352	"	0.281	ND	41.2	10-120		0.00	35	
2,4-D	0.120	0.0352	"	0.281	ND	42.5	10-118		1.48	35	
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	0.656		"	0.879		74.6	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 BA01469 - EPA 3050B

Blank (BA01469-BLK1)

Prepared: 01/31/2020 Analyzed: 02/03/2020

Aluminum	5.48	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 (BA01469-DUP1)

*Source sample: 20A1088-08 (MW-1 (5-14))

Prepared: 01/31/2020 Analyzed: 02/03/2020

Aluminum	14000	8.83	mg/kg dry	13100	6.60	35	
Antimony	ND	4.41	"	ND		35	
Arsenic	ND	2.65	"	6.21		35	
Barium	185	4.41	"	159	15.2	35	
Beryllium	ND	0.088	"	ND		35	
Cadmium	ND	0.530	"	0.661		35	
Calcium	6690	8.83	"	21200	104	35	Non-dir.
Chromium	41.9	0.883	"	65.7	44.2	35	Non-dir.
Cobalt	13.0	0.706	"	11.0	16.7	35	
Copper	81.4	3.53	"	41.5	64.9	35	Non-dir.
Iron	20200	44.1	"	22100	9.21	35	
Lead	33.1	0.883	"	64.5	64.3	35	Non-dir.
Magnesium	5750	8.83	"	12600	74.5	35	Non-dir.
Manganese	241	0.883	"	267	9.92	35	
Nickel	68.7	1.77	"	62.5	9.49	35	
Potassium	2440	8.83	"	2620	7.14	35	
Selenium	ND	4.41	"	ND		35	
Silver	ND	0.883	"	ND		35	
Sodium	761	88.3	"	727	4.58	35	
Thallium	ND	4.41	"	ND		35	
Vanadium	31.1	1.77	"	29.9	3.77	35	
Zinc	142	4.41	"	167	16.0	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 BA01469 - EPA 3050B

Matrix Spike (BA01469-MS1)		*Source sample: 20A1088-08 (MW-1 (5-14))					Prepared: 01/31/2020 Analyzed: 02/03/2020				
Aluminum	16200	8.83	mg/kg dry	353	13100	887	75-125	High Bias			
Antimony	9.23	4.41	"	44.1	ND	20.9	75-125	Low Bias			
Arsenic	309	2.65	"	353	6.21	85.7	75-125				
Barium	476	4.41	"	353	159	89.8	75-125				
Beryllium	2.07	0.088	"	8.83	ND	23.4	75-125	Low Bias			
Cadmium	8.29	0.530	"	8.83	0.661	86.4	75-125				
Calcium	9590	8.83	"	177	21200	NR	75-125	Low Bias			
Chromium	78.7	0.883	"	35.3	65.7	36.8	75-125	Low Bias			
Cobalt	91.0	0.706	"	88.3	11.0	90.7	75-125				
Copper	83.2	3.53	"	44.1	41.5	94.4	75-125				
Iron	24400	44.1	"	177	22100	NR	75-125	High Bias			
Lead	123	0.883	"	88.3	64.5	66.8	75-125	Low Bias			
Magnesium	7690	8.83	"	177	12600	NR	75-125	Low Bias			
Manganese	383	0.883	"	88.3	267	132	75-125	High Bias			
Nickel	150	1.77	"	88.3	62.5	99.2	75-125				
Potassium	3550	8.83	"	177	2620	526	75-125	High Bias			
Selenium	268	4.41	"	353	ND	75.8	75-125				
Silver	4.20	0.883	"	8.83	ND	47.6	75-125	Low Bias			
Sodium	944	88.3	"	177	727	123	75-125				
Thallium	304	4.41	"	353	ND	86.1	75-125				
Vanadium	111	1.77	"	88.3	29.9	91.8	75-125				
Zinc	211	4.41	"	88.3	167	50.3	75-125	Low Bias			

Post Spike (BA01469-PS1)		*Source sample: 20A1088-08 (MW-1 (5-14))					Prepared: 01/31/2020 Analyzed: 02/03/2020				
Aluminum	76.5		ug/mL	2.00	74.3	112	75-125				
Antimony	0.274		"	0.250	0.006	108	75-125				
Arsenic	2.12		"	2.00	0.035	104	75-125				
Barium	2.94		"	2.00	0.899	102	75-125				
Beryllium	0.028		"	0.0500	-0.023	55.5	75-125	Low Bias			
Cadmium	0.055		"	0.0500	0.004	103	75-125				
Calcium	123		"	1.00	120	263	75-125	High Bias			
Chromium	0.574		"	0.200	0.372	101	75-125				
Cobalt	0.583		"	0.500	0.062	104	75-125				
Copper	0.494		"	0.250	0.235	104	75-125				
Iron	126		"	1.00	125	65.8	75-125	Low Bias			
Lead	0.876		"	0.500	0.366	102	75-125				
Magnesium	72.0		"	1.00	71.3	75.8	75-125				
Manganese	2.03		"	0.500	1.51	103	75-125				
Nickel	0.885		"	0.500	0.354	106	75-125				
Potassium	16.0		"	1.00	14.8	121	75-125				
Selenium	1.89		"	2.00	-0.023	94.4	75-125				
Silver	0.011		"	0.0500	-0.015	22.3	75-125	Low Bias			
Sodium	5.11		"	1.00	4.12	98.9	75-125				
Thallium	2.05		"	2.00	-0.027	102	75-125				
Vanadium	0.664		"	0.500	0.170	98.9	75-125				
Zinc	1.41		"	0.500	0.943	93.6	75-125				



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

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

Batch BA01469 - EPA 3050B

Reference (BA01469-SRM1)

Prepared: 01/31/2020 Analyzed: 02/03/2020

Aluminum	6620	5.00	mg/kg wet	7700		86.0	49.4-150.6			
Antimony	18.4	2.50	"	40.0		45.9	21.58-292.5			
Arsenic	102	1.50	"	125		81.5	69.8-129.6			
Barium	454	2.50	"	529		85.9	75-125.1			
Beryllium	119	0.050	"	155		77.0	74.8-125.2			
Cadmium	28.8	0.300	"	37.7		76.4	74.8-124.9			
Calcium	3700	5.00	"	4720		78.4	72.5-127.3			
Chromium	44.6	0.500	"	58.3		76.6	70-130			
Cobalt	156	0.400	"	196		79.5	75-125			
Copper	60.7	2.00	"	78.0		77.8	75-125			
Iron	10300	25.0	"	13800		74.7	34.4-165.9			
Lead	88.4	0.500	"	111		79.6	70.9-128.8			
Magnesium	1810	5.00	"	2240		80.6	61.6-138.4			
Manganese	244	0.500	"	310		78.7	74.5-125.2			
Nickel	262	1.00	"	333		78.6	70-130			
Potassium	1710	5.00	"	1970		86.6	58.4-141.1			
Selenium	175	2.50	"	251		69.8	69.3-131.1			
Silver	5.26	0.500	"	27.2		19.4	67.6-132	Low Bias		
Sodium	176	50.0	"	220		79.9	48.2-151.8			
Thallium	197	2.50	"	241		81.7	72.6-127.4			
Vanadium	92.4	1.00	"	125		73.9	70.2-129.6			
Zinc	274	2.50	"	351		77.9	69.8-129.9			



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	Limit	Flag
Batch BA01440 - EPA 7473 soil											
Blank (BA01440-BLK1)								Prepared & Analyzed: 01/30/2020			
Mercury	ND	0.0300	mg/kg wet								
Duplicate (BA01440-DUP1)								Prepared & Analyzed: 01/30/2020			
Mercury	0.221	0.0530	mg/kg dry		0.260				16.1	35	
Matrix Spike (BA01440-MS1)								Prepared & Analyzed: 01/30/2020			
Mercury	0.575		mg/kg	0.500	0.147	85.5	75-125				
Reference (BA01440-SRM1)								Prepared & Analyzed: 01/30/2020			
Mercury	2.6152		mg/kg	3.71		70.5	65-135				



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 BA01468 - % Solids Prep

Duplicate (BA01468-DUP1)		*Source sample: 20A1088-08 (MW-1 (5-14))					Prepared & Analyzed: 01/31/2020				
% Solids	53.7	0.100	%		56.7			5.37	20		



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
20A1088-01	GB-7 (4-8)	40mL Vial with Stir Bar-Cool 4° C
20A1088-02	GB-7 (12-16)	40mL Vial with Stir Bar-Cool 4° C
20A1088-03	GB-8 (0-4)	40mL Vial with Stir Bar-Cool 4° C
20A1088-04	GB-8 (8-12)	40mL Vial with Stir Bar-Cool 4° C
20A1088-05	MW-6 (4-8)	40mL Vial with Stir Bar-Cool 4° C
20A1088-06	GB-10 (4-8)	40mL Vial with Stir Bar-Cool 4° C
20A1088-07	MW-3 (5-9)	40mL Vial with Stir Bar-Cool 4° C
20A1088-08	MW-1 (5-14)	40mL Vial with Stir Bar-Cool 4° C
20A1088-09	Trip Blank	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



Sample and Data Qualifiers Relating to This Work Order

M-ICV2	The recovery for this element in the ICV was outside the 90-110% recovery criteria.
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.
CCV-L	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 low.
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.
M-BS	The recovery for this element in the batch blank spike recovered slightly outside of control limits
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.
M-DUPS	The RPD between the native sample and the duplicate is outside of limits due to sample non-homogeneity
S-GC	Two surrogates are used for this analysis. One surrogate recovered within control limits therefore the analysis is acceptable.
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.
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.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
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.
S-08	The recovery of this surrogate was outside of QC limits.
M-CRL	The RL check for this element recovered outside of control limits.

Definitions and Other Explanations

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



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

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

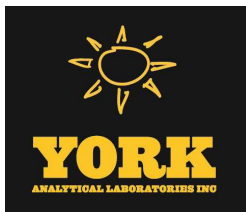
If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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



Technical Report

prepared for:

Hydro Environmental Solutions

One Deans Bridge Road

Somers NY, 10589

Attention: Bill Canavan

Report Date: 02/07/2020

Client Project ID: 130 Midland Avenue, Port Chester, New York

York Project (SDG) No.: 20A1125

CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037



New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

120 RESEARCH DRIVE
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132-02 89th AVENUE
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RICHMOND HILL, NY 11418
ClientServices@yorklab.com

Report Date: 02/07/2020
Client Project ID: 130 Midland Avenue, Port Chester, New York
York Project (SDG) No.: 20A1125

Hydro Environmental Solutions

One Deans Bridge Road
Somers NY, 10589
Attention: Bill Canavan

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on January 31, 2020 and listed below. The project was identified as your project: **130 Midland Avenue, Port Chester, New York.**

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>
20A1125-01	MW-4 (2-7)	Soil	01/30/2020	01/31/2020
20A1125-02	MW-5 (5-9)	Soil	01/30/2020	01/31/2020
20A1125-03	GB-9 (8-12)	Soil	01/30/2020	01/31/2020
20A1125-04	GB-11 (8-12)	Soil	01/30/2020	01/31/2020

General Notes for York Project (SDG) No.: 20A1125

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:



Benjamin Gulizia
Laboratory Director

Date: 02/07/2020





Sample Information

Client Sample ID: MW-4 (2-7)

York Sample ID: 20A1125-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1125

130 Midland Avenue, Port Chester, New York

Soil

January 30, 2020 12:00 am

01/31/2020

Volatiles, 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	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 04:36	SS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 04:36	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 04:36	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	02/03/2020 12:30	02/04/2020 04:36	SS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 04:36	SS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 04:36	SS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 04:36	SS
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 04:36	SS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 04:36	SS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	02/03/2020 12:30	02/04/2020 04:36	SS
95-93-2	* 1,2,4,5-Tetramethylbenzene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications:	02/03/2020 12:30	02/04/2020 04:36	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 04:36	SS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 04:36	SS
96-12-8	1,2-Dibromo-3-chloropropane	0.0074		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 04:36	SS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 04:36	SS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 04:36	SS
107-06-2	1,2-Dichloroethane	0.0032	J	mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 04:36	SS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 04:36	SS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 04:36	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 04:36	SS
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 04:36	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 04:36	SS



Sample Information

Client Sample ID: MW-4 (2-7)

York Sample ID: 20A1125-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1125

130 Midland Avenue, Port Chester, New York

Soil

January 30, 2020 12:00 am

01/31/2020

Volatiles, 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
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.059	0.12	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 04:36	SS
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	02/03/2020 12:30	02/04/2020 04:36	SS
78-93-3	2-Butanone	0.0052	J	mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 04:36	SS
110-75-8	2-Chloroethylvinyl ether	ND		mg/kg dry	0.012	0.023	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 04:36	SS
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 04:36	SS
591-78-6	2-Hexanone	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 04:36	SS
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 04:36	SS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 04:36	SS
67-64-1	Acetone	0.029		mg/kg dry	0.0059	0.012	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 04:36	SS
107-02-8	Acrolein	ND		mg/kg dry	0.0059	0.012	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 04:36	SS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 04:36	SS
71-43-2	Benzene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 04:36	SS
108-86-1	Bromobenzene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 04:36	SS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 04:36	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 04:36	SS
75-25-2	Bromoform	0.0064		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 04:36	SS
74-83-9	Bromomethane	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 04:36	SS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 04:36	SS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 04:36	SS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 04:36	SS
75-00-3	Chloroethane	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 04:36	SS
67-66-3	Chloroform	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 04:36	SS
74-87-3	Chloromethane	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 04:36	SS



Sample Information

Client Sample ID: MW-4 (2-7)

York Sample ID: 20A1125-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1125

130 Midland Avenue, Port Chester, New York

Soil

January 30, 2020 12:00 am

01/31/2020

Volatiles, 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
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications:	02/03/2020 12:30	02/04/2020 04:36	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications:	02/03/2020 12:30	02/04/2020 04:36	SS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications:	02/03/2020 12:30	02/04/2020 04:36	SS
124-48-1	Dibromochloromethane	0.0042	J	mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications:	02/03/2020 12:30	02/04/2020 04:36	SS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications:	02/03/2020 12:30	02/04/2020 04:36	SS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications:	02/03/2020 12:30	02/04/2020 04:36	SS
108-20-3	* Diisopropyl ether (DIPE)	ND		mg/kg dry	0.0047	0.0094	1	EPA 8260C Certifications:	02/03/2020 12:30	02/04/2020 04:36	SS
64-17-5	* Ethanol	ND		mg/kg dry	0.047	0.094	1	EPA 8260C Certifications:	02/03/2020 12:30	02/04/2020 04:36	SS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications:	02/03/2020 12:30	02/04/2020 04:36	SS
637-92-3	* Ethyl tert-butyl ether (ETBE)	ND		mg/kg dry	0.0047	0.0094	1	EPA 8260C Certifications:	02/03/2020 12:30	02/04/2020 04:36	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications:	02/03/2020 12:30	02/04/2020 04:36	SS
74-88-4	* Iodomethane	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications:	02/03/2020 12:30	02/04/2020 04:36	SS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications:	02/03/2020 12:30	02/04/2020 04:36	SS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications:	02/03/2020 12:30	02/04/2020 04:36	SS
80-62-6	Methyl Methacrylate	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications:	02/03/2020 12:30	02/04/2020 04:36	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications:	02/03/2020 12:30	02/04/2020 04:36	SS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications:	02/03/2020 12:30	02/04/2020 04:36	SS
75-09-2	Methylene chloride	ND		mg/kg dry	0.0059	0.012	1	EPA 8260C Certifications:	02/03/2020 12:30	02/04/2020 04:36	SS
91-20-3	Naphthalene	ND		mg/kg dry	0.0029	0.012	1	EPA 8260C Certifications:	02/03/2020 12:30	02/04/2020 04:36	SS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications:	02/03/2020 12:30	02/04/2020 04:36	SS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications:	02/03/2020 12:30	02/04/2020 04:36	SS
95-47-6	o-Xylene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications:	02/03/2020 12:30	02/04/2020 04:36	SS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0059	0.012	1	EPA 8260C Certifications:	02/03/2020 12:30	02/04/2020 04:36	SS



Sample Information

Client Sample ID: MW-4 (2-7)

York Sample ID: 20A1125-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1125

130 Midland Avenue, Port Chester, New York

Soil

January 30, 2020 12:00 am

01/31/2020

Volatiles, 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
105-05-5	* p-Diethylbenzene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications:	02/03/2020 12:30	02/04/2020 04:36	SS
622-96-8	* p-Ethyltoluene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications:	02/03/2020 12:30	02/04/2020 04:36	SS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 04:36	SS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 04:36	SS
100-42-5	Styrene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 04:36	SS
75-85-4	* tert-Amyl alcohol (TAA)	ND		mg/kg dry	0.047	0.094	1	EPA 8260C Certifications:	02/03/2020 12:30	02/04/2020 04:36	SS
994-05-8	* tert-Amyl methyl ether (TAME)	ND		mg/kg dry	0.0047	0.0094	1	EPA 8260C Certifications:	02/03/2020 12:30	02/04/2020 04:36	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 04:36	SS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 04:36	SS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 04:36	SS
109-99-9	* Tetrahydrofuran	ND		mg/kg dry	0.0059	0.012	1	EPA 8260C Certifications:	02/03/2020 12:30	02/04/2020 04:36	SS
108-88-3	Toluene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 04:36	SS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 04:36	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 04:36	SS
110-57-6	* trans-1,4-dichloro-2-butene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH	02/03/2020 12:30	02/04/2020 04:36	SS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 04:36	SS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 04:36	SS
108-05-4	Vinyl acetate	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 04:36	SS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 04:36	SS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0088	0.018	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	02/03/2020 12:30	02/04/2020 04:36	SS
107-05-1	* Allyl chloride	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications:	02/03/2020 12:30	02/04/2020 04:36	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURRE: 1,2-Dichloroethane-d4	104 %	77-125								
2037-26-5	Surrogate: SURRE: Toluene-d8	94.3 %	85-120								



Sample Information

Client Sample ID: MW-4 (2-7)

York Sample ID: 20A1125-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1125

130 Midland Avenue, Port Chester, New York

Soil

January 30, 2020 12:00 am

01/31/2020

Volatiles, 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
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	95.8 %			76-130						

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

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	0.0489	0.0977	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 19:47	OW
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0977	0.195	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 19:47	OW
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0489	0.0977	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 19:47	OW
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0489	0.0977	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/05/2020 07:43	02/05/2020 19:47	OW
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0489	0.0977	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 19:47	OW
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0489	0.0977	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/05/2020 07:43	02/05/2020 19:47	OW
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0489	0.0977	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/05/2020 07:43	02/05/2020 19:47	OW
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0977	0.195	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 19:47	OW
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0489	0.0977	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 19:47	OW
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0489	0.0977	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 19:47	OW
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0489	0.0977	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 19:47	OW
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0489	0.0977	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 19:47	OW
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0977	0.195	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 19:47	OW
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0489	0.0977	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 19:47	OW
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0489	0.0977	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 19:47	OW
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0489	0.0977	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 19:47	OW
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0489	0.0977	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 19:47	OW
91-57-6	2-Methylnaphthalene	0.0843	J	mg/kg dry	0.0489	0.0977	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 19:47	OW
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0489	0.0977	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 19:47	OW



Sample Information

Client Sample ID: MW-4 (2-7)

York Sample ID: 20A1125-01

York Project (SDG) No.

Client Project ID

Matrix

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Date Received

20A1125

130 Midland Avenue, Port Chester, New York

Soil

January 30, 2020 12:00 am

01/31/2020

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0977	0.195	2	EPA 8270D Certifications:	02/05/2020 07:43 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 19:47	OW
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0489	0.0977	2	EPA 8270D Certifications:	02/05/2020 07:43 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 19:47	OW
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0489	0.0977	2	EPA 8270D Certifications:	02/05/2020 07:43 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 19:47	OW
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0489	0.0977	2	EPA 8270D Certifications:	02/05/2020 07:43 NELAC-NY10854,NJDEP,PADEP	02/05/2020 19:47	OW
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0977	0.195	2	EPA 8270D Certifications:	02/05/2020 07:43 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 19:47	OW
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0977	0.195	2	EPA 8270D Certifications:	02/05/2020 07:43 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 19:47	OW
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0489	0.0977	2	EPA 8270D Certifications:	02/05/2020 07:43 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 19:47	OW
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0489	0.0977	2	EPA 8270D Certifications:	02/05/2020 07:43 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 19:47	OW
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0489	0.0977	2	EPA 8270D Certifications:	02/05/2020 07:43 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 19:47	OW
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0489	0.0977	2	EPA 8270D Certifications:	02/05/2020 07:43 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 19:47	OW
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0977	0.195	2	EPA 8270D Certifications:	02/05/2020 07:43 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 19:47	OW
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0977	0.195	2	EPA 8270D Certifications:	02/05/2020 07:43 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 19:47	OW
83-32-9	Acenaphthene	0.399		mg/kg dry	0.0489	0.0977	2	EPA 8270D Certifications:	02/05/2020 07:43 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 19:47	OW
208-96-8	Acenaphthylene	0.329		mg/kg dry	0.0489	0.0977	2	EPA 8270D Certifications:	02/05/2020 07:43 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 19:47	OW
98-86-2	Acetophenone	ND		mg/kg dry	0.0489	0.0977	2	EPA 8270D Certifications:	02/05/2020 07:43 NELAC-NY10854,NJDEP,PADEP	02/05/2020 19:47	OW
62-53-3	Aniline	ND		mg/kg dry	0.196	0.391	2	EPA 8270D Certifications:	02/05/2020 07:43 NELAC-NY10854,NJDEP,PADEP	02/05/2020 19:47	OW
120-12-7	Anthracene	0.875		mg/kg dry	0.0489	0.0977	2	EPA 8270D Certifications:	02/05/2020 07:43 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 19:47	OW
1912-24-9	Atrazine	ND		mg/kg dry	0.0489	0.0977	2	EPA 8270D Certifications:	02/05/2020 07:43 NELAC-NY10854,NJDEP,PADEP	02/05/2020 19:47	OW
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0489	0.0977	2	EPA 8270D Certifications:	02/05/2020 07:43 NELAC-NY10854,NJDEP,PADEP	02/05/2020 19:47	OW
92-87-5	Benzidine	ND		mg/kg dry	0.196	0.391	2	EPA 8270D Certifications:	02/05/2020 07:43 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 19:47	OW
56-55-3	Benzo(a)anthracene	2.51		mg/kg dry	0.0489	0.0977	2	EPA 8270D Certifications:	02/05/2020 07:43 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 19:47	OW
50-32-8	Benzo(a)pyrene	2.74		mg/kg dry	0.0489	0.0977	2	EPA 8270D Certifications:	02/05/2020 07:43 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 19:47	OW
205-99-2	Benzo(b)fluoranthene	2.51		mg/kg dry	0.0489	0.0977	2	EPA 8270D Certifications:	02/05/2020 07:43 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 19:47	OW



Sample Information

Client Sample ID: MW-4 (2-7)

York Sample ID: 20A1125-01

York Project (SDG) No.

Client Project ID

Matrix

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Date Received

20A1125

130 Midland Avenue, Port Chester, New York

Soil

January 30, 2020 12:00 am

01/31/2020

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
191-24-2	Benzo(g,h,i)perylene	1.23		mg/kg dry	0.0489	0.0977	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 19:47	OW
207-08-9	Benzo(k)fluoranthene	2.09		mg/kg dry	0.0489	0.0977	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 19:47	OW
65-85-0	Benzoic acid	ND		mg/kg dry	0.0489	0.0977	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 19:47	OW
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0489	0.0977	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 19:47	OW
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0489	0.0977	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 19:47	OW
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0489	0.0977	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 19:47	OW
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0489	0.0977	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 19:47	OW
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0489	0.0977	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 19:47	OW
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0489	0.0977	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 19:47	OW
105-60-2	Caprolactam	ND		mg/kg dry	0.0977	0.195	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 19:47	OW
86-74-8	Carbazole	0.184		mg/kg dry	0.0489	0.0977	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 19:47	OW
218-01-9	Chrysene	2.54		mg/kg dry	0.0489	0.0977	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 19:47	OW
53-70-3	Dibenzo(a,h)anthracene	0.571	CCV-H	mg/kg dry	0.0489	0.0977	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 19:47	OW
132-64-9	Dibenzofuran	0.224		mg/kg dry	0.0489	0.0977	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 19:47	OW
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0489	0.0977	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 19:47	OW
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0489	0.0977	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 19:47	OW
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0489	0.0977	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 19:47	OW
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0489	0.0977	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 19:47	OW
206-44-0	Fluoranthene	6.79		mg/kg dry	0.245	0.488	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/06/2020 13:55	OW
86-73-7	Fluorene	0.318		mg/kg dry	0.0489	0.0977	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 19:47	OW
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0489	0.0977	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 19:47	OW
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0489	0.0977	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 19:47	OW
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0489	0.0977	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 19:47	OW



Sample Information

Client Sample ID: MW-4 (2-7)

York Sample ID: 20A1125-01

York Project (SDG) No.

Client Project ID

Matrix

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20A1125

130 Midland Avenue, Port Chester, New York

Soil

January 30, 2020 12:00 am

01/31/2020

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0489	0.0977	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 19:47	OW
193-39-5	Indeno(1,2,3-cd)pyrene	1.32		mg/kg dry	0.0489	0.0977	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 19:47	OW
78-59-1	Isophorone	ND		mg/kg dry	0.0489	0.0977	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 19:47	OW
91-20-3	Naphthalene	0.152		mg/kg dry	0.0489	0.0977	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 19:47	OW
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0489	0.0977	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 19:47	OW
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0489	0.0977	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 19:47	OW
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0489	0.0977	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 19:47	OW
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0489	0.0977	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 19:47	OW
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0489	0.0977	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 19:47	OW
85-01-8	Phenanthrene	2.04		mg/kg dry	0.0489	0.0977	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 19:47	OW
108-95-2	Phenol	ND		mg/kg dry	0.0489	0.0977	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 19:47	OW
129-00-0	Pyrene	4.86		mg/kg dry	0.245	0.488	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/06/2020 13:55	OW
110-86-1	Pyridine	ND		mg/kg dry	0.196	0.391	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 19:47	OW
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: SURR: 2-Fluorophenol	57.2 %	20-108								
4165-62-2	Surrogate: SURR: Phenol-d5	64.2 %	23-114								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	76.8 %	22-108								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	79.4 %	21-113								
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	108 %	19-110								
1718-51-0	Surrogate: SURR: Terphenyl-d14	84.2 %	24-116								

Semi-Volatiles, 1,4-Dioxane by 8270-SIM

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
123-91-1	1,4-Dioxane	ND		ug/kg	9.43	1	EPA 8270D SIM Certifications: NELAC-NY10854	02/03/2020 08:00	02/07/2020 01:42	KH
Surrogate Recoveries		Result	Acceptance Range							
17647-74-4	Surrogate: 1,4-Dioxane-d8	40.0 %	39-83.1							



Sample Information

Client Sample ID: MW-4 (2-7)

York Sample ID: 20A1125-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1125

130 Midland Avenue, Port Chester, New York

Soil

January 30, 2020 12:00 am

01/31/2020

Pesticides, 8081 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	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:50	02/05/2020 21:10	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:50	02/05/2020 21:10	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:50	02/05/2020 21:10	CM
309-00-2	Aldrin	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:50	02/05/2020 21:10	CM
319-84-6	alpha-BHC	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:50	02/05/2020 21:10	CM
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	02/04/2020 13:50	02/05/2020 21:10	CM
319-85-7	beta-BHC	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:50	02/05/2020 21:10	CM
319-86-8	delta-BHC	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:50	02/05/2020 21:10	CM
60-57-1	Dieldrin	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:50	02/05/2020 21:10	CM
959-98-8	Endosulfan I	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:50	02/05/2020 21:10	CM
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	02/04/2020 13:50	02/05/2020 21:10	CM
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:50	02/05/2020 21:10	CM
72-20-8	Endrin	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:50	02/05/2020 21:10	CM
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:50	02/05/2020 21:10	CM
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:50	02/05/2020 21:10	CM
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:50	02/05/2020 21:10	CM
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	02/04/2020 13:50	02/05/2020 21:10	CM
76-44-8	Heptachlor	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:50	02/05/2020 21:10	CM
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:50	02/05/2020 21:10	CM
72-43-5	Methoxychlor	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:50	02/05/2020 21:10	CM
8001-35-2	Toxaphene	ND		mg/kg dry	0.193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:50	02/05/2020 21:10	CM
57-74-9	* Chlordane, total	ND		mg/kg dry	0.0386	5	EPA 8081B Certifications:	02/04/2020 13:50	02/05/2020 21:10	CM
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	45.5 %	30-150							



Sample Information

Client Sample ID: MW-4 (2-7)

York Sample ID: 20A1125-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

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20A1125

130 Midland Avenue, Port Chester, New York

Soil

January 30, 2020 12:00 am

01/31/2020

Pesticides, 8081 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
877-09-8	Surrogate: Tetrachloro-m-xylene	37.2 %			30-150					

Polychlorinated Biphenyls (PCB), 8082 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
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0195	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/04/2020 13:50	02/05/2020 13:41	SR
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0195	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/04/2020 13:50	02/05/2020 13:41	SR
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0195	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/04/2020 13:50	02/05/2020 13:41	SR
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0195	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/04/2020 13:50	02/05/2020 13:41	SR
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0195	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/04/2020 13:50	02/05/2020 13:41	SR
11097-69-1	Aroclor 1254	0.155		mg/kg dry	0.0195	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/04/2020 13:50	02/05/2020 13:41	SR
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0195	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/04/2020 13:50	02/05/2020 13:41	SR
1336-36-3	* Total PCBs	0.155		mg/kg dry	0.0195	1	EPA 8082A Certifications:	02/04/2020 13:50	02/05/2020 13:41	SR

Surrogate Recoveries		Result	Acceptance Range
877-09-8	Surrogate: Tetrachloro-m-xylene	54.5 %	30-120
2051-24-3	Surrogate: Decachlorobiphenyl	47.0 %	30-120

Herbicides, 8151 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	0.0229	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:42	02/03/2020 21:49	SR
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0229	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:42	02/03/2020 21:49	SR
94-75-7	2,4-D	ND		mg/kg dry	0.0229	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:42	02/03/2020 21:49	SR

Surrogate Recoveries		Result	Acceptance Range
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	79.2 %	21-150

Metals, Target Analyte

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: MW-4 (2-7)

York Sample ID: 20A1125-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1125

130 Midland Avenue, Port Chester, New York

Soil

January 30, 2020 12:00 am

01/31/2020

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	10300		mg/kg dry	5.87	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 09:29	02/04/2020 12:01	JAM
7440-36-0	Antimony	ND		mg/kg dry	2.94	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 09:29	02/04/2020 12:01	JAM
7440-38-2	Arsenic	7.70		mg/kg dry	1.76	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 09:29	02/04/2020 12:01	JAM
7440-39-3	Barium	115		mg/kg dry	2.94	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 09:29	02/04/2020 12:01	JAM
7440-41-7	Beryllium	ND		mg/kg dry	0.059	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 09:29	02/04/2020 12:01	JAM
7440-43-9	Cadmium	1.79		mg/kg dry	0.352	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 09:29	02/04/2020 12:01	JAM
7440-70-2	Calcium	44300		mg/kg dry	5.87	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 09:29	02/04/2020 12:01	JAM
7440-47-3	Chromium	40.9		mg/kg dry	0.587	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 09:29	02/04/2020 12:01	JAM
7440-48-4	Cobalt	10.5		mg/kg dry	0.470	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 09:29	02/04/2020 12:01	JAM
7440-50-8	Copper	63.2		mg/kg dry	2.35	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 09:29	02/04/2020 12:01	JAM
7439-89-6	Iron	42900		mg/kg dry	29.4	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 09:29	02/04/2020 12:01	JAM
7439-92-1	Lead	128		mg/kg dry	0.587	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 09:29	02/04/2020 12:01	JAM
7439-95-4	Magnesium	17400		mg/kg dry	5.87	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 09:29	02/04/2020 12:01	JAM
7439-96-5	Manganese	503		mg/kg dry	0.587	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 09:29	02/04/2020 12:01	JAM
7440-02-0	Nickel	33.9		mg/kg dry	1.17	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 09:29	02/04/2020 12:01	JAM
7440-09-7	Potassium	3790		mg/kg dry	5.87	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 09:29	02/04/2020 12:01	JAM
7782-49-2	Selenium	ND		mg/kg dry	2.94	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 09:29	02/04/2020 12:01	JAM
7440-22-4	Silver	ND		mg/kg dry	0.587	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 09:29	02/04/2020 12:01	JAM
7440-23-5	Sodium	271		mg/kg dry	58.7	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 09:29	02/04/2020 12:01	JAM
7440-28-0	Thallium	ND		mg/kg dry	2.94	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 09:29	02/04/2020 12:01	JAM
7440-62-2	Vanadium	44.7		mg/kg dry	1.17	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 09:29	02/04/2020 12:01	JAM
7440-66-6	Zinc	277		mg/kg dry	2.94	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 09:29	02/04/2020 12:01	JAM



Sample Information

Client Sample ID: MW-4 (2-7)

York Sample ID: 20A1125-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1125

130 Midland Avenue, Port Chester, New York

Soil

January 30, 2020 12:00 am

01/31/2020

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	0.918		mg/kg dry	0.0352	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	02/03/2020 10:44	02/03/2020 11:55	SY

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	85.1		%	0.100	1	SM 2540G Certifications: CTDOH	02/03/2020 16:05	02/04/2020 12:29	JAG

Sample Information

Client Sample ID: MW-5 (5-9)

York Sample ID: 20A1125-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1125

130 Midland Avenue, Port Chester, New York

Soil

January 30, 2020 12:00 am

01/31/2020

Volatiles, 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	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:01	SS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:01	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:01	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	02/03/2020 12:30	02/04/2020 05:01	SS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:01	SS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:01	SS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:01	SS
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:01	SS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:01	SS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	02/03/2020 12:30	02/04/2020 05:01	SS



Sample Information

Client Sample ID: MW-5 (5-9)

York Sample ID: 20A1125-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1125

130 Midland Avenue, Port Chester, New York

Soil

January 30, 2020 12:00 am

01/31/2020

Volatiles, 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
95-93-2	* 1,2,4,5-Tetramethylbenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications:	02/03/2020 12:30	02/04/2020 05:01	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:01	SS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:01	SS
96-12-8	1,2-Dibromo-3-chloropropane	0.0046		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:01	SS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:01	SS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:01	SS
107-06-2	1,2-Dichloroethane	0.0023	J	mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:01	SS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:01	SS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:01	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:01	SS
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:01	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:01	SS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.043	0.087	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:01	SS
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	02/03/2020 12:30	02/04/2020 05:01	SS
78-93-3	2-Butanone	0.0042	J	mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:01	SS
110-75-8	2-Chloroethylvinyl ether	ND		mg/kg dry	0.0087	0.017	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:01	SS
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:01	SS
591-78-6	2-Hexanone	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:01	SS
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:01	SS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:01	SS
67-64-1	Acetone	0.020		mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:01	SS
107-02-8	Acrolein	ND		mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:01	SS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:01	SS



Sample Information

Client Sample ID: MW-5 (5-9)

York Sample ID: 20A1125-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1125

130 Midland Avenue, Port Chester, New York

Soil

January 30, 2020 12:00 am

01/31/2020

Volatiles, 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
71-43-2	Benzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:01	SS
108-86-1	Bromobenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:01	SS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:01	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:01	SS
75-25-2	Bromoform	0.0047		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:01	SS
74-83-9	Bromomethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:01	SS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:01	SS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:01	SS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:01	SS
75-00-3	Chloroethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:01	SS
67-66-3	Chloroform	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:01	SS
74-87-3	Chloromethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:01	SS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:01	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:01	SS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:01	SS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:01	SS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:01	SS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:01	SS
108-20-3	* Diisopropyl ether (DIPE)	ND		mg/kg dry	0.0035	0.0070	1	EPA 8260C Certifications:	02/03/2020 12:30	02/04/2020 05:01	SS
64-17-5	* Ethanol	ND		mg/kg dry	0.035	0.070	1	EPA 8260C Certifications:	02/03/2020 12:30	02/04/2020 05:01	SS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:01	SS
637-92-3	* Ethyl tert-butyl ether (ETBE)	ND		mg/kg dry	0.0035	0.0070	1	EPA 8260C Certifications:	02/03/2020 12:30	02/04/2020 05:01	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:01	SS



Sample Information

Client Sample ID: MW-5 (5-9)

York Sample ID: 20A1125-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1125

130 Midland Avenue, Port Chester, New York

Soil

January 30, 2020 12:00 am

01/31/2020

Volatiles, 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
74-88-4	* Iodomethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications:	02/03/2020 12:30	02/04/2020 05:01	SS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:01	SS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:01	SS
80-62-6	Methyl Methacrylate	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	02/03/2020 12:30	02/04/2020 05:01	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:01	SS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:01	SS
75-09-2	Methylene chloride	ND		mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:01	SS
91-20-3	Naphthalene	ND		mg/kg dry	0.0022	0.0087	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:01	SS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:01	SS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:01	SS
95-47-6	o-Xylene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:01	SS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:01	SS
105-05-5	* p-Diethylbenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications:	02/03/2020 12:30	02/04/2020 05:01	SS
622-96-8	* p-Ethyltoluene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications:	02/03/2020 12:30	02/04/2020 05:01	SS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:01	SS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:01	SS
100-42-5	Styrene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:01	SS
75-85-4	* tert-Amyl alcohol (TAA)	ND		mg/kg dry	0.035	0.070	1	EPA 8260C Certifications:	02/03/2020 12:30	02/04/2020 05:01	SS
994-05-8	* tert-Amyl methyl ether (TAME)	ND		mg/kg dry	0.0035	0.0070	1	EPA 8260C Certifications:	02/03/2020 12:30	02/04/2020 05:01	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:01	SS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:01	SS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:01	SS
109-99-9	* Tetrahydrofuran	ND		mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications:	02/03/2020 12:30	02/04/2020 05:01	SS



Sample Information

Client Sample ID: MW-5 (5-9)

York Sample ID: 20A1125-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1125

130 Midland Avenue, Port Chester, New York

Soil

January 30, 2020 12:00 am

01/31/2020

Volatiles, 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
108-88-3	Toluene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:01	SS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:01	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:01	SS
110-57-6	* trans-1,4-dichloro-2-butene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH	02/03/2020 12:30	02/04/2020 05:01	SS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:01	SS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:01	SS
108-05-4	Vinyl acetate	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:01	SS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:01	SS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0065	0.013	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	02/03/2020 12:30	02/04/2020 05:01	SS
107-05-1	* Allyl chloride	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications:	02/03/2020 12:30	02/04/2020 05:01	SS
Surrogate Recoveries		Result		Acceptance Range							
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	104 %				77-125					
2037-26-5	Surrogate: SURR: Toluene-d8	95.3 %				85-120					
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	93.9 %				76-130					

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

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	0.0509	0.101	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 20:19	OW
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.101	0.203	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 20:19	OW
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0509	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 20:19	OW
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0509	0.101	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/05/2020 07:43	02/05/2020 20:19	OW
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0509	0.101	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 20:19	OW
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0509	0.101	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/05/2020 07:43	02/05/2020 20:19	OW
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0509	0.101	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/05/2020 07:43	02/05/2020 20:19	OW



Sample Information

Client Sample ID: MW-5 (5-9)

York Sample ID: 20A1125-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1125

130 Midland Avenue, Port Chester, New York

Soil

January 30, 2020 12:00 am

01/31/2020

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.101	0.203	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 20:19	OW
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0509	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 20:19	OW
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0509	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 20:19	OW
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0509	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 20:19	OW
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0509	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 20:19	OW
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.101	0.203	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 20:19	OW
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0509	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 20:19	OW
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0509	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 20:19	OW
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0509	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 20:19	OW
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0509	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 20:19	OW
91-57-6	2-Methylnaphthalene	0.0600	J	mg/kg dry	0.0509	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 20:19	OW
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0509	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 20:19	OW
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.101	0.203	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 20:19	OW
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0509	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 20:19	OW
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0509	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 20:19	OW
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0509	0.101	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 20:19	OW
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.101	0.203	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 20:19	OW
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.101	0.203	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 20:19	OW
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0509	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 20:19	OW
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0509	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 20:19	OW
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0509	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 20:19	OW
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0509	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 20:19	OW
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.101	0.203	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 20:19	OW



Sample Information

Client Sample ID: MW-5 (5-9)

York Sample ID: 20A1125-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1125

130 Midland Avenue, Port Chester, New York

Soil

January 30, 2020 12:00 am

01/31/2020

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.101	0.203	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 20:19	OW
83-32-9	Acenaphthene	0.0608	J	mg/kg dry	0.0509	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 20:19	OW
208-96-8	Acenaphthylene	0.189		mg/kg dry	0.0509	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 20:19	OW
98-86-2	Acetophenone	ND		mg/kg dry	0.0509	0.101	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 20:19	OW
62-53-3	Aniline	ND		mg/kg dry	0.203	0.406	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 20:19	OW
120-12-7	Anthracene	0.266		mg/kg dry	0.0509	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 20:19	OW
1912-24-9	Atrazine	ND		mg/kg dry	0.0509	0.101	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 20:19	OW
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0509	0.101	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 20:19	OW
92-87-5	Benzidine	ND		mg/kg dry	0.203	0.406	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	02/05/2020 07:43	02/05/2020 20:19	OW
56-55-3	Benzo(a)anthracene	0.697		mg/kg dry	0.0509	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 20:19	OW
50-32-8	Benzo(a)pyrene	0.873		mg/kg dry	0.0509	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 20:19	OW
205-99-2	Benzo(b)fluoranthene	0.674		mg/kg dry	0.0509	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 20:19	OW
191-24-2	Benzo(g,h,i)perylene	0.504		mg/kg dry	0.0509	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 20:19	OW
207-08-9	Benzo(k)fluoranthene	0.610		mg/kg dry	0.0509	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 20:19	OW
65-85-0	Benzoic acid	ND		mg/kg dry	0.0509	0.101	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 20:19	OW
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0509	0.101	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 20:19	OW
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0509	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 20:19	OW
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0509	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 20:19	OW
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0509	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 20:19	OW
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0509	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 20:19	OW
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0509	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 20:19	OW
105-60-2	Caprolactam	ND		mg/kg dry	0.101	0.203	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 20:19	OW
86-74-8	Carbazole	0.0568	J	mg/kg dry	0.0509	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 20:19	OW



Sample Information

Client Sample ID: MW-5 (5-9)

York Sample ID: 20A1125-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1125

130 Midland Avenue, Port Chester, New York

Soil

January 30, 2020 12:00 am

01/31/2020

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
218-01-9	Chrysene	0.676		mg/kg dry	0.0509	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 20:19	OW
53-70-3	Dibenzo(a,h)anthracene	0.221	CCV-H	mg/kg dry	0.0509	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 20:19	OW
132-64-9	Dibenzofuran	0.0511	J	mg/kg dry	0.0509	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 20:19	OW
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0509	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 20:19	OW
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0509	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 20:19	OW
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0509	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 20:19	OW
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0509	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 20:19	OW
206-44-0	Fluoranthene	1.42		mg/kg dry	0.0509	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 20:19	OW
86-73-7	Fluorene	0.0754	J	mg/kg dry	0.0509	0.101	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 20:19	OW
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0509	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 20:19	OW
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0509	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 20:19	OW
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0509	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 20:19	OW
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0509	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 20:19	OW
193-39-5	Indeno(1,2,3-cd)pyrene	0.488		mg/kg dry	0.0509	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 20:19	OW
78-59-1	Isophorone	ND		mg/kg dry	0.0509	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 20:19	OW
91-20-3	Naphthalene	ND		mg/kg dry	0.0509	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 20:19	OW
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0509	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 20:19	OW
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0509	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 20:19	OW
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0509	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 20:19	OW
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0509	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 20:19	OW
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0509	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 20:19	OW
85-01-8	Phenanthrene	0.792		mg/kg dry	0.0509	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 20:19	OW
108-95-2	Phenol	ND		mg/kg dry	0.0509	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 20:19	OW



Sample Information

Client Sample ID: MW-5 (5-9)

York Sample ID: 20A1125-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1125

130 Midland Avenue, Port Chester, New York

Soil

January 30, 2020 12:00 am

01/31/2020

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
129-00-0	Pyrene	1.01	CCV-L	mg/kg dry	0.0509	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 20:19	OW
110-86-1	Pyridine	ND		mg/kg dry	0.203	0.406	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 20:19	OW
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: SURR: 2-Fluorophenol	50.0 %	20-108								
4165-62-2	Surrogate: SURR: Phenol-d5	59.1 %	23-114								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	69.8 %	22-108								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	65.0 %	21-113								
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	108 %	19-110								
1718-51-0	Surrogate: SURR: Terphenyl-d14	75.4 %	24-116								

Semi-Volatiles, 1,4-Dioxane by 8270-SIM

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
123-91-1	1,4-Dioxane	ND		ug/kg	9.90	1	EPA 8270D SIM Certifications: NELAC-NY10854	02/03/2020 08:00	02/07/2020 01:59	KH
Surrogate Recoveries		Result	Acceptance Range							
17647-74-4	Surrogate: 1,4-Dioxane-d8	40.0 %	39-83.1							

Pesticides, 8081 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	0.00204	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:50	02/05/2020 21:27	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00204	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:50	02/05/2020 21:27	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00204	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:50	02/05/2020 21:27	CM
309-00-2	Aldrin	ND		mg/kg dry	0.00204	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:50	02/05/2020 21:27	CM
319-84-6	alpha-BHC	ND		mg/kg dry	0.00204	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:50	02/05/2020 21:27	CM
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00204	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	02/04/2020 13:50	02/05/2020 21:27	CM
319-85-7	beta-BHC	ND		mg/kg dry	0.00204	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:50	02/05/2020 21:27	CM
319-86-8	delta-BHC	ND		mg/kg dry	0.00204	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:50	02/05/2020 21:27	CM



Sample Information

Client Sample ID: MW-5 (5-9)

York Sample ID: 20A1125-02

York Project (SDG) No.

Client Project ID

Matrix

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20A1125

130 Midland Avenue, Port Chester, New York

Soil

January 30, 2020 12:00 am

01/31/2020

Pesticides, 8081 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
60-57-1	Dieldrin	ND		mg/kg dry	0.00204	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:50	02/05/2020 21:27	CM
959-98-8	Endosulfan I	ND		mg/kg dry	0.00204	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:50	02/05/2020 21:27	CM
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00204	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	02/04/2020 13:50	02/05/2020 21:27	CM
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00204	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:50	02/05/2020 21:27	CM
72-20-8	Endrin	ND		mg/kg dry	0.00204	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:50	02/05/2020 21:27	CM
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00204	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:50	02/05/2020 21:27	CM
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00204	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:50	02/05/2020 21:27	CM
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00204	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:50	02/05/2020 21:27	CM
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00204	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	02/04/2020 13:50	02/05/2020 21:27	CM
76-44-8	Heptachlor	ND		mg/kg dry	0.00204	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:50	02/05/2020 21:27	CM
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00204	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:50	02/05/2020 21:27	CM
72-43-5	Methoxychlor	ND		mg/kg dry	0.00204	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:50	02/05/2020 21:27	CM
8001-35-2	Toxaphene	ND		mg/kg dry	0.204	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:50	02/05/2020 21:27	CM
57-74-9	* Chlordane, total	ND		mg/kg dry	0.0408	5	EPA 8081B Certifications:	02/04/2020 13:50	02/05/2020 21:27	CM
Surrogate Recoveries		Result		Acceptance Range						
2051-24-3	Surrogate: Decachlorobiphenyl	35.2 %		30-150						
877-09-8	Surrogate: Tetrachloro-m-xylene	25.0 %	S-GC	30-150						

Polychlorinated Biphenyls (PCB), 8082 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
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0206	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/04/2020 13:50	02/05/2020 12:19	SR
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0206	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/04/2020 13:50	02/05/2020 12:19	SR
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0206	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/04/2020 13:50	02/05/2020 12:19	SR
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0206	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/04/2020 13:50	02/05/2020 12:19	SR



Sample Information

Client Sample ID: MW-5 (5-9)

York Sample ID: 20A1125-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1125

130 Midland Avenue, Port Chester, New York

Soil

January 30, 2020 12:00 am

01/31/2020

Polychlorinated Biphenyls (PCB), 8082 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
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0206	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/04/2020 13:50	02/05/2020 12:19	SR
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0206	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/04/2020 13:50	02/05/2020 12:19	SR
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0206	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/04/2020 13:50	02/05/2020 12:19	SR
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0206	1	EPA 8082A Certifications:	02/04/2020 13:50	02/05/2020 12:19	SR
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	37.0 %		30-120						
2051-24-3	Surrogate: Decachlorobiphenyl	32.0 %		30-120						

Herbicides, 8151 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	0.0246	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:42	02/03/2020 21:59	SR
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0246	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:42	02/03/2020 21:59	SR
94-75-7	2,4-D	ND		mg/kg dry	0.0246	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:42	02/03/2020 21:59	SR
Surrogate Recoveries		Result		Acceptance Range						
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	73.4 %		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	12600		mg/kg dry	6.22	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 09:29	02/04/2020 12:03	JAM
7440-36-0	Antimony	ND		mg/kg dry	3.11	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 09:29	02/04/2020 12:03	JAM
7440-38-2	Arsenic	12.5		mg/kg dry	1.87	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 09:29	02/04/2020 12:03	JAM
7440-39-3	Barium	193		mg/kg dry	3.11	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 09:29	02/04/2020 12:03	JAM
7440-41-7	Beryllium	ND		mg/kg dry	0.062	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 09:29	02/04/2020 12:03	JAM
7440-43-9	Cadmium	3.70		mg/kg dry	0.373	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 09:29	02/04/2020 12:03	JAM



Sample Information

Client Sample ID: MW-5 (5-9)

York Sample ID: 20A1125-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1125

130 Midland Avenue, Port Chester, New York

Soil

January 30, 2020 12:00 am

01/31/2020

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
7440-70-2	Calcium	18000		mg/kg dry	6.22	1	EPA 6010D	02/03/2020 09:29	02/04/2020 12:03	JAM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	Chromium	34.3		mg/kg dry	0.622	1	EPA 6010D	02/03/2020 09:29	02/04/2020 12:03	JAM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	Cobalt	18.1		mg/kg dry	0.498	1	EPA 6010D	02/03/2020 09:29	02/04/2020 12:03	JAM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	Copper	144		mg/kg dry	2.49	1	EPA 6010D	02/03/2020 09:29	02/04/2020 12:03	JAM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	Iron	34700		mg/kg dry	31.1	1	EPA 6010D	02/03/2020 09:29	02/04/2020 12:03	JAM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	Lead	239		mg/kg dry	0.622	1	EPA 6010D	02/03/2020 09:29	02/04/2020 12:03	JAM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	Magnesium	5390		mg/kg dry	6.22	1	EPA 6010D	02/03/2020 09:29	02/04/2020 12:03	JAM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	Manganese	277		mg/kg dry	0.622	1	EPA 6010D	02/03/2020 09:29	02/04/2020 12:03	JAM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	Nickel	46.3		mg/kg dry	1.24	1	EPA 6010D	02/03/2020 09:29	02/04/2020 12:03	JAM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	Potassium	2460		mg/kg dry	6.22	1	EPA 6010D	02/03/2020 09:29	02/04/2020 12:03	JAM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	3.11	1	EPA 6010D	02/03/2020 09:29	02/04/2020 12:03	JAM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.622	1	EPA 6010D	02/03/2020 09:29	02/04/2020 12:03	JAM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	Sodium	436		mg/kg dry	62.2	1	EPA 6010D	02/03/2020 09:29	02/04/2020 12:03	JAM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-28-0	Thallium	ND		mg/kg dry	3.11	1	EPA 6010D	02/03/2020 09:29	02/04/2020 12:03	JAM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	Vanadium	35.1		mg/kg dry	1.24	1	EPA 6010D	02/03/2020 09:29	02/04/2020 12:03	JAM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	Zinc	375		mg/kg dry	3.11	1	EPA 6010D	02/03/2020 09:29	02/04/2020 12:03	JAM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

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	0.451		mg/kg dry	0.0373	1	EPA 7473	02/03/2020 10:44	02/03/2020 12:05	SY
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

Total Solids

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: MW-5 (5-9)

York Sample ID: 20A1125-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1125

130 Midland Avenue, Port Chester, New York

Soil

January 30, 2020 12:00 am

01/31/2020

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	80.3		%	0.100	1	SM 2540G Certifications: CTDOH	02/03/2020 16:08	02/04/2020 12:33	JAG

Sample Information

Client Sample ID: GB-9 (8-12)

York Sample ID: 20A1125-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1125

130 Midland Avenue, Port Chester, New York

Soil

January 30, 2020 12:00 am

01/31/2020

Volatiles, 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	0.0043	0.0087	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:26	SS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:26	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:26	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	02/03/2020 12:30	02/04/2020 05:26	SS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:26	SS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:26	SS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:26	SS
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:26	SS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:26	SS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	02/03/2020 12:30	02/04/2020 05:26	SS
95-93-2	* 1,2,4,5-Tetramethylbenzene	ND		mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications:	02/03/2020 12:30	02/04/2020 05:26	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:26	SS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:26	SS
96-12-8	1,2-Dibromo-3-chloropropane	0.0098		mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:26	SS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:26	SS



Sample Information

Client Sample ID: GB-9 (8-12)

York Sample ID: 20A1125-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1125

130 Midland Avenue, Port Chester, New York

Soil

January 30, 2020 12:00 am

01/31/2020

Volatiles, 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
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:26	SS
107-06-2	1,2-Dichloroethane	0.0048	J	mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:26	SS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:26	SS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:26	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:26	SS
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:26	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:26	SS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.087	0.17	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:26	SS
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	02/03/2020 12:30	02/04/2020 05:26	SS
78-93-3	2-Butanone	0.020		mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:26	SS
110-75-8	2-Chloroethylvinyl ether	ND		mg/kg dry	0.017	0.035	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:26	SS
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:26	SS
591-78-6	2-Hexanone	ND		mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:26	SS
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:26	SS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:26	SS
67-64-1	Acetone	0.076		mg/kg dry	0.0087	0.017	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:26	SS
107-02-8	Acrolein	ND		mg/kg dry	0.0087	0.017	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:26	SS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:26	SS
71-43-2	Benzene	ND		mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:26	SS
108-86-1	Bromobenzene	ND		mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:26	SS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:26	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:26	SS
75-25-2	Bromoform	0.0096		mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:26	SS



Sample Information

Client Sample ID: GB-9 (8-12)

York Sample ID: 20A1125-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1125

130 Midland Avenue, Port Chester, New York

Soil

January 30, 2020 12:00 am

01/31/2020

Volatiles, 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
74-83-9	Bromomethane	ND		mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications:	02/03/2020 12:30	02/04/2020 05:26	SS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications:	02/03/2020 12:30	02/04/2020 05:26	SS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications:	02/03/2020 12:30	02/04/2020 05:26	SS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications:	02/03/2020 12:30	02/04/2020 05:26	SS
75-00-3	Chloroethane	ND		mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications:	02/03/2020 12:30	02/04/2020 05:26	SS
67-66-3	Chloroform	ND		mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications:	02/03/2020 12:30	02/04/2020 05:26	SS
74-87-3	Chloromethane	ND		mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications:	02/03/2020 12:30	02/04/2020 05:26	SS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications:	02/03/2020 12:30	02/04/2020 05:26	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications:	02/03/2020 12:30	02/04/2020 05:26	SS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications:	02/03/2020 12:30	02/04/2020 05:26	SS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications:	02/03/2020 12:30	02/04/2020 05:26	SS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications:	02/03/2020 12:30	02/04/2020 05:26	SS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications:	02/03/2020 12:30	02/04/2020 05:26	SS
108-20-3	* Diisopropyl ether (DIPE)	ND		mg/kg dry	0.0069	0.014	1	EPA 8260C Certifications:	02/03/2020 12:30	02/04/2020 05:26	SS
64-17-5	* Ethanol	ND		mg/kg dry	0.069	0.14	1	EPA 8260C Certifications:	02/03/2020 12:30	02/04/2020 05:26	SS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications:	02/03/2020 12:30	02/04/2020 05:26	SS
637-92-3	* Ethyl tert-butyl ether (ETBE)	ND		mg/kg dry	0.0069	0.014	1	EPA 8260C Certifications:	02/03/2020 12:30	02/04/2020 05:26	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications:	02/03/2020 12:30	02/04/2020 05:26	SS
74-88-4	* Iodomethane	ND		mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications:	02/03/2020 12:30	02/04/2020 05:26	SS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications:	02/03/2020 12:30	02/04/2020 05:26	SS
79-20-9	Methyl acetate	0.039		mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications:	02/03/2020 12:30	02/04/2020 05:26	SS
80-62-6	Methyl Methacrylate	ND		mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications:	02/03/2020 12:30	02/04/2020 05:26	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications:	02/03/2020 12:30	02/04/2020 05:26	SS



Sample Information

Client Sample ID: GB-9 (8-12)

York Sample ID: 20A1125-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1125

130 Midland Avenue, Port Chester, New York

Soil

January 30, 2020 12:00 am

01/31/2020

Volatiles, 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
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications:	02/03/2020 12:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 05:26	SS
75-09-2	Methylene chloride	ND		mg/kg dry	0.0087	0.017	1	EPA 8260C Certifications:	02/03/2020 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 05:26	SS
91-20-3	Naphthalene	ND		mg/kg dry	0.0043	0.017	1	EPA 8260C Certifications:	02/03/2020 12:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 05:26	SS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications:	02/03/2020 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 05:26	SS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications:	02/03/2020 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 05:26	SS
95-47-6	o-Xylene	ND		mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications:	02/03/2020 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 05:26	SS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0087	0.017	1	EPA 8260C Certifications:	02/03/2020 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 05:26	SS
105-05-5	* p-Diethylbenzene	ND		mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications:	02/03/2020 12:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 05:26	SS
622-96-8	* p-Ethyltoluene	ND		mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications:	02/03/2020 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 05:26	SS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications:	02/03/2020 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 05:26	SS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications:	02/03/2020 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 05:26	SS
100-42-5	Styrene	ND		mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications:	02/03/2020 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 05:26	SS
75-85-4	* tert-Amyl alcohol (TAA)	ND		mg/kg dry	0.069	0.14	1	EPA 8260C Certifications:	02/03/2020 12:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 05:26	SS
994-05-8	* tert-Amyl methyl ether (TAME)	ND		mg/kg dry	0.0069	0.014	1	EPA 8260C Certifications:	02/03/2020 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 05:26	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications:	02/03/2020 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 05:26	SS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications:	02/03/2020 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 05:26	SS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications:	02/03/2020 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 05:26	SS
109-99-9	* Tetrahydrofuran	ND		mg/kg dry	0.0087	0.017	1	EPA 8260C Certifications:	02/03/2020 12:30 CTDOH	02/04/2020 05:26	SS
108-88-3	Toluene	ND		mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications:	02/03/2020 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 05:26	SS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications:	02/03/2020 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 05:26	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications:	02/03/2020 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 05:26	SS
110-57-6	* trans-1,4-dichloro-2-butene	ND		mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications:	02/03/2020 12:30 CTDOH	02/04/2020 05:26	SS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications:	02/03/2020 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 05:26	SS



Sample Information

Client Sample ID: GB-9 (8-12)

York Sample ID: 20A1125-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1125

130 Midland Avenue, Port Chester, New York

Soil

January 30, 2020 12:00 am

01/31/2020

Volatiles, 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	0.0043	0.0087	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:26	SS
108-05-4	Vinyl acetate	ND		mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:26	SS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:26	SS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.013	0.026	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	02/03/2020 12:30	02/04/2020 05:26	SS
107-05-1	* Allyl chloride	0.039		mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications:	02/03/2020 12:30	02/04/2020 05:26	SS
Surrogate Recoveries		Result		Acceptance Range							
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	108 %		77-125							
2037-26-5	Surrogate: SURR: Toluene-d8	95.9 %		85-120							
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	99.9 %		76-130							

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

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	0.0806	0.161	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 20:50	OW
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.161	0.321	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 20:50	OW
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0806	0.161	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 20:50	OW
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0806	0.161	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/05/2020 07:43	02/05/2020 20:50	OW
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0806	0.161	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 20:50	OW
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0806	0.161	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/05/2020 07:43	02/05/2020 20:50	OW
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0806	0.161	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/05/2020 07:43	02/05/2020 20:50	OW
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.161	0.321	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 20:50	OW
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0806	0.161	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 20:50	OW
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0806	0.161	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 20:50	OW
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0806	0.161	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 20:50	OW
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0806	0.161	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 20:50	OW



Sample Information

Client Sample ID: GB-9 (8-12)

York Sample ID: 20A1125-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1125

130 Midland Avenue, Port Chester, New York

Soil

January 30, 2020 12:00 am

01/31/2020

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.161	0.321	2	EPA 8270D Certifications:	02/05/2020 07:43 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 20:50	OW
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0806	0.161	2	EPA 8270D Certifications:	02/05/2020 07:43 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 20:50	OW
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0806	0.161	2	EPA 8270D Certifications:	02/05/2020 07:43 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 20:50	OW
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0806	0.161	2	EPA 8270D Certifications:	02/05/2020 07:43 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 20:50	OW
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0806	0.161	2	EPA 8270D Certifications:	02/05/2020 07:43 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 20:50	OW
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0806	0.161	2	EPA 8270D Certifications:	02/05/2020 07:43 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 20:50	OW
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0806	0.161	2	EPA 8270D Certifications:	02/05/2020 07:43 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 20:50	OW
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.161	0.321	2	EPA 8270D Certifications:	02/05/2020 07:43 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 20:50	OW
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0806	0.161	2	EPA 8270D Certifications:	02/05/2020 07:43 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 20:50	OW
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0806	0.161	2	EPA 8270D Certifications:	02/05/2020 07:43 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 20:50	OW
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0806	0.161	2	EPA 8270D Certifications:	02/05/2020 07:43 NELAC-NY10854,NJDEP,PADEP	02/05/2020 20:50	OW
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.161	0.321	2	EPA 8270D Certifications:	02/05/2020 07:43 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 20:50	OW
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.161	0.321	2	EPA 8270D Certifications:	02/05/2020 07:43 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 20:50	OW
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0806	0.161	2	EPA 8270D Certifications:	02/05/2020 07:43 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 20:50	OW
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0806	0.161	2	EPA 8270D Certifications:	02/05/2020 07:43 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 20:50	OW
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0806	0.161	2	EPA 8270D Certifications:	02/05/2020 07:43 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 20:50	OW
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0806	0.161	2	EPA 8270D Certifications:	02/05/2020 07:43 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 20:50	OW
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.161	0.321	2	EPA 8270D Certifications:	02/05/2020 07:43 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 20:50	OW
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.161	0.321	2	EPA 8270D Certifications:	02/05/2020 07:43 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 20:50	OW
83-32-9	Acenaphthene	ND		mg/kg dry	0.0806	0.161	2	EPA 8270D Certifications:	02/05/2020 07:43 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 20:50	OW
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0806	0.161	2	EPA 8270D Certifications:	02/05/2020 07:43 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 20:50	OW
98-86-2	Acetophenone	ND		mg/kg dry	0.0806	0.161	2	EPA 8270D Certifications:	02/05/2020 07:43 NELAC-NY10854,NJDEP,PADEP	02/05/2020 20:50	OW
62-53-3	Aniline	ND		mg/kg dry	0.322	0.644	2	EPA 8270D Certifications:	02/05/2020 07:43 NELAC-NY10854,NJDEP,PADEP	02/05/2020 20:50	OW



Sample Information

Client Sample ID: GB-9 (8-12)

York Sample ID: 20A1125-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1125

130 Midland Avenue, Port Chester, New York

Soil

January 30, 2020 12:00 am

01/31/2020

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

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	0.0806	0.161	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 20:50	OW
1912-24-9	Atrazine	ND		mg/kg dry	0.0806	0.161	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 20:50	OW
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0806	0.161	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 20:50	OW
92-87-5	Benzidine	ND		mg/kg dry	0.322	0.644	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	02/05/2020 07:43	02/05/2020 20:50	OW
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0806	0.161	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 20:50	OW
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0806	0.161	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 20:50	OW
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0806	0.161	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 20:50	OW
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0806	0.161	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 20:50	OW
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0806	0.161	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 20:50	OW
65-85-0	Benzoic acid	ND		mg/kg dry	0.0806	0.161	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 20:50	OW
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0806	0.161	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 20:50	OW
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0806	0.161	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 20:50	OW
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0806	0.161	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 20:50	OW
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0806	0.161	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 20:50	OW
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0806	0.161	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 20:50	OW
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0806	0.161	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 20:50	OW
105-60-2	Caprolactam	ND		mg/kg dry	0.161	0.321	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 20:50	OW
86-74-8	Carbazole	ND		mg/kg dry	0.0806	0.161	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 20:50	OW
218-01-9	Chrysene	ND		mg/kg dry	0.0806	0.161	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 20:50	OW
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0806	0.161	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 20:50	OW
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0806	0.161	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 20:50	OW
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0806	0.161	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 20:50	OW
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0806	0.161	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 20:50	OW



Sample Information

Client Sample ID: GB-9 (8-12)

York Sample ID: 20A1125-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1125

130 Midland Avenue, Port Chester, New York

Soil

January 30, 2020 12:00 am

01/31/2020

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

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	0.0806	0.161	2	EPA 8270D Certifications:	02/05/2020 07:43 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 20:50	OW
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0806	0.161	2	EPA 8270D Certifications:	02/05/2020 07:43 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 20:50	OW
206-44-0	Fluoranthene	ND		mg/kg dry	0.0806	0.161	2	EPA 8270D Certifications:	02/05/2020 07:43 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 20:50	OW
86-73-7	Fluorene	ND		mg/kg dry	0.0806	0.161	2	EPA 8270D Certifications:	02/05/2020 07:43 NELAC-NY10854,NJDEP,PADEP	02/05/2020 20:50	OW
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0806	0.161	2	EPA 8270D Certifications:	02/05/2020 07:43 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 20:50	OW
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0806	0.161	2	EPA 8270D Certifications:	02/05/2020 07:43 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 20:50	OW
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0806	0.161	2	EPA 8270D Certifications:	02/05/2020 07:43 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 20:50	OW
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0806	0.161	2	EPA 8270D Certifications:	02/05/2020 07:43 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 20:50	OW
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0806	0.161	2	EPA 8270D Certifications:	02/05/2020 07:43 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 20:50	OW
78-59-1	Isophorone	ND		mg/kg dry	0.0806	0.161	2	EPA 8270D Certifications:	02/05/2020 07:43 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 20:50	OW
91-20-3	Naphthalene	ND		mg/kg dry	0.0806	0.161	2	EPA 8270D Certifications:	02/05/2020 07:43 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 20:50	OW
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0806	0.161	2	EPA 8270D Certifications:	02/05/2020 07:43 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 20:50	OW
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0806	0.161	2	EPA 8270D Certifications:	02/05/2020 07:43 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 20:50	OW
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0806	0.161	2	EPA 8270D Certifications:	02/05/2020 07:43 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 20:50	OW
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0806	0.161	2	EPA 8270D Certifications:	02/05/2020 07:43 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 20:50	OW
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0806	0.161	2	EPA 8270D Certifications:	02/05/2020 07:43 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 20:50	OW
85-01-8	Phenanthrene	ND		mg/kg dry	0.0806	0.161	2	EPA 8270D Certifications:	02/05/2020 07:43 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 20:50	OW
108-95-2	Phenol	ND		mg/kg dry	0.0806	0.161	2	EPA 8270D Certifications:	02/05/2020 07:43 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 20:50	OW
129-00-0	Pyrene	ND	CCV-L	mg/kg dry	0.0806	0.161	2	EPA 8270D Certifications:	02/05/2020 07:43 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 20:50	OW
110-86-1	Pyridine	ND		mg/kg dry	0.322	0.644	2	EPA 8270D Certifications:	02/05/2020 07:43 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 20:50	OW
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: SURR: 2-Fluorophenol	61.6 %	20-108								
4165-62-2	Surrogate: SURR: Phenol-d5	67.1 %	23-114								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	75.4 %	22-108								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	71.3 %	21-113								



Sample Information

Client Sample ID: GB-9 (8-12)

York Sample ID: 20A1125-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1125

130 Midland Avenue, Port Chester, New York

Soil

January 30, 2020 12:00 am

01/31/2020

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	107 %			19-110						
1718-51-0	Surrogate: SURR: Terphenyl-d14	73.6 %			24-116						

Semi-Volatiles, 1,4-Dioxane by 8270-SIM

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
123-91-1	1,4-Dioxane	ND		ug/kg	9.62	1	EPA 8270D SIM Certifications: NELAC-NY10854	02/03/2020 08:00	02/07/2020 02:17	KH
Surrogate Recoveries		Result		Acceptance Range						
17647-74-4	Surrogate: 1,4-Dioxane-d8	40.0 %		39-83.1						

Pesticides, 8081 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	0.00318	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 14:33	02/06/2020 07:41	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00318	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 14:33	02/06/2020 07:41	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00318	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 14:33	02/06/2020 07:41	CM
309-00-2	Aldrin	ND		mg/kg dry	0.00318	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 14:33	02/06/2020 07:41	CM
319-84-6	alpha-BHC	ND		mg/kg dry	0.00318	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 14:33	02/06/2020 07:41	CM
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00318	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	02/05/2020 14:33	02/06/2020 07:41	CM
319-85-7	beta-BHC	ND		mg/kg dry	0.00318	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 14:33	02/06/2020 07:41	CM
319-86-8	delta-BHC	ND		mg/kg dry	0.00318	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 14:33	02/06/2020 07:41	CM
60-57-1	Dieldrin	ND		mg/kg dry	0.00318	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 14:33	02/06/2020 07:41	CM
959-98-8	Endosulfan I	ND		mg/kg dry	0.00318	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 14:33	02/06/2020 07:41	CM
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00318	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	02/05/2020 14:33	02/06/2020 07:41	CM
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00318	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 14:33	02/06/2020 07:41	CM
72-20-8	Endrin	ND		mg/kg dry	0.00318	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 14:33	02/06/2020 07:41	CM



Sample Information

Client Sample ID: GB-9 (8-12)

York Sample ID: 20A1125-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1125

130 Midland Avenue, Port Chester, New York

Soil

January 30, 2020 12:00 am

01/31/2020

Pesticides, 8081 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
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00318	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 14:33	02/06/2020 07:41	CM
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00318	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 14:33	02/06/2020 07:41	CM
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00318	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 14:33	02/06/2020 07:41	CM
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00318	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	02/05/2020 14:33	02/06/2020 07:41	CM
76-44-8	Heptachlor	ND		mg/kg dry	0.00318	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 14:33	02/06/2020 07:41	CM
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00318	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 14:33	02/06/2020 07:41	CM
72-43-5	Methoxychlor	ND		mg/kg dry	0.00318	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 14:33	02/06/2020 07:41	CM
8001-35-2	Toxaphene	ND		mg/kg dry	0.318	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 14:33	02/06/2020 07:41	CM
57-74-9	* Chlordane, total	ND		mg/kg dry	0.0637	5	EPA 8081B Certifications:	02/05/2020 14:33	02/06/2020 07:41	CM
Surrogate Recoveries		Result		Acceptance Range						
2051-24-3	Surrogate: Decachlorobiphenyl	28.1 %	S-GC	30-150						
877-09-8	Surrogate: Tetrachloro-m-xylene	49.4 %		30-150						

Polychlorinated Biphenyls (PCB), 8082 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
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0321	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/05/2020 14:33	02/06/2020 11:56	SR
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0321	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/05/2020 14:33	02/06/2020 11:56	SR
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0321	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/05/2020 14:33	02/06/2020 11:56	SR
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0321	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/05/2020 14:33	02/06/2020 11:56	SR
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0321	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/05/2020 14:33	02/06/2020 11:56	SR
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0321	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/05/2020 14:33	02/06/2020 11:56	SR
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0321	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/05/2020 14:33	02/06/2020 11:56	SR
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0321	1	EPA 8082A Certifications:	02/05/2020 14:33	02/06/2020 11:56	SR
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	48.0 %		30-120						
2051-24-3	Surrogate: Decachlorobiphenyl	30.0 %		30-120						

Sample Information

Client Sample ID: **GB-9 (8-12)**

York Sample ID: 20A1125-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1125

130 Midland Avenue, Port Chester, New York

Soil

January 30, 2020 12:00 am

01/31/2020

Herbicides, 8151 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	0.0381	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:42	02/03/2020 22:10	SR
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0381	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:42	02/03/2020 22:10	SR
94-75-7	2,4-D	ND		mg/kg dry	0.0381	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:42	02/03/2020 22:10	SR
19719-28-9	Surrogate Recoveries <i>Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)</i>	Result 72.2 %		Acceptance Range 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	12900		mg/kg dry	9.68	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 09:29	02/04/2020 12:05	JAM
7440-36-0	Antimony	ND		mg/kg dry	4.84	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 09:29	02/04/2020 12:05	JAM
7440-38-2	Arsenic	ND		mg/kg dry	2.90	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 09:29	02/04/2020 12:05	JAM
7440-39-3	Barium	75.5		mg/kg dry	4.84	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 09:29	02/04/2020 12:05	JAM
7440-41-7	Beryllium	ND		mg/kg dry	0.097	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 09:29	02/04/2020 12:05	JAM
7440-43-9	Cadmium	ND		mg/kg dry	0.581	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 09:29	02/04/2020 12:05	JAM
7440-70-2	Calcium	3520		mg/kg dry	9.68	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 09:29	02/04/2020 12:05	JAM
7440-47-3	Chromium	34.6		mg/kg dry	0.968	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 09:29	02/04/2020 12:05	JAM
7440-48-4	Cobalt	13.5		mg/kg dry	0.774	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 09:29	02/04/2020 12:05	JAM
7440-50-8	Copper	32.2		mg/kg dry	3.87	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 09:29	02/04/2020 12:05	JAM
7439-89-6	Iron	18400		mg/kg dry	48.4	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 09:29	02/04/2020 12:05	JAM
7439-92-1	Lead	9.44		mg/kg dry	0.968	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 09:29	02/04/2020 12:05	JAM
7439-95-4	Magnesium	5280		mg/kg dry	9.68	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 09:29	02/04/2020 12:05	JAM
7439-96-5	Manganese	152		mg/kg dry	0.968	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 09:29	02/04/2020 12:05	JAM



Sample Information

Client Sample ID: GB-9 (8-12)

York Sample ID: 20A1125-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1125

130 Midland Avenue, Port Chester, New York

Soil

January 30, 2020 12:00 am

01/31/2020

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
7440-02-0	Nickel	66.0		mg/kg dry	1.94	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 09:29	02/04/2020 12:05	JAM
7440-09-7	Potassium	1870		mg/kg dry	9.68	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 09:29	02/04/2020 12:05	JAM
7782-49-2	Selenium	ND		mg/kg dry	4.84	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 09:29	02/04/2020 12:05	JAM
7440-22-4	Silver	ND		mg/kg dry	0.968	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 09:29	02/04/2020 12:05	JAM
7440-23-5	Sodium	132		mg/kg dry	96.8	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 09:29	02/04/2020 12:05	JAM
7440-28-0	Thallium	ND		mg/kg dry	4.84	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 09:29	02/04/2020 12:05	JAM
7440-62-2	Vanadium	30.8		mg/kg dry	1.94	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 09:29	02/04/2020 12:05	JAM
7440-66-6	Zinc	76.9		mg/kg dry	4.84	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 09:29	02/04/2020 12:05	JAM

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	0.0581	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	02/03/2020 10:44	02/03/2020 12:13	SY

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	51.7		%	0.100	1	SM 2540G Certifications: CTDOH	02/03/2020 16:08	02/04/2020 12:33	JAG

Sample Information

Client Sample ID: GB-11 (8-12)

York Sample ID: 20A1125-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1125

130 Midland Avenue, Port Chester, New York

Soil

January 30, 2020 12:00 am

01/31/2020

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: GB-11 (8-12)

York Sample ID: 20A1125-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1125

130 Midland Avenue, Port Chester, New York

Soil

January 30, 2020 12:00 am

01/31/2020

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	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:51	SS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:51	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:51	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	02/03/2020 12:30	02/04/2020 05:51	SS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:51	SS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:51	SS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:51	SS
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:51	SS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:51	SS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	02/03/2020 12:30	02/04/2020 05:51	SS
95-93-2	* 1,2,4,5-Tetramethylbenzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications:	02/03/2020 12:30	02/04/2020 05:51	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:51	SS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:51	SS
96-12-8	1,2-Dibromo-3-chloropropane	0.0044	J	mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:51	SS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:51	SS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:51	SS
107-06-2	1,2-Dichloroethane	0.0024	J	mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:51	SS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:51	SS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:51	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:51	SS
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:51	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:51	SS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.045	0.090	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:51	SS
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	02/03/2020 12:30	02/04/2020 05:51	SS



Sample Information

Client Sample ID: GB-11 (8-12)

York Sample ID: 20A1125-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1125

130 Midland Avenue, Port Chester, New York

Soil

January 30, 2020 12:00 am

01/31/2020

Volatiles, 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
78-93-3	2-Butanone	0.0080		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:51	SS
110-75-8	2-Chloroethylvinyl ether	ND		mg/kg dry	0.0090	0.018	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:51	SS
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:51	SS
591-78-6	2-Hexanone	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:51	SS
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:51	SS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:51	SS
67-64-1	Acetone	0.030		mg/kg dry	0.0045	0.0090	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:51	SS
107-02-8	Acrolein	ND		mg/kg dry	0.0045	0.0090	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:51	SS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:51	SS
71-43-2	Benzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:51	SS
108-86-1	Bromobenzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:51	SS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:51	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:51	SS
75-25-2	Bromoform	0.0049		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:51	SS
74-83-9	Bromomethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:51	SS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:51	SS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:51	SS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:51	SS
75-00-3	Chloroethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:51	SS
67-66-3	Chloroform	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:51	SS
74-87-3	Chloromethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:51	SS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:51	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:51	SS



Sample Information

Client Sample ID: GB-11 (8-12)

York Sample ID: 20A1125-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1125

130 Midland Avenue, Port Chester, New York

Soil

January 30, 2020 12:00 am

01/31/2020

Volatiles, 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
110-82-7	Cyclohexane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications:	02/03/2020 12:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 05:51	SS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications:	02/03/2020 12:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 05:51	SS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications:	02/03/2020 12:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 05:51	SS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications:	02/03/2020 12:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 05:51	SS
108-20-3	* Diisopropyl ether (DIPE)	ND		mg/kg dry	0.0036	0.0072	1	EPA 8260C Certifications:	02/03/2020 12:30	02/04/2020 05:51	SS
64-17-5	* Ethanol	ND		mg/kg dry	0.036	0.072	1	EPA 8260C Certifications:	02/03/2020 12:30	02/04/2020 05:51	SS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications:	02/03/2020 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 05:51	SS
637-92-3	* Ethyl tert-butyl ether (ETBE)	ND		mg/kg dry	0.0036	0.0072	1	EPA 8260C Certifications:	02/03/2020 12:30	02/04/2020 05:51	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications:	02/03/2020 12:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 05:51	SS
74-88-4	* Iodomethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications:	02/03/2020 12:30	02/04/2020 05:51	SS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications:	02/03/2020 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 05:51	SS
79-20-9	Methyl acetate	0.016		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications:	02/03/2020 12:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 05:51	SS
80-62-6	Methyl Methacrylate	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications:	02/03/2020 12:30 NELAC-NY10854,NELAC-NY12058,NJDEP	02/04/2020 05:51	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications:	02/03/2020 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 05:51	SS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications:	02/03/2020 12:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 05:51	SS
75-09-2	Methylene chloride	ND		mg/kg dry	0.0045	0.0090	1	EPA 8260C Certifications:	02/03/2020 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 05:51	SS
91-20-3	Naphthalene	0.016		mg/kg dry	0.0022	0.0090	1	EPA 8260C Certifications:	02/03/2020 12:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 05:51	SS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications:	02/03/2020 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 05:51	SS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications:	02/03/2020 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 05:51	SS
95-47-6	o-Xylene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications:	02/03/2020 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 05:51	SS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0045	0.0090	1	EPA 8260C Certifications:	02/03/2020 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 05:51	SS
105-05-5	* p-Diethylbenzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications:	02/03/2020 12:30	02/04/2020 05:51	SS
622-96-8	* p-Ethyltoluene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications:	02/03/2020 12:30	02/04/2020 05:51	SS



Sample Information

Client Sample ID: GB-11 (8-12)

York Sample ID: 20A1125-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1125

130 Midland Avenue, Port Chester, New York

Soil

January 30, 2020 12:00 am

01/31/2020

Volatiles, 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
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:51	SS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:51	SS
100-42-5	Styrene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:51	SS
75-85-4	* tert-Amyl alcohol (TAA)	ND		mg/kg dry	0.036	0.072	1	EPA 8260C Certifications:	02/03/2020 12:30	02/04/2020 05:51	SS
994-05-8	* tert-Amyl methyl ether (TAME)	ND		mg/kg dry	0.0036	0.0072	1	EPA 8260C Certifications:	02/03/2020 12:30	02/04/2020 05:51	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:51	SS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:51	SS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:51	SS
109-99-9	* Tetrahydrofuran	ND		mg/kg dry	0.0045	0.0090	1	EPA 8260C Certifications:	02/03/2020 12:30	02/04/2020 05:51	SS
108-88-3	Toluene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:51	SS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:51	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:51	SS
110-57-6	* trans-1,4-dichloro-2-butene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH	02/03/2020 12:30	02/04/2020 05:51	SS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:51	SS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:51	SS
108-05-4	Vinyl acetate	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:51	SS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2020 12:30	02/04/2020 05:51	SS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0067	0.013	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	02/03/2020 12:30	02/04/2020 05:51	SS
107-05-1	* Allyl chloride	0.016		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications:	02/03/2020 12:30	02/04/2020 05:51	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: Surr: 1,2-Dichloroethane-d4	106 %	77-125								
2037-26-5	Surrogate: Surr: Toluene-d8	96.1 %	85-120								
460-00-4	Surrogate: Surr: p-Bromofluorobenzene	100 %	76-130								

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

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Sample Information

Client Sample ID: GB-11 (8-12)

York Sample ID: 20A1125-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1125

130 Midland Avenue, Port Chester, New York

Soil

January 30, 2020 12:00 am

01/31/2020

Sample Prepared by Method: EPA 3550C

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	0.0915	2	EPA 8270D Certifications:	02/05/2020 07:43 NELAC-NY10854,NJDEP,PADEP	02/05/2020 21:22	OW
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0915	0.183	2	EPA 8270D Certifications:	02/05/2020 07:43 NELAC-NY10854,NJDEP,PADEP	02/05/2020 21:22	OW
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0458	0.0915	2	EPA 8270D Certifications:	02/05/2020 07:43 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 21:22	OW
95-50-1	1,2-Dichlorobenzene	0.0461	J	mg/kg dry	0.0458	0.0915	2	EPA 8270D Certifications:	02/05/2020 07:43 NELAC-NY10854,PADEP	02/05/2020 21:22	OW
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0458	0.0915	2	EPA 8270D Certifications:	02/05/2020 07:43 NELAC-NY10854,NJDEP,PADEP	02/05/2020 21:22	OW
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0458	0.0915	2	EPA 8270D Certifications:	02/05/2020 07:43 NELAC-NY10854,PADEP	02/05/2020 21:22	OW
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0458	0.0915	2	EPA 8270D Certifications:	02/05/2020 07:43 NELAC-NY10854,PADEP	02/05/2020 21:22	OW
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0915	0.183	2	EPA 8270D Certifications:	02/05/2020 07:43 NELAC-NY10854,NJDEP,PADEP	02/05/2020 21:22	OW
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0458	0.0915	2	EPA 8270D Certifications:	02/05/2020 07:43 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 21:22	OW
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0458	0.0915	2	EPA 8270D Certifications:	02/05/2020 07:43 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 21:22	OW
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0458	0.0915	2	EPA 8270D Certifications:	02/05/2020 07:43 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 21:22	OW
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0458	0.0915	2	EPA 8270D Certifications:	02/05/2020 07:43 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 21:22	OW
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0915	0.183	2	EPA 8270D Certifications:	02/05/2020 07:43 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 21:22	OW
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0458	0.0915	2	EPA 8270D Certifications:	02/05/2020 07:43 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 21:22	OW
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0458	0.0915	2	EPA 8270D Certifications:	02/05/2020 07:43 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 21:22	OW
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0458	0.0915	2	EPA 8270D Certifications:	02/05/2020 07:43 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 21:22	OW
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0458	0.0915	2	EPA 8270D Certifications:	02/05/2020 07:43 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 21:22	OW
91-57-6	2-Methylnaphthalene	0.140		mg/kg dry	0.0458	0.0915	2	EPA 8270D Certifications:	02/05/2020 07:43 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 21:22	OW
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0458	0.0915	2	EPA 8270D Certifications:	02/05/2020 07:43 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 21:22	OW
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0915	0.183	2	EPA 8270D Certifications:	02/05/2020 07:43 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 21:22	OW
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0458	0.0915	2	EPA 8270D Certifications:	02/05/2020 07:43 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 21:22	OW
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0458	0.0915	2	EPA 8270D Certifications:	02/05/2020 07:43 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 21:22	OW
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0458	0.0915	2	EPA 8270D Certifications:	02/05/2020 07:43 NELAC-NY10854,NJDEP,PADEP	02/05/2020 21:22	OW
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0915	0.183	2	EPA 8270D Certifications:	02/05/2020 07:43 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 21:22	OW



Sample Information

Client Sample ID: GB-11 (8-12)

York Sample ID: 20A1125-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1125

130 Midland Avenue, Port Chester, New York

Soil

January 30, 2020 12:00 am

01/31/2020

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0915	0.183	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 21:22	OW
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0458	0.0915	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 21:22	OW
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0458	0.0915	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 21:22	OW
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0458	0.0915	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 21:22	OW
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0458	0.0915	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 21:22	OW
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0915	0.183	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 21:22	OW
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0915	0.183	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 21:22	OW
83-32-9	Acenaphthene	0.116		mg/kg dry	0.0458	0.0915	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 21:22	OW
208-96-8	Acenaphthylene	0.123		mg/kg dry	0.0458	0.0915	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 21:22	OW
98-86-2	Acetophenone	ND		mg/kg dry	0.0458	0.0915	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 21:22	OW
62-53-3	Aniline	ND		mg/kg dry	0.183	0.366	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 21:22	OW
120-12-7	Anthracene	0.336		mg/kg dry	0.0458	0.0915	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 21:22	OW
1912-24-9	Atrazine	ND		mg/kg dry	0.0458	0.0915	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 21:22	OW
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0458	0.0915	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 21:22	OW
92-87-5	Benzidine	ND		mg/kg dry	0.183	0.366	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	02/05/2020 07:43	02/05/2020 21:22	OW
56-55-3	Benzo(a)anthracene	0.823		mg/kg dry	0.0458	0.0915	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 21:22	OW
50-32-8	Benzo(a)pyrene	0.973		mg/kg dry	0.0458	0.0915	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 21:22	OW
205-99-2	Benzo(b)fluoranthene	0.851		mg/kg dry	0.0458	0.0915	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 21:22	OW
191-24-2	Benzo(g,h,i)perylene	0.591		mg/kg dry	0.0458	0.0915	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 21:22	OW
207-08-9	Benzo(k)fluoranthene	0.748		mg/kg dry	0.0458	0.0915	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 21:22	OW
65-85-0	Benzoic acid	ND		mg/kg dry	0.0458	0.0915	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 21:22	OW
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0458	0.0915	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 21:22	OW
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0458	0.0915	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 21:22	OW



Sample Information

Client Sample ID: GB-11 (8-12)

York Sample ID: 20A1125-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1125

130 Midland Avenue, Port Chester, New York

Soil

January 30, 2020 12:00 am

01/31/2020

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0458	0.0915	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 21:22	OW
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0458	0.0915	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 21:22	OW
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0458	0.0915	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 21:22	OW
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0458	0.0915	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 21:22	OW
105-60-2	Caprolactam	ND		mg/kg dry	0.0915	0.183	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 21:22	OW
86-74-8	Carbazole	0.137		mg/kg dry	0.0458	0.0915	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 21:22	OW
218-01-9	Chrysene	0.853		mg/kg dry	0.0458	0.0915	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 21:22	OW
53-70-3	Dibenzo(a,h)anthracene	0.279	CCV-H	mg/kg dry	0.0458	0.0915	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 21:22	OW
132-64-9	Dibenzofuran	0.114		mg/kg dry	0.0458	0.0915	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 21:22	OW
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0458	0.0915	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 21:22	OW
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0458	0.0915	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 21:22	OW
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0458	0.0915	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 21:22	OW
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0458	0.0915	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 21:22	OW
206-44-0	Fluoranthene	1.96		mg/kg dry	0.0458	0.0915	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 21:22	OW
86-73-7	Fluorene	0.154		mg/kg dry	0.0458	0.0915	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 21:22	OW
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0458	0.0915	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 21:22	OW
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0458	0.0915	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 21:22	OW
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0458	0.0915	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 21:22	OW
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0458	0.0915	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 21:22	OW
193-39-5	Indeno(1,2,3-cd)pyrene	0.582		mg/kg dry	0.0458	0.0915	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 21:22	OW
78-59-1	Isophorone	ND		mg/kg dry	0.0458	0.0915	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 21:22	OW
91-20-3	Naphthalene	0.120		mg/kg dry	0.0458	0.0915	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 21:22	OW
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0458	0.0915	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 21:22	OW



Sample Information

Client Sample ID: GB-11 (8-12)

York Sample ID: 20A1125-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1125

130 Midland Avenue, Port Chester, New York

Soil

January 30, 2020 12:00 am

01/31/2020

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0458	0.0915	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 21:22	OW
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0458	0.0915	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 21:22	OW
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0458	0.0915	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 21:22	OW
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0458	0.0915	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 21:22	OW
85-01-8	Phenanthrene	1.16		mg/kg dry	0.0458	0.0915	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 21:22	OW
108-95-2	Phenol	ND		mg/kg dry	0.0458	0.0915	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 21:22	OW
129-00-0	Pyrene	1.26	CCV-L	mg/kg dry	0.0458	0.0915	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 21:22	OW
110-86-1	Pyridine	ND		mg/kg dry	0.183	0.366	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:43	02/05/2020 21:22	OW
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: SURR: 2-Fluorophenol	51.8 %	20-108								
4165-62-2	Surrogate: SURR: Phenol-d5	55.6 %	23-114								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	69.5 %	22-108								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	66.6 %	21-113								
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	101 %	19-110								
1718-51-0	Surrogate: SURR: Terphenyl-d14	76.9 %	24-116								

Semi-Volatiles, 1,4-Dioxane by 8270-SIM

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
123-91-1	1,4-Dioxane	ND		ug/kg	9.52	1	EPA 8270D SIM Certifications: NELAC-NY10854	02/03/2020 08:00	02/07/2020 02:34	KH
Surrogate Recoveries		Result	Acceptance Range							
17647-74-4	Surrogate: 1,4-Dioxane-d8	40.0 %	39-83.1							

Pesticides, 8081 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	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:50	02/05/2020 21:44	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:50	02/05/2020 21:44	CM



Sample Information

Client Sample ID: GB-11 (8-12)

York Sample ID: 20A1125-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1125

130 Midland Avenue, Port Chester, New York

Soil

January 30, 2020 12:00 am

01/31/2020

Pesticides, 8081 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
50-29-3	4,4'-DDT	0.00837		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:50	02/05/2020 21:44	CM
309-00-2	Aldrin	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:50	02/05/2020 21:44	CM
319-84-6	alpha-BHC	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:50	02/05/2020 21:44	CM
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	02/04/2020 13:50	02/05/2020 21:44	CM
319-85-7	beta-BHC	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:50	02/05/2020 21:44	CM
319-86-8	delta-BHC	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:50	02/05/2020 21:44	CM
60-57-1	Dieldrin	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:50	02/05/2020 21:44	CM
959-98-8	Endosulfan I	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:50	02/05/2020 21:44	CM
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	02/04/2020 13:50	02/05/2020 21:44	CM
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:50	02/05/2020 21:44	CM
72-20-8	Endrin	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:50	02/05/2020 21:44	CM
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:50	02/05/2020 21:44	CM
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:50	02/05/2020 21:44	CM
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:50	02/05/2020 21:44	CM
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	02/04/2020 13:50	02/05/2020 21:44	CM
76-44-8	Heptachlor	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:50	02/05/2020 21:44	CM
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:50	02/05/2020 21:44	CM
72-43-5	Methoxychlor	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:50	02/05/2020 21:44	CM
8001-35-2	Toxaphene	ND		mg/kg dry	0.182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 13:50	02/05/2020 21:44	CM
57-74-9	* Chlordane, total	ND		mg/kg dry	0.0364	5	EPA 8081B Certifications:	02/04/2020 13:50	02/05/2020 21:44	CM
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	49.0 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	36.7 %	30-150							

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: GB-11 (8-12)

York Sample ID: 20A1125-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1125

130 Midland Avenue, Port Chester, New York

Soil

January 30, 2020 12:00 am

01/31/2020

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	0.0184	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/04/2020 13:50	02/05/2020 13:55	SR
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0184	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/04/2020 13:50	02/05/2020 13:55	SR
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0184	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/04/2020 13:50	02/05/2020 13:55	SR
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0184	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/04/2020 13:50	02/05/2020 13:55	SR
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0184	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/04/2020 13:50	02/05/2020 13:55	SR
11097-69-1	Aroclor 1254	0.0318		mg/kg dry	0.0184	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/04/2020 13:50	02/05/2020 13:55	SR
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0184	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/04/2020 13:50	02/05/2020 13:55	SR
1336-36-3	* Total PCBs	0.0318		mg/kg dry	0.0184	1	EPA 8082A Certifications:	02/04/2020 13:50	02/05/2020 13:55	SR
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	55.0 %								
2051-24-3	Surrogate: Decachlorobiphenyl	46.0 %								

Herbicides, 8151 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	0.0220	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:42	02/03/2020 22:21	SR
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0220	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:42	02/03/2020 22:21	SR
94-75-7	2,4-D	ND		mg/kg dry	0.0220	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 07:42	02/03/2020 22:21	SR
Surrogate Recoveries		Result		Acceptance Range						
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	73.4 %								

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	13400		mg/kg dry	5.54	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 09:29	02/04/2020 12:08	JAM
7440-36-0	Antimony	ND		mg/kg dry	2.77	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 09:29	02/04/2020 12:08	JAM
7440-38-2	Arsenic	6.60		mg/kg dry	1.66	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 09:29	02/04/2020 12:08	JAM



Sample Information

Client Sample ID: GB-11 (8-12)

York Sample ID: 20A1125-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1125

130 Midland Avenue, Port Chester, New York

Soil

January 30, 2020 12:00 am

01/31/2020

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	162		mg/kg dry	2.77	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 09:29	02/04/2020 12:08	JAM
7440-41-7	Beryllium	ND		mg/kg dry	0.055	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 09:29	02/04/2020 12:08	JAM
7440-43-9	Cadmium	3.63		mg/kg dry	0.332	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 09:29	02/04/2020 12:08	JAM
7440-70-2	Calcium	18100		mg/kg dry	5.54	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 09:29	02/04/2020 12:08	JAM
7440-47-3	Chromium	51.4		mg/kg dry	0.554	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 09:29	02/04/2020 12:08	JAM
7440-48-4	Cobalt	12.1		mg/kg dry	0.443	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 09:29	02/04/2020 12:08	JAM
7440-50-8	Copper	88.7		mg/kg dry	2.22	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 09:29	02/04/2020 12:08	JAM
7439-89-6	Iron	31600		mg/kg dry	27.7	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 09:29	02/04/2020 12:08	JAM
7439-92-1	Lead	203		mg/kg dry	0.554	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 09:29	02/04/2020 12:08	JAM
7439-95-4	Magnesium	9000		mg/kg dry	5.54	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 09:29	02/04/2020 12:08	JAM
7439-96-5	Manganese	373		mg/kg dry	0.554	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 09:29	02/04/2020 12:08	JAM
7440-02-0	Nickel	46.6		mg/kg dry	1.11	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 09:29	02/04/2020 12:08	JAM
7440-09-7	Potassium	3490		mg/kg dry	5.54	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 09:29	02/04/2020 12:08	JAM
7782-49-2	Selenium	ND		mg/kg dry	2.77	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 09:29	02/04/2020 12:08	JAM
7440-22-4	Silver	ND		mg/kg dry	0.554	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 09:29	02/04/2020 12:08	JAM
7440-23-5	Sodium	165		mg/kg dry	55.4	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 09:29	02/04/2020 12:08	JAM
7440-28-0	Thallium	ND		mg/kg dry	2.77	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 09:29	02/04/2020 12:08	JAM
7440-62-2	Vanadium	39.8		mg/kg dry	1.11	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 09:29	02/04/2020 12:08	JAM
7440-66-6	Zinc	284		mg/kg dry	2.77	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2020 09:29	02/04/2020 12:08	JAM

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



Sample Information

Client Sample ID: GB-11 (8-12)

York Sample ID: 20A1125-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1125

130 Midland Avenue, Port Chester, New York

Soil

January 30, 2020 12:00 am

01/31/2020

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	0.224		mg/kg dry	0.0332	1	EPA 7473	02/03/2020 10:44	02/03/2020 12:22	SY
							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	90.3		%	0.100	1	SM 2540G	02/03/2020 16:08	02/04/2020 12:33	JAG
							Certifications:	CTDOH		



Analytical Batch Summary

Batch ID: BB00004 **Preparation Method:** EPA 3550C/8151A **Prepared By:** CTD

YORK Sample ID	Client Sample ID	Preparation Date
20A1125-01	MW-4 (2-7)	02/03/20
20A1125-02	MW-5 (5-9)	02/03/20
20A1125-03	GB-9 (8-12)	02/03/20
20A1125-04	GB-11 (8-12)	02/03/20
BB00004-BLK1	Blank	02/03/20
BB00004-BS1	LCS	02/03/20

Batch ID: BB00006 **Preparation Method:** EPA 3550C **Prepared By:** LM

YORK Sample ID	Client Sample ID	Preparation Date
20A1125-01	MW-4 (2-7)	02/03/20
20A1125-02	MW-5 (5-9)	02/03/20
20A1125-03	GB-9 (8-12)	02/03/20
20A1125-04	GB-11 (8-12)	02/03/20
BB00006-BLK1	Blank	02/03/20
BB00006-BS1	LCS	02/03/20

Batch ID: BB00021 **Preparation Method:** EPA 3050B **Prepared By:** SY

YORK Sample ID	Client Sample ID	Preparation Date
20A1125-01	MW-4 (2-7)	02/03/20
20A1125-02	MW-5 (5-9)	02/03/20
20A1125-03	GB-9 (8-12)	02/03/20
20A1125-04	GB-11 (8-12)	02/03/20
BB00021-BLK1	Blank	02/03/20
BB00021-SRM1	Reference	02/03/20

Batch ID: BB00026 **Preparation Method:** EPA 5035A **Prepared By:** AB

YORK Sample ID	Client Sample ID	Preparation Date
20A1125-01	MW-4 (2-7)	02/03/20
20A1125-02	MW-5 (5-9)	02/03/20
20A1125-03	GB-9 (8-12)	02/03/20
20A1125-04	GB-11 (8-12)	02/03/20
BB00026-BLK1	Blank	02/03/20
BB00026-BLK2	Blank	02/03/20
BB00026-BS1	LCS	02/03/20
BB00026-BSD1	LCS Dup	02/03/20

Batch ID: BB00032 **Preparation Method:** EPA 7473 soil **Prepared By:** SY

YORK Sample ID	Client Sample ID	Preparation Date
20A1125-01	MW-4 (2-7)	02/03/20



20A1125-02	MW-5 (5-9)	02/03/20
20A1125-03	GB-9 (8-12)	02/03/20
20A1125-04	GB-11 (8-12)	02/03/20
BB00032-BLK1	Blank	02/03/20
BB00032-SRM1	Reference	02/03/20

Batch ID: BB00071 **Preparation Method:** % Solids Prep **Prepared By:** STN

YORK Sample ID	Client Sample ID	Preparation Date
20A1125-01	MW-4 (2-7)	02/03/20

Batch ID: BB00072 **Preparation Method:** % Solids Prep **Prepared By:** STN

YORK Sample ID	Client Sample ID	Preparation Date
20A1125-02	MW-5 (5-9)	02/03/20
20A1125-03	GB-9 (8-12)	02/03/20
20A1125-04	GB-11 (8-12)	02/03/20

Batch ID: BB00122 **Preparation Method:** EPA 3550C **Prepared By:** CLS2

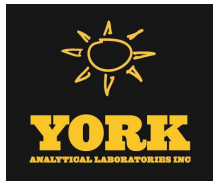
YORK Sample ID	Client Sample ID	Preparation Date
20A1125-01	MW-4 (2-7)	02/04/20
20A1125-01	MW-4 (2-7)	02/04/20
20A1125-02	MW-5 (5-9)	02/04/20
20A1125-02	MW-5 (5-9)	02/04/20
20A1125-04	GB-11 (8-12)	02/04/20
20A1125-04	GB-11 (8-12)	02/04/20
BB00122-BLK2	Blank	02/04/20
BB00122-BS2	LCS	02/04/20

Batch ID: BB00151 **Preparation Method:** EPA 3550C **Prepared By:** LJ

YORK Sample ID	Client Sample ID	Preparation Date
20A1125-01	MW-4 (2-7)	02/05/20
20A1125-01RE1	MW-4 (2-7)	02/05/20
20A1125-02	MW-5 (5-9)	02/05/20
20A1125-03	GB-9 (8-12)	02/05/20
20A1125-04	GB-11 (8-12)	02/05/20
BB00151-BLK1	Blank	02/05/20
BB00151-BS1	LCS	02/05/20

Batch ID: BB00197 **Preparation Method:** EPA 3550C **Prepared By:** CLS2

YORK Sample ID	Client Sample ID	Preparation Date
20A1125-03	GB-9 (8-12)	02/05/20
20A1125-03	GB-9 (8-12)	02/05/20
BB00197-BLK1	Blank	02/05/20
BB00197-BLK2	Blank	02/05/20



BB00197-BS1	LCS	02/05/20
BB00197-BS2	LCS	02/05/20



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 BB00026 - EPA 5035A											
Blank (BB00026-BLK1)						Prepared & Analyzed: 02/03/2020					
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	"								
1,1-Dichloropropylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4,5-Tetramethylbenzene	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	"								
1,3-Dichloropropane	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2,2-Dichloropropane	ND	0.0050	"								
2-Butanone	ND	0.0050	"								
2-Chloroethylvinyl ether	ND	0.020	"								
2-Chlorotoluene	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Chlorotoluene	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	"								
Bromobenzene	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	"								



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 BB00026 - EPA 5035A

Blank (BB00026-BLK1)

Prepared & Analyzed: 02/03/2020

Dibromomethane	ND	0.0050	mg/kg wet								
Dichlorodifluoromethane	ND	0.0050	"								
Diisopropyl ether (DIPE)	ND	0.0080	"								
Ethanol	ND	0.080	"								
Ethyl Benzene	ND	0.0050	"								
Ethyl tert-butyl ether (ETBE)	ND	0.0080	"								
Hexachlorobutadiene	ND	0.0050	"								
Iodomethane	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl Methacrylate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
Naphthalene	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-Diethylbenzene	ND	0.0050	"								
p-Ethyltoluene	ND	0.0050	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Amyl alcohol (TAA)	ND	0.080	"								
tert-Amyl methyl ether (TAME)	ND	0.0080	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Tetrahydrofuran	ND	0.010	"								
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 acetate	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Allyl chloride	ND	0.0050	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	51.2		ug/L	50.0		102	77-125				
Surrogate: SURR: Toluene-d8	47.2		"	50.0		94.4	85-120				
Surrogate: SURR: p-Bromofluorobenzene	48.2		"	50.0		96.5	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 BB00026 - EPA 5035A											
Blank (BB00026-BLK2)										Prepared & Analyzed: 02/03/2020	
1,1,1,2-Tetrachloroethane	ND	0.50	mg/kg wet								
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	"								
1,1-Dichloropropylene	ND	0.50	"								
1,2,3-Trichlorobenzene	ND	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4,5-Tetramethylbenzene	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	"								
1,3-Dichloropropane	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
1,4-Dioxane	ND	10	"								
2,2-Dichloropropane	ND	0.50	"								
2-Butanone	ND	0.50	"								
2-Chloroethylvinyl ether	ND	2.0	"								
2-Chlorotoluene	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Chlorotoluene	ND	0.50	"								
4-Methyl-2-pentanone	ND	0.50	"								
Acetone	ND	1.0	"								
Acrolein	ND	1.0	"								
Acrylonitrile	ND	0.50	"								
Benzene	ND	0.50	"								
Bromobenzene	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	ND	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	"								



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 BB00026 - EPA 5035A

Blank (BB00026-BLK2)

Prepared & Analyzed: 02/03/2020

Dichlorodifluoromethane	ND	0.50	mg/kg wet								
Diisopropyl ether (DIPE)	ND	0.80	"								
Ethanol	ND	8.0	"								
Ethyl Benzene	ND	0.50	"								
Ethyl tert-butyl ether (ETBE)	ND	0.80	"								
Hexachlorobutadiene	ND	0.50	"								
Iodomethane	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl acetate	ND	0.50	"								
Methyl Methacrylate	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylcyclohexane	ND	0.50	"								
Methylene chloride	ND	1.0	"								
Naphthalene	ND	1.0	"								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Diethylbenzene	ND	0.50	"								
p-Ethyltoluene	ND	0.50	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Amyl alcohol (TAA)	ND	8.0	"								
tert-Amyl methyl ether (TAME)	ND	0.80	"								
tert-Butyl alcohol (TBA)	ND	0.50	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Tetrahydrofuran	ND	1.0	"								
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 acetate	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Allyl chloride	ND	0.50	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	50.8		ug/L	50.0		102	77-125				
Surrogate: SURR: Toluene-d8	47.2		"	50.0		94.4	85-120				
Surrogate: SURR: p-Bromofluorobenzene	47.7		"	50.0		95.3	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 BB00026 - EPA 5035A											
LCS (BB00026-BS1)						Prepared & Analyzed: 02/03/2020					
1,1,1,2-Tetrachloroethane	50.4		ug/L	50.0		101	75-129				
1,1,1-Trichloroethane	57.4		"	50.0		115	71-137				
1,1,2,2-Tetrachloroethane	45.5		"	50.0		91.0	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	60.9		"	50.0		122	58-146				
1,1,2-Trichloroethane	47.9		"	50.0		95.7	83-123				
1,1-Dichloroethane	51.9		"	50.0		104	75-130				
1,1-Dichloroethylene	57.1		"	50.0		114	64-137				
1,1-Dichloropropylene	53.4		"	50.0		107	77-127				
1,2,3-Trichlorobenzene	48.7		"	50.0		97.5	81-140				
1,2,3-Trichloropropane	47.0		"	50.0		94.1	81-126				
1,2,4,5-Tetramethylbenzene	45.4		"	50.0		90.8	63-156				
1,2,4-Trichlorobenzene	48.1		"	50.0		96.2	80-141				
1,2,4-Trimethylbenzene	47.2		"	50.0		94.4	84-125				
1,2-Dibromo-3-chloropropane	41.9		"	50.0		83.7	74-142				
1,2-Dibromoethane	51.2		"	50.0		102	86-123				
1,2-Dichlorobenzene	48.0		"	50.0		96.1	85-122				
1,2-Dichloroethane	54.4		"	50.0		109	71-133				
1,2-Dichloropropane	45.9		"	50.0		91.7	81-122				
1,3,5-Trimethylbenzene	47.0		"	50.0		94.0	82-126				
1,3-Dichlorobenzene	47.0		"	50.0		94.0	84-124				
1,3-Dichloropropane	47.3		"	50.0		94.6	83-123				
1,4-Dichlorobenzene	46.6		"	50.0		93.2	84-124				
1,4-Dioxane	965		"	1050		91.9	10-228				
2,2-Dichloropropane	50.3		"	50.0		101	67-136				
2-Butanone	50.3		"	50.0		101	58-147				
2-Chloroethylvinyl ether	56.1		"	50.0		112	10-166				
2-Chlorotoluene	44.5		"	50.0		89.0	78-127				
2-Hexanone	43.5		"	50.0		86.9	70-139				
4-Chlorotoluene	45.2		"	50.0		90.4	79-125				
4-Methyl-2-pentanone	45.0		"	50.0		90.1	72-132				
Acetone	42.2		"	50.0		84.4	36-155				
Acrolein	52.9		"	50.0		106	10-238				
Acrylonitrile	52.3		"	50.0		105	66-141				
Benzene	54.4		"	50.0		109	77-127				
Bromobenzene	44.8		"	50.0		89.5	77-129				
Bromochloromethane	53.6		"	50.0		107	74-129				
Bromodichloromethane	49.3		"	50.0		98.5	81-124				
Bromoform	44.1		"	50.0		88.2	80-136				
Bromomethane	56.0		"	50.0		112	32-177				
Carbon disulfide	57.5		"	50.0		115	10-136				
Carbon tetrachloride	55.7		"	50.0		111	66-143				
Chlorobenzene	49.3		"	50.0		98.6	86-120				
Chloroethane	64.0		"	50.0		128	51-142				
Chloroform	54.6		"	50.0		109	76-131				
Chloromethane	54.4		"	50.0		109	49-132				
cis-1,2-Dichloroethylene	53.1		"	50.0		106	74-132				
cis-1,3-Dichloropropylene	47.3		"	50.0		94.6	81-129				
Cyclohexane	57.3		"	50.0		115	70-130				
Dibromochloromethane	46.4		"	50.0		92.7	10-200				
Dibromomethane	48.1		"	50.0		96.1	83-124				



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 BB00026 - EPA 5035A

LCS (BB00026-BS1)

Prepared & Analyzed: 02/03/2020

Dichlorodifluoromethane	63.4		ug/L	50.0		127	28-158				
Diisopropyl ether (DIPE)	48.7		"	50.0		97.4	70-130				
Ethanol	2.13	0.080	mg/kg wet				70-130				
Ethyl Benzene	49.0		ug/L	50.0		98.0	84-125				
Ethyl tert-butyl ether (ETBE)	52.7		"	50.0		105	70-130				
Hexachlorobutadiene	48.3		"	50.0		96.6	83-133				
Iodomethane	69.3		"	50.0		139	70-130	High Bias			
Isopropylbenzene	45.6		"	50.0		91.1	81-127				
Methyl acetate	47.9		"	50.0		95.8	41-143				
Methyl Methacrylate	47.7		"	50.0		95.4	79-125				
Methyl tert-butyl ether (MTBE)	53.4		"	50.0		107	74-131				
Methylcyclohexane	46.4		"	50.0		92.9	70-130				
Methylene chloride	56.4		"	50.0		113	57-141				
Naphthalene	50.6		"	50.0		101	86-141				
n-Butylbenzene	52.3		"	50.0		105	80-130				
n-Propylbenzene	45.0		"	50.0		90.0	74-136				
o-Xylene	48.6		"	50.0		97.2	83-123				
p- & m- Xylenes	97.5		"	100		97.5	82-128				
p-Diethylbenzene	50.5		"	50.0		101	70-144				
p-Ethyltoluene	49.7		"	50.0		99.3	84-123				
p-Isopropyltoluene	47.4		"	50.0		94.7	85-125				
sec-Butylbenzene	48.6		"	50.0		97.2	83-125				
Styrene	50.7		"	50.0		101	86-126				
tert-Amyl alcohol (TAA)	480		"	500		96.0	70-130				
tert-Amyl methyl ether (TAME)	51.3		"	50.0		103	70-130				
tert-Butyl alcohol (TBA)	250		"	250		100	70-130				
tert-Butylbenzene	40.4		"	50.0		80.9	80-127				
Tetrachloroethylene	46.3		"	50.0		92.6	80-129				
Tetrahydrofuran	50.8		"	50.0		102	64-137				
Toluene	48.6		"	50.0		97.3	85-121				
trans-1,2-Dichloroethylene	57.3		"	50.0		115	72-132				
trans-1,3-Dichloropropylene	46.2		"	50.0		92.3	78-132				
trans-1,4-dichloro-2-butene	44.1		"	50.0		88.2	75-135				
Trichloroethylene	49.5		"	50.0		99.0	84-123				
Trichlorofluoromethane	55.5		"	50.0		111	62-140				
Vinyl acetate	47.1		"	50.0		94.2	67-136				
Vinyl Chloride	55.8		"	50.0		112	52-130				
Allyl chloride	47.9		"	50.0		95.8	70-130				
Surrogate: SURR: 1,2-Dichloroethane-d4	51.7		"	50.0		103	77-125				
Surrogate: SURR: Toluene-d8	47.3		"	50.0		94.6	85-120				
Surrogate: SURR: p-Bromofluorobenzene	47.4		"	50.0		94.9	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 BB00026 - EPA 5035A											
LCS Dup (BB00026-BSD1)						Prepared & Analyzed: 02/03/2020					
1,1,1,2-Tetrachloroethane	50.9		ug/L	50.0		102	75-129		1.07	30	
1,1,1-Trichloroethane	57.6		"	50.0		115	71-137		0.487	30	
1,1,2,2-Tetrachloroethane	47.8		"	50.0		95.7	79-129		5.06	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	61.0		"	50.0		122	58-146		0.213	30	
1,1,2-Trichloroethane	49.3		"	50.0		98.6	83-123		2.92	30	
1,1-Dichloroethane	51.9		"	50.0		104	75-130		0.0771	30	
1,1-Dichloroethylene	57.2		"	50.0		114	64-137		0.0875	30	
1,1-Dichloropropylene	53.5		"	50.0		107	77-127		0.243	30	
1,2,3-Trichlorobenzene	48.8		"	50.0		97.7	81-140		0.205	30	
1,2,3-Trichloropropane	49.5		"	50.0		99.0	81-126		5.08	30	
1,2,4,5-Tetramethylbenzene	45.5		"	50.0		91.0	63-156		0.220	30	
1,2,4-Trichlorobenzene	47.7		"	50.0		95.5	80-141		0.772	30	
1,2,4-Trimethylbenzene	47.0		"	50.0		93.9	84-125		0.531	30	
1,2-Dibromo-3-chloropropane	41.9		"	50.0		83.8	74-142		0.119	30	
1,2-Dibromoethane	52.5		"	50.0		105	86-123		2.60	30	
1,2-Dichlorobenzene	48.0		"	50.0		95.9	85-122		0.208	30	
1,2-Dichloroethane	54.1		"	50.0		108	71-133		0.424	30	
1,2-Dichloropropane	46.9		"	50.0		93.9	81-122		2.28	30	
1,3,5-Trimethylbenzene	47.4		"	50.0		94.7	82-126		0.784	30	
1,3-Dichlorobenzene	46.8		"	50.0		93.6	84-124		0.426	30	
1,3-Dichloropropane	48.4		"	50.0		96.8	83-123		2.36	30	
1,4-Dichlorobenzene	46.2		"	50.0		92.5	84-124		0.797	30	
1,4-Dioxane	1060		"	1050		101	10-228		8.93	30	
2,2-Dichloropropane	50.7		"	50.0		101	67-136		0.911	30	
2-Butanone	54.0		"	50.0		108	58-147		7.14	30	
2-Chloroethylvinyl ether	58.7		"	50.0		117	10-166		4.53	30	
2-Chlorotoluene	44.6		"	50.0		89.2	78-127		0.224	30	
2-Hexanone	47.2		"	50.0		94.4	70-139		8.27	30	
4-Chlorotoluene	45.3		"	50.0		90.5	79-125		0.133	30	
4-Methyl-2-pentanone	46.9		"	50.0		93.8	72-132		3.98	30	
Acetone	45.6		"	50.0		91.2	36-155		7.68	30	
Acrolein	55.0		"	50.0		110	10-238		3.88	30	
Acrylonitrile	54.6		"	50.0		109	66-141		4.25	30	
Benzene	54.5		"	50.0		109	77-127		0.0918	30	
Bromobenzene	46.0		"	50.0		91.9	77-129		2.65	30	
Bromochloromethane	51.9		"	50.0		104	74-129		3.32	30	
Bromodichloromethane	50.0		"	50.0		100	81-124		1.43	30	
Bromoform	45.8		"	50.0		91.7	80-136		3.85	30	
Bromomethane	58.9		"	50.0		118	32-177		5.15	30	
Carbon disulfide	58.2		"	50.0		116	10-136		1.09	30	
Carbon tetrachloride	56.4		"	50.0		113	66-143		1.27	30	
Chlorobenzene	49.5		"	50.0		99.0	86-120		0.405	30	
Chloroethane	64.6		"	50.0		129	51-142		0.965	30	
Chloroform	54.5		"	50.0		109	76-131		0.147	30	
Chloromethane	54.8		"	50.0		110	49-132		0.787	30	
cis-1,2-Dichloroethylene	53.1		"	50.0		106	74-132		0.0377	30	
cis-1,3-Dichloropropylene	48.1		"	50.0		96.3	81-129		1.78	30	
Cyclohexane	56.9		"	50.0		114	70-130		0.630	30	
Dibromochloromethane	47.8		"	50.0		95.7	10-200		3.14	30	
Dibromomethane	49.4		"	50.0		98.8	83-124		2.71	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 BB00026 - EPA 5035A											
LCS Dup (BB00026-BSD1)						Prepared & Analyzed: 02/03/2020					
Dichlorodifluoromethane	63.2		ug/L	50.0		126	28-158		0.363	30	
Diisopropyl ether (DIPE)	49.0		"	50.0		98.0	70-130		0.635	30	
Ethanol	2.14	0.080	mg/kg wet				70-130		0.355	30	
Ethyl Benzene	49.4		ug/L	50.0		98.8	84-125		0.833	30	
Ethyl tert-butyl ether (ETBE)	53.2		"	50.0		106	70-130		1.08	30	
Hexachlorobutadiene	48.8		"	50.0		97.6	83-133		1.07	30	
Iodomethane	69.9		"	50.0		140	70-130	High Bias	0.905	30	
Isopropylbenzene	46.0		"	50.0		92.1	81-127		1.05	30	
Methyl acetate	50.4		"	50.0		101	41-143		5.12	30	
Methyl Methacrylate	50.0		"	50.0		99.9	79-125		4.63	30	
Methyl tert-butyl ether (MTBE)	54.6		"	50.0		109	74-131		2.19	30	
Methylcyclohexane	47.0		"	50.0		94.0	70-130		1.18	30	
Methylene chloride	56.8		"	50.0		114	57-141		0.601	30	
Naphthalene	52.2		"	50.0		104	86-141		3.06	30	
n-Butylbenzene	52.3		"	50.0		105	80-130		0.0765	30	
n-Propylbenzene	45.2		"	50.0		90.5	74-136		0.576	30	
o-Xylene	48.6		"	50.0		97.2	83-123		0.0617	30	
p- & m- Xylenes	97.9		"	100		97.9	82-128		0.379	30	
p-Diethylbenzene	50.2		"	50.0		100	70-144		0.616	30	
p-Ethyltoluene	47.2		"	50.0		94.3	84-123		5.19	30	
p-Isopropyltoluene	47.6		"	50.0		95.2	85-125		0.484	30	
sec-Butylbenzene	49.0		"	50.0		98.0	83-125		0.840	30	
Styrene	51.1		"	50.0		102	86-126		0.943	30	
tert-Amyl alcohol (TAA)	526		"	500		105	70-130		9.13	30	
tert-Amyl methyl ether (TAME)	52.0		"	50.0		104	70-130		1.24	30	
tert-Butyl alcohol (TBA)	273		"	250		109	70-130		8.50	30	
tert-Butylbenzene	41.0		"	50.0		82.0	80-127		1.37	30	
Tetrachloroethylene	46.5		"	50.0		93.1	80-129		0.452	30	
Tetrahydrofuran	53.3		"	50.0		107	64-137		4.80	30	
Toluene	49.1		"	50.0		98.2	85-121		0.921	30	
trans-1,2-Dichloroethylene	56.8		"	50.0		114	72-132		0.982	30	
trans-1,3-Dichloropropylene	47.4		"	50.0		94.8	78-132		2.65	30	
trans-1,4-dichloro-2-butene	46.3		"	50.0		92.6	75-135		4.87	30	
Trichloroethylene	49.5		"	50.0		99.0	84-123		0.0202	30	
Trichlorofluoromethane	56.2		"	50.0		112	62-140		1.27	30	
Vinyl acetate	47.4		"	50.0		94.8	67-136		0.698	30	
Vinyl Chloride	56.5		"	50.0		113	52-130		1.35	30	
Allyl chloride	50.4		"	50.0		101	70-130		5.12	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	51.6		"	50.0		103	77-125				
Surrogate: SURR: Toluene-d8	47.2		"	50.0		94.5	85-120				
Surrogate: SURR: p-Bromofluorobenzene	47.9		"	50.0		95.9	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 BB00151 - EPA 3550C											
Blank (BB00151-BLK1)											
Prepared & Analyzed: 02/05/2020											
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 BB00151 - EPA 3550C

Blank (BB00151-BLK1)

Prepared & Analyzed: 02/05/2020

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	ND	0.0416	"								
Dimethyl phthalate	ND	0.0416	"								
Di-n-butyl phthalate	ND	0.0416	"								
Di-n-octyl phthalate	ND	0.0416	"								
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	1.00		"	1.66		60.3	20-108				
Surrogate: SURR: Phenol-d5	1.05		"	1.66		63.0	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.612		"	0.831		73.6	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.575		"	0.831		69.2	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	1.69		"	1.66		102	19-110				
Surrogate: SURR: Terphenyl-d14	0.738		"	0.831		88.9	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 BB00151 - EPA 3550C											
LCS (BB00151-BS1)						Prepared & Analyzed: 02/05/2020					
1,1-Biphenyl	0.653	0.0416	mg/kg wet	0.831		78.7	18-111				
1,2,4,5-Tetrachlorobenzene	0.692	0.0830	"	0.839		82.5	21-131				
1,2,4-Trichlorobenzene	0.682	0.0416	"	0.831		82.1	10-140				
1,2-Dichlorobenzene	0.567	0.0416	"	0.831		68.2	34-108				
1,2-Diphenylhydrazine (as Azobenzene)	0.622	0.0416	"	0.831		74.8	17-137				
1,3-Dichlorobenzene	0.536	0.0416	"	0.831		64.5	33-110				
1,4-Dichlorobenzene	0.579	0.0416	"	0.831		69.8	32-104				
2,3,4,6-Tetrachlorophenol	0.713	0.0830	"	0.831		85.8	30-130				
2,4,5-Trichlorophenol	0.601	0.0416	"	0.831		72.4	27-118				
2,4,6-Trichlorophenol	0.742	0.0416	"	0.831		89.3	31-120				
2,4-Dichlorophenol	0.710	0.0416	"	0.831		85.5	20-127				
2,4-Dimethylphenol	0.572	0.0416	"	0.831		68.8	14-132				
2,4-Dinitrophenol	0.864	0.0830	"	0.831		104	10-171				
2,4-Dinitrotoluene	0.759	0.0416	"	0.831		91.4	34-131				
2,6-Dinitrotoluene	0.739	0.0416	"	0.831		89.0	31-128				
2-Chloronaphthalene	0.584	0.0416	"	0.831		70.4	31-117				
2-Chlorophenol	0.575	0.0416	"	0.831		69.3	33-113				
2-Methylnaphthalene	0.717	0.0416	"	0.831		86.3	12-138				
2-Methylphenol	0.530	0.0416	"	0.831		63.8	10-136				
2-Nitroaniline	0.675	0.0830	"	0.831		81.2	27-132				
2-Nitrophenol	0.668	0.0416	"	0.831		80.4	17-129				
3- & 4-Methylphenols	0.460	0.0416	"	0.831		55.4	29-103				
3,3-Dichlorobenzidine	0.617	0.0416	"	0.831		74.2	22-149				
3-Nitroaniline	0.495	0.0830	"	0.831		59.6	20-133				
4,6-Dinitro-2-methylphenol	1.02	0.0830	"	0.831		123	10-143				
4-Bromophenyl phenyl ether	0.776	0.0416	"	0.831		93.5	29-120				
4-Chloro-3-methylphenol	0.695	0.0416	"	0.831		83.7	24-129				
4-Chloroaniline	0.367	0.0416	"	0.831		44.2	10-132				
4-Chlorophenyl phenyl ether	0.731	0.0416	"	0.831		88.0	27-124				
4-Nitroaniline	0.633	0.0830	"	0.831		76.2	16-128				
4-Nitrophenol	0.721	0.0830	"	0.831		86.8	10-141				
Acenaphthene	0.655	0.0416	"	0.831		78.9	30-121				
Acenaphthylene	0.589	0.0416	"	0.831		71.0	30-115				
Acetophenone	0.590	0.0416	"	0.831		71.1	20-112				
Aniline	0.368	0.166	"	0.831		44.3	10-119				
Anthracene	0.722	0.0416	"	0.831		86.9	34-118				
Atrazine	0.732	0.0416	"	0.831		88.2	26-112				
Benzaldehyde	0.691	0.0416	"	0.831		83.2	21-100				
Benzo(a)anthracene	0.721	0.0416	"	0.831		86.8	32-122				
Benzo(a)pyrene	0.769	0.0416	"	0.831		92.6	29-133				
Benzo(b)fluoranthene	0.827	0.0416	"	0.831		99.5	25-133				
Benzo(g,h,i)perylene	0.793	0.0416	"	0.831		95.5	10-143				
Benzo(k)fluoranthene	0.731	0.0416	"	0.831		88.0	25-128				
Benzoic acid	0.593	0.0416	"	0.831		71.4	10-140				
Benzyl alcohol	0.638	0.0416	"	0.831		76.8	30-115				
Benzyl butyl phthalate	0.596	0.0416	"	0.831		71.8	26-126				
Bis(2-chloroethoxy)methane	0.578	0.0416	"	0.831		69.6	19-132				
Bis(2-chloroethyl)ether	0.548	0.0416	"	0.831		65.9	19-125				
Bis(2-chloroisopropyl)ether	0.728	0.0416	"	0.831		87.7	20-135				
Bis(2-ethylhexyl)phthalate	0.633	0.0416	"	0.831		76.2	10-155				
Caprolactam	0.664	0.0830	"	0.831		79.9	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 BB00151 - EPA 3550C

LCS (BB00151-BS1)

Prepared & Analyzed: 02/05/2020

Carbazole	0.665	0.0416	mg/kg wet	0.831		80.0	35-123				
Chrysene	0.715	0.0416	"	0.831		86.0	32-123				
Dibenzo(a,h)anthracene	1.03	0.0416	"	0.831		124	10-136				
Dibenzofuran	0.675	0.0416	"	0.831		81.2	29-121				
Diethyl phthalate	0.698	0.0416	"	0.831		84.1	34-116				
Dimethyl phthalate	0.684	0.0416	"	0.831		82.3	35-124				
Di-n-butyl phthalate	0.665	0.0416	"	0.831		80.0	31-116				
Di-n-octyl phthalate	0.704	0.0416	"	0.831		84.8	26-136				
Fluoranthene	0.785	0.0416	"	0.831		94.5	33-122				
Fluorene	0.687	0.0416	"	0.831		82.8	29-123				
Hexachlorobenzene	0.640	0.0416	"	0.831		77.0	21-124				
Hexachlorobutadiene	0.780	0.0416	"	0.831		93.9	10-149				
Hexachlorocyclopentadiene	0.354	0.0416	"	0.831		42.6	10-129				
Hexachloroethane	0.570	0.0416	"	0.831		68.6	28-108				
Indeno(1,2,3-cd)pyrene	0.879	0.0416	"	0.831		106	10-135				
Isophorone	0.649	0.0416	"	0.831		78.2	20-132				
Naphthalene	0.665	0.0416	"	0.831		80.1	23-124				
Nitrobenzene	0.651	0.0416	"	0.831		78.4	13-132				
N-Nitrosodimethylamine	0.526	0.0416	"	0.831		63.3	11-129				
N-nitroso-di-n-propylamine	0.647	0.0416	"	0.831		77.9	24-119				
N-Nitrosodiphenylamine	0.795	0.0416	"	0.831		95.7	22-152				
Pentachlorophenol	0.721	0.0416	"	0.831		86.8	10-139				
Phenanthrene	0.734	0.0416	"	0.831		88.4	33-123				
Phenol	0.588	0.0416	"	0.831		70.8	23-115				
Pyrene	0.662	0.0416	"	0.831		79.8	32-130				
Pyridine	0.380	0.166	"	0.831		45.8	10-91				
Surrogate: SURR: 2-Fluorophenol	0.998		"	1.66		60.1	20-108				
Surrogate: SURR: Phenol-d5	1.08		"	1.66		65.0	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.611		"	0.831		73.5	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.610		"	0.831		73.4	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	1.84		"	1.66		111	19-110				
Surrogate: SURR: Terphenyl-d14	0.772		"	0.831		92.9	24-116				



Semivolatile Organic Compounds by GC/MS/SIM - 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 BB00006 - EPA 3550C

Blank (BB00006-BLK1)

Prepared: 02/03/2020 Analyzed: 02/06/2020

1,4-Dioxane	ND	10.0	ug/kg								
Surrogate: 1,4-Dioxane-d8	210		"	250		84.0	39-88				

LCS (BB00006-BS1)

Prepared: 02/03/2020 Analyzed: 02/06/2020

1,4-Dioxane	120	10.0	ug/kg	250		48.0	40-130				
Surrogate: 1,4-Dioxane-d8	220		"	250		88.0	39-88				



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 BB00197 - EPA 3550C

Blank (BB00197-BLK1)

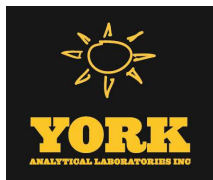
Prepared: 02/05/2020 Analyzed: 02/06/2020

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	"								
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	0.00164	"								
Toxaphene	ND	0.164	"								
Chlordane, total	ND	0.0329	"								
Surrogate: Decachlorobiphenyl	0.0636		"	0.0664		95.7	30-150				
Surrogate: Tetrachloro-m-xylene	0.0656		"	0.0664		98.7	30-150				

LCS (BB00197-BS1)

Prepared: 02/05/2020 Analyzed: 02/06/2020

4,4'-DDD	0.0358	0.00164	mg/kg wet	0.0332		108	40-140				
4,4'-DDE	0.0356	0.00164	"	0.0332		107	40-140				
4,4'-DDT	0.0386	0.00164	"	0.0332		116	40-140				
Aldrin	0.0338	0.00164	"	0.0332		102	40-140				
alpha-BHC	0.0338	0.00164	"	0.0332		102	40-140				
alpha-Chlordane	0.0349	0.00164	"	0.0332		105	40-140				
beta-BHC	0.0373	0.00164	"	0.0332		112	40-140				
delta-BHC	0.0341	0.00164	"	0.0332		103	40-140				
Dieldrin	0.0353	0.00164	"	0.0332		106	40-140				
Endosulfan I	0.0363	0.00164	"	0.0332		109	40-140				
Endosulfan II	0.0355	0.00164	"	0.0332		107	40-140				
Endosulfan sulfate	0.0338	0.00164	"	0.0332		102	40-140				
Endrin	0.0373	0.00164	"	0.0332		112	40-140				
Endrin aldehyde	0.0330	0.00164	"	0.0332		99.4	40-140				
Endrin ketone	0.0366	0.00164	"	0.0332		110	40-140				
gamma-BHC (Lindane)	0.0339	0.00164	"	0.0332		102	40-140				
gamma-Chlordane	0.0341	0.00164	"	0.0332		103	40-140				
Heptachlor	0.0375	0.00164	"	0.0332		113	40-140				
Heptachlor epoxide	0.0358	0.00164	"	0.0332		108	40-140				
Methoxychlor	0.0409	0.00164	"	0.0332		123	40-140				
Surrogate: Decachlorobiphenyl	0.0827		"	0.0664		124	30-150				
Surrogate: Tetrachloro-m-xylene	0.0755		"	0.0664		114	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 Y0A2002 - BA00785

Performance Mix (Y0A2002-PEM1)

Prepared & Analyzed: 01/17/2020

4,4'-DDD	12.6		ng/mL	0.00			0-200			
4,4'-DDE	5.62		"	0.00			0-200			
4,4'-DDT	290		"	200		145	0-200			
Endrin	113		"	100		113	0-200			
Endrin aldehyde	3.25		"	0.00			0-200			
Endrin ketone	5.72		"	0.00			0-200			

Batch Y0B0607 - BB00154

Performance Mix (Y0B0607-PEM1)

Prepared & Analyzed: 02/05/2020

4,4'-DDD	14.1		ng/mL	0.00			0-200			
4,4'-DDE	1.50		"	0.00			0-200			
4,4'-DDT	236		"	200		118	0-200			
Endrin	113		"	100		113	0-200			
Endrin aldehyde	1.15		"	0.00			0-200			
Endrin ketone	9.11		"	0.00			0-200			

Performance Mix (Y0B0607-PEM2)

Prepared & Analyzed: 02/05/2020

4,4'-DDD	14.1		ng/mL	0.00			0-200			
4,4'-DDE	0.992		"	0.00			0-200			
4,4'-DDT	227		"	200		114	0-200			
Endrin	103		"	100		103	0-200			
Endrin aldehyde	0.726		"	0.00			0-200			
Endrin ketone	5.67		"	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 BB00122 - EPA 3550C

Blank (BB00122-BLK2)

Prepared: 02/04/2020 Analyzed: 02/05/2020

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	0.0575		"	0.0664		86.5	30-120				
Surrogate: Decachlorobiphenyl	0.0435		"	0.0664		65.5	30-120				

LCS (BB00122-BS2)

Prepared: 02/04/2020 Analyzed: 02/05/2020

Aroclor 1016	0.285	0.0166	mg/kg wet	0.332		85.9	40-130				
Aroclor 1260	0.281	0.0166	"	0.332		84.7	40-130				
Surrogate: Tetrachloro-m-xylene	0.0571		"	0.0664		86.0	30-120				
Surrogate: Decachlorobiphenyl	0.0495		"	0.0664		74.5	30-120				

Batch BB00197 - EPA 3550C

Blank (BB00197-BLK2)

Prepared: 02/05/2020 Analyzed: 02/06/2020

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	0.0688		"	0.0664		104	30-120				
Surrogate: Decachlorobiphenyl	0.0648		"	0.0664		97.5	30-120				



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 BB00197 - EPA 3550C

LCS (BB00197-BS2)

Prepared: 02/05/2020 Analyzed: 02/06/2020

Aroclor 1016	0.329	0.0166	mg/kg wet	0.332		99.1	40-130				
Aroclor 1260	0.331	0.0166	"	0.332		99.7	40-130				
Surrogate: Tetrachloro-m-xylene	0.0641		"	0.0664		96.5	30-120				
Surrogate: Decachlorobiphenyl	0.0621		"	0.0664		93.5	30-120				



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 BB00004 - EPA 3550C/8151A

Blank (BB00004-BLK1)

Prepared & Analyzed: 02/03/2020

2,4,5-T	ND	0.0199	mg/kg wet								
2,4,5-TP (Silvex)	ND	0.0199	"								
2,4-D	ND	0.0199	"								
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	0.434		"	0.498		87.2	21-150				

LCS (BB00004-BS1)

Prepared & Analyzed: 02/03/2020

2,4,5-T	0.104	0.0199	mg/kg wet	0.159		65.0	10-120				
2,4,5-TP (Silvex)	0.121	0.0199	"	0.159		75.6	10-120				
2,4-D	0.114	0.0199	"	0.159		71.2	10-118				
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	0.523		"	0.498		105	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 BB00021 - EPA 3050B

Blank (BB00021-BLK1)

Prepared: 02/03/2020 Analyzed: 02/04/2020

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	"

Reference (BB00021-SRM1)

Prepared: 02/03/2020 Analyzed: 02/04/2020

Aluminum	8780	5.00	mg/kg wet	7700	114	49.4-150.6
Antimony	24.1	2.50	"	40.0	60.2	21.58-292.5
Arsenic	134	1.50	"	125	107	69.8-129.6
Barium	562	2.50	"	529	106	75-125.1
Beryllium	152	0.050	"	155	98.1	74.8-125.2
Cadmium	36.8	0.300	"	37.7	97.6	74.8-124.9
Calcium	4880	5.00	"	4720	103	72.5-127.3
Chromium	60.0	0.500	"	58.3	103	70-130
Cobalt	206	0.400	"	196	105	75-125
Copper	81.9	2.00	"	78.0	105	75-125
Iron	15500	25.0	"	13800	113	34.4-165.9
Lead	119	0.500	"	111	107	70.9-128.8
Magnesium	2410	5.00	"	2240	108	61.6-138.4
Manganese	322	0.500	"	310	104	74.5-125.2
Nickel	346	1.00	"	333	104	70-130
Potassium	2230	5.00	"	1970	113	58.4-141.1
Selenium	223	2.50	"	251	88.9	69.3-131.1
Silver	26.4	0.500	"	27.2	96.9	67.6-132
Sodium	231	50.0	"	220	105	48.2-151.8
Thallium	253	2.50	"	241	105	72.6-127.4
Vanadium	125	1.00	"	125	99.7	70.2-129.6
Zinc	354	2.50	"	351	101	69.8-129.9



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 BB00032 - EPA 7473 soil

Blank (BB00032-BLK1)

Prepared & Analyzed: 02/03/2020

Mercury ND 0.0300 mg/kg wet

Reference (BB00032-SRM1)

Prepared & Analyzed: 02/03/2020

Mercury 3.1633 mg/kg 3.71 85.3 65-135



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
20A1125-01	MW-4 (2-7)	40mL Vial with Stir Bar-Cool 4° C
20A1125-02	MW-5 (5-9)	40mL Vial with Stir Bar-Cool 4° C
20A1125-03	GB-9 (8-12)	40mL Vial with Stir Bar-Cool 4° C
20A1125-04	GB-11 (8-12)	40mL Vial with Stir Bar-Cool 4° C



Sample and Data Qualifiers Relating to This Work Order

S-GC	Two surrogates are used for this analysis. One surrogate recovered within control limits therefore the analysis is acceptable.
S-08	The recovery of this surrogate was outside of QC limits.
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-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.
CCV-L	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 low.
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.

YORK

ANALYTICAL LABORATORIES, INC.

120 RESEARCH DR. STRATFORD, CT 06615
(203) 325-1371 FAX (203) 357-0166

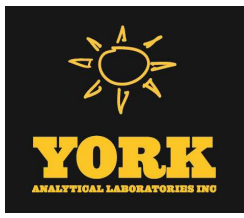
Field Chain-of-Custody Record

NOTE: York's Std. Terms & Conditions are listed on the back side of this document.
This document serves as your written authorization to York to proceed with the analyses requested and your signature binds you to York's Std. Terms & Conditions.

Page 1 of 1

York Project No. 20A1125

YOUR INFORMATION Company: <u>HES, Inc.</u> Address: <u>One Deans Bridge Road</u> <u>Somers, New York 10589</u> Phone No. <u>(914) 276-2560</u> Contact Person: _____ E-Mail Address: _____		Report To: Company: <u>Same</u> Address: _____ Phone No. _____ Attention: _____ E-Mail Address: _____		Invoice To: Company: <u>Same</u> Address: _____ Phone No. _____ Attention: _____ E-Mail Address: _____		YOUR PROJECT ID <u>130 M. Dand</u> <u>Avenue,</u> <u>Port Chester,</u> <u>New York</u> Samples from: CT <u>NY</u> NJ <u>NY</u>		Turn-Around Time RUSH - Same Day ☐ RUSH - Next Day ☐ RUSH - Two Day ☐ RUSH - Three Day ☐ RUSH - Four Day ☐ Standard (5-7 Days) ☒		Report Type Summary Report ☒ Summary w/ QA Summary ☐ CT RCP Package ☐ CT RCP DQADUE Pkg ☐ NY ASP A Package ☐ NY ASP B Package ☒ NJDEP Red. Deliv. ☐ <u>Electronic Data Deliverables (EDD)</u> Simple Excel ☐ NYSDEC EQULS ☒ EQULS (std) ☐ EZ-EDD (EQULS) ☐ NJDEP SRP HazSite EDD ☐ GIS/KEY (std) ☐ Other ☐ York Regulatory Comparison ☐ Excel Spreadsheet ☐ Compare to the following Regs. (please fill in): _____					
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 S - soil Other - specify (oil, etc.) WW - wastewater GW - groundwater DW - drinking water Air-A - ambient air Air-SV - soil vapor		Volatiles 8260 full 624 STARS list BTX MTBE TCL list TAGM list CT RCP list Arom. only Halog. only App. IX list 8021B list		Semi-Vols. 8270 or 625 STARS list BN Only Acids Only PAH list TAGM list CT RCP list TCL list NUDEP list App. IX SPLP or TCLP TCLP Herb Chlordane 608 Pest SPLP or TCLP 608 PCB		Metals RCRA8 PP13 list TAL CT15 list TAGM list NUDEP list Total Dissolved SPLP or TCLP Indic. Metals LIST Below		Misc. Org. TPH GRO TPH DRO CT ETPH NY 310-13 TPH 1664 Air TO14A Air TO15 Air STARS Air VPH Air TICs Methane Helium		Full Lists Pri. Poll. TCL Organics TAL MetCN Full TCLP Flash Point Sieve Anal. Heierotrophs TOX BTU/lb. Part 360-Aquatic Tox Part 360-Respiratory Tox NYDEP Sewer Asbestos Silica		Container Description(s) <u>(2) 80r (3) VOA</u> <u>I</u>	
Sample Identification <u>MW-4 (2-7)</u> <u>MW-5 (5-9)</u> <u>GT-9 (8-12)</u> <u>GT-11 (8-12)</u>		Date Sampled <u>1/30/20</u> <u>I</u>		Sample Matrix <u>S</u> <u>I</u> <u>I</u>		Choose Analyses Needed from the Menu Above and Enter Below		Comments		Preservation Check these Applicable Special Instructions Field Filled ☐ Lab to Filter ☐		Temperature on Receipt <u>1.5 °C</u>			



Technical Report

prepared for:

Hydro Environmental Solutions

One Deans Bridge Road

Somers NY, 10589

Attention: Bill Canavan

Report Date: 02/11/2020

Client Project ID: 130 Midland Avenue, Port Chester, New York

York Project (SDG) No.: 20B0003

CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037



New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

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FAX (203) 357-0166

RICHMOND HILL, NY 11418
ClientServices@yorklab.com

Hydro Environmental Solutions

One Deans Bridge Road
Somers NY, 10589
Attention: Bill Canavan

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 February 03, 2020 and listed below. The project was identified as your project: **130 Midland Avenue, Port Chester, New York.**

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>
20B0003-01	GB-12 (1-4)	Soil	01/31/2020	02/03/2020

General Notes for York Project (SDG) No.: 20B0003

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:



Benjamin Gulizia
Laboratory Director

Date: 02/11/2020





Sample Information

Client Sample ID: GB-12 (1-4)

York Sample ID: 20B0003-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20B0003

130 Midland Avenue, Port Chester, New York

Soil

January 31, 2020 12:00 am

02/03/2020

Volatiles, 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	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 07:30	02/04/2020 17:04	SS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 07:30	02/04/2020 17:04	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 07:30	02/04/2020 17:04	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	02/04/2020 07:30	02/04/2020 17:04	SS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 07:30	02/04/2020 17:04	SS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 07:30	02/04/2020 17:04	SS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 07:30	02/04/2020 17:04	SS
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 07:30	02/04/2020 17:04	SS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 07:30	02/04/2020 17:04	SS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	02/04/2020 07:30	02/04/2020 17:04	SS
95-93-2	* 1,2,4,5-Tetramethylbenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications:	02/04/2020 07:30	02/04/2020 17:04	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 07:30	02/04/2020 17:04	SS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 07:30	02/04/2020 17:04	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 07:30	02/04/2020 17:04	SS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 07:30	02/04/2020 17:04	SS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 07:30	02/04/2020 17:04	SS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 07:30	02/04/2020 17:04	SS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 07:30	02/04/2020 17:04	SS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 07:30	02/04/2020 17:04	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 07:30	02/04/2020 17:04	SS
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 07:30	02/04/2020 17:04	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 07:30	02/04/2020 17:04	SS



Sample Information

Client Sample ID: GB-12 (1-4)

York Sample ID: 20B0003-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20B0003

130 Midland Avenue, Port Chester, New York

Soil

January 31, 2020 12:00 am

02/03/2020

Volatiles, 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
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.049	0.098	1	EPA 8260C Certifications:	02/04/2020 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 17:04	SS
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications:	02/04/2020 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP	02/04/2020 17:04	SS
78-93-3	2-Butanone	0.0056		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications:	02/04/2020 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 17:04	SS
110-75-8	2-Chloroethylvinyl ether	ND		mg/kg dry	0.0098	0.020	1	EPA 8260C Certifications:	02/04/2020 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 17:04	SS
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications:	02/04/2020 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 17:04	SS
591-78-6	2-Hexanone	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications:	02/04/2020 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 17:04	SS
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications:	02/04/2020 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 17:04	SS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications:	02/04/2020 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 17:04	SS
67-64-1	Acetone	0.033		mg/kg dry	0.0049	0.0098	1	EPA 8260C Certifications:	02/04/2020 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 17:04	SS
107-02-8	Acrolein	ND		mg/kg dry	0.0049	0.0098	1	EPA 8260C Certifications:	02/04/2020 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 17:04	SS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications:	02/04/2020 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 17:04	SS
71-43-2	Benzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications:	02/04/2020 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 17:04	SS
108-86-1	Bromobenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications:	02/04/2020 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 17:04	SS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications:	02/04/2020 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 17:04	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications:	02/04/2020 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 17:04	SS
75-25-2	Bromoform	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications:	02/04/2020 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 17:04	SS
74-83-9	Bromomethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications:	02/04/2020 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 17:04	SS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications:	02/04/2020 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 17:04	SS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications:	02/04/2020 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 17:04	SS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications:	02/04/2020 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 17:04	SS
75-00-3	Chloroethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications:	02/04/2020 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 17:04	SS
67-66-3	Chloroform	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications:	02/04/2020 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 17:04	SS
74-87-3	Chloromethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications:	02/04/2020 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 17:04	SS



Sample Information

Client Sample ID: GB-12 (1-4)

York Sample ID: 20B0003-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20B0003

130 Midland Avenue, Port Chester, New York

Soil

January 31, 2020 12:00 am

02/03/2020

Volatiles, 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
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 07:30	02/04/2020 17:04	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 07:30	02/04/2020 17:04	SS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 07:30	02/04/2020 17:04	SS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 07:30	02/04/2020 17:04	SS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 07:30	02/04/2020 17:04	SS
75-71-8	Dichlorodifluoromethane	0.016		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 07:30	02/04/2020 17:04	SS
108-20-3	* Diisopropyl ether (DIPE)	ND		mg/kg dry	0.0039	0.0079	1	EPA 8260C Certifications:	02/04/2020 07:30	02/04/2020 17:04	SS
64-17-5	* Ethanol	ND		mg/kg dry	0.039	0.079	1	EPA 8260C Certifications:	02/04/2020 07:30	02/04/2020 17:04	SS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 07:30	02/04/2020 17:04	SS
637-92-3	* Ethyl tert-butyl ether (ETBE)	ND		mg/kg dry	0.0039	0.0079	1	EPA 8260C Certifications:	02/04/2020 07:30	02/04/2020 17:04	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 07:30	02/04/2020 17:04	SS
74-88-4	* Iodomethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications:	02/04/2020 07:30	02/04/2020 17:04	SS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 07:30	02/04/2020 17:04	SS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 07:30	02/04/2020 17:04	SS
80-62-6	Methyl Methacrylate	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	02/04/2020 07:30	02/04/2020 17:04	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 07:30	02/04/2020 17:04	SS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 07:30	02/04/2020 17:04	SS
75-09-2	Methylene chloride	ND		mg/kg dry	0.0049	0.0098	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 07:30	02/04/2020 17:04	SS
91-20-3	Naphthalene	0.0028	J	mg/kg dry	0.0025	0.0098	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 07:30	02/04/2020 17:04	SS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 07:30	02/04/2020 17:04	SS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 07:30	02/04/2020 17:04	SS
95-47-6	o-Xylene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 07:30	02/04/2020 17:04	SS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0049	0.0098	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 07:30	02/04/2020 17:04	SS



Sample Information

Client Sample ID: GB-12 (1-4)

York Sample ID: 20B0003-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20B0003

130 Midland Avenue, Port Chester, New York

Soil

January 31, 2020 12:00 am

02/03/2020

Volatiles, 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
105-05-5	* p-Diethylbenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications:	02/04/2020 07:30	02/04/2020 17:04	SS
622-96-8	* p-Ethyltoluene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications:	02/04/2020 07:30	02/04/2020 17:04	SS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 07:30	02/04/2020 17:04	SS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 07:30	02/04/2020 17:04	SS
100-42-5	Styrene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 07:30	02/04/2020 17:04	SS
75-85-4	* tert-Amyl alcohol (TAA)	ND		mg/kg dry	0.039	0.079	1	EPA 8260C Certifications:	02/04/2020 07:30	02/04/2020 17:04	SS
994-05-8	* tert-Amyl methyl ether (TAME)	ND		mg/kg dry	0.0039	0.0079	1	EPA 8260C Certifications:	02/04/2020 07:30	02/04/2020 17:04	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 07:30	02/04/2020 17:04	SS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 07:30	02/04/2020 17:04	SS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 07:30	02/04/2020 17:04	SS
109-99-9	* Tetrahydrofuran	ND		mg/kg dry	0.0049	0.0098	1	EPA 8260C Certifications:	02/04/2020 07:30	02/04/2020 17:04	SS
108-88-3	Toluene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 07:30	02/04/2020 17:04	SS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 07:30	02/04/2020 17:04	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 07:30	02/04/2020 17:04	SS
110-57-6	* trans-1,4-dichloro-2-butene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH	02/04/2020 07:30	02/04/2020 17:04	SS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 07:30	02/04/2020 17:04	SS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 07:30	02/04/2020 17:04	SS
108-05-4	Vinyl acetate	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 07:30	02/04/2020 17:04	SS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2020 07:30	02/04/2020 17:04	SS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0074	0.015	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	02/04/2020 07:30	02/04/2020 17:04	SS
107-05-1	* Allyl chloride	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications:	02/04/2020 07:30	02/04/2020 17:04	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURRE: 1,2-Dichloroethane-d4	104 %	77-125								
2037-26-5	Surrogate: SURRE: Toluene-d8	93.5 %	85-120								



Sample Information

Client Sample ID: GB-12 (1-4)

York Sample ID: 20B0003-01

York Project (SDG) No.

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Matrix

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20B0003

130 Midland Avenue, Port Chester, New York

Soil

January 31, 2020 12:00 am

02/03/2020

Volatiles, 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
460-00-4	Surrogate: SURR: <i>p</i> -Bromofluorobenzene	97.2 %			76-130						

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

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	0.0507	J	mg/kg dry	0.0442	0.0881	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2020 13:30	02/07/2020 02:21	OW
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0881	0.176	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2020 13:30	02/07/2020 02:21	OW
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0442	0.0881	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 13:30	02/07/2020 02:21	OW
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0442	0.0881	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/05/2020 13:30	02/07/2020 02:21	OW
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0442	0.0881	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2020 13:30	02/07/2020 02:21	OW
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0442	0.0881	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/05/2020 13:30	02/07/2020 02:21	OW
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0442	0.0881	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/05/2020 13:30	02/07/2020 02:21	OW
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0881	0.176	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2020 13:30	02/07/2020 02:21	OW
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0442	0.0881	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 13:30	02/07/2020 02:21	OW
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0442	0.0881	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 13:30	02/07/2020 02:21	OW
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0442	0.0881	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 13:30	02/07/2020 02:21	OW
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0442	0.0881	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 13:30	02/07/2020 02:21	OW
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0881	0.176	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 13:30	02/07/2020 02:21	OW
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0442	0.0881	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 13:30	02/07/2020 02:21	OW
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0442	0.0881	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 13:30	02/07/2020 02:21	OW
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0442	0.0881	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 13:30	02/07/2020 02:21	OW
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0442	0.0881	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 13:30	02/07/2020 02:21	OW
91-57-6	2-Methylnaphthalene	0.206		mg/kg dry	0.0442	0.0881	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 13:30	02/07/2020 02:21	OW
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0442	0.0881	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 13:30	02/07/2020 02:21	OW



Sample Information

Client Sample ID: GB-12 (1-4)

York Sample ID: 20B0003-01

York Project (SDG) No.

Client Project ID

Matrix

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20B0003

130 Midland Avenue, Port Chester, New York

Soil

January 31, 2020 12:00 am

02/03/2020

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0881	0.176	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 13:30	02/07/2020 02:21	OW
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0442	0.0881	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 13:30	02/07/2020 02:21	OW
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0442	0.0881	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 13:30	02/07/2020 02:21	OW
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0442	0.0881	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2020 13:30	02/07/2020 02:21	OW
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0881	0.176	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 13:30	02/07/2020 02:21	OW
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0881	0.176	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 13:30	02/07/2020 02:21	OW
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0442	0.0881	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 13:30	02/07/2020 02:21	OW
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0442	0.0881	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 13:30	02/07/2020 02:21	OW
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0442	0.0881	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 13:30	02/07/2020 02:21	OW
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0442	0.0881	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 13:30	02/07/2020 02:21	OW
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0881	0.176	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 13:30	02/07/2020 02:21	OW
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0881	0.176	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 13:30	02/07/2020 02:21	OW
83-32-9	Acenaphthene	0.392		mg/kg dry	0.0442	0.0881	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 13:30	02/07/2020 02:21	OW
208-96-8	Acenaphthylene	0.0789	J	mg/kg dry	0.0442	0.0881	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 13:30	02/07/2020 02:21	OW
98-86-2	Acetophenone	ND		mg/kg dry	0.0442	0.0881	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2020 13:30	02/07/2020 02:21	OW
62-53-3	Aniline	ND		mg/kg dry	0.176	0.353	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2020 13:30	02/07/2020 02:21	OW
120-12-7	Anthracene	0.687		mg/kg dry	0.0442	0.0881	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 13:30	02/07/2020 02:21	OW
1912-24-9	Atrazine	ND		mg/kg dry	0.0442	0.0881	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2020 13:30	02/07/2020 02:21	OW
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0442	0.0881	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2020 13:30	02/07/2020 02:21	OW
92-87-5	Benzidine	ND		mg/kg dry	0.176	0.353	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	02/05/2020 13:30	02/07/2020 02:21	OW
56-55-3	Benzo(a)anthracene	1.21		mg/kg dry	0.0442	0.0881	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 13:30	02/07/2020 02:21	OW
50-32-8	Benzo(a)pyrene	1.44		mg/kg dry	0.0442	0.0881	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 13:30	02/07/2020 02:21	OW
205-99-2	Benzo(b)fluoranthene	1.16		mg/kg dry	0.0442	0.0881	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 13:30	02/07/2020 02:21	OW



Sample Information

Client Sample ID: GB-12 (1-4)

York Sample ID: 20B0003-01

York Project (SDG) No.

Client Project ID

Matrix

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20B0003

130 Midland Avenue, Port Chester, New York

Soil

January 31, 2020 12:00 am

02/03/2020

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
191-24-2	Benzo(g,h,i)perylene	0.820		mg/kg dry	0.0442	0.0881	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 13:30	02/07/2020 02:21	OW
207-08-9	Benzo(k)fluoranthene	1.08		mg/kg dry	0.0442	0.0881	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 13:30	02/07/2020 02:21	OW
65-85-0	Benzoic acid	ND		mg/kg dry	0.0442	0.0881	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2020 13:30	02/07/2020 02:21	OW
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0442	0.0881	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2020 13:30	02/07/2020 02:21	OW
85-68-7	Benzyl butyl phthalate	0.380		mg/kg dry	0.0442	0.0881	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 13:30	02/07/2020 02:21	OW
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0442	0.0881	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 13:30	02/07/2020 02:21	OW
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0442	0.0881	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 13:30	02/07/2020 02:21	OW
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0442	0.0881	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 13:30	02/07/2020 02:21	OW
117-81-7	Bis(2-ethylhexyl)phthalate	0.200		mg/kg dry	0.0442	0.0881	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 13:30	02/07/2020 02:21	OW
105-60-2	Caprolactam	ND		mg/kg dry	0.0881	0.176	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2020 13:30	02/07/2020 02:21	OW
86-74-8	Carbazole	0.277		mg/kg dry	0.0442	0.0881	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 13:30	02/07/2020 02:21	OW
218-01-9	Chrysene	1.15		mg/kg dry	0.0442	0.0881	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 13:30	02/07/2020 02:21	OW
53-70-3	Dibenzo(a,h)anthracene	0.366	CCV-H	mg/kg dry	0.0442	0.0881	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 13:30	02/07/2020 02:21	OW
132-64-9	Dibenzofuran	0.259		mg/kg dry	0.0442	0.0881	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 13:30	02/07/2020 02:21	OW
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0442	0.0881	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 13:30	02/07/2020 02:21	OW
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0442	0.0881	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 13:30	02/07/2020 02:21	OW
84-74-2	Di-n-butyl phthalate	0.0627	J	mg/kg dry	0.0442	0.0881	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 13:30	02/07/2020 02:21	OW
117-84-0	Di-n-octyl phthalate	0.0662	J	mg/kg dry	0.0442	0.0881	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 13:30	02/07/2020 02:21	OW
206-44-0	Fluoranthene	3.27		mg/kg dry	0.110	0.220	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 13:30	02/07/2020 13:49	OW
86-73-7	Fluorene	0.397		mg/kg dry	0.0442	0.0881	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2020 13:30	02/07/2020 02:21	OW
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0442	0.0881	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 13:30	02/07/2020 02:21	OW
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0442	0.0881	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 13:30	02/07/2020 02:21	OW



Sample Information

Client Sample ID: GB-12 (1-4)

York Sample ID: 20B0003-01

York Project (SDG) No.

Client Project ID

Matrix

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20B0003

130 Midland Avenue, Port Chester, New York

Soil

January 31, 2020 12:00 am

02/03/2020

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
77-47-4	Hexachlorocyclopentadiene	ND	CCV-L	mg/kg dry	0.0442	0.0881	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 13:30	02/07/2020 02:21	OW
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0442	0.0881	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 13:30	02/07/2020 02:21	OW
193-39-5	Indeno(1,2,3-cd)pyrene	0.792		mg/kg dry	0.0442	0.0881	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 13:30	02/07/2020 02:21	OW
78-59-1	Isophorone	ND		mg/kg dry	0.0442	0.0881	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 13:30	02/07/2020 02:21	OW
91-20-3	Naphthalene	0.628		mg/kg dry	0.0442	0.0881	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 13:30	02/07/2020 02:21	OW
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0442	0.0881	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 13:30	02/07/2020 02:21	OW
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0442	0.0881	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 13:30	02/07/2020 02:21	OW
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0442	0.0881	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 13:30	02/07/2020 02:21	OW
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0442	0.0881	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 13:30	02/07/2020 02:21	OW
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0442	0.0881	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 13:30	02/07/2020 02:21	OW
85-01-8	Phenanthrene	2.50		mg/kg dry	0.0442	0.0881	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 13:30	02/07/2020 02:21	OW
108-95-2	Phenol	ND		mg/kg dry	0.0442	0.0881	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 13:30	02/07/2020 02:21	OW
129-00-0	Pyrene	1.93		mg/kg dry	0.0442	0.0881	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 13:30	02/07/2020 02:21	OW
110-86-1	Pyridine	ND		mg/kg dry	0.176	0.353	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 13:30	02/07/2020 02:21	OW
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: SURR: 2-Fluorophenol	50.8 %	20-108								
4165-62-2	Surrogate: SURR: Phenol-d5	55.8 %	23-114								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	68.0 %	22-108								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	68.5 %	21-113								
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	43.9 %	19-110								
1718-51-0	Surrogate: SURR: Terphenyl-d14	77.0 %	24-116								

Semi-Volatiles, 1,4-Dioxane by 8270-SIM

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
123-91-1	1,4-Dioxane	ND		ug/kg	9.71	1	EPA 8270D SIM Certifications: NELAC-NY10854	02/07/2020 07:46	02/10/2020 17:37	KH
Surrogate Recoveries		Result	Acceptance Range							



Sample Information

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Soil

January 31, 2020 12:00 am

02/03/2020

Semi-Volatiles, 1,4-Dioxane by 8270-SIM

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
17647-74-4	Surrogate: 1,4-Dioxane-d8	50.0 %			39-83.1					

Pesticides, 8081 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	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:50	02/05/2020 22:51	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:50	02/05/2020 22:51	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:50	02/05/2020 22:51	CM
309-00-2	Aldrin	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:50	02/05/2020 22:51	CM
319-84-6	alpha-BHC	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:50	02/05/2020 22:51	CM
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	02/05/2020 07:50	02/05/2020 22:51	CM
319-85-7	beta-BHC	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:50	02/05/2020 22:51	CM
319-86-8	delta-BHC	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:50	02/05/2020 22:51	CM
60-57-1	Dieldrin	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:50	02/05/2020 22:51	CM
959-98-8	Endosulfan I	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:50	02/05/2020 22:51	CM
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	02/05/2020 07:50	02/05/2020 22:51	CM
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:50	02/05/2020 22:51	CM
72-20-8	Endrin	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:50	02/05/2020 22:51	CM
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:50	02/05/2020 22:51	CM
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:50	02/05/2020 22:51	CM
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:50	02/05/2020 22:51	CM
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	02/05/2020 07:50	02/05/2020 22:51	CM
76-44-8	Heptachlor	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:50	02/05/2020 22:51	CM
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:50	02/05/2020 22:51	CM
72-43-5	Methoxychlor	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:50	02/05/2020 22:51	CM



Sample Information

Client Sample ID: GB-12 (1-4)

York Sample ID: 20B0003-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20B0003

130 Midland Avenue, Port Chester, New York

Soil

January 31, 2020 12:00 am

02/03/2020

Pesticides, 8081 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
8001-35-2	Toxaphene	ND		mg/kg dry	0.175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2020 07:50	02/05/2020 22:51	CM
57-74-9	* Chlordane, total	ND		mg/kg dry	0.0350	5	EPA 8081B Certifications:	02/05/2020 07:50	02/05/2020 22:51	CM
Surrogate Recoveries		Result		Acceptance Range						
2051-24-3	Surrogate: Decachlorobiphenyl	69.1 %		30-150						
877-09-8	Surrogate: Tetrachloro-m-xylene	49.4 %		30-150						

Polychlorinated Biphenyls (PCB), 8082 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
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0177	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/05/2020 07:50	02/06/2020 11:02	SR
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0177	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/05/2020 07:50	02/06/2020 11:02	SR
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0177	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/05/2020 07:50	02/06/2020 11:02	SR
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0177	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/05/2020 07:50	02/06/2020 11:02	SR
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0177	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/05/2020 07:50	02/06/2020 11:02	SR
11097-69-1	Aroclor 1254	0.0881		mg/kg dry	0.0177	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/05/2020 07:50	02/06/2020 11:02	SR
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0177	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/05/2020 07:50	02/06/2020 11:02	SR
1336-36-3	* Total PCBs	0.0881		mg/kg dry	0.0177	1	EPA 8082A Certifications:	02/05/2020 07:50	02/06/2020 11:02	SR
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	72.5 %		30-120						
2051-24-3	Surrogate: Decachlorobiphenyl	80.0 %		30-120						

Herbicides, 8151 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	0.0212	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 07:47	02/04/2020 19:20	SR
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0212	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 07:47	02/04/2020 19:20	SR
94-75-7	2,4-D	ND		mg/kg dry	0.0212	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 07:47	02/04/2020 19:20	SR
Surrogate Recoveries		Result		Acceptance Range						



Sample Information

Client Sample ID: GB-12 (1-4)

York Sample ID: 20B0003-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20B0003

130 Midland Avenue, Port Chester, New York

Soil

January 31, 2020 12:00 am

02/03/2020

Herbicides, 8151 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
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	61.8 %			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	7450		mg/kg dry	5.32	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 08:39	02/04/2020 16:06	JAM
7440-36-0	Antimony	ND		mg/kg dry	2.66	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 08:39	02/04/2020 16:06	JAM
7440-38-2	Arsenic	10.9		mg/kg dry	1.60	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 08:39	02/04/2020 16:06	JAM
7440-39-3	Barium	221		mg/kg dry	2.66	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 08:39	02/04/2020 16:06	JAM
7440-41-7	Beryllium	ND		mg/kg dry	0.053	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 08:39	02/04/2020 16:06	JAM
7440-43-9	Cadmium	1.76		mg/kg dry	0.319	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 08:39	02/04/2020 16:06	JAM
7440-70-2	Calcium	20800		mg/kg dry	5.32	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 08:39	02/04/2020 16:06	JAM
7440-47-3	Chromium	27.4		mg/kg dry	0.532	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 08:39	02/04/2020 16:06	JAM
7440-48-4	Cobalt	7.31		mg/kg dry	0.425	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 08:39	02/04/2020 16:06	JAM
7440-50-8	Copper	411		mg/kg dry	2.13	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 08:39	02/04/2020 16:06	JAM
7439-89-6	Iron	23300		mg/kg dry	26.6	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 08:39	02/04/2020 16:06	JAM
7439-92-1	Lead	472		mg/kg dry	0.532	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 08:39	02/04/2020 16:06	JAM
7439-95-4	Magnesium	6550		mg/kg dry	5.32	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 08:39	02/04/2020 16:06	JAM
7439-96-5	Manganese	322		mg/kg dry	0.532	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 08:39	02/04/2020 16:06	JAM
7440-02-0	Nickel	23.6		mg/kg dry	1.06	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 08:39	02/04/2020 16:06	JAM
7440-09-7	Potassium	1930	B	mg/kg dry	5.32	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 08:39	02/04/2020 16:06	JAM
7782-49-2	Selenium	ND		mg/kg dry	2.66	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 08:39	02/04/2020 16:06	JAM
7440-22-4	Silver	ND		mg/kg dry	0.532	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2020 08:39	02/04/2020 16:06	JAM



Sample Information

Client Sample ID: GB-12 (1-4)

York Sample ID: 20B0003-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20B0003

130 Midland Avenue, Port Chester, New York

Soil

January 31, 2020 12:00 am

02/03/2020

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
7440-23-5	Sodium	244		mg/kg dry	53.2	1	EPA 6010D	02/04/2020 08:39	02/04/2020 16:06	JAM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-28-0	Thallium	ND		mg/kg dry	2.66	1	EPA 6010D	02/04/2020 08:39	02/04/2020 16:06	JAM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	Vanadium	25.0		mg/kg dry	1.06	1	EPA 6010D	02/04/2020 08:39	02/04/2020 16:06	JAM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	Zinc	398		mg/kg dry	2.66	1	EPA 6010D	02/04/2020 08:39	02/04/2020 16:06	JAM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

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	0.166		mg/kg dry	0.0319	1	EPA 7473	02/03/2020 16:14	02/03/2020 17:46	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	94.0		%	0.100	1	SM 2540G	02/03/2020 16:10	02/04/2020 12:39	JAG
							Certifications:	CTDOH		



Analytical Batch Summary

Batch ID: BB00073 **Preparation Method:** % Solids Prep **Prepared By:** STN

YORK Sample ID	Client Sample ID	Preparation Date
20B0003-01	GB-12 (1-4)	02/03/20

Batch ID: BB00075 **Preparation Method:** EPA 7473 soil **Prepared By:** SY

YORK Sample ID	Client Sample ID	Preparation Date
20B0003-01	GB-12 (1-4)	02/03/20
BB00075-BLK1	Blank	02/03/20
BB00075-SRM1	Reference	02/03/20

Batch ID: BB00083 **Preparation Method:** EPA 3550C/8151A **Prepared By:** CTD

YORK Sample ID	Client Sample ID	Preparation Date
20B0003-01	GB-12 (1-4)	02/04/20
BB00083-BLK1	Blank	02/04/20
BB00083-BS1	LCS	02/04/20

Batch ID: BB00091 **Preparation Method:** EPA 3050B **Prepared By:** SY

YORK Sample ID	Client Sample ID	Preparation Date
20B0003-01	GB-12 (1-4)	02/04/20
BB00091-BLK1	Blank	02/04/20
BB00091-SRM1	Reference	02/04/20

Batch ID: BB00100 **Preparation Method:** EPA 5035A **Prepared By:** MAT

YORK Sample ID	Client Sample ID	Preparation Date
20B0003-01	GB-12 (1-4)	02/04/20
BB00100-BLK1	Blank	02/04/20
BB00100-BLK2	Blank	02/04/20
BB00100-BS1	LCS	02/04/20
BB00100-BSD1	LCS Dup	02/04/20

Batch ID: BB00154 **Preparation Method:** EPA 3550C **Prepared By:** LM

YORK Sample ID	Client Sample ID	Preparation Date
20B0003-01	GB-12 (1-4)	02/05/20
20B0003-01	GB-12 (1-4)	02/05/20
BB00154-BLK1	Blank	02/05/20
BB00154-BLK2	Blank	02/05/20
BB00154-BS1	LCS	02/05/20
BB00154-BS2	LCS	02/05/20



Batch ID: BB00193

Preparation Method: EPA 3550C

Prepared By: CLS2

YORK Sample ID	Client Sample ID	Preparation Date
20B0003-01	GB-12 (1-4)	02/05/20
20B0003-01RE1	GB-12 (1-4)	02/05/20
BB00193-BLK1	Blank	02/05/20
BB00193-BS1	LCS	02/05/20

Batch ID: BB00282

Preparation Method: EPA 3550C

Prepared By: LM

YORK Sample ID	Client Sample ID	Preparation Date
20B0003-01	GB-12 (1-4)	02/07/20
BB00282-BLK1	Blank	02/07/20
BB00282-BS1	LCS	02/07/20



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 BB00100 - EPA 5035A											
Blank (BB00100-BLK1)											
Prepared & Analyzed: 02/04/2020											
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	"								
1,1-Dichloropropylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4,5-Tetramethylbenzene	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	"								
1,3-Dichloropropane	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2,2-Dichloropropane	ND	0.0050	"								
2-Butanone	ND	0.0050	"								
2-Chloroethylvinyl ether	ND	0.020	"								
2-Chlorotoluene	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Chlorotoluene	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	"								
Bromobenzene	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	"								



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 BB00100 - EPA 5035A

Blank (BB00100-BLK1)

Prepared & Analyzed: 02/04/2020

Dibromomethane	ND	0.0050	mg/kg wet								
Dichlorodifluoromethane	ND	0.0050	"								
Diisopropyl ether (DIPE)	ND	0.0080	"								
Ethanol	ND	0.080	"								
Ethyl Benzene	ND	0.0050	"								
Ethyl tert-butyl ether (ETBE)	ND	0.0080	"								
Hexachlorobutadiene	ND	0.0050	"								
Iodomethane	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl Methacrylate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
Naphthalene	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-Diethylbenzene	ND	0.0050	"								
p-Ethyltoluene	ND	0.0050	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Amyl alcohol (TAA)	ND	0.080	"								
tert-Amyl methyl ether (TAME)	ND	0.0080	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Tetrahydrofuran	ND	0.010	"								
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 acetate	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Allyl chloride	ND	0.0050	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	51.7		ug/L	50.0		103	77-125				
Surrogate: SURR: Toluene-d8	47.2		"	50.0		94.3	85-120				
Surrogate: SURR: p-Bromofluorobenzene	47.7		"	50.0		95.5	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 BB00100 - EPA 5035A											
Blank (BB00100-BLK2)										Prepared & Analyzed: 02/04/2020	
1,1,1,2-Tetrachloroethane	ND	0.50	mg/kg wet								
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	"								
1,1-Dichloropropylene	ND	0.50	"								
1,2,3-Trichlorobenzene	ND	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4,5-Tetramethylbenzene	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	"								
1,3-Dichloropropane	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
1,4-Dioxane	ND	10	"								
2,2-Dichloropropane	ND	0.50	"								
2-Butanone	ND	0.50	"								
2-Chloroethylvinyl ether	ND	2.0	"								
2-Chlorotoluene	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Chlorotoluene	ND	0.50	"								
4-Methyl-2-pentanone	ND	0.50	"								
Acetone	ND	1.0	"								
Acrolein	ND	1.0	"								
Acrylonitrile	ND	0.50	"								
Benzene	ND	0.50	"								
Bromobenzene	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	ND	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	"								



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 BB00100 - EPA 5035A

Blank (BB00100-BLK2)

Prepared & Analyzed: 02/04/2020

Dichlorodifluoromethane	ND	0.50	mg/kg wet								
Diisopropyl ether (DIPE)	ND	0.80	"								
Ethanol	ND	8.0	"								
Ethyl Benzene	ND	0.50	"								
Ethyl tert-butyl ether (ETBE)	ND	0.80	"								
Hexachlorobutadiene	ND	0.50	"								
Iodomethane	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl acetate	ND	0.50	"								
Methyl Methacrylate	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylcyclohexane	ND	0.50	"								
Methylene chloride	ND	1.0	"								
Naphthalene	ND	1.0	"								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Diethylbenzene	ND	0.50	"								
p-Ethyltoluene	ND	0.50	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Amyl alcohol (TAA)	ND	8.0	"								
tert-Amyl methyl ether (TAME)	ND	0.80	"								
tert-Butyl alcohol (TBA)	ND	0.50	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Tetrahydrofuran	ND	1.0	"								
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 acetate	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Allyl chloride	ND	0.50	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	50.9		ug/L	50.0		102	77-125				
Surrogate: SURR: Toluene-d8	47.1		"	50.0		94.3	85-120				
Surrogate: SURR: p-Bromofluorobenzene	47.7		"	50.0		95.4	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 BB00100 - EPA 5035A											
LCS (BB00100-BS1)						Prepared & Analyzed: 02/04/2020					
1,1,1,2-Tetrachloroethane	44.2		ug/L	50.0		88.4	75-129				
1,1,1-Trichloroethane	50.7		"	50.0		101	71-137				
1,1,2,2-Tetrachloroethane	42.2		"	50.0		84.4	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	53.6		"	50.0		107	58-146				
1,1,2-Trichloroethane	42.8		"	50.0		85.6	83-123				
1,1-Dichloroethane	46.3		"	50.0		92.6	75-130				
1,1-Dichloroethylene	51.1		"	50.0		102	64-137				
1,1-Dichloropropylene	48.2		"	50.0		96.3	77-127				
1,2,3-Trichlorobenzene	44.7		"	50.0		89.5	81-140				
1,2,3-Trichloropropane	43.3		"	50.0		86.6	81-126				
1,2,4,5-Tetramethylbenzene	43.5		"	50.0		87.0	63-156				
1,2,4-Trichlorobenzene	45.4		"	50.0		90.8	80-141				
1,2,4-Trimethylbenzene	43.9		"	50.0		87.9	84-125				
1,2-Dibromo-3-chloropropane	35.0		"	50.0		70.0	74-142	Low Bias			
1,2-Dibromoethane	45.7		"	50.0		91.4	86-123				
1,2-Dichlorobenzene	43.4		"	50.0		86.8	85-122				
1,2-Dichloroethane	47.6		"	50.0		95.2	71-133				
1,2-Dichloropropane	41.9		"	50.0		83.8	81-122				
1,3,5-Trimethylbenzene	44.0		"	50.0		87.9	82-126				
1,3-Dichlorobenzene	43.1		"	50.0		86.2	84-124				
1,3-Dichloropropane	42.6		"	50.0		85.3	83-123				
1,4-Dichlorobenzene	42.9		"	50.0		85.7	84-124				
1,4-Dioxane	929		"	1050		88.5	10-228				
2,2-Dichloropropane	46.6		"	50.0		93.3	67-136				
2-Butanone	48.4		"	50.0		96.8	58-147				
2-Chloroethylvinyl ether	54.4		"	50.0		109	10-166				
2-Chlorotoluene	40.6		"	50.0		81.1	78-127				
2-Hexanone	42.9		"	50.0		85.9	70-139				
4-Chlorotoluene	42.0		"	50.0		84.0	79-125				
4-Methyl-2-pentanone	43.5		"	50.0		87.0	72-132				
Acetone	40.4		"	50.0		80.7	36-155				
Acrolein	54.4		"	50.0		109	10-238				
Acrylonitrile	48.2		"	50.0		96.5	66-141				
Benzene	48.5		"	50.0		97.0	77-127				
Bromobenzene	41.2		"	50.0		82.5	77-129				
Bromochloromethane	45.2		"	50.0		90.4	74-129				
Bromodichloromethane	43.0		"	50.0		86.1	81-124				
Bromoform	38.6		"	50.0		77.2	80-136	Low Bias			
Bromomethane	45.2		"	50.0		90.4	32-177				
Carbon disulfide	48.8		"	50.0		97.7	10-136				
Carbon tetrachloride	48.8		"	50.0		97.5	66-143				
Chlorobenzene	44.1		"	50.0		88.1	86-120				
Chloroethane	44.2		"	50.0		88.4	51-142				
Chloroform	48.2		"	50.0		96.4	76-131				
Chloromethane	42.8		"	50.0		85.5	49-132				
cis-1,2-Dichloroethylene	47.8		"	50.0		95.5	74-132				
cis-1,3-Dichloropropylene	43.3		"	50.0		86.6	81-129				
Cyclohexane	52.6		"	50.0		105	70-130				
Dibromochloromethane	40.8		"	50.0		81.5	10-200				
Dibromomethane	42.9		"	50.0		85.8	83-124				



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 BB00100 - EPA 5035A

LCS (BB00100-BS1)

Prepared & Analyzed: 02/04/2020

Dichlorodifluoromethane	26.0		ug/L	50.0		52.1	28-158				
Diisopropyl ether (DIPE)	43.5		"	50.0		87.0	70-130				
Ethanol	1.87	0.080	mg/kg wet				70-130				
Ethyl Benzene	44.8		ug/L	50.0		89.6	84-125				
Ethyl tert-butyl ether (ETBE)	46.0		"	50.0		92.1	70-130				
Hexachlorobutadiene	45.4		"	50.0		90.9	83-133				
Iodomethane	56.8		"	50.0		114	70-130				
Isopropylbenzene	42.2		"	50.0		84.5	81-127				
Methyl acetate	44.4		"	50.0		88.8	41-143				
Methyl Methacrylate	43.5		"	50.0		87.0	79-125				
Methyl tert-butyl ether (MTBE)	46.8		"	50.0		93.7	74-131				
Methylcyclohexane	43.5		"	50.0		87.0	70-130				
Methylene chloride	52.1		"	50.0		104	57-141				
Naphthalene	45.9		"	50.0		91.7	86-141				
n-Butylbenzene	50.8		"	50.0		102	80-130				
n-Propylbenzene	42.3		"	50.0		84.5	74-136				
o-Xylene	44.2		"	50.0		88.4	83-123				
p- & m- Xylenes	89.2		"	100		89.2	82-128				
p-Diethylbenzene	49.3		"	50.0		98.6	70-144				
p-Ethyltoluene	46.5		"	50.0		93.0	84-123				
p-Isopropyltoluene	44.4		"	50.0		88.7	85-125				
sec-Butylbenzene	45.4		"	50.0		90.8	83-125				
Styrene	45.9		"	50.0		91.9	86-126				
tert-Amyl alcohol (TAA)	443		"	500		88.6	70-130				
tert-Amyl methyl ether (TAME)	44.5		"	50.0		88.9	70-130				
tert-Butyl alcohol (TBA)	225		"	250		89.8	70-130				
tert-Butylbenzene	37.5		"	50.0		75.0	80-127	Low Bias			
Tetrachloroethylene	42.0		"	50.0		84.1	80-129				
Tetrahydrofuran	47.2		"	50.0		94.4	64-137				
Toluene	44.2		"	50.0		88.4	85-121				
trans-1,2-Dichloroethylene	50.7		"	50.0		101	72-132				
trans-1,3-Dichloropropylene	42.6		"	50.0		85.1	78-132				
trans-1,4-dichloro-2-butene	41.3		"	50.0		82.7	75-135				
Trichloroethylene	45.2		"	50.0		90.4	84-123				
Trichlorofluoromethane	47.0		"	50.0		93.9	62-140				
Vinyl acetate	53.8		"	50.0		108	67-136				
Vinyl Chloride	33.6		"	50.0		67.3	52-130				
Allyl chloride	44.4		"	50.0		88.8	70-130				
Surrogate: SURR: 1,2-Dichloroethane-d4	51.0		"	50.0		102	77-125				
Surrogate: SURR: Toluene-d8	47.2		"	50.0		94.4	85-120				
Surrogate: SURR: p-Bromofluorobenzene	48.5		"	50.0		96.9	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 BB00100 - EPA 5035A											
LCS Dup (BB00100-BSD1)						Prepared & Analyzed: 02/04/2020					
1,1,1,2-Tetrachloroethane	50.1		ug/L	50.0		100	75-129		12.4	30	
1,1,1-Trichloroethane	56.7		"	50.0		113	71-137		11.2	30	
1,1,2,2-Tetrachloroethane	46.4		"	50.0		92.8	79-129		9.53	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	59.8		"	50.0		120	58-146		10.9	30	
1,1,2-Trichloroethane	47.8		"	50.0		95.6	83-123		11.1	30	
1,1-Dichloroethane	51.4		"	50.0		103	75-130		10.4	30	
1,1-Dichloroethylene	56.3		"	50.0		113	64-137		9.59	30	
1,1-Dichloropropylene	53.2		"	50.0		106	77-127		9.98	30	
1,2,3-Trichlorobenzene	49.2		"	50.0		98.4	81-140		9.48	30	
1,2,3-Trichloropropane	47.4		"	50.0		94.9	81-126		9.13	30	
1,2,4,5-Tetramethylbenzene	46.9		"	50.0		93.8	63-156		7.55	30	
1,2,4-Trichlorobenzene	49.6		"	50.0		99.3	80-141		8.90	30	
1,2,4-Trimethylbenzene	47.7		"	50.0		95.3	84-125		8.12	30	
1,2-Dibromo-3-chloropropane	40.3		"	50.0		80.6	74-142		14.1	30	
1,2-Dibromoethane	51.5		"	50.0		103	86-123		12.0	30	
1,2-Dichlorobenzene	47.8		"	50.0		95.5	85-122		9.61	30	
1,2-Dichloroethane	53.6		"	50.0		107	71-133		11.9	30	
1,2-Dichloropropane	46.0		"	50.0		92.0	81-122		9.33	30	
1,3,5-Trimethylbenzene	47.3		"	50.0		94.6	82-126		7.34	30	
1,3-Dichlorobenzene	47.4		"	50.0		94.8	84-124		9.53	30	
1,3-Dichloropropane	47.7		"	50.0		95.4	83-123		11.2	30	
1,4-Dichlorobenzene	47.1		"	50.0		94.2	84-124		9.47	30	
1,4-Dioxane	1030		"	1050		97.7	10-228		9.82	30	
2,2-Dichloropropane	51.0		"	50.0		102	67-136		8.93	30	
2-Butanone	55.9		"	50.0		112	58-147		14.4	30	
2-Chloroethylvinyl ether	59.7		"	50.0		119	10-166		9.25	30	
2-Chlorotoluene	43.9		"	50.0		87.8	78-127		7.91	30	
2-Hexanone	48.7		"	50.0		97.3	70-139		12.5	30	
4-Chlorotoluene	45.9		"	50.0		91.8	79-125		8.83	30	
4-Methyl-2-pentanone	48.1		"	50.0		96.1	72-132		9.96	30	
Acetone	45.9		"	50.0		91.8	36-155		12.9	30	
Acrolein	60.3		"	50.0		121	10-238		10.3	30	
Acrylonitrile	55.0		"	50.0		110	66-141		13.1	30	
Benzene	53.6		"	50.0		107	77-127		10.0	30	
Bromobenzene	45.3		"	50.0		90.6	77-129		9.36	30	
Bromochloromethane	50.6		"	50.0		101	74-129		11.2	30	
Bromodichloromethane	48.6		"	50.0		97.1	81-124		12.1	30	
Bromoform	44.6		"	50.0		89.3	80-136		14.6	30	
Bromomethane	55.3		"	50.0		111	32-177		20.2	30	
Carbon disulfide	56.1		"	50.0		112	10-136		13.8	30	
Carbon tetrachloride	55.5		"	50.0		111	66-143		12.9	30	
Chlorobenzene	48.3		"	50.0		96.6	86-120		9.18	30	
Chloroethane	62.9		"	50.0		126	51-142		34.9	30	Non-dir.
Chloroform	54.0		"	50.0		108	76-131		11.4	30	
Chloromethane	52.6		"	50.0		105	49-132		20.7	30	
cis-1,2-Dichloroethylene	52.7		"	50.0		105	74-132		9.85	30	
cis-1,3-Dichloropropylene	48.0		"	50.0		96.0	81-129		10.3	30	
Cyclohexane	57.9		"	50.0		116	70-130		9.72	30	
Dibromochloromethane	47.0		"	50.0		93.9	10-200		14.1	30	
Dibromomethane	48.7		"	50.0		97.4	83-124		12.6	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 BB00100 - EPA 5035A											
LCS Dup (BB00100-BSD1)						Prepared & Analyzed: 02/04/2020					
Dichlorodifluoromethane	57.4		ug/L	50.0		115	28-158		75.1	30	Non-dir.
Diisopropyl ether (DIPE)	47.9		"	50.0		95.9	70-130		9.71	30	
Ethanol	2.09	0.080	mg/kg wet				70-130		11.2	30	
Ethyl Benzene	48.9		ug/L	50.0		97.8	84-125		8.73	30	
Ethyl tert-butyl ether (ETBE)	51.2		"	50.0		102	70-130		10.7	30	
Hexachlorobutadiene	49.6		"	50.0		99.3	83-133		8.83	30	
Iodomethane	65.9		"	50.0		132	70-130	High Bias	14.8	30	
Isopropylbenzene	45.6		"	50.0		91.2	81-127		7.63	30	
Methyl acetate	50.2		"	50.0		100	41-143		12.3	30	
Methyl Methacrylate	49.1		"	50.0		98.2	79-125		12.0	30	
Methyl tert-butyl ether (MTBE)	52.2		"	50.0		104	74-131		10.8	30	
Methylcyclohexane	47.2		"	50.0		94.5	70-130		8.22	30	
Methylene chloride	57.6		"	50.0		115	57-141		10.0	30	
Naphthalene	50.3		"	50.0		101	86-141		9.23	30	
n-Butylbenzene	54.7		"	50.0		109	80-130		7.35	30	
n-Propylbenzene	45.5		"	50.0		91.1	74-136		7.47	30	
o-Xylene	48.7		"	50.0		97.4	83-123		9.69	30	
p- & m- Xylenes	98.8		"	100		98.8	82-128		10.2	30	
p-Diethylbenzene	52.8		"	50.0		106	70-144		6.83	30	
p-Ethyltoluene	48.6		"	50.0		97.1	84-123		4.33	30	
p-Isopropyltoluene	48.2		"	50.0		96.3	85-125		8.17	30	
sec-Butylbenzene	49.0		"	50.0		97.9	83-125		7.54	30	
Styrene	51.1		"	50.0		102	86-126		10.7	30	
tert-Amyl alcohol (TAA)	529		"	500		106	70-130		17.8	30	
tert-Amyl methyl ether (TAME)	50.1		"	50.0		100	70-130		11.8	30	
tert-Butyl alcohol (TBA)	269		"	250		108	70-130		18.1	30	
tert-Butylbenzene	40.8		"	50.0		81.6	80-127		8.51	30	
Tetrachloroethylene	46.2		"	50.0		92.5	80-129		9.52	30	
Tetrahydrofuran	54.5		"	50.0		109	64-137		14.3	30	
Toluene	48.4		"	50.0		96.7	85-121		8.95	30	
trans-1,2-Dichloroethylene	56.7		"	50.0		113	72-132		11.1	30	
trans-1,3-Dichloropropylene	48.0		"	50.0		96.0	78-132		12.0	30	
trans-1,4-dichloro-2-butene	46.8		"	50.0		93.5	75-135		12.3	30	
Trichloroethylene	49.5		"	50.0		99.0	84-123		9.02	30	
Trichlorofluoromethane	54.2		"	50.0		108	62-140		14.3	30	
Vinyl acetate	59.0		"	50.0		118	67-136		9.24	30	
Vinyl Chloride	54.0		"	50.0		108	52-130		46.5	30	Non-dir.
Allyl chloride	50.2		"	50.0		100	70-130		12.3	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	51.4		"	50.0		103	77-125				
Surrogate: SURR: Toluene-d8	47.1		"	50.0		94.1	85-120				
Surrogate: SURR: p-Bromofluorobenzene	48.3		"	50.0		96.6	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 BB00193 - EPA 3550C

Blank (BB00193-BLK1)

Prepared: 02/05/2020 Analyzed: 02/06/2020

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 BB00193 - EPA 3550C

Blank (BB00193-BLK1)

Prepared: 02/05/2020 Analyzed: 02/06/2020

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	ND	0.0416	"								
Dimethyl phthalate	ND	0.0416	"								
Di-n-butyl phthalate	ND	0.0416	"								
Di-n-octyl phthalate	ND	0.0416	"								
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	0.979		"	1.66		58.9	20-108				
Surrogate: SURR: Phenol-d5	1.01		"	1.66		60.8	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.599		"	0.831		72.1	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.584		"	0.831		70.3	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	1.54		"	1.66		92.8	19-110				
Surrogate: SURR: Terphenyl-d14	0.623		"	0.831		75.0	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 BB00193 - EPA 3550C											
LCS (BB00193-BS1)						Prepared: 02/05/2020 Analyzed: 02/06/2020					
1,1-Biphenyl	0.629	0.0416	mg/kg wet	0.831		75.8	18-111				
1,2,4,5-Tetrachlorobenzene	0.711	0.0830	"	0.839		84.8	21-131				
1,2,4-Trichlorobenzene	0.697	0.0416	"	0.831		83.9	10-140				
1,2-Dichlorobenzene	0.593	0.0416	"	0.831		71.4	34-108				
1,2-Diphenylhydrazine (as Azobenzene)	0.616	0.0416	"	0.831		74.2	17-137				
1,3-Dichlorobenzene	0.576	0.0416	"	0.831		69.3	33-110				
1,4-Dichlorobenzene	0.596	0.0416	"	0.831		71.7	32-104				
2,3,4,6-Tetrachlorophenol	0.748	0.0830	"	0.831		90.1	30-130				
2,4,5-Trichlorophenol	0.591	0.0416	"	0.831		71.1	27-118				
2,4,6-Trichlorophenol	0.706	0.0416	"	0.831		85.0	31-120				
2,4-Dichlorophenol	0.688	0.0416	"	0.831		82.9	20-127				
2,4-Dimethylphenol	0.587	0.0416	"	0.831		70.6	14-132				
2,4-Dinitrophenol	0.516	0.0830	"	0.831		62.2	10-171				
2,4-Dinitrotoluene	0.710	0.0416	"	0.831		85.5	34-131				
2,6-Dinitrotoluene	0.718	0.0416	"	0.831		86.5	31-128				
2-Chloronaphthalene	0.610	0.0416	"	0.831		73.5	31-117				
2-Chlorophenol	0.562	0.0416	"	0.831		67.7	33-113				
2-Methylnaphthalene	0.707	0.0416	"	0.831		85.2	12-138				
2-Methylphenol	0.490	0.0416	"	0.831		59.0	10-136				
2-Nitroaniline	0.673	0.0830	"	0.831		81.1	27-132				
2-Nitrophenol	0.673	0.0416	"	0.831		81.0	17-129				
3- & 4-Methylphenols	0.460	0.0416	"	0.831		55.4	29-103				
3,3-Dichlorobenzidine	0.549	0.0416	"	0.831		66.1	22-149				
3-Nitroaniline	0.516	0.0830	"	0.831		62.1	20-133				
4,6-Dinitro-2-methylphenol	0.795	0.0830	"	0.831		95.8	10-143				
4-Bromophenyl phenyl ether	0.752	0.0416	"	0.831		90.6	29-120				
4-Chloro-3-methylphenol	0.713	0.0416	"	0.831		85.9	24-129				
4-Chloroaniline	0.426	0.0416	"	0.831		51.3	10-132				
4-Chlorophenyl phenyl ether	0.698	0.0416	"	0.831		84.0	27-124				
4-Nitroaniline	0.627	0.0830	"	0.831		75.5	16-128				
4-Nitrophenol	0.623	0.0830	"	0.831		75.0	10-141				
Acenaphthene	0.652	0.0416	"	0.831		78.6	30-121				
Acenaphthylene	0.593	0.0416	"	0.831		71.4	30-115				
Acetophenone	0.599	0.0416	"	0.831		72.1	20-112				
Aniline	0.509	0.166	"	0.831		61.3	10-119				
Anthracene	0.696	0.0416	"	0.831		83.8	34-118				
Atrazine	0.655	0.0416	"	0.831		78.8	26-112				
Benzaldehyde	0.720	0.0416	"	0.831		86.6	21-100				
Benzo(a)anthracene	0.666	0.0416	"	0.831		80.2	32-122				
Benzo(a)pyrene	0.705	0.0416	"	0.831		84.8	29-133				
Benzo(b)fluoranthene	0.759	0.0416	"	0.831		91.4	25-133				
Benzo(g,h,i)perylene	0.722	0.0416	"	0.831		86.9	10-143				
Benzo(k)fluoranthene	0.668	0.0416	"	0.831		80.4	25-128				
Benzoic acid	0.203	0.0416	"	0.831		24.5	10-140				
Benzyl alcohol	0.646	0.0416	"	0.831		77.7	30-115				
Benzyl butyl phthalate	0.549	0.0416	"	0.831		66.1	26-126				
Bis(2-chloroethoxy)methane	0.601	0.0416	"	0.831		72.4	19-132				
Bis(2-chloroethyl)ether	0.564	0.0416	"	0.831		68.0	19-125				
Bis(2-chloroisopropyl)ether	0.722	0.0416	"	0.831		86.9	20-135				
Bis(2-ethylhexyl)phthalate	0.576	0.0416	"	0.831		69.3	10-155				
Caprolactam	0.611	0.0830	"	0.831		73.6	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 Limits	Flag	RPD	RPD Limit	Flag

Batch BB00193 - EPA 3550C

LCS (BB00193-BS1)

Prepared: 02/05/2020 Analyzed: 02/06/2020

Carbazole	0.629	0.0416	mg/kg wet	0.831		75.7	35-123			
Chrysene	0.658	0.0416	"	0.831		79.2	32-123			
Dibenzo(a,h)anthracene	0.955	0.0416	"	0.831		115	10-136			
Dibenzofuran	0.678	0.0416	"	0.831		81.6	29-121			
Diethyl phthalate	0.653	0.0416	"	0.831		78.7	34-116			
Dimethyl phthalate	0.661	0.0416	"	0.831		79.6	35-124			
Di-n-butyl phthalate	0.616	0.0416	"	0.831		74.1	31-116			
Di-n-octyl phthalate	0.654	0.0416	"	0.831		78.8	26-136			
Fluoranthene	0.724	0.0416	"	0.831		87.2	33-122			
Fluorene	0.687	0.0416	"	0.831		82.8	29-123			
Hexachlorobenzene	0.608	0.0416	"	0.831		73.2	21-124			
Hexachlorobutadiene	0.770	0.0416	"	0.831		92.7	10-149			
Hexachlorocyclopentadiene	0.305	0.0416	"	0.831		36.8	10-129			
Hexachloroethane	0.573	0.0416	"	0.831		69.0	28-108			
Indeno(1,2,3-cd)pyrene	0.812	0.0416	"	0.831		97.8	10-135			
Isophorone	0.673	0.0416	"	0.831		81.1	20-132			
Naphthalene	0.665	0.0416	"	0.831		80.0	23-124			
Nitrobenzene	0.617	0.0416	"	0.831		74.3	13-132			
N-Nitrosodimethylamine	0.516	0.0416	"	0.831		62.2	11-129			
N-nitroso-di-n-propylamine	0.634	0.0416	"	0.831		76.3	24-119			
N-Nitrosodiphenylamine	0.767	0.0416	"	0.831		92.4	22-152			
Pentachlorophenol	0.614	0.0416	"	0.831		73.9	10-139			
Phenanthrene	0.697	0.0416	"	0.831		84.0	33-123			
Phenol	0.605	0.0416	"	0.831		72.9	23-115			
Pyrene	0.617	0.0416	"	0.831		74.3	32-130			
Pyridine	0.469	0.166	"	0.831		56.5	10-91			
Surrogate: SURR: 2-Fluorophenol	1.07		"	1.66		64.6	20-108			
Surrogate: SURR: Phenol-d5	1.09		"	1.66		65.7	23-114			
Surrogate: SURR: Nitrobenzene-d5	0.650		"	0.831		78.3	22-108			
Surrogate: SURR: 2-Fluorobiphenyl	0.642		"	0.831		77.2	21-113			
Surrogate: SURR: 2,4,6-Tribromophenol	1.81		"	1.66		109	19-110			
Surrogate: SURR: Terphenyl-d14	0.739		"	0.831		89.0	24-116			



Semivolatile Organic Compounds by GC/MS/SIM - 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 BB00282 - EPA 3550C

Blank (BB00282-BLK1)

Prepared: 02/07/2020 Analyzed: 02/10/2020

1,4-Dioxane	ND	9.90	ug/kg								
Surrogate: 1,4-Dioxane-d8	327		"	495		66.0	39-83.1				

LCS (BB00282-BS1)

Prepared: 02/07/2020 Analyzed: 02/10/2020

1,4-Dioxane	306	9.90	ug/kg	495		61.8	40-130				
Surrogate: 1,4-Dioxane-d8	337		"	495		68.0	39-83.1				



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 BB00154 - EPA 3550C

Blank (BB00154-BLK1)

Prepared & Analyzed: 02/05/2020

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	"
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	0.00164	"
Toxaphene	ND	0.164	"
Chlordane, total	ND	0.0329	"

Surrogate: Decachlorobiphenyl

0.0625

"

0.0664

94.1

30-150

Surrogate: Tetrachloro-m-xylene

0.0608

"

0.0664

91.5

30-150

LCS (BB00154-BS1)

Prepared & Analyzed: 02/05/2020

4,4'-DDD	0.0242	0.00164	mg/kg wet	0.0332	72.9	40-140
4,4'-DDE	0.0241	0.00164	"	0.0332	72.6	40-140
4,4'-DDT	0.0248	0.00164	"	0.0332	74.5	40-140
Aldrin	0.0253	0.00164	"	0.0332	76.1	40-140
alpha-BHC	0.0252	0.00164	"	0.0332	75.9	40-140
alpha-Chlordane	0.0246	0.00164	"	0.0332	74.0	40-140
beta-BHC	0.0251	0.00164	"	0.0332	75.5	40-140
delta-BHC	0.0260	0.00164	"	0.0332	78.3	40-140
Dieldrin	0.0262	0.00164	"	0.0332	78.9	40-140
Endosulfan I	0.0243	0.00164	"	0.0332	73.2	40-140
Endosulfan II	0.0240	0.00164	"	0.0332	72.4	40-140
Endosulfan sulfate	0.0246	0.00164	"	0.0332	74.1	40-140
Endrin	0.0254	0.00164	"	0.0332	76.4	40-140
Endrin aldehyde	0.0210	0.00164	"	0.0332	63.3	40-140
Endrin ketone	0.0271	0.00164	"	0.0332	81.6	40-140
gamma-BHC (Lindane)	0.0258	0.00164	"	0.0332	77.5	40-140
gamma-Chlordane	0.0250	0.00164	"	0.0332	75.2	40-140
Heptachlor	0.0266	0.00164	"	0.0332	80.2	40-140
Heptachlor epoxide	0.0246	0.00164	"	0.0332	74.1	40-140
Methoxychlor	0.0282	0.00164	"	0.0332	85.0	40-140

Surrogate: Decachlorobiphenyl

0.0560

"

0.0664

84.3

30-150

Surrogate: Tetrachloro-m-xylene

0.0549

"

0.0664

82.6

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 Y0A2002 - BA00785

Performance Mix (Y0A2002-PEM1)

Prepared & Analyzed: 01/17/2020

4,4'-DDD	12.6		ng/mL	0.00			0-200			
4,4'-DDE	5.62		"	0.00			0-200			
4,4'-DDT	290		"	200		145	0-200			
Endrin	113		"	100		113	0-200			
Endrin aldehyde	3.25		"	0.00			0-200			
Endrin ketone	5.72		"	0.00			0-200			

Batch Y0B0607 - BB00154

Performance Mix (Y0B0607-PEM1)

Prepared & Analyzed: 02/05/2020

4,4'-DDD	14.1		ng/mL	0.00			0-200			
4,4'-DDE	1.50		"	0.00			0-200			
4,4'-DDT	236		"	200		118	0-200			
Endrin	113		"	100		113	0-200			
Endrin aldehyde	1.15		"	0.00			0-200			
Endrin ketone	9.11		"	0.00			0-200			

Performance Mix (Y0B0607-PEM2)

Prepared & Analyzed: 02/05/2020

4,4'-DDD	14.1		ng/mL	0.00			0-200			
4,4'-DDE	0.992		"	0.00			0-200			
4,4'-DDT	227		"	200		114	0-200			
Endrin	103		"	100		103	0-200			
Endrin aldehyde	0.726		"	0.00			0-200			
Endrin ketone	5.67		"	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 BB00154 - EPA 3550C

Blank (BB00154-BLK2)

Prepared & Analyzed: 02/05/2020

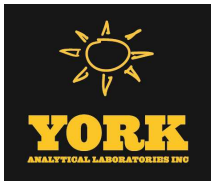
Aroclor 1016	ND	0.0166	mg/kg wet								
Aroclor 1221	ND	0.0166	"								
Aroclor 1232	ND	0.0166	"								
Aroclor 1242	ND	0.0166	"								
Aroclor 1248	ND	0.0166	"								
Aroclor 1254	ND	0.0166	"								
Aroclor 1260	ND	0.0166	"								
Total PCBs	ND	0.0166	"								

Surrogate: Tetrachloro-m-xylene	0.0674		"	0.0664		102	30-120				
Surrogate: Decachlorobiphenyl	0.0661		"	0.0664		99.5	30-120				

LCS (BB00154-BS2)

Prepared & Analyzed: 02/05/2020

Aroclor 1016	0.273	0.0166	mg/kg wet	0.332		82.2	40-130				
Aroclor 1260	0.287	0.0166	"	0.332		86.5	40-130				
Surrogate: Tetrachloro-m-xylene	0.0565		"	0.0664		85.0	30-120				
Surrogate: Decachlorobiphenyl	0.0555		"	0.0664		83.5	30-120				



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 BB00083 - EPA 3550C/8151A

Blank (BB00083-BLK1)

Prepared & Analyzed: 02/04/2020

2,4,5-T	ND	0.0199	mg/kg wet								
2,4,5-TP (Silvex)	ND	0.0199	"								
2,4-D	ND	0.0199	"								
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	0.501		"	0.498		101	21-150				

LCS (BB00083-BS1)

Prepared & Analyzed: 02/04/2020

2,4,5-T	0.107	0.0199	mg/kg wet	0.159		66.9	10-120				
2,4,5-TP (Silvex)	0.119	0.0199	"	0.159		74.4	10-120				
2,4-D	0.118	0.0199	"	0.159		73.7	10-118				
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	0.503		"	0.498		101	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 BB00091 - EPA 3050B

Blank (BB00091-BLK1)

Prepared & Analyzed: 02/04/2020

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	8.38	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	"

Reference (BB00091-SRM1)

Prepared & Analyzed: 02/04/2020

Aluminum	8140	5.00	mg/kg wet	7700	106	50.2-149.5
Antimony	22.8	2.50	"	40.0	56.9	19.3-258.9
Arsenic	130	1.50	"	125	104	69.8-130.2
Barium	555	2.50	"	529	105	75.2-125.2
Beryllium	155	0.050	"	155	100	75-125
Cadmium	38.0	0.300	"	37.7	101	74.5-124.8
Calcium	4740	5.00	"	4720	101	72.6-127.7
Chromium	57.3	0.500	"	58.3	98.3	70.1-129.9
Cobalt	203	0.400	"	196	104	74.7-124.7
Copper	83.0	2.00	"	78.0	106	74.7-124.1
Iron	13800	25.0	"	13800	99.8	36.4-163.9
Lead	111	0.500	"	111	99.7	68.4-131.6
Magnesium	2240	5.00	"	2240	99.8	61.9-138.1
Manganese	318	0.500	"	310	103	75.2-124.8
Nickel	347	1.00	"	333	104	69.9-129.8
Potassium	2090	5.00	"	1970	106	60.7-139.7
Selenium	221	2.50	"	251	88.2	58.1-141.7
Silver	26.0	0.500	"	27.2	95.4	70.7-129.3
Sodium	220	50.0	"	220	99.9	45.5-154.4
Thallium	247	2.50	"	241	102	60.9-139.3
Vanadium	121	1.00	"	125	96.5	57.4-142.6
Zinc	337	2.50	"	351	96.0	70.1-130.3



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 BB00075 - EPA 7473 soil

Blank (BB00075-BLK1)

Prepared & Analyzed: 02/03/2020

Mercury ND 0.0300 mg/kg wet

Reference (BB00075-SRM1)

Prepared & Analyzed: 02/03/2020

Mercury 3.1364 mg/kg 3.71 84.5 65-135



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
20B0003-01	GB-12 (1-4)	40mL Vial with Stir Bar-Cool 4° C

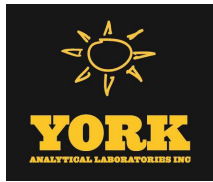


Sample and Data Qualifiers Relating to This Work Order

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-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.
CCV-L	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 low.
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).
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.

YORK

ANALYTICAL LABORATORIES, INC.

120 RESEARCH DR. STRATFORD, CT 06615
(203) 325-1371 FAX (203) 357-0166

Field Chain-of-Custody Record

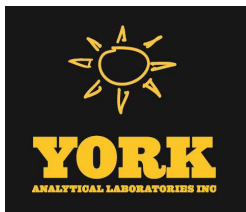
Page 1 of 1

NOTE: York's Std. Terms & Conditions are listed on the back side of this document.

This document serves as your written authorization to York to proceed with the analyses requested and your signature binds you to York's Std. Terms & Conditions.

York Project No. 2060003

YOUR Information Company: HES, Inc. Address: One Deans Bridge Road Somers, New York 10589 Phone No. (914) 274-2560 Contact Person: E-Mail Address:		Report To: Company: Same Address: Phone No. Attention: E-Mail Address:		Invoice To: Company: Same Address: Phone No. Attention: E-Mail Address:		YOUR Project ID 130 Midland Avenue, Port Chester, New York Samples from: CT NY NJ		Turn-Around Time RUSH - Same Day ☐ RUSH - Next Day ☐ RUSH - Two Day ☐ RUSH - Three Day ☐ RUSH - Four Day ☐ Standard (5-7 Days) ☒		Report Type Summary Report ☒ Summary w/ QA Summary ☐ CT RCP Package ☐ CT RCP DQA/DUE Pkg ☐ NY ASP A Package ☐ NY ASP B Package ☒ NJDEP Red. Deliv. ☐ Electronic Data Deliverables (EDD) ☐ Simple Excel ☐ NYSDEC EQULS ☒ EQULS (std) ☐ EZ-EDD (EQULS) ☐ NJDEP SRP HazSite EDD ☐ GIS/KEY (std) ☐ Other ☐ York Regulatory Comparison ☐ Excel Spreadsheet ☐ Compare to the following Regs. (please fill in)					
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 S - soil Other - specify (oil, etc.) WW - wastewater GW - groundwater DW - drinking water Air-A - ambient air Air-SV - soil vapor		Volatiles 8260 full 624 STARS list BTEX MTBE TCL list TAGM list CT RCP list Arom. only Halog. only App. IX list 8021B list		Semi-Vols 8270 or 625 STARS list BN Only Acids Only PAH list TAGM list CT RCP list TCL list NUDRP list App. IX TCLP BNA SPLP or TCLP		Metals RCRA8 PP13 list TAL CT15 list TAGM list NJDEP list Total Dissolved SPLP or TCLP Ind. Metals LIST Below		Misc. Org. TPH GRO TPH DRO CT ETPH NY 310-13 TPH 1664 Air TO14A Air TO15 Air STARS Air VPH Air TICs Methane Helium		Full Lists Pri. Poll. TCL Ogrixis TAL MaxCN Full TCLP Full App. IX Part 360 Routine Part 360 Routine Part 360 Expanded Part 360 Expanded NYCDP Sewer NYSDC Sewer TAGM Silica		Misc. Corrosivity Reactivity Ignitability Flash Point Sieve Anal. Heterotrophs TOX BTU/lb. Aquatic Tox. TOC Asbestos	
Sample Identification GB-12 (1-4)		Date Sampled 1/30/20		Sample Matrix S		Choose Analyses Needed from the Menu Above and Enter Below EPA 8160, EPA 8270, PCBs, Herbicides Target, (2) 802 (SVWA) Pesticides Target; Tal Metals; 1,4-Dioxane		Container Description(s)							
Comments		Preservation Check those Applicable Special Instructions Field Filtered ☐ Lab to Filter ☐		4°C ☐ Frozen ☐ HCl ☐ MeOH ☐ Ascorbic Acid ☐ Other ☐		HNO₃ ☐ H₂O₂ ☐ NaOH ☐		Temperature on Receipt 27 °C							
Samples Relinquished By [Signature] 2/3/20		Date/Time 2/3/20 8:15		Samples Received By [Signature] 2/3/20		Date/Time 2/3/20 5:33		Samples Received in LAB by [Signature]							



Technical Report

prepared for:

Hydro Environmental Solutions

One Deans Bridge Road

Somers NY, 10589

Attention: Bill Canavan

Report Date: 02/04/2020

Client Project ID: 130 Midland Avenue, Port Chester, New York

York Project (SDG) No.: 20A1034

CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037



New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

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132-02 89th AVENUE
FAX (203) 357-0166

RICHMOND HILL, NY 11418
ClientServices@yorklab.com

Report Date: 02/04/2020
Client Project ID: 130 Midland Avenue, Port Chester, New York
York Project (SDG) No.: 20A1034

Hydro Environmental Solutions
One Deans Bridge Road
Somers NY, 10589
Attention: Bill Canavan

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on January 29, 2020 and listed below. The project was identified as your project: **130 Midland Avenue, Port Chester, New York.**

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>
20A1034-01	GB-1	Soil	01/28/2020	01/29/2020
20A1034-02	GB-2	Soil	01/28/2020	01/29/2020
20A1034-03	GB-3	Soil	01/28/2020	01/29/2020
20A1034-04	GB-4	Soil	01/28/2020	01/29/2020
20A1034-05	GB-5	Soil	01/28/2020	01/29/2020
20A1034-06	GB-6	Soil	01/28/2020	01/29/2020
20A1034-07	Field Blank	Water	01/28/2020	01/29/2020

General Notes for York Project (SDG) No.: 20A1034

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.

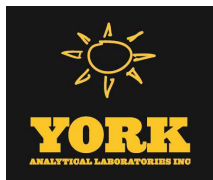
Approved By:



Benjamin Gulizia
Laboratory Director

Date: 02/04/2020





Sample Information

Client Sample ID: GB-1

York Sample ID: 20A1034-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1034

130 Midland Avenue, Port Chester, New York

Soil

January 28, 2020 12:00 am

01/29/2020

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.940	1	EPA 537m Certifications:	01/30/2020 17:10	02/03/2020 16:59	KT
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.940	1	EPA 537m Certifications:	01/30/2020 17:10	02/03/2020 16:59	KT
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.940	1	EPA 537m Certifications:	01/30/2020 17:10	02/03/2020 16:59	KT
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.940	1	EPA 537m Certifications:	01/30/2020 17:10	02/03/2020 16:59	KT
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.940	1	EPA 537m Certifications:	01/30/2020 17:10	02/03/2020 16:59	KT
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.940	1	EPA 537m Certifications:	01/30/2020 17:10	02/03/2020 16:59	KT
375-95-1	* Perfluorononanoic acid (PFNA)	ND	PF-CC V-L	ug/kg dry	0.940	1	EPA 537m Certifications:	01/30/2020 17:10	02/03/2020 16:59	KT
335-76-2	* Perfluorodecanoic acid (PFDA)	ND	PF-CC V-L	ug/kg dry	0.940	1	EPA 537m Certifications:	01/30/2020 17:10	02/03/2020 16:59	KT
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.940	1	EPA 537m Certifications:	01/30/2020 17:10	02/03/2020 16:59	KT
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.940	1	EPA 537m Certifications:	01/30/2020 17:10	02/03/2020 16:59	KT
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.940	1	EPA 537m Certifications:	01/30/2020 17:10	02/03/2020 16:59	KT
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.940	1	EPA 537m Certifications:	01/30/2020 17:10	02/03/2020 16:59	KT
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.940	1	EPA 537m Certifications:	01/30/2020 17:10	02/03/2020 16:59	KT
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.940	1	EPA 537m Certifications:	01/30/2020 17:10	02/03/2020 16:59	KT
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.940	1	EPA 537m Certifications:	01/30/2020 17:10	02/03/2020 16:59	KT
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.940	1	EPA 537m Certifications:	01/30/2020 17:10	02/03/2020 16:59	KT
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.940	1	EPA 537m Certifications:	01/30/2020 17:10	02/03/2020 16:59	KT
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.940	1	EPA 537m Certifications:	01/30/2020 17:10	02/03/2020 16:59	KT
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND	PF-CC V-L	ug/kg dry	0.940	1	EPA 537m Certifications:	01/30/2020 17:10	02/03/2020 16:59	KT
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.940	1	EPA 537m Certifications:	01/30/2020 17:10	02/03/2020 16:59	KT
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.940	1	EPA 537m Certifications:	01/30/2020 17:10	02/03/2020 16:59	KT

Surrogate Recoveries

Result

Acceptance Range

120 RESEARCH DRIVE

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ClientServices@

Page 4 of 26



Sample Information

Client Sample ID: GB-1

York Sample ID: 20A1034-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1034

130 Midland Avenue, Port Chester, New York

Soil

January 28, 2020 12:00 am

01/29/2020

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: M3PFBS	73.1 %			25-150					
	Surrogate: M5PFHxA	66.0 %			25-150					
	Surrogate: M4PFHpA	53.7 %			25-150					
	Surrogate: M3PFHxS	76.6 %			25-150					
	Surrogate: Perfluoro-n- [13C8]octanoic acid (M8PFOA)	66.0 %			25-150					
	Surrogate: M6PFDA	61.5 %			25-150					
	Surrogate: M7PFUdA	47.0 %			25-150					
	Surrogate: Perfluoro-n- [1,2-13C2]dodecanoic acid (MPFDoA)	38.9 %			25-150					
	Surrogate: M2PFTeDA	38.7 %			10-150					
	Surrogate: Perfluoro-n- [13C4]butanoic acid (MPFBA)	68.8 %			25-150					
	Surrogate: Perfluoro-1- [13C8]octanesulfonic acid (M8PFOS)	72.3 %			25-150					
	Surrogate: Perfluoro-n- [13C5]pentanoic acid (M5PFPeA)	70.8 %			25-150					
	Surrogate: Perfluoro-1- [13C8]octanesulfonamide (M8FOSA)	40.6 %			10-150					
	Surrogate: d3-N-MeFOSAA	82.8 %			25-150					
	Surrogate: d5-N-EtFOSAA	96.1 %			25-150					
	Surrogate: M2-6:2 FTS	204 %	PFSu-H		25-150					
	Surrogate: M2-8:2 FTS	251 %	PFSu-H		25-150					
	Surrogate: M9PFNA	69.8 %			25-150					

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	75.9		%	0.100	1	SM 2540G	02/04/2020 16:37	02/04/2020 16:46	WL
							Certifications:	CTDOH		

Sample Information

Client Sample ID: GB-2

York Sample ID: 20A1034-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1034

130 Midland Avenue, Port Chester, New York

Soil

January 28, 2020 12:00 am

01/29/2020

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

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ClientServices@



Sample Information

Client Sample ID: GB-2

York Sample ID: 20A1034-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1034

130 Midland Avenue, Port Chester, New York

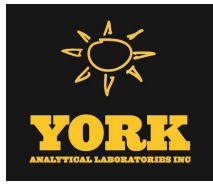
Soil

January 28, 2020 12:00 am

01/29/2020

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.833	1	EPA 537m Certifications:	01/30/2020 17:10	02/03/2020 17:26	KT
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.833	1	EPA 537m Certifications:	01/30/2020 17:10	02/03/2020 17:26	KT
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.833	1	EPA 537m Certifications:	01/30/2020 17:10	02/03/2020 17:26	KT
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.833	1	EPA 537m Certifications:	01/30/2020 17:10	02/03/2020 17:26	KT
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.833	1	EPA 537m Certifications:	01/30/2020 17:10	02/03/2020 17:26	KT
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.833	1	EPA 537m Certifications:	01/30/2020 17:10	02/03/2020 17:26	KT
375-95-1	* Perfluorononanoic acid (PFNA)	ND	PF-CC V-L	ug/kg dry	0.833	1	EPA 537m Certifications:	01/30/2020 17:10	02/03/2020 17:26	KT
335-76-2	* Perfluorodecanoic acid (PFDA)	ND	PF-CC V-L	ug/kg dry	0.833	1	EPA 537m Certifications:	01/30/2020 17:10	02/03/2020 17:26	KT
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.833	1	EPA 537m Certifications:	01/30/2020 17:10	02/03/2020 17:26	KT
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.833	1	EPA 537m Certifications:	01/30/2020 17:10	02/03/2020 17:26	KT
72629-94-8	* Perfluorotridecanoic acid (PFTriDA)	ND		ug/kg dry	0.833	1	EPA 537m Certifications:	01/30/2020 17:10	02/03/2020 17:26	KT
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.833	1	EPA 537m Certifications:	01/30/2020 17:10	02/03/2020 17:26	KT
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.833	1	EPA 537m Certifications:	01/30/2020 17:10	02/03/2020 17:26	KT
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.833	1	EPA 537m Certifications:	01/30/2020 17:10	02/03/2020 17:26	KT
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.833	1	EPA 537m Certifications:	01/30/2020 17:10	02/03/2020 17:26	KT
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.833	1	EPA 537m Certifications:	01/30/2020 17:10	02/03/2020 17:26	KT
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.833	1	EPA 537m Certifications:	01/30/2020 17:10	02/03/2020 17:26	KT
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.833	1	EPA 537m Certifications:	01/30/2020 17:10	02/03/2020 17:26	KT
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND	PF-CC V-L	ug/kg dry	0.833	1	EPA 537m Certifications:	01/30/2020 17:10	02/03/2020 17:26	KT
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.833	1	EPA 537m Certifications:	01/30/2020 17:10	02/03/2020 17:26	KT
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.833	1	EPA 537m Certifications:	01/30/2020 17:10	02/03/2020 17:26	KT
Surrogate Recoveries		Result	Acceptance Range							
Surrogate: M3PFBS		57.6 %	25-150							
Surrogate: M5PFHxA		54.0 %	25-150							



Sample Information

Client Sample ID: GB-2

York Sample ID: 20A1034-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1034

130 Midland Avenue, Port Chester, New York

Soil

January 28, 2020 12:00 am

01/29/2020

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: M4PFHpA	46.1 %			25-150					
	Surrogate: M3PFHxS	58.1 %			25-150					
	Surrogate: Perfluoro-n- [13C8]octanoic acid (M8PFOA)	55.2 %			25-150					
	Surrogate: M6PFDA	47.9 %			25-150					
	Surrogate: M7PFUdA	35.9 %			25-150					
	Surrogate: Perfluoro-n- [1,2-13C2]dodecanoic acid (MPFDoA)	37.7 %			25-150					
	Surrogate: M2PFTeDA	36.4 %			10-150					
	Surrogate: Perfluoro-n- [13C4]butanoic acid (MPFBA)	55.8 %			25-150					
	Surrogate: Perfluoro-1- [13C8]octanesulfonic acid (M8PFOS)	56.2 %			25-150					
	Surrogate: Perfluoro-n- [13C5]pentanoic acid (M5PFPeA)	57.9 %			25-150					
	Surrogate: Perfluoro-1- [13C8]octanesulfonamide (M8FOSA)	40.8 %			10-150					
	Surrogate: d3-N-MeFOSAA	75.8 %			25-150					
	Surrogate: d5-N-EtFOSAA	96.4 %			25-150					
	Surrogate: M2-6:2 FTS	169 %	PFSu-H		25-150					
	Surrogate: M2-8:2 FTS	203 %	PFSu-H		25-150					
	Surrogate: M9PFNA	53.0 %			25-150					

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	85.9		%	0.100	1	SM 2540G Certifications: CTD0H	02/04/2020 16:37	02/04/2020 16:46	WL

Sample Information

Client Sample ID: GB-3

York Sample ID: 20A1034-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1034

130 Midland Avenue, Port Chester, New York

Soil

January 28, 2020 12:00 am

01/29/2020

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: GB-3

York Sample ID: 20A1034-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1034

130 Midland Avenue, Port Chester, New York

Soil

January 28, 2020 12:00 am

01/29/2020

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.880	1	EPA 537m Certifications:	01/30/2020 17:10	02/03/2020 17:53	KT
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.880	1	EPA 537m Certifications:	01/30/2020 17:10	02/03/2020 17:53	KT
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.880	1	EPA 537m Certifications:	01/30/2020 17:10	02/03/2020 17:53	KT
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.880	1	EPA 537m Certifications:	01/30/2020 17:10	02/03/2020 17:53	KT
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.880	1	EPA 537m Certifications:	01/30/2020 17:10	02/03/2020 17:53	KT
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.880	1	EPA 537m Certifications:	01/30/2020 17:10	02/03/2020 17:53	KT
375-95-1	* Perfluorononanoic acid (PFNA)	ND	PF-CC V-L	ug/kg dry	0.880	1	EPA 537m Certifications:	01/30/2020 17:10	02/03/2020 17:53	KT
335-76-2	* Perfluorodecanoic acid (PFDA)	ND	PF-CC V-L	ug/kg dry	0.880	1	EPA 537m Certifications:	01/30/2020 17:10	02/03/2020 17:53	KT
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.880	1	EPA 537m Certifications:	01/30/2020 17:10	02/03/2020 17:53	KT
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.880	1	EPA 537m Certifications:	01/30/2020 17:10	02/03/2020 17:53	KT
72629-94-8	* Perfluorotridecanoic acid (PFTriDA)	ND		ug/kg dry	0.880	1	EPA 537m Certifications:	01/30/2020 17:10	02/03/2020 17:53	KT
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.880	1	EPA 537m Certifications:	01/30/2020 17:10	02/03/2020 17:53	KT
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.880	1	EPA 537m Certifications:	01/30/2020 17:10	02/03/2020 17:53	KT
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.880	1	EPA 537m Certifications:	01/30/2020 17:10	02/03/2020 17:53	KT
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.880	1	EPA 537m Certifications:	01/30/2020 17:10	02/03/2020 17:53	KT
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.880	1	EPA 537m Certifications:	01/30/2020 17:10	02/03/2020 17:53	KT
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.880	1	EPA 537m Certifications:	01/30/2020 17:10	02/03/2020 17:53	KT
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.880	1	EPA 537m Certifications:	01/30/2020 17:10	02/03/2020 17:53	KT
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND	PF-CC V-L	ug/kg dry	0.880	1	EPA 537m Certifications:	01/30/2020 17:10	02/03/2020 17:53	KT
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.880	1	EPA 537m Certifications:	01/30/2020 17:10	02/03/2020 17:53	KT
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.880	1	EPA 537m Certifications:	01/30/2020 17:10	02/03/2020 17:53	KT
Surrogate Recoveries		Result	Acceptance Range							
Surrogate: M3PFBS		58.0 %	25-150							
Surrogate: M5PFHxA		53.7 %	25-150							



Sample Information

Client Sample ID: GB-3

York Sample ID: 20A1034-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1034

130 Midland Avenue, Port Chester, New York

Soil

January 28, 2020 12:00 am

01/29/2020

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: M4PFHpA	46.9 %			25-150					
	Surrogate: M3PFHxS	59.8 %			25-150					
	Surrogate: Perfluoro-n- [13C8]octanoic acid (M8PFOA)	51.9 %			25-150					
	Surrogate: M6PFDA	41.3 %			25-150					
	Surrogate: M7PFUdA	45.9 %			25-150					
	Surrogate: Perfluoro-n- [1,2-13C2]dodecanoic acid (MPFDoA)	40.8 %			25-150					
	Surrogate: M2PFTeDA	48.0 %			10-150					
	Surrogate: Perfluoro-n- [13C4]butanoic acid (MPFBA)	59.9 %			25-150					
	Surrogate: Perfluoro-1- [13C8]octanesulfonic acid (M8PFOS)	51.8 %			25-150					
	Surrogate: Perfluoro-n- [13C5]pentanoic acid (M5PFPeA)	60.7 %			25-150					
	Surrogate: Perfluoro-1- [13C8]octanesulfonamide (M8FOSA)	46.1 %			10-150					
	Surrogate: d3-N-MeFOSAA	73.3 %			25-150					
	Surrogate: d5-N-EtFOSAA	95.8 %			25-150					
	Surrogate: M2-6:2 FTS	188 %	PFSu-H		25-150					
	Surrogate: M2-8:2 FTS	227 %	PFSu-H		25-150					
	Surrogate: M9PFNA	49.2 %			25-150					

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	83.1		%	0.100	1	SM 2540G Certifications: CTDOH	02/04/2020 16:37	02/04/2020 16:46	WL

Sample Information

Client Sample ID: GB-4

York Sample ID: 20A1034-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1034

130 Midland Avenue, Port Chester, New York

Soil

January 28, 2020 12:00 am

01/29/2020

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: GB-4

York Sample ID: 20A1034-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1034

130 Midland Avenue, Port Chester, New York

Soil

January 28, 2020 12:00 am

01/29/2020

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.839	1	EPA 537m Certifications:	01/30/2020 17:10	02/03/2020 18:20	KT
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.839	1	EPA 537m Certifications:	01/30/2020 17:10	02/03/2020 18:20	KT
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.839	1	EPA 537m Certifications:	01/30/2020 17:10	02/03/2020 18:20	KT
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.839	1	EPA 537m Certifications:	01/30/2020 17:10	02/03/2020 18:20	KT
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.839	1	EPA 537m Certifications:	01/30/2020 17:10	02/03/2020 18:20	KT
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.839	1	EPA 537m Certifications:	01/30/2020 17:10	02/03/2020 18:20	KT
375-95-1	* Perfluorononanoic acid (PFNA)	ND	PF-CC V-L	ug/kg dry	0.839	1	EPA 537m Certifications:	01/30/2020 17:10	02/03/2020 18:20	KT
335-76-2	* Perfluorodecanoic acid (PFDA)	ND	PF-CC V-L	ug/kg dry	0.839	1	EPA 537m Certifications:	01/30/2020 17:10	02/03/2020 18:20	KT
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.839	1	EPA 537m Certifications:	01/30/2020 17:10	02/03/2020 18:20	KT
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.839	1	EPA 537m Certifications:	01/30/2020 17:10	02/03/2020 18:20	KT
72629-94-8	* Perfluorotridecanoic acid (PFTriDA)	ND		ug/kg dry	0.839	1	EPA 537m Certifications:	01/30/2020 17:10	02/03/2020 18:20	KT
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.839	1	EPA 537m Certifications:	01/30/2020 17:10	02/03/2020 18:20	KT
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.839	1	EPA 537m Certifications:	01/30/2020 17:10	02/03/2020 18:20	KT
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.839	1	EPA 537m Certifications:	01/30/2020 17:10	02/03/2020 18:20	KT
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.839	1	EPA 537m Certifications:	01/30/2020 17:10	02/03/2020 18:20	KT
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.839	1	EPA 537m Certifications:	01/30/2020 17:10	02/03/2020 18:20	KT
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.839	1	EPA 537m Certifications:	01/30/2020 17:10	02/03/2020 18:20	KT
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.839	1	EPA 537m Certifications:	01/30/2020 17:10	02/03/2020 18:20	KT
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND	PF-CC V-L	ug/kg dry	0.839	1	EPA 537m Certifications:	01/30/2020 17:10	02/03/2020 18:20	KT
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.839	1	EPA 537m Certifications:	01/30/2020 17:10	02/03/2020 18:20	KT
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.839	1	EPA 537m Certifications:	01/30/2020 17:10	02/03/2020 18:20	KT
Surrogate Recoveries		Result	Acceptance Range							
Surrogate: M3PFBS		52.9 %	25-150							
Surrogate: M5PFHxA		52.7 %	25-150							



Sample Information

Client Sample ID: GB-4

York Sample ID: 20A1034-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1034

130 Midland Avenue, Port Chester, New York

Soil

January 28, 2020 12:00 am

01/29/2020

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: M4PFHpA	44.8 %			25-150					
	Surrogate: M3PFHxS	53.2 %			25-150					
	Surrogate: Perfluoro-n- [13C8]octanoic acid (M8PFOA)	49.9 %			25-150					
	Surrogate: M6PFDA	47.6 %			25-150					
	Surrogate: M7PFUdA	44.7 %			25-150					
	Surrogate: Perfluoro-n- [1,2-13C2]dodecanoic acid (MPFDoA)	47.9 %			25-150					
	Surrogate: M2PFTeDA	45.6 %			10-150					
	Surrogate: Perfluoro-n- [13C4]butanoic acid (MPFBA)	51.3 %			25-150					
	Surrogate: Perfluoro-1- [13C8]octanesulfonic acid (M8PFOS)	50.0 %			25-150					
	Surrogate: Perfluoro-n- [13C5]pentanoic acid (M5PFPeA)	53.2 %			25-150					
	Surrogate: Perfluoro-1- [13C8]octanesulfonamide (M8FOSA)	40.1 %			10-150					
	Surrogate: d3-N-MeFOSAA	64.6 %			25-150					
	Surrogate: d5-N-EtFOSAA	96.0 %			25-150					
	Surrogate: M2-6:2 FTS	148 %			25-150					
	Surrogate: M2-8:2 FTS	106 %			25-150					
	Surrogate: M9PFNA	55.2 %			25-150					

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	84.4		%	0.100	1	SM 2540G Certifications: CTDOH	02/04/2020 16:37	02/04/2020 16:46	WL

Sample Information

Client Sample ID: GB-5

York Sample ID: 20A1034-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1034

130 Midland Avenue, Port Chester, New York

Soil

January 28, 2020 12:00 am

01/29/2020

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: GB-5

York Sample ID: 20A1034-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1034

130 Midland Avenue, Port Chester, New York

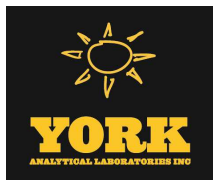
Soil

January 28, 2020 12:00 am

01/29/2020

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.765	1	EPA 537m Certifications:	01/30/2020 17:10	02/03/2020 18:47	KT
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.765	1	EPA 537m Certifications:	01/30/2020 17:10	02/03/2020 18:47	KT
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.765	1	EPA 537m Certifications:	01/30/2020 17:10	02/03/2020 18:47	KT
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.765	1	EPA 537m Certifications:	01/30/2020 17:10	02/03/2020 18:47	KT
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.765	1	EPA 537m Certifications:	01/30/2020 17:10	02/03/2020 18:47	KT
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	0.886		ug/kg dry	0.765	1	EPA 537m Certifications:	01/30/2020 17:10	02/03/2020 18:47	KT
375-95-1	* Perfluorononanoic acid (PFNA)	ND	PF-CC V-L	ug/kg dry	0.765	1	EPA 537m Certifications:	01/30/2020 17:10	02/03/2020 18:47	KT
335-76-2	* Perfluorodecanoic acid (PFDA)	ND	PF-CC V-L	ug/kg dry	0.765	1	EPA 537m Certifications:	01/30/2020 17:10	02/03/2020 18:47	KT
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.765	1	EPA 537m Certifications:	01/30/2020 17:10	02/03/2020 18:47	KT
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.765	1	EPA 537m Certifications:	01/30/2020 17:10	02/03/2020 18:47	KT
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.765	1	EPA 537m Certifications:	01/30/2020 17:10	02/03/2020 18:47	KT
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.765	1	EPA 537m Certifications:	01/30/2020 17:10	02/03/2020 18:47	KT
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.765	1	EPA 537m Certifications:	01/30/2020 17:10	02/03/2020 18:47	KT
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.765	1	EPA 537m Certifications:	01/30/2020 17:10	02/03/2020 18:47	KT
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.765	1	EPA 537m Certifications:	01/30/2020 17:10	02/03/2020 18:47	KT
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.765	1	EPA 537m Certifications:	01/30/2020 17:10	02/03/2020 18:47	KT
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.765	1	EPA 537m Certifications:	01/30/2020 17:10	02/03/2020 18:47	KT
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.765	1	EPA 537m Certifications:	01/30/2020 17:10	02/03/2020 18:47	KT
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND	PF-CC V-L	ug/kg dry	0.765	1	EPA 537m Certifications:	01/30/2020 17:10	02/03/2020 18:47	KT
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.765	1	EPA 537m Certifications:	01/30/2020 17:10	02/03/2020 18:47	KT
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.765	1	EPA 537m Certifications:	01/30/2020 17:10	02/03/2020 18:47	KT
Surrogate Recoveries		Result	Acceptance Range							
Surrogate: M3PFBS		56.5 %	25-150							
Surrogate: M5PFHxA		55.0 %	25-150							



Sample Information

Client Sample ID: GB-5

York Sample ID: 20A1034-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1034

130 Midland Avenue, Port Chester, New York

Soil

January 28, 2020 12:00 am

01/29/2020

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: M4PFHpA	49.4 %			25-150					
	Surrogate: M3PFHxS	59.7 %			25-150					
	Surrogate: Perfluoro-n- [13C8]octanoic acid (M8PFOA)	54.6 %			25-150					
	Surrogate: M6PFDA	52.5 %			25-150					
	Surrogate: M7PFUdA	42.6 %			25-150					
	Surrogate: Perfluoro-n- [1,2-13C2]dodecanoic acid (MPFDoA)	39.7 %			25-150					
	Surrogate: M2PFTeDA	37.6 %			10-150					
	Surrogate: Perfluoro-n- [13C4]butanoic acid (MPFBA)	55.7 %			25-150					
	Surrogate: Perfluoro-1- [13C8]octanesulfonic acid (M8PFOS)	56.4 %			25-150					
	Surrogate: Perfluoro-n- [13C5]pentanoic acid (M5PFPeA)	56.4 %			25-150					
	Surrogate: Perfluoro-1- [13C8]octanesulfonamide (M8FOSA)	41.3 %			10-150					
	Surrogate: d3-N-MeFOSAA	74.4 %			25-150					
	Surrogate: d5-N-EtFOSAA	93.3 %			25-150					
	Surrogate: M2-6:2 FTS	176 %	PFSu-H		25-150					
	Surrogate: M2-8:2 FTS	193 %	PFSu-H		25-150					
	Surrogate: M9PFNA	53.9 %			25-150					

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	88.1		%	0.100	1	SM 2540G Certifications: CTDH	02/04/2020 16:37	02/04/2020 16:46	WL

Sample Information

Client Sample ID: GB-6

York Sample ID: 20A1034-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1034

130 Midland Avenue, Port Chester, New York

Soil

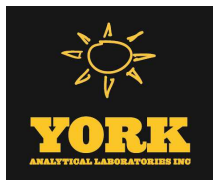
January 28, 2020 12:00 am

01/29/2020

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: GB-6

York Sample ID: 20A1034-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1034

130 Midland Avenue, Port Chester, New York

Soil

January 28, 2020 12:00 am

01/29/2020

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.924	1	EPA 537m Certifications:	01/30/2020 17:10	02/03/2020 19:14	KT
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.924	1	EPA 537m Certifications:	01/30/2020 17:10	02/03/2020 19:14	KT
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.924	1	EPA 537m Certifications:	01/30/2020 17:10	02/03/2020 19:14	KT
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.924	1	EPA 537m Certifications:	01/30/2020 17:10	02/03/2020 19:14	KT
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.924	1	EPA 537m Certifications:	01/30/2020 17:10	02/03/2020 19:14	KT
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.924	1	EPA 537m Certifications:	01/30/2020 17:10	02/03/2020 19:14	KT
375-95-1	* Perfluorononanoic acid (PFNA)	ND	PF-CC V-L	ug/kg dry	0.924	1	EPA 537m Certifications:	01/30/2020 17:10	02/03/2020 19:14	KT
335-76-2	* Perfluorodecanoic acid (PFDA)	ND	PF-CC V-L	ug/kg dry	0.924	1	EPA 537m Certifications:	01/30/2020 17:10	02/03/2020 19:14	KT
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.924	1	EPA 537m Certifications:	01/30/2020 17:10	02/03/2020 19:14	KT
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.924	1	EPA 537m Certifications:	01/30/2020 17:10	02/03/2020 19:14	KT
72629-94-8	* Perfluorotridecanoic acid (PFTriDA)	ND		ug/kg dry	0.924	1	EPA 537m Certifications:	01/30/2020 17:10	02/03/2020 19:14	KT
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.924	1	EPA 537m Certifications:	01/30/2020 17:10	02/03/2020 19:14	KT
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.924	1	EPA 537m Certifications:	01/30/2020 17:10	02/03/2020 19:14	KT
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.924	1	EPA 537m Certifications:	01/30/2020 17:10	02/03/2020 19:14	KT
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.924	1	EPA 537m Certifications:	01/30/2020 17:10	02/03/2020 19:14	KT
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.924	1	EPA 537m Certifications:	01/30/2020 17:10	02/03/2020 19:14	KT
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.924	1	EPA 537m Certifications:	01/30/2020 17:10	02/03/2020 19:14	KT
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.924	1	EPA 537m Certifications:	01/30/2020 17:10	02/03/2020 19:14	KT
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND	PF-CC V-L	ug/kg dry	0.924	1	EPA 537m Certifications:	01/30/2020 17:10	02/03/2020 19:14	KT
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.924	1	EPA 537m Certifications:	01/30/2020 17:10	02/03/2020 19:14	KT
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.924	1	EPA 537m Certifications:	01/30/2020 17:10	02/03/2020 19:14	KT
Surrogate Recoveries		Result	Acceptance Range							
Surrogate: M3PFBS		71.3 %	25-150							
Surrogate: M5PFHxA		59.9 %	25-150							



Sample Information

Client Sample ID: GB-6

York Sample ID: 20A1034-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1034

130 Midland Avenue, Port Chester, New York

Soil

January 28, 2020 12:00 am

01/29/2020

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: M4PFHpA	50.6 %			25-150					
	Surrogate: M3PFHxS	69.6 %			25-150					
	Surrogate: Perfluoro-n- [13C8]octanoic acid (M8PFOA)	57.8 %			25-150					
	Surrogate: M6PFDA	62.3 %			25-150					
	Surrogate: M7PFUdA	57.3 %			25-150					
	Surrogate: Perfluoro-n- [1,2-13C2]dodecanoic acid (MPFDoA)	50.1 %			25-150					
	Surrogate: M2PFTeDA	45.9 %			10-150					
	Surrogate: Perfluoro-n- [13C4]butanoic acid (MPFBA)	64.1 %			25-150					
	Surrogate: Perfluoro-1- [13C8]octanesulfonic acid (M8PFOS)	63.4 %			25-150					
	Surrogate: Perfluoro-n- [13C5]pentanoic acid (M5PFPeA)	67.3 %			25-150					
	Surrogate: Perfluoro-1- [13C8]octanesulfonamide (M8FOSA)	54.4 %			10-150					
	Surrogate: d3-N-MeFOSAA	63.2 %			25-150					
	Surrogate: d5-N-EtFOSAA	113 %			25-150					
	Surrogate: M2-6:2 FTS	194 %	PFSu-H		25-150					
	Surrogate: M2-8:2 FTS	85.7 %			25-150					
	Surrogate: M9PFNA	59.7 %			25-150					

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	78.0		%	0.100	1	SM 2540G	02/04/2020 16:37	02/04/2020 16:46	WL
							Certifications:	CTDOH		

Sample Information

Client Sample ID: Field Blank

York Sample ID: 20A1034-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1034

130 Midland Avenue, Port Chester, New York

Water

January 28, 2020 12:00 am

01/29/2020

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: Field Blank

York Sample ID: 20A1034-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1034

130 Midland Avenue, Port Chester, New York

Water

January 28, 2020 12:00 am

01/29/2020

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	2.00	1	EPA 537m Certifications:	02/03/2020 12:09	02/04/2020 02:24	KT
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ng/L	2.00	1	EPA 537m Certifications:	02/03/2020 12:09	02/04/2020 02:24	KT
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ng/L	2.00	1	EPA 537m Certifications:	02/03/2020 12:09	02/04/2020 02:24	KT
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	2.00	1	EPA 537m Certifications:	02/03/2020 12:09	02/04/2020 02:24	KT
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ng/L	2.00	1	EPA 537m Certifications:	02/03/2020 12:09	02/04/2020 02:24	KT
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	2.00	1	EPA 537m Certifications:	02/03/2020 12:09	02/04/2020 02:24	KT
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ng/L	2.00	1	EPA 537m Certifications:	02/03/2020 12:09	02/04/2020 02:24	KT
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	2.00	1	EPA 537m Certifications:	02/03/2020 12:09	02/04/2020 02:24	KT
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	2.00	1	EPA 537m Certifications:	02/03/2020 12:09	02/04/2020 02:24	KT
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	2.00	1	EPA 537m Certifications:	02/03/2020 12:09	02/04/2020 02:24	KT
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	2.00	1	EPA 537m Certifications:	02/03/2020 12:09	02/04/2020 02:24	KT
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	2.00	1	EPA 537m Certifications:	02/03/2020 12:09	02/04/2020 02:24	KT
2355-31-9	* N-MeFOSAA	ND		ng/L	2.00	1	EPA 537m Certifications:	02/03/2020 12:09	02/04/2020 02:24	KT
2991-50-6	* N-EtFOSAA	ND		ng/L	2.00	1	EPA 537m Certifications:	02/03/2020 12:09	02/04/2020 02:24	KT
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ng/L	2.00	1	EPA 537m Certifications:	02/03/2020 12:09	02/04/2020 02:24	KT
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	2.00	1	EPA 537m Certifications:	02/03/2020 12:09	02/04/2020 02:24	KT
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	2.00	1	EPA 537m Certifications:	02/03/2020 12:09	02/04/2020 02:24	KT
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	2.00	1	EPA 537m Certifications:	02/03/2020 12:09	02/04/2020 02:24	KT
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	5.00	1	EPA 537m Certifications:	02/03/2020 12:09	02/04/2020 02:24	KT
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	2.00	1	EPA 537m Certifications:	02/03/2020 12:09	02/04/2020 02:24	KT
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	2.00	1	EPA 537m Certifications:	02/03/2020 12:09	02/04/2020 02:24	KT
Surrogate Recoveries		Result	Acceptance Range							
Surrogate: M3PFBS		60.5 %	25-150							
Surrogate: M5PFHxA		53.5 %	25-150							



Sample Information

Client Sample ID: Field Blank

York Sample ID: 20A1034-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1034

130 Midland Avenue, Port Chester, New York

Water

January 28, 2020 12:00 am

01/29/2020

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: M4PFHpA	49.8 %			25-150					
	Surrogate: M3PFHxS	57.9 %			25-150					
	Surrogate: Perfluoro-n- [13C8]octanoic acid (M8PFOA)	44.1 %			25-150					
	Surrogate: M6PFDA	43.9 %			25-150					
	Surrogate: M7PFUdA	41.0 %			25-150					
	Surrogate: Perfluoro-n- [1,2-13C2]dodecanoic acid (MPFDoA)	37.0 %			25-150					
	Surrogate: M2PFTeDA	14.7 %			10-150					
	Surrogate: Perfluoro-n- [13C4]butanoic acid (MPFBA)	58.8 %			25-150					
	Surrogate: Perfluoro-1- [13C8]octanesulfonic acid (M8PFOS)	59.4 %			25-150					
	Surrogate: Perfluoro-n- [13C5]pentanoic acid (M5PFPeA)	56.4 %			25-150					
	Surrogate: Perfluoro-1- [13C8]octanesulfonamide (M8FOSA)	55.4 %			10-150					
	Surrogate: d3-N-MeFOSAA	59.8 %			25-150					
	Surrogate: d5-N-EtFOSAA	61.0 %			25-150					
	Surrogate: M2-6:2 FTS	40.7 %			25-150					
	Surrogate: M2-8:2 FTS	47.0 %			25-150					
	Surrogate: M9PFNA	47.6 %			25-150					



Analytical Batch Summary

Batch ID: BA01444 **Preparation Method:** SPE PFAS Extraction-Soil-EPA 537m **Prepared By:** WL

YORK Sample ID	Client Sample ID	Preparation Date
20A1034-01	GB-1	01/30/20
20A1034-02	GB-2	01/30/20
20A1034-03	GB-3	01/30/20
20A1034-04	GB-4	01/30/20
20A1034-05	GB-5	01/30/20
20A1034-06	GB-6	01/30/20
BA01444-BLK1	Blank	01/30/20
BA01444-BS1	LCS	01/30/20

Batch ID: BB00037 **Preparation Method:** SPE Ext-PFAS-EPA 537.1M **Prepared By:** WL

YORK Sample ID	Client Sample ID	Preparation Date
20A1034-07	Field Blank	02/03/20
BB00037-BLK1	Blank	02/03/20
BB00037-BS1	LCS	02/03/20

Batch ID: BB00143 **Preparation Method:** % Solids Prep **Prepared By:** WL

YORK Sample ID	Client Sample ID	Preparation Date
20A1034-01	GB-1	02/04/20
20A1034-02	GB-2	02/04/20
20A1034-03	GB-3	02/04/20
20A1034-04	GB-4	02/04/20
20A1034-05	GB-5	02/04/20
20A1034-06	GB-6	02/04/20



PFAS Target compounds by LC/MS-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 BA01444 - SPE PFAS Extraction-Soil-EPA 537m

Blank (BA01444-BLK1)

Prepared: 01/30/2020 Analyzed: 02/03/2020

Perfluorobutanesulfonic acid (PFBS)	ND	0.694	ug/kg wet								
Perfluorohexanoic acid (PFHxA)	ND	0.694	"								
Perfluoroheptanoic acid (PFHpA)	ND	0.694	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	0.694	"								
Perfluorooctanoic acid (PFOA)	ND	0.694	"								
Perfluorooctanesulfonic acid (PFOS)	ND	0.694	"								
Perfluorononanoic acid (PFNA)	ND	0.694	"								
Perfluorodecanoic acid (PFDA)	ND	0.694	"								
Perfluoroundecanoic acid (PFUnA)	ND	0.694	"								
Perfluorododecanoic acid (PFDoA)	ND	0.694	"								
Perfluorotridecanoic acid (PFTriDA)	ND	0.694	"								
Perfluorotetradecanoic acid (PFTA)	ND	0.694	"								
N-MeFOSAA	ND	0.694	"								
N-EtFOSAA	ND	0.694	"								
Perfluoropentanoic acid (PFPeA)	ND	0.694	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	0.694	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	0.694	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	0.694	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND	0.694	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND	0.694	"								
Perfluoro-n-butanoic acid (PFBA)	ND	0.694	"								
Surrogate: M3PFBS	2.69		"	4.30		62.6	25-150				
Surrogate: M5PFHxA	2.79		"	4.63		60.4	25-150				
Surrogate: M4PFHpA	2.46		"	4.63		53.3	25-150				
Surrogate: M3PFHxS	2.82		"	4.38		64.5	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	2.67		"	4.63		57.6	25-150				
Surrogate: M6PFDA	2.48		"	4.63		53.7	25-150				
Surrogate: M7PFUdA	2.40		"	4.63		51.8	25-150				
Surrogate: Perfluoro-n- [1,2-13C2]dodecanoic acid (MPFDoA)	2.46		"	4.63		53.1	25-150				
Surrogate: M2PFTeDA	2.58		"	4.63		55.8	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	2.65		"	4.63		57.3	25-150				
Surrogate: Perfluoro-1- [13C8]octanesulfonic acid (M8PFOS)	2.75		"	4.43		62.2	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	2.68		"	4.63		57.9	25-150				
Surrogate: Perfluoro-1- [13C8]octanesulfonamide (M8FOSA)	2.43		"	4.63		52.6	10-150				
Surrogate: d3-N-MeFOSAA	3.08		"	4.63		66.5	25-150				
Surrogate: d5-N-EtFOSAA	5.07		"	4.63		110	25-150				
Surrogate: M2-6:2 FTS	7.77		"	4.39		177	25-150				
Surrogate: M2-8:2 FTS	4.64		"	4.43		105	25-150				
Surrogate: M9PFNA	2.47		"	4.63		53.5	25-150				



PFAS Target compounds by LC/MS-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 BA01444 - SPE PFAS Extraction-Soil-EPA 537m

LCS (BA01444-BS1)

Prepared: 01/30/2020 Analyzed: 02/03/2020

Perfluorobutanesulfonic acid (PFBS)	4.87	0.702	ug/kg wet	4.14		118	50-130				
Perfluorohexanoic acid (PFHxA)	4.81	0.702	"	4.68		103	50-130				
Perfluoroheptanoic acid (PFHpA)	5.41	0.702	"	4.68		116	50-130				
Perfluorohexanesulfonic acid (PFHxS)	3.73	0.702	"	3.46		108	50-130				
Perfluorooctanoic acid (PFOA)	4.57	0.702	"	4.68		97.7	50-130				
Perfluorooctanesulfonic acid (PFOS)	3.60	0.702	"	3.42		105	50-130				
Perfluorononanoic acid (PFNA)	3.76	0.702	"	4.49		83.7	50-130				
Perfluorodecanoic acid (PFDA)	5.14	0.702	"	4.68		110	50-130				
Perfluoroundecanoic acid (PFUnA)	5.27	0.702	"	4.68		113	50-130				
Perfluorododecanoic acid (PFDoA)	4.94	0.702	"	4.68		106	50-130				
Perfluorotridecanoic acid (PFTDA)	5.66	0.702	"	4.68		121	50-130				
Perfluorotetradecanoic acid (PFTA)	4.45	0.702	"	4.68		95.2	50-130				
N-MeFOSAA	4.67	0.702	"	4.68		99.8	50-130				
N-EtFOSAA	4.43	0.702	"	4.68		94.7	50-130				
Perfluoropentanoic acid (PFPeA)	4.83	0.702	"	4.68		103	50-130				
Perfluoro-1-octanesulfonamide (FOSA)	5.01	0.702	"	4.68		107	50-130				
Perfluoro-1-heptanesulfonic acid (PFHpS)	5.08	0.702	"	4.66		109	50-130				
Perfluoro-1-decanesulfonic acid (PFDS)	4.23	0.702	"	4.52		93.7	50-130				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	4.71	0.702	"	4.44		106	50-130				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	4.73	0.702	"	4.49		105	50-130				
Perfluoro-n-butanoic acid (PFBA)	4.99	0.702	"	4.68		107	50-130				
Surrogate: M3PFBS	3.29		"	4.35		75.8	25-150				
Surrogate: M5PFHxA	3.17		"	4.68		67.7	25-150				
Surrogate: M4PFHpA	2.57		"	4.68		55.0	25-150				
Surrogate: M3PFHxS	3.39		"	4.43		76.6	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	3.02		"	4.68		64.5	25-150				
Surrogate: M6PFDA	2.82		"	4.68		60.3	25-150				
Surrogate: M7PFUdA	2.79		"	4.68		59.6	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	2.48		"	4.68		53.0	25-150				
Surrogate: M2PFTeDA	3.29		"	4.68		70.3	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	3.22		"	4.68		68.9	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	3.30		"	4.48		73.8	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	3.21		"	4.68		68.6	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	3.28		"	4.68		70.1	10-150				
Surrogate: d3-N-MeFOSAA	3.73		"	4.68		79.7	25-150				
Surrogate: d5-N-EtFOSAA	5.70		"	4.68		122	25-150				
Surrogate: M2-6:2 FTS	9.94		"	4.44		224	25-150				
Surrogate: M2-8:2 FTS	4.55		"	4.48		102	25-150				
Surrogate: M9PFNA	3.24		"	4.68		69.2	25-150				



PFAS Target compounds by LC/MS-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 BB00037 - SPE Ext-PFAS-EPA 537.1M

Blank (BB00037-BLK1)

Prepared & Analyzed: 02/03/2020

Perfluorobutanesulfonic acid (PFBS)	ND	2.00	ng/L								
Perfluorohexanoic acid (PFHxA)	ND	2.00	"								
Perfluoroheptanoic acid (PFHpA)	ND	2.00	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	2.00	"								
Perfluorooctanoic acid (PFOA)	ND	2.00	"								
Perfluorooctanesulfonic acid (PFOS)	ND	2.00	"								
Perfluorononanoic acid (PFNA)	ND	2.00	"								
Perfluorodecanoic acid (PFDA)	ND	2.00	"								
Perfluoroundecanoic acid (PFUnA)	ND	2.00	"								
Perfluorododecanoic acid (PFDoA)	ND	2.00	"								
Perfluorotridecanoic acid (PFTDA)	ND	2.00	"								
Perfluorotetradecanoic acid (PFTA)	ND	2.00	"								
N-MeFOSAA	ND	2.00	"								
N-EtFOSAA	ND	2.00	"								
Perfluoropentanoic acid (PFPeA)	ND	2.00	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	2.00	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	2.00	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	2.00	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND	5.00	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND	2.00	"								
Perfluoro-n-butanoic acid (PFBA)	ND	2.00	"								
Surrogate: M3PFBS	49.1		"	74.3		66.1	25-150				
Surrogate: M5PFHxA	43.0		"	80.0		53.7	25-150				
Surrogate: M4PFHpA	38.3		"	80.0		47.9	25-150				
Surrogate: M3PFHxS	45.4		"	75.7		59.9	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	37.7		"	80.0		47.1	25-150				
Surrogate: M6PFDA	38.1		"	80.0		47.6	25-150				
Surrogate: M7PFUdA	27.6		"	80.0		34.6	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	22.4		"	80.0		28.0	25-150				
Surrogate: M2PFTeDA	20.3		"	80.0		25.4	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	53.4		"	80.0		66.7	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	45.5		"	76.6		59.5	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	50.8		"	80.0		63.5	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	44.2		"	80.0		55.3	10-150				
Surrogate: d3-N-MeFOSAA	42.2		"	80.0		52.8	25-150				
Surrogate: d5-N-EtFOSAA	43.0		"	80.0		53.8	25-150				
Surrogate: M2-6:2 FTS	30.3		"	75.9		39.9	25-150				
Surrogate: M2-8:2 FTS	33.3		"	76.6		43.5	25-150				
Surrogate: M9PFNA	45.1		"	80.0		56.4	25-150				



PFAS Target compounds by LC/MS-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 BB00037 - SPE Ext-PFAS-EPA 537.1M

LCS (BB00037-BS1)

Prepared: 02/03/2020 Analyzed: 02/04/2020

Perfluorobutanesulfonic acid (PFBS)	70.3	2.00	ng/L	70.8		99.3	50-130				
Perfluorohexanoic acid (PFHxA)	74.2	2.00	"	80.0		92.7	50-130				
Perfluoroheptanoic acid (PFHpA)	82.1	2.00	"	80.0		103	50-130				
Perfluorohexanesulfonic acid (PFHxS)	59.1	2.00	"	59.2		99.8	50-130				
Perfluorooctanoic acid (PFOA)	71.3	2.00	"	80.0		89.2	50-130				
Perfluorooctanesulfonic acid (PFOS)	58.8	2.00	"	58.4		101	50-130				
Perfluorononanoic acid (PFNA)	64.2	2.00	"	76.8		83.6	50-130				
Perfluorodecanoic acid (PFDA)	72.8	2.00	"	80.0		91.0	50-130				
Perfluoroundecanoic acid (PFUnA)	77.7	2.00	"	80.0		97.1	50-130				
Perfluorododecanoic acid (PFDoA)	65.1	2.00	"	80.0		81.3	50-130				
Perfluorotridecanoic acid (PFTDA)	47.2	2.00	"	80.0		58.9	50-130				
Perfluorotetradecanoic acid (PFTA)	74.2	2.00	"	80.0		92.8	50-130				
N-MeFOSAA	73.0	2.00	"	80.0		91.3	50-130				
N-EtFOSAA	78.4	2.00	"	80.0		98.1	50-130				
Perfluoropentanoic acid (PFPeA)	74.4	2.00	"	80.0		93.0	50-130				
Perfluoro-1-octanesulfonamide (FOSA)	75.7	2.00	"	80.0		94.6	50-130				
Perfluoro-1-heptanesulfonic acid (PFHpS)	85.2	2.00	"	79.6		107	50-130				
Perfluoro-1-decanesulfonic acid (PFDS)	50.0	2.00	"	77.2		64.8	50-130				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	74.0	5.00	"	76.0		97.3	50-130				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	75.2	2.00	"	76.8		97.9	50-130				
Perfluoro-n-butanoic acid (PFBA)	79.7	2.00	"	80.0		99.6	50-130				
Surrogate: M3PFBS	52.0		"	74.3		70.0	25-150				
Surrogate: M5PFHxA	48.0		"	80.0		60.0	25-150				
Surrogate: M4PFHpA	44.8		"	80.0		56.0	25-150				
Surrogate: M3PFHxS	49.7		"	75.7		65.7	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	44.8		"	80.0		56.0	25-150				
Surrogate: M6PFDA	39.0		"	80.0		48.7	25-150				
Surrogate: M7PFUdA	38.5		"	80.0		48.1	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	24.5		"	80.0		30.6	25-150				
Surrogate: M2PFTeDA	14.3		"	80.0		17.8	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	56.4		"	80.0		70.5	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	49.0		"	76.6		64.0	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	52.6		"	80.0		65.8	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	47.5		"	80.0		59.4	10-150				
Surrogate: d3-N-MeFOSAA	47.2		"	80.0		59.0	25-150				
Surrogate: d5-N-EtFOSAA	42.2		"	80.0		52.8	25-150				
Surrogate: M2-6:2 FTS	39.6		"	75.9		52.1	25-150				
Surrogate: M2-8:2 FTS	38.5		"	76.6		50.2	25-150				
Surrogate: M9PFNA	42.9		"	80.0		53.7	25-150				





Sample and Data Qualifiers Relating to This Work Order

PFSu-L	The isotopically labeled surrogate recovered below lab control limits due to a matrix effect. Isotope Dilution was applied.
PFSu-H	The isotopically labeled surrogate recovered above lab control limits due to a matrix effect. Isotope Dilution was applied.
PF-CCV-L	The CCV recovery was slightly below acceptable limits for the qualified compound. However, sample results are not biased low because results are corrected for isotope recovery.

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.

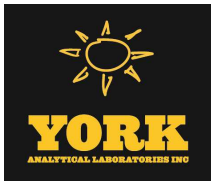
If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For 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.

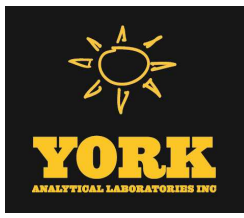
Certification for pH is no longer offered by NYDOH ELAP.

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:

Hydro Environmental Solutions

One Deans Bridge Road

Somers NY, 10589

Attention: Bill Canavan

Report Date: 02/12/2020

Client Project ID: 130 Midland Avenue, Port Chester, New York

York Project (SDG) No.: 20A1129

CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037



New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

120 RESEARCH DRIVE
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132-02 89th AVENUE
FAX (203) 357-0166

RICHMOND HILL, NY 11418
ClientServices@yorklab.com

Report Date: 02/12/2020
Client Project ID: 130 Midland Avenue, Port Chester, New York
York Project (SDG) No.: 20A1129

Hydro Environmental Solutions

One Deans Bridge Road
Somers NY, 10589
Attention: Bill Canavan

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on January 31, 2020 and listed below. The project was identified as your project: **130 Midland Avenue, Port Chester, New York.**

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>
20A1129-01	MW-4	Soil	01/30/2020	01/31/2020
20A1129-02	MW-5	Soil	01/30/2020	01/31/2020
20A1129-03	GB-9	Soil	01/30/2020	01/31/2020
20A1129-04	GB-11	Soil	01/30/2020	01/31/2020

General Notes for York Project (SDG) No.: 20A1129

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:



Benjamin Gulizia
Laboratory Director

Date: 02/12/2020





Sample Information

Client Sample ID: MW-4

York Sample ID: 20A1129-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1129

130 Midland Avenue, Port Chester, New York

Soil

January 30, 2020 12:00 am

01/31/2020

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	1.09		ug/kg dry	0.820	1	EPA 537m Certifications:	02/06/2020 16:17	02/11/2020 19:31	KT
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.820	1	EPA 537m Certifications:	02/06/2020 16:17	02/11/2020 19:31	KT
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.820	1	EPA 537m Certifications:	02/06/2020 16:17	02/11/2020 19:31	KT
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.820	1	EPA 537m Certifications:	02/06/2020 16:17	02/11/2020 19:31	KT
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.820	1	EPA 537m Certifications:	02/06/2020 16:17	02/11/2020 19:31	KT
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.820	1	EPA 537m Certifications:	02/06/2020 16:17	02/11/2020 19:31	KT
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.820	1	EPA 537m Certifications:	02/06/2020 16:17	02/11/2020 19:31	KT
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.820	1	EPA 537m Certifications:	02/06/2020 16:17	02/11/2020 19:31	KT
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.820	1	EPA 537m Certifications:	02/06/2020 16:17	02/11/2020 19:31	KT
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.820	1	EPA 537m Certifications:	02/06/2020 16:17	02/11/2020 19:31	KT
72629-94-8	* Perfluorotridecanoic acid (PFTriDA)	ND		ug/kg dry	0.820	1	EPA 537m Certifications:	02/06/2020 16:17	02/11/2020 19:31	KT
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.820	1	EPA 537m Certifications:	02/06/2020 16:17	02/11/2020 19:31	KT
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.820	1	EPA 537m Certifications:	02/06/2020 16:17	02/11/2020 19:31	KT
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.820	1	EPA 537m Certifications:	02/06/2020 16:17	02/11/2020 19:31	KT
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.820	1	EPA 537m Certifications:	02/06/2020 16:17	02/11/2020 19:31	KT
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.820	1	EPA 537m Certifications:	02/06/2020 16:17	02/11/2020 19:31	KT
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.820	1	EPA 537m Certifications:	02/06/2020 16:17	02/11/2020 19:31	KT
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.820	1	EPA 537m Certifications:	02/06/2020 16:17	02/11/2020 19:31	KT
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.820	1	EPA 537m Certifications:	02/06/2020 16:17	02/11/2020 19:31	KT
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.820	1	EPA 537m Certifications:	02/06/2020 16:17	02/11/2020 19:31	KT
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.820	1	EPA 537m Certifications:	02/06/2020 16:17	02/11/2020 19:31	KT

Surrogate Recoveries

Result

Acceptance Range

120 RESEARCH DRIVE

STRATFORD, CT 06615

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(203) 325-1371

132-02 89th AVENUE

FAX (203) 357-0166

RICHMOND HILL, NY 11418

ClientServices@

Page 4 of 19



Sample Information

Client Sample ID: MW-4

York Sample ID: 20A1129-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1129

130 Midland Avenue, Port Chester, New York

Soil

January 30, 2020 12:00 am

01/31/2020

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: M3PFBS	78.6 %			25-150					
	Surrogate: M5PFHxA	84.0 %			25-150					
	Surrogate: M4PFHpA	66.1 %			25-150					
	Surrogate: M3PFHxS	79.1 %			25-150					
	Surrogate: Perfluoro-n- [13C8]octanoic acid (M8PFOA)	81.5 %			25-150					
	Surrogate: M6PFDA	76.6 %			25-150					
	Surrogate: M7PFUdA	50.0 %			25-150					
	Surrogate: Perfluoro-n- [1,2-13C2]dodecanoic acid (MPFDoA)	46.5 %			25-150					
	Surrogate: M2PFTeDA	43.2 %			10-150					
	Surrogate: Perfluoro-n- [13C4]butanoic acid (MPFBA)	78.4 %			25-150					
	Surrogate: Perfluoro-1- [13C8]octanesulfonic acid (M8PFOS)	74.6 %			25-150					
	Surrogate: Perfluoro-n- [13C5]pentanoic acid (M5PFPeA)	83.9 %			25-150					
	Surrogate: Perfluoro-1- [13C8]octanesulfonamide (M8FOSA)	59.7 %			10-150					
	Surrogate: d3-N-MeFOSAA	94.9 %			25-150					
	Surrogate: d5-N-EtFOSAA	104 %			25-150					
	Surrogate: M2-6:2 FTS	234 %	PFSu-H		25-150					
	Surrogate: M2-8:2 FTS	297 %	PFSu-H		25-150					
	Surrogate: M9PFNA	77.0 %			25-150					

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	86.0		%	0.100	1	SM 2540G	02/07/2020 15:56	02/07/2020 16:01	WL
							Certifications: CTD0H			

Sample Information

Client Sample ID: MW-5

York Sample ID: 20A1129-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1129

130 Midland Avenue, Port Chester, New York

Soil

January 30, 2020 12:00 am

01/31/2020

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

120 RESEARCH DRIVE
www.YORKLAB.com

STRATFORD, CT 06615
(203) 325-1371

132-02 89th AVENUE
FAX (203) 357-0166

RICHMOND HILL, NY 11418
ClientServices@



Sample Information

Client Sample ID: MW-5

York Sample ID: 20A1129-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1129

130 Midland Avenue, Port Chester, New York

Soil

January 30, 2020 12:00 am

01/31/2020

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.817	1	EPA 537m Certifications:	02/06/2020 16:17	02/11/2020 19:58	KT
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.817	1	EPA 537m Certifications:	02/06/2020 16:17	02/11/2020 19:58	KT
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.817	1	EPA 537m Certifications:	02/06/2020 16:17	02/11/2020 19:58	KT
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.817	1	EPA 537m Certifications:	02/06/2020 16:17	02/11/2020 19:58	KT
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.817	1	EPA 537m Certifications:	02/06/2020 16:17	02/11/2020 19:58	KT
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.817	1	EPA 537m Certifications:	02/06/2020 16:17	02/11/2020 19:58	KT
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.817	1	EPA 537m Certifications:	02/06/2020 16:17	02/11/2020 19:58	KT
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.817	1	EPA 537m Certifications:	02/06/2020 16:17	02/11/2020 19:58	KT
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.817	1	EPA 537m Certifications:	02/06/2020 16:17	02/11/2020 19:58	KT
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.817	1	EPA 537m Certifications:	02/06/2020 16:17	02/11/2020 19:58	KT
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.817	1	EPA 537m Certifications:	02/06/2020 16:17	02/11/2020 19:58	KT
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.817	1	EPA 537m Certifications:	02/06/2020 16:17	02/11/2020 19:58	KT
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.817	1	EPA 537m Certifications:	02/06/2020 16:17	02/11/2020 19:58	KT
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.817	1	EPA 537m Certifications:	02/06/2020 16:17	02/11/2020 19:58	KT
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.817	1	EPA 537m Certifications:	02/06/2020 16:17	02/11/2020 19:58	KT
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.817	1	EPA 537m Certifications:	02/06/2020 16:17	02/11/2020 19:58	KT
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.817	1	EPA 537m Certifications:	02/06/2020 16:17	02/11/2020 19:58	KT
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.817	1	EPA 537m Certifications:	02/06/2020 16:17	02/11/2020 19:58	KT
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.817	1	EPA 537m Certifications:	02/06/2020 16:17	02/11/2020 19:58	KT
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.817	1	EPA 537m Certifications:	02/06/2020 16:17	02/11/2020 19:58	KT
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.817	1	EPA 537m Certifications:	02/06/2020 16:17	02/11/2020 19:58	KT
Surrogate Recoveries		Result	Acceptance Range							
Surrogate: M3PFBS		68.0 %	25-150							
Surrogate: M5PFHxA		66.8 %	25-150							



Sample Information

Client Sample ID: MW-5

York Sample ID: 20A1129-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1129

130 Midland Avenue, Port Chester, New York

Soil

January 30, 2020 12:00 am

01/31/2020

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: M4PFHpA	61.1 %			25-150					
	Surrogate: M3PFHxS	69.0 %			25-150					
	Surrogate: Perfluoro-n- [13C8]octanoic acid (M8PFOA)	68.5 %			25-150					
	Surrogate: M6PFDA	57.1 %			25-150					
	Surrogate: M7PFUdA	53.0 %			25-150					
	Surrogate: Perfluoro-n- [1,2-13C2]dodecanoic acid (MPFDoA)	44.9 %			25-150					
	Surrogate: M2PFTeDA	48.4 %			10-150					
	Surrogate: Perfluoro-n- [13C4]butanoic acid (MPFBA)	67.9 %			25-150					
	Surrogate: Perfluoro-1- [13C8]octanesulfonic acid (M8PFOS)	66.4 %			25-150					
	Surrogate: Perfluoro-n- [13C5]pentanoic acid (M5PFPeA)	70.8 %			25-150					
	Surrogate: Perfluoro-1- [13C8]octanesulfonamide (M8FOSA)	54.8 %			10-150					
	Surrogate: d3-N-MeFOSAA	85.7 %			25-150					
	Surrogate: d5-N-EtFOSAA	99.3 %			25-150					
	Surrogate: M2-6:2 FTS	216 %	PFSu-H		25-150					
	Surrogate: M2-8:2 FTS	272 %	PFSu-H		25-150					
	Surrogate: M9PFNA	72.6 %			25-150					

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	85.5		%	0.100	1	SM 2540G Certifications: CTD0H	02/07/2020 15:56	02/07/2020 16:01	WL

Sample Information

Client Sample ID: GB-9

York Sample ID: 20A1129-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1129

130 Midland Avenue, Port Chester, New York

Soil

January 30, 2020 12:00 am

01/31/2020

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: GB-9

York Sample ID: 20A1129-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1129

130 Midland Avenue, Port Chester, New York

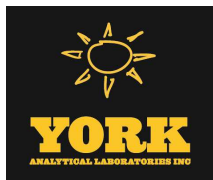
Soil

January 30, 2020 12:00 am

01/31/2020

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.888	1	EPA 537m Certifications:	02/06/2020 16:17	02/11/2020 20:25	KT
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.888	1	EPA 537m Certifications:	02/06/2020 16:17	02/11/2020 20:25	KT
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.888	1	EPA 537m Certifications:	02/06/2020 16:17	02/11/2020 20:25	KT
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.888	1	EPA 537m Certifications:	02/06/2020 16:17	02/11/2020 20:25	KT
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.888	1	EPA 537m Certifications:	02/06/2020 16:17	02/11/2020 20:25	KT
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.888	1	EPA 537m Certifications:	02/06/2020 16:17	02/11/2020 20:25	KT
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.888	1	EPA 537m Certifications:	02/06/2020 16:17	02/11/2020 20:25	KT
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.888	1	EPA 537m Certifications:	02/06/2020 16:17	02/11/2020 20:25	KT
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.888	1	EPA 537m Certifications:	02/06/2020 16:17	02/11/2020 20:25	KT
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.888	1	EPA 537m Certifications:	02/06/2020 16:17	02/11/2020 20:25	KT
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.888	1	EPA 537m Certifications:	02/06/2020 16:17	02/11/2020 20:25	KT
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.888	1	EPA 537m Certifications:	02/06/2020 16:17	02/11/2020 20:25	KT
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.888	1	EPA 537m Certifications:	02/06/2020 16:17	02/11/2020 20:25	KT
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.888	1	EPA 537m Certifications:	02/06/2020 16:17	02/11/2020 20:25	KT
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.888	1	EPA 537m Certifications:	02/06/2020 16:17	02/11/2020 20:25	KT
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.888	1	EPA 537m Certifications:	02/06/2020 16:17	02/11/2020 20:25	KT
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.888	1	EPA 537m Certifications:	02/06/2020 16:17	02/11/2020 20:25	KT
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.888	1	EPA 537m Certifications:	02/06/2020 16:17	02/11/2020 20:25	KT
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.888	1	EPA 537m Certifications:	02/06/2020 16:17	02/11/2020 20:25	KT
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.888	1	EPA 537m Certifications:	02/06/2020 16:17	02/11/2020 20:25	KT
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.888	1	EPA 537m Certifications:	02/06/2020 16:17	02/11/2020 20:25	KT
Surrogate Recoveries		Result	Acceptance Range							
Surrogate: M3PFBS		72.2 %	25-150							
Surrogate: M5PFHxA		72.9 %	25-150							



Sample Information

Client Sample ID: GB-9

York Sample ID: 20A1129-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1129

130 Midland Avenue, Port Chester, New York

Soil

January 30, 2020 12:00 am

01/31/2020

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: M4PFHpA	67.8 %			25-150					
	Surrogate: M3PFHxS	74.0 %			25-150					
	Surrogate: Perfluoro-n- [13C8]octanoic acid (M8PFOA)	72.6 %			25-150					
	Surrogate: M6PFDA	69.5 %			25-150					
	Surrogate: M7PFUdA	57.8 %			25-150					
	Surrogate: Perfluoro-n- [1,2-13C2]dodecanoic acid (MPFDoA)	58.7 %			25-150					
	Surrogate: M2PFTeDA	59.2 %			10-150					
	Surrogate: Perfluoro-n- [13C4]butanoic acid (MPFBA)	71.2 %			25-150					
	Surrogate: Perfluoro-1- [13C8]octanesulfonic acid (M8PFOS)	69.7 %			25-150					
	Surrogate: Perfluoro-n- [13C5]pentanoic acid (M5PFPeA)	73.6 %			25-150					
	Surrogate: Perfluoro-1- [13C8]octanesulfonamide (M8FOSA)	68.3 %			10-150					
	Surrogate: d3-N-MeFOSAA	87.1 %			25-150					
	Surrogate: d5-N-EtFOSAA	115 %			25-150					
	Surrogate: M2-6:2 FTS	232 %	PFSu-H		25-150					
	Surrogate: M2-8:2 FTS	189 %	PFSu-H		25-150					
	Surrogate: M9PFNA	72.7 %			25-150					

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	82.4		%	0.100	1	SM 2540G Certifications: CTD0H	02/07/2020 15:56	02/07/2020 16:01	WL

Sample Information

Client Sample ID: GB-11

York Sample ID: 20A1129-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1129

130 Midland Avenue, Port Chester, New York

Soil

January 30, 2020 12:00 am

01/31/2020

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: GB-11

York Sample ID: 20A1129-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1129

130 Midland Avenue, Port Chester, New York

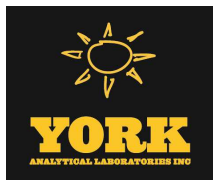
Soil

January 30, 2020 12:00 am

01/31/2020

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	1.69	2	EPA 537m Certifications:	02/06/2020 16:17	02/12/2020 15:59	KT
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	1.69	2	EPA 537m Certifications:	02/06/2020 16:17	02/12/2020 15:59	KT
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	1.69	2	EPA 537m Certifications:	02/06/2020 16:17	02/12/2020 15:59	KT
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	1.69	2	EPA 537m Certifications:	02/06/2020 16:17	02/12/2020 15:59	KT
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	1.69	2	EPA 537m Certifications:	02/06/2020 16:17	02/12/2020 15:59	KT
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	1.69	2	EPA 537m Certifications:	02/06/2020 16:17	02/12/2020 15:59	KT
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	1.69	2	EPA 537m Certifications:	02/06/2020 16:17	02/12/2020 15:59	KT
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	1.69	2	EPA 537m Certifications:	02/06/2020 16:17	02/12/2020 15:59	KT
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	1.69	2	EPA 537m Certifications:	02/06/2020 16:17	02/12/2020 15:59	KT
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	1.69	2	EPA 537m Certifications:	02/06/2020 16:17	02/12/2020 15:59	KT
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	1.69	2	EPA 537m Certifications:	02/06/2020 16:17	02/12/2020 15:59	KT
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	1.69	2	EPA 537m Certifications:	02/06/2020 16:17	02/12/2020 15:59	KT
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	1.69	2	EPA 537m Certifications:	02/06/2020 16:17	02/12/2020 15:59	KT
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	1.69	2	EPA 537m Certifications:	02/06/2020 16:17	02/12/2020 15:59	KT
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	1.69	2	EPA 537m Certifications:	02/06/2020 16:17	02/12/2020 15:59	KT
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	1.69	2	EPA 537m Certifications:	02/06/2020 16:17	02/12/2020 15:59	KT
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	1.69	2	EPA 537m Certifications:	02/06/2020 16:17	02/12/2020 15:59	KT
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	1.69	2	EPA 537m Certifications:	02/06/2020 16:17	02/12/2020 15:59	KT
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	1.69	2	EPA 537m Certifications:	02/06/2020 16:17	02/12/2020 15:59	KT
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	1.69	2	EPA 537m Certifications:	02/06/2020 16:17	02/12/2020 15:59	KT
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	1.69	2	EPA 537m Certifications:	02/06/2020 16:17	02/12/2020 15:59	KT
Surrogate Recoveries		Result	Acceptance Range							
Surrogate: M3PFBS		83.4 %	25-150							
Surrogate: M5PFHxA		84.2 %	25-150							



Sample Information

Client Sample ID: GB-11

York Sample ID: 20A1129-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1129

130 Midland Avenue, Port Chester, New York

Soil

January 30, 2020 12:00 am

01/31/2020

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: M4PFHpA	72.6 %			25-150					
	Surrogate: M3PFHxS	83.2 %			25-150					
	Surrogate: Perfluoro-n- [13C8]octanoic acid (M8PFOA)	80.8 %			25-150					
	Surrogate: M6PFDA	63.0 %			25-150					
	Surrogate: M7PFUdA	62.8 %			25-150					
	Surrogate: Perfluoro-n- [1,2-13C2]dodecanoic acid (MPFDoA)	56.3 %			25-150					
	Surrogate: M2PFTeDA	50.8 %			10-150					
	Surrogate: Perfluoro-n- [13C4]butanoic acid (MPFBA)	82.9 %			25-150					
	Surrogate: Perfluoro-1- [13C8]octanesulfonic acid (M8PFOS)	77.2 %			25-150					
	Surrogate: Perfluoro-n- [13C5]pentanoic acid (M5PFPeA)	89.6 %			25-150					
	Surrogate: Perfluoro-1- [13C8]octanesulfonamide (M8FOSA)	56.8 %			10-150					
	Surrogate: d3-N-MeFOSAA	99.3 %			25-150					
	Surrogate: d5-N-EtFOSAA	102 %			25-150					
	Surrogate: M2-6:2 FTS	246 %	PFSu-H		25-150					
	Surrogate: M2-8:2 FTS	354 %	PFSu-H		25-150					
	Surrogate: M9PFNA	70.5 %			25-150					

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	80.9		%	0.100	1	SM 2540G Certifications: CTD0H	02/07/2020 15:56	02/07/2020 16:01	WL



Analytical Batch Summary

Batch ID: BB00272 **Preparation Method:** SPE PFAS Extraction-Soil-EPA 537m **Prepared By:** WL

YORK Sample ID	Client Sample ID	Preparation Date
20A1129-01	MW-4	02/06/20
20A1129-02	MW-5	02/06/20
20A1129-03	GB-9	02/06/20
20A1129-04	GB-11	02/06/20
BB00272-BLK1	Blank	02/06/20
BB00272-BS1	LCS	02/06/20

Batch ID: BB00347 **Preparation Method:** % Solids Prep **Prepared By:** WL

YORK Sample ID	Client Sample ID	Preparation Date
20A1129-01	MW-4	02/07/20
20A1129-02	MW-5	02/07/20
20A1129-03	GB-9	02/07/20
20A1129-04	GB-11	02/07/20
BB00347-DUP1	Duplicate	02/07/20



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

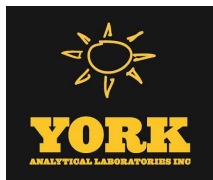
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BB00272 - SPE PFAS Extraction-Soil-EPA 537m

Blank (BB00272-BLK1)

Prepared: 02/06/2020 Analyzed: 02/12/2020

Perfluorobutanesulfonic acid (PFBS)	ND	0.677	ug/kg wet								
Perfluorohexanoic acid (PFHxA)	ND	0.677	"								
Perfluoroheptanoic acid (PFHpA)	ND	0.677	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	0.677	"								
Perfluorooctanoic acid (PFOA)	ND	0.677	"								
Perfluorooctanesulfonic acid (PFOS)	ND	0.677	"								
Perfluorononanoic acid (PFNA)	ND	0.677	"								
Perfluorodecanoic acid (PFDA)	ND	0.677	"								
Perfluoroundecanoic acid (PFUnA)	ND	0.677	"								
Perfluorododecanoic acid (PFDoA)	ND	0.677	"								
Perfluorotridecanoic acid (PFTriDA)	ND	0.677	"								
Perfluorotetradecanoic acid (PFTA)	ND	0.677	"								
N-MeFOSAA	ND	0.677	"								
N-EtFOSAA	ND	0.677	"								
Perfluoropentanoic acid (PFPeA)	ND	0.677	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	0.677	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	0.677	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	0.677	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND	0.677	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND	0.677	"								
Perfluoro-n-butanoic acid (PFBA)	ND	0.677	"								
Surrogate: M3PFBS	2.84		"	4.20		67.6	25-150				
Surrogate: M5PFHxA	3.08		"	4.52		68.2	25-150				
Surrogate: M4PFHpA	3.03		"	4.52		67.0	25-150				
Surrogate: M3PFHxS	2.94		"	4.27		68.9	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	2.78		"	4.52		61.6	25-150				
Surrogate: M6PFDA	2.90		"	4.52		64.3	25-150				
Surrogate: M7PFUdA	2.43		"	4.52		53.8	25-150				
Surrogate: Perfluoro-n- [1,2-13C2]dodecanoic acid (MPFDoA)	2.28		"	4.52		50.5	25-150				
Surrogate: M2PFTeDA	2.40		"	4.52		53.1	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	2.87		"	4.52		63.6	25-150				
Surrogate: Perfluoro-1- [13C8]octanesulfonic acid (M8PFOS)	2.62		"	4.32		60.6	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	3.01		"	4.52		66.6	25-150				
Surrogate: Perfluoro-1- [13C8]octanesulfonamide (M8FOSA)	2.93		"	4.52		64.9	10-150				
Surrogate: d3-N-MeFOSAA	2.76		"	4.52		61.2	25-150				
Surrogate: d5-N-EtFOSAA	4.93		"	4.52		109	25-150				
Surrogate: M2-6:2 FTS	9.85		"	4.29		230	25-150				
Surrogate: M2-8:2 FTS	4.18		"	4.33		96.7	25-150				
Surrogate: M9PFNA	2.98		"	4.52		66.0	25-150				



PFAS Target compounds by LC/MS-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 BB00272 - SPE PFAS Extraction-Soil-EPA 537m

LCS (BB00272-BS1)

Prepared: 02/06/2020 Analyzed: 02/11/2020

Perfluorobutanesulfonic acid (PFBS)	6.25	0.679	ug/kg wet	4.01		156	50-130	High Bias			
Perfluorohexanoic acid (PFHxA)	4.28	0.679	"	4.53		94.6	50-130				
Perfluoroheptanoic acid (PFHpA)	5.27	0.679	"	4.53		116	50-130				
Perfluorohexanesulfonic acid (PFHxS)	3.38	0.679	"	3.35		101	50-130				
Perfluorooctanoic acid (PFOA)	4.21	0.679	"	4.53		92.9	50-130				
Perfluorooctanesulfonic acid (PFOS)	3.41	0.679	"	3.30		103	50-130				
Perfluorononanoic acid (PFNA)	4.60	0.679	"	4.35		106	50-130				
Perfluorodecanoic acid (PFDA)	4.96	0.679	"	4.53		109	50-130				
Perfluoroundecanoic acid (PFUnA)	4.80	0.679	"	4.53		106	50-130				
Perfluorododecanoic acid (PFDoA)	4.01	0.679	"	4.53		88.5	50-130				
Perfluorotridecanoic acid (PFTDA)	4.52	0.679	"	4.53		99.9	50-130				
Perfluorotetradecanoic acid (PFTA)	4.06	0.679	"	4.53		89.6	50-130				
N-MeFOSAA	4.26	0.679	"	4.53		94.0	50-130				
N-EtFOSAA	4.05	0.679	"	4.53		89.4	50-130				
Perfluoropentanoic acid (PFPeA)	4.46	0.679	"	4.53		98.5	50-130				
Perfluoro-1-octanesulfonamide (FOSA)	4.33	0.679	"	4.53		95.6	50-130				
Perfluoro-1-heptanesulfonic acid (PFHpS)	4.76	0.679	"	4.50		106	50-130				
Perfluoro-1-decanesulfonic acid (PFDS)	4.04	0.679	"	4.37		92.4	50-130				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	4.30	0.679	"	4.30		100	50-130				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	4.12	0.679	"	4.35		94.8	50-130				
Perfluoro-n-butanoic acid (PFBA)	4.53	0.679	"	4.53		100	50-130				
Surrogate: M3PFBS	3.50		"	4.20		83.3	25-150				
Surrogate: M5PFHxA	3.64		"	4.53		80.4	25-150				
Surrogate: M4PFHpA	3.06		"	4.53		67.5	25-150				
Surrogate: M3PFHxS	3.56		"	4.28		83.2	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	3.66		"	4.53		80.8	25-150				
Surrogate: M6PFDA	3.40		"	4.53		75.2	25-150				
Surrogate: M7PFUDA	2.99		"	4.53		66.1	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	3.34		"	4.53		73.7	25-150				
Surrogate: M2PFTeDA	3.85		"	4.53		85.0	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	3.47		"	4.53		76.8	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	3.41		"	4.33		78.7	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	3.62		"	4.53		80.0	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	3.59		"	4.53		79.3	10-150				
Surrogate: d3-N-MeFOSAA	3.84		"	4.53		84.9	25-150				
Surrogate: d5-N-EtFOSAA	6.10		"	4.53		135	25-150				
Surrogate: M2-6:2 FTS	11.7		"	4.30		272	25-150				
Surrogate: M2-8:2 FTS	4.75		"	4.34		110	25-150				
Surrogate: M9PFNA	3.35		"	4.53		74.0	25-150				



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 BB00347 - % Solids Prep

Duplicate (BB00347-DUP1)		*Source sample: 20A1129-04 (GB-11)					Prepared & Analyzed: 02/07/2020				
% Solids	80.6	0.100	%		80.9			0.438	20		





Sample and Data Qualifiers Relating to This Work Order

PFSu-H	The isotopically labeled surrogate recovered above lab control limits due to a matrix effect. Isotope Dilution was applied.
PF-LCS-H	The LCS recovery was slightly above acceptable limits for the qualified compound. However, sample results are not biased high because results are corrected for isotope recovery.

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.

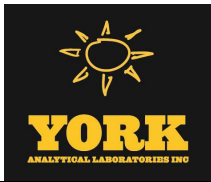
If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

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.

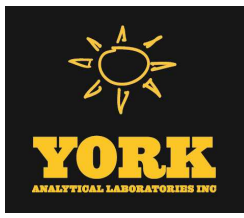
For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic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



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

York Project No.

[illegible]



Technical Report

prepared for:

Hydro Environmental Solutions

One Deans Bridge Road

Somers NY, 10589

Attention: Bill Canavan

Report Date: 02/12/2020

Client Project ID: 130 Midland Avenue, Port Chester, New York

York Project (SDG) No.: 20A1129

CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037



New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

120 RESEARCH DRIVE
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STRATFORD, CT 06615
(203) 325-1371



132-02 89th AVENUE
FAX (203) 357-0166

RICHMOND HILL, NY 11418
ClientServices@yorklab.com

Report Date: 02/12/2020
Client Project ID: 130 Midland Avenue, Port Chester, New York
York Project (SDG) No.: 20A1129

Hydro Environmental Solutions

One Deans Bridge Road
Somers NY, 10589
Attention: Bill Canavan

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on January 31, 2020 and listed below. The project was identified as your project: **130 Midland Avenue, Port Chester, New York.**

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>
20A1129-01	MW-4	Soil	01/30/2020	01/31/2020
20A1129-02	MW-5	Soil	01/30/2020	01/31/2020
20A1129-03	GB-9	Soil	01/30/2020	01/31/2020
20A1129-04	GB-11	Soil	01/30/2020	01/31/2020

General Notes for York Project (SDG) No.: 20A1129

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:



Benjamin Gulizia
Laboratory Director

Date: 02/12/2020





Sample Information

Client Sample ID: MW-4

York Sample ID: 20A1129-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1129

130 Midland Avenue, Port Chester, New York

Soil

January 30, 2020 12:00 am

01/31/2020

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	1.09		ug/kg dry	0.820	1	EPA 537m Certifications:	02/06/2020 16:17	02/11/2020 19:31	KT
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.820	1	EPA 537m Certifications:	02/06/2020 16:17	02/11/2020 19:31	KT
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.820	1	EPA 537m Certifications:	02/06/2020 16:17	02/11/2020 19:31	KT
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.820	1	EPA 537m Certifications:	02/06/2020 16:17	02/11/2020 19:31	KT
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.820	1	EPA 537m Certifications:	02/06/2020 16:17	02/11/2020 19:31	KT
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.820	1	EPA 537m Certifications:	02/06/2020 16:17	02/11/2020 19:31	KT
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.820	1	EPA 537m Certifications:	02/06/2020 16:17	02/11/2020 19:31	KT
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.820	1	EPA 537m Certifications:	02/06/2020 16:17	02/11/2020 19:31	KT
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.820	1	EPA 537m Certifications:	02/06/2020 16:17	02/11/2020 19:31	KT
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.820	1	EPA 537m Certifications:	02/06/2020 16:17	02/11/2020 19:31	KT
72629-94-8	* Perfluorotridecanoic acid (PFTriDA)	ND		ug/kg dry	0.820	1	EPA 537m Certifications:	02/06/2020 16:17	02/11/2020 19:31	KT
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.820	1	EPA 537m Certifications:	02/06/2020 16:17	02/11/2020 19:31	KT
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.820	1	EPA 537m Certifications:	02/06/2020 16:17	02/11/2020 19:31	KT
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.820	1	EPA 537m Certifications:	02/06/2020 16:17	02/11/2020 19:31	KT
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.820	1	EPA 537m Certifications:	02/06/2020 16:17	02/11/2020 19:31	KT
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.820	1	EPA 537m Certifications:	02/06/2020 16:17	02/11/2020 19:31	KT
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.820	1	EPA 537m Certifications:	02/06/2020 16:17	02/11/2020 19:31	KT
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.820	1	EPA 537m Certifications:	02/06/2020 16:17	02/11/2020 19:31	KT
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.820	1	EPA 537m Certifications:	02/06/2020 16:17	02/11/2020 19:31	KT
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.820	1	EPA 537m Certifications:	02/06/2020 16:17	02/11/2020 19:31	KT
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.820	1	EPA 537m Certifications:	02/06/2020 16:17	02/11/2020 19:31	KT

Surrogate Recoveries

Result

Acceptance Range

120 RESEARCH DRIVE

STRATFORD, CT 06615

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(203) 325-1371

132-02 89th AVENUE

FAX (203) 357-0166

RICHMOND HILL, NY 11418

ClientServices@

Page 4 of 19



Sample Information

Client Sample ID: MW-4

York Sample ID: 20A1129-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1129

130 Midland Avenue, Port Chester, New York

Soil

January 30, 2020 12:00 am

01/31/2020

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: M3PFBS	78.6 %			25-150					
	Surrogate: M5PFHxA	84.0 %			25-150					
	Surrogate: M4PFHpA	66.1 %			25-150					
	Surrogate: M3PFHxS	79.1 %			25-150					
	Surrogate: Perfluoro-n- [13C8]octanoic acid (M8PFOA)	81.5 %			25-150					
	Surrogate: M6PFDA	76.6 %			25-150					
	Surrogate: M7PFUdA	50.0 %			25-150					
	Surrogate: Perfluoro-n- [1,2-13C2]dodecanoic acid (MPFDoA)	46.5 %			25-150					
	Surrogate: M2PFTeDA	43.2 %			10-150					
	Surrogate: Perfluoro-n- [13C4]butanoic acid (MPFBA)	78.4 %			25-150					
	Surrogate: Perfluoro-1- [13C8]octanesulfonic acid (M8PFOS)	74.6 %			25-150					
	Surrogate: Perfluoro-n- [13C5]pentanoic acid (M5PFPeA)	83.9 %			25-150					
	Surrogate: Perfluoro-1- [13C8]octanesulfonamide (M8FOSA)	59.7 %			10-150					
	Surrogate: d3-N-MeFOSAA	94.9 %			25-150					
	Surrogate: d5-N-EtFOSAA	104 %			25-150					
	Surrogate: M2-6:2 FTS	234 %	PFSu-H		25-150					
	Surrogate: M2-8:2 FTS	297 %	PFSu-H		25-150					
	Surrogate: M9PFNA	77.0 %			25-150					

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	86.0		%	0.100	1	SM 2540G	02/07/2020 15:56	02/07/2020 16:01	WL
							Certifications: CTDOH			

Sample Information

Client Sample ID: MW-5

York Sample ID: 20A1129-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1129

130 Midland Avenue, Port Chester, New York

Soil

January 30, 2020 12:00 am

01/31/2020

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

120 RESEARCH DRIVE
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STRATFORD, CT 06615
(203) 325-1371

132-02 89th AVENUE
FAX (203) 357-0166

RICHMOND HILL, NY 11418
ClientServices@



Sample Information

Client Sample ID: MW-5

York Sample ID: 20A1129-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1129

130 Midland Avenue, Port Chester, New York

Soil

January 30, 2020 12:00 am

01/31/2020

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.817	1	EPA 537m Certifications:	02/06/2020 16:17	02/11/2020 19:58	KT
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.817	1	EPA 537m Certifications:	02/06/2020 16:17	02/11/2020 19:58	KT
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.817	1	EPA 537m Certifications:	02/06/2020 16:17	02/11/2020 19:58	KT
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.817	1	EPA 537m Certifications:	02/06/2020 16:17	02/11/2020 19:58	KT
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.817	1	EPA 537m Certifications:	02/06/2020 16:17	02/11/2020 19:58	KT
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.817	1	EPA 537m Certifications:	02/06/2020 16:17	02/11/2020 19:58	KT
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.817	1	EPA 537m Certifications:	02/06/2020 16:17	02/11/2020 19:58	KT
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.817	1	EPA 537m Certifications:	02/06/2020 16:17	02/11/2020 19:58	KT
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.817	1	EPA 537m Certifications:	02/06/2020 16:17	02/11/2020 19:58	KT
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.817	1	EPA 537m Certifications:	02/06/2020 16:17	02/11/2020 19:58	KT
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.817	1	EPA 537m Certifications:	02/06/2020 16:17	02/11/2020 19:58	KT
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.817	1	EPA 537m Certifications:	02/06/2020 16:17	02/11/2020 19:58	KT
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.817	1	EPA 537m Certifications:	02/06/2020 16:17	02/11/2020 19:58	KT
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.817	1	EPA 537m Certifications:	02/06/2020 16:17	02/11/2020 19:58	KT
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.817	1	EPA 537m Certifications:	02/06/2020 16:17	02/11/2020 19:58	KT
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.817	1	EPA 537m Certifications:	02/06/2020 16:17	02/11/2020 19:58	KT
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.817	1	EPA 537m Certifications:	02/06/2020 16:17	02/11/2020 19:58	KT
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.817	1	EPA 537m Certifications:	02/06/2020 16:17	02/11/2020 19:58	KT
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.817	1	EPA 537m Certifications:	02/06/2020 16:17	02/11/2020 19:58	KT
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.817	1	EPA 537m Certifications:	02/06/2020 16:17	02/11/2020 19:58	KT
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.817	1	EPA 537m Certifications:	02/06/2020 16:17	02/11/2020 19:58	KT
Surrogate Recoveries		Result	Acceptance Range							
Surrogate: M3PFBS		68.0 %	25-150							
Surrogate: M5PFHxA		66.8 %	25-150							



Sample Information

Client Sample ID: MW-5

York Sample ID: 20A1129-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1129

130 Midland Avenue, Port Chester, New York

Soil

January 30, 2020 12:00 am

01/31/2020

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: M4PFHpA	61.1 %			25-150					
	Surrogate: M3PFHxS	69.0 %			25-150					
	Surrogate: Perfluoro-n- [13C8]octanoic acid (M8PFOA)	68.5 %			25-150					
	Surrogate: M6PFDA	57.1 %			25-150					
	Surrogate: M7PFUdA	53.0 %			25-150					
	Surrogate: Perfluoro-n- [1,2-13C2]dodecanoic acid (MPFDoA)	44.9 %			25-150					
	Surrogate: M2PFTeDA	48.4 %			10-150					
	Surrogate: Perfluoro-n- [13C4]butanoic acid (MPFBA)	67.9 %			25-150					
	Surrogate: Perfluoro-1- [13C8]octanesulfonic acid (M8PFOS)	66.4 %			25-150					
	Surrogate: Perfluoro-n- [13C5]pentanoic acid (M5PFPeA)	70.8 %			25-150					
	Surrogate: Perfluoro-1- [13C8]octanesulfonamide (M8FOSA)	54.8 %			10-150					
	Surrogate: d3-N-MeFOSAA	85.7 %			25-150					
	Surrogate: d5-N-EtFOSAA	99.3 %			25-150					
	Surrogate: M2-6:2 FTS	216 %	PFSu-H		25-150					
	Surrogate: M2-8:2 FTS	272 %	PFSu-H		25-150					
	Surrogate: M9PFNA	72.6 %			25-150					

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	85.5		%	0.100	1	SM 2540G Certifications: CTD0H	02/07/2020 15:56	02/07/2020 16:01	WL

Sample Information

Client Sample ID: GB-9

York Sample ID: 20A1129-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1129

130 Midland Avenue, Port Chester, New York

Soil

January 30, 2020 12:00 am

01/31/2020

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: GB-9

York Sample ID: 20A1129-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1129

130 Midland Avenue, Port Chester, New York

Soil

January 30, 2020 12:00 am

01/31/2020

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.888	1	EPA 537m Certifications:	02/06/2020 16:17	02/11/2020 20:25	KT
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.888	1	EPA 537m Certifications:	02/06/2020 16:17	02/11/2020 20:25	KT
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.888	1	EPA 537m Certifications:	02/06/2020 16:17	02/11/2020 20:25	KT
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.888	1	EPA 537m Certifications:	02/06/2020 16:17	02/11/2020 20:25	KT
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.888	1	EPA 537m Certifications:	02/06/2020 16:17	02/11/2020 20:25	KT
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.888	1	EPA 537m Certifications:	02/06/2020 16:17	02/11/2020 20:25	KT
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.888	1	EPA 537m Certifications:	02/06/2020 16:17	02/11/2020 20:25	KT
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.888	1	EPA 537m Certifications:	02/06/2020 16:17	02/11/2020 20:25	KT
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.888	1	EPA 537m Certifications:	02/06/2020 16:17	02/11/2020 20:25	KT
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.888	1	EPA 537m Certifications:	02/06/2020 16:17	02/11/2020 20:25	KT
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.888	1	EPA 537m Certifications:	02/06/2020 16:17	02/11/2020 20:25	KT
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.888	1	EPA 537m Certifications:	02/06/2020 16:17	02/11/2020 20:25	KT
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.888	1	EPA 537m Certifications:	02/06/2020 16:17	02/11/2020 20:25	KT
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.888	1	EPA 537m Certifications:	02/06/2020 16:17	02/11/2020 20:25	KT
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.888	1	EPA 537m Certifications:	02/06/2020 16:17	02/11/2020 20:25	KT
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.888	1	EPA 537m Certifications:	02/06/2020 16:17	02/11/2020 20:25	KT
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.888	1	EPA 537m Certifications:	02/06/2020 16:17	02/11/2020 20:25	KT
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.888	1	EPA 537m Certifications:	02/06/2020 16:17	02/11/2020 20:25	KT
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.888	1	EPA 537m Certifications:	02/06/2020 16:17	02/11/2020 20:25	KT
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.888	1	EPA 537m Certifications:	02/06/2020 16:17	02/11/2020 20:25	KT
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.888	1	EPA 537m Certifications:	02/06/2020 16:17	02/11/2020 20:25	KT
Surrogate Recoveries		Result	Acceptance Range							
Surrogate: M3PFBS		72.2 %	25-150							
Surrogate: M5PFHxA		72.9 %	25-150							



Sample Information

Client Sample ID: GB-9

York Sample ID: 20A1129-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1129

130 Midland Avenue, Port Chester, New York

Soil

January 30, 2020 12:00 am

01/31/2020

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: M4PFHpA	67.8 %			25-150					
	Surrogate: M3PFHxS	74.0 %			25-150					
	Surrogate: Perfluoro-n- [13C8]octanoic acid (M8PFOA)	72.6 %			25-150					
	Surrogate: M6PFDA	69.5 %			25-150					
	Surrogate: M7PFUdA	57.8 %			25-150					
	Surrogate: Perfluoro-n- [1,2-13C2]dodecanoic acid (MPFDoA)	58.7 %			25-150					
	Surrogate: M2PFTeDA	59.2 %			10-150					
	Surrogate: Perfluoro-n- [13C4]butanoic acid (MPFBA)	71.2 %			25-150					
	Surrogate: Perfluoro-1- [13C8]octanesulfonic acid (M8PFOS)	69.7 %			25-150					
	Surrogate: Perfluoro-n- [13C5]pentanoic acid (M5PFPeA)	73.6 %			25-150					
	Surrogate: Perfluoro-1- [13C8]octanesulfonamide (M8FOSA)	68.3 %			10-150					
	Surrogate: d3-N-MeFOSAA	87.1 %			25-150					
	Surrogate: d5-N-EtFOSAA	115 %			25-150					
	Surrogate: M2-6:2 FTS	232 %	PFSu-H		25-150					
	Surrogate: M2-8:2 FTS	189 %	PFSu-H		25-150					
	Surrogate: M9PFNA	72.7 %			25-150					

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	82.4		%	0.100	1	SM 2540G Certifications: CTD0H	02/07/2020 15:56	02/07/2020 16:01	WL

Sample Information

Client Sample ID: GB-11

York Sample ID: 20A1129-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1129

130 Midland Avenue, Port Chester, New York

Soil

January 30, 2020 12:00 am

01/31/2020

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: GB-11

York Sample ID: 20A1129-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1129

130 Midland Avenue, Port Chester, New York

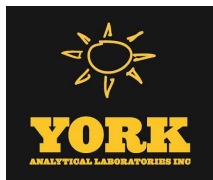
Soil

January 30, 2020 12:00 am

01/31/2020

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	1.69	2	EPA 537m Certifications:	02/06/2020 16:17	02/12/2020 15:59	KT
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	1.69	2	EPA 537m Certifications:	02/06/2020 16:17	02/12/2020 15:59	KT
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	1.69	2	EPA 537m Certifications:	02/06/2020 16:17	02/12/2020 15:59	KT
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	1.69	2	EPA 537m Certifications:	02/06/2020 16:17	02/12/2020 15:59	KT
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	1.69	2	EPA 537m Certifications:	02/06/2020 16:17	02/12/2020 15:59	KT
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	1.69	2	EPA 537m Certifications:	02/06/2020 16:17	02/12/2020 15:59	KT
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	1.69	2	EPA 537m Certifications:	02/06/2020 16:17	02/12/2020 15:59	KT
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	1.69	2	EPA 537m Certifications:	02/06/2020 16:17	02/12/2020 15:59	KT
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	1.69	2	EPA 537m Certifications:	02/06/2020 16:17	02/12/2020 15:59	KT
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	1.69	2	EPA 537m Certifications:	02/06/2020 16:17	02/12/2020 15:59	KT
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	1.69	2	EPA 537m Certifications:	02/06/2020 16:17	02/12/2020 15:59	KT
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	1.69	2	EPA 537m Certifications:	02/06/2020 16:17	02/12/2020 15:59	KT
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	1.69	2	EPA 537m Certifications:	02/06/2020 16:17	02/12/2020 15:59	KT
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	1.69	2	EPA 537m Certifications:	02/06/2020 16:17	02/12/2020 15:59	KT
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	1.69	2	EPA 537m Certifications:	02/06/2020 16:17	02/12/2020 15:59	KT
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	1.69	2	EPA 537m Certifications:	02/06/2020 16:17	02/12/2020 15:59	KT
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	1.69	2	EPA 537m Certifications:	02/06/2020 16:17	02/12/2020 15:59	KT
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	1.69	2	EPA 537m Certifications:	02/06/2020 16:17	02/12/2020 15:59	KT
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	1.69	2	EPA 537m Certifications:	02/06/2020 16:17	02/12/2020 15:59	KT
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	1.69	2	EPA 537m Certifications:	02/06/2020 16:17	02/12/2020 15:59	KT
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	1.69	2	EPA 537m Certifications:	02/06/2020 16:17	02/12/2020 15:59	KT
Surrogate Recoveries		Result	Acceptance Range							
Surrogate: M3PFBS		83.4 %	25-150							
Surrogate: M5PFHxA		84.2 %	25-150							



Sample Information

Client Sample ID: GB-11

York Sample ID: 20A1129-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A1129

130 Midland Avenue, Port Chester, New York

Soil

January 30, 2020 12:00 am

01/31/2020

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: M4PFHpA	72.6 %			25-150					
	Surrogate: M3PFHxS	83.2 %			25-150					
	Surrogate: Perfluoro-n- [13C8]octanoic acid (M8PFOA)	80.8 %			25-150					
	Surrogate: M6PFDA	63.0 %			25-150					
	Surrogate: M7PFUdA	62.8 %			25-150					
	Surrogate: Perfluoro-n- [1,2-13C2]dodecanoic acid (MPFDoA)	56.3 %			25-150					
	Surrogate: M2PFTeDA	50.8 %			10-150					
	Surrogate: Perfluoro-n- [13C4]butanoic acid (MPFBA)	82.9 %			25-150					
	Surrogate: Perfluoro-1- [13C8]octanesulfonic acid (M8PFOS)	77.2 %			25-150					
	Surrogate: Perfluoro-n- [13C5]pentanoic acid (M5PFPeA)	89.6 %			25-150					
	Surrogate: Perfluoro-1- [13C8]octanesulfonamide (M8FOSA)	56.8 %			10-150					
	Surrogate: d3-N-MeFOSAA	99.3 %			25-150					
	Surrogate: d5-N-EtFOSAA	102 %			25-150					
	Surrogate: M2-6:2 FTS	246 %	PFSu-H		25-150					
	Surrogate: M2-8:2 FTS	354 %	PFSu-H		25-150					
	Surrogate: M9PFNA	70.5 %			25-150					

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	80.9		%	0.100	1	SM 2540G Certifications: CTD0H	02/07/2020 15:56	02/07/2020 16:01	WL



Analytical Batch Summary

Batch ID: BB00272 **Preparation Method:** SPE PFAS Extraction-Soil-EPA 537m **Prepared By:** WL

YORK Sample ID	Client Sample ID	Preparation Date
20A1129-01	MW-4	02/06/20
20A1129-02	MW-5	02/06/20
20A1129-03	GB-9	02/06/20
20A1129-04	GB-11	02/06/20
BB00272-BLK1	Blank	02/06/20
BB00272-BS1	LCS	02/06/20

Batch ID: BB00347 **Preparation Method:** % Solids Prep **Prepared By:** WL

YORK Sample ID	Client Sample ID	Preparation Date
20A1129-01	MW-4	02/07/20
20A1129-02	MW-5	02/07/20
20A1129-03	GB-9	02/07/20
20A1129-04	GB-11	02/07/20
BB00347-DUP1	Duplicate	02/07/20



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

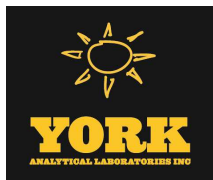
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BB00272 - SPE PFAS Extraction-Soil-EPA 537m

Blank (BB00272-BLK1)

Prepared: 02/06/2020 Analyzed: 02/12/2020

Perfluorobutanesulfonic acid (PFBS)	ND	0.677	ug/kg wet								
Perfluorohexanoic acid (PFHxA)	ND	0.677	"								
Perfluoroheptanoic acid (PFHpA)	ND	0.677	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	0.677	"								
Perfluorooctanoic acid (PFOA)	ND	0.677	"								
Perfluorooctanesulfonic acid (PFOS)	ND	0.677	"								
Perfluorononanoic acid (PFNA)	ND	0.677	"								
Perfluorodecanoic acid (PFDA)	ND	0.677	"								
Perfluoroundecanoic acid (PFUnA)	ND	0.677	"								
Perfluorododecanoic acid (PFDoA)	ND	0.677	"								
Perfluorotridecanoic acid (PFTriDA)	ND	0.677	"								
Perfluorotetradecanoic acid (PFTA)	ND	0.677	"								
N-MeFOSAA	ND	0.677	"								
N-EtFOSAA	ND	0.677	"								
Perfluoropentanoic acid (PFPeA)	ND	0.677	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	0.677	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	0.677	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	0.677	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND	0.677	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND	0.677	"								
Perfluoro-n-butanoic acid (PFBA)	ND	0.677	"								
Surrogate: M3PFBS	2.84		"	4.20		67.6	25-150				
Surrogate: M5PFHxA	3.08		"	4.52		68.2	25-150				
Surrogate: M4PFHpA	3.03		"	4.52		67.0	25-150				
Surrogate: M3PFHxS	2.94		"	4.27		68.9	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	2.78		"	4.52		61.6	25-150				
Surrogate: M6PFDA	2.90		"	4.52		64.3	25-150				
Surrogate: M7PFUdA	2.43		"	4.52		53.8	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	2.28		"	4.52		50.5	25-150				
Surrogate: M2PFTeDA	2.40		"	4.52		53.1	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	2.87		"	4.52		63.6	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	2.62		"	4.32		60.6	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	3.01		"	4.52		66.6	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	2.93		"	4.52		64.9	10-150				
Surrogate: d3-N-MeFOSAA	2.76		"	4.52		61.2	25-150				
Surrogate: d5-N-EtFOSAA	4.93		"	4.52		109	25-150				
Surrogate: M2-6:2 FTS	9.85		"	4.29		230	25-150				
Surrogate: M2-8:2 FTS	4.18		"	4.33		96.7	25-150				
Surrogate: M9PFNA	2.98		"	4.52		66.0	25-150				



PFAS Target compounds by LC/MS-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 BB00272 - SPE PFAS Extraction-Soil-EPA 537m

LCS (BB00272-BS1)

Prepared: 02/06/2020 Analyzed: 02/11/2020

Perfluorobutanesulfonic acid (PFBS)	6.25	0.679	ug/kg wet	4.01		156	50-130	High Bias			
Perfluorohexanoic acid (PFHxA)	4.28	0.679	"	4.53		94.6	50-130				
Perfluoroheptanoic acid (PFHpA)	5.27	0.679	"	4.53		116	50-130				
Perfluorohexanesulfonic acid (PFHxS)	3.38	0.679	"	3.35		101	50-130				
Perfluorooctanoic acid (PFOA)	4.21	0.679	"	4.53		92.9	50-130				
Perfluorooctanesulfonic acid (PFOS)	3.41	0.679	"	3.30		103	50-130				
Perfluorononanoic acid (PFNA)	4.60	0.679	"	4.35		106	50-130				
Perfluorodecanoic acid (PFDA)	4.96	0.679	"	4.53		109	50-130				
Perfluoroundecanoic acid (PFUnA)	4.80	0.679	"	4.53		106	50-130				
Perfluorododecanoic acid (PFDoA)	4.01	0.679	"	4.53		88.5	50-130				
Perfluorotridecanoic acid (PFTDA)	4.52	0.679	"	4.53		99.9	50-130				
Perfluorotetradecanoic acid (PFTA)	4.06	0.679	"	4.53		89.6	50-130				
N-MeFOSAA	4.26	0.679	"	4.53		94.0	50-130				
N-EtFOSAA	4.05	0.679	"	4.53		89.4	50-130				
Perfluoropentanoic acid (PFPeA)	4.46	0.679	"	4.53		98.5	50-130				
Perfluoro-1-octanesulfonamide (FOSA)	4.33	0.679	"	4.53		95.6	50-130				
Perfluoro-1-heptanesulfonic acid (PFHpS)	4.76	0.679	"	4.50		106	50-130				
Perfluoro-1-decanesulfonic acid (PFDS)	4.04	0.679	"	4.37		92.4	50-130				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	4.30	0.679	"	4.30		100	50-130				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	4.12	0.679	"	4.35		94.8	50-130				
Perfluoro-n-butanoic acid (PFBA)	4.53	0.679	"	4.53		100	50-130				
Surrogate: M3PFBS	3.50		"	4.20		83.3	25-150				
Surrogate: M5PFHxA	3.64		"	4.53		80.4	25-150				
Surrogate: M4PFHpA	3.06		"	4.53		67.5	25-150				
Surrogate: M3PFHxS	3.56		"	4.28		83.2	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	3.66		"	4.53		80.8	25-150				
Surrogate: M6PFDA	3.40		"	4.53		75.2	25-150				
Surrogate: M7PFUDA	2.99		"	4.53		66.1	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	3.34		"	4.53		73.7	25-150				
Surrogate: M2PFTeDA	3.85		"	4.53		85.0	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	3.47		"	4.53		76.8	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	3.41		"	4.33		78.7	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	3.62		"	4.53		80.0	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	3.59		"	4.53		79.3	10-150				
Surrogate: d3-N-MeFOSAA	3.84		"	4.53		84.9	25-150				
Surrogate: d5-N-EtFOSAA	6.10		"	4.53		135	25-150				
Surrogate: M2-6:2 FTS	11.7		"	4.30		272	25-150				
Surrogate: M2-8:2 FTS	4.75		"	4.34		110	25-150				
Surrogate: M9PFNA	3.35		"	4.53		74.0	25-150				



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 BB00347 - % Solids Prep

Duplicate (BB00347-DUP1)		*Source sample: 20A1129-04 (GB-11)					Prepared & Analyzed: 02/07/2020				
% Solids	80.6	0.100	%		80.9			0.438	20		





Sample and Data Qualifiers Relating to This Work Order

PFSu-H	The isotopically labeled surrogate recovered above lab control limits due to a matrix effect. Isotope Dilution was applied.
PF-LCS-H	The LCS recovery was slightly above acceptable limits for the qualified compound. However, sample results are not biased high because results are corrected for isotope recovery.

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.

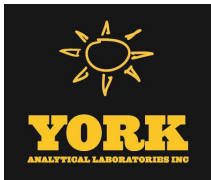
If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

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.



YORK

ANALYTICAL LABORATORIES, INC.

120 RESEARCH DR. STRATFORD, CT 06615
(203) 325-1371 FAX (203) 357-0166

Field Chain-of-Custody Record

Page 1 of 1

NOTE: York's Std. Terms & Conditions are listed on the back side of this document.

This document serves as your written authorization to York to proceed with the analyses requested and your signature binds you to York's Std. Terms & Conditions.

York Project No. 20A1129

YOUR INFORMATION		Report To:		Invoice To:		YOUR PROJECT ID		Turn-Around Time		Report Type	
Company: HES, Inc.	Company: Same	Company: Same	Company: Same	Company: Same	Company: Same	Company: Same	Company: Same	Company: Same	Company: Same	Company: Same	Company: Same
Address: One Deans Bridge Road	Address: Same	Address: Same	Address: Same	Address: Same	Address: Same	Address: Same	Address: Same	Address: Same	Address: Same	Address: Same	Address: Same
Somers, New York 10589	Somers, New York 10589	Somers, New York 10589	Somers, New York 10589	Somers, New York 10589	Somers, New York 10589	Somers, New York 10589	Somers, New York 10589	Somers, New York 10589	Somers, New York 10589	Somers, New York 10589	Somers, New York 10589
Phone No. (914) 276-2560	Phone No. Same	Phone No. Same	Phone No. Same	Phone No. Same	Phone No. Same	Phone No. Same	Phone No. Same	Phone No. Same	Phone No. Same	Phone No. Same	Phone No. Same
Contact Person:	Contact Person: Same	Contact Person: Same	Contact Person: Same	Contact Person: Same	Contact Person: Same	Contact Person: Same	Contact Person: Same	Contact Person: Same	Contact Person: Same	Contact Person: Same	Contact Person: Same
E-Mail Address:	E-Mail Address: Same	E-Mail Address: Same	E-Mail Address: Same	E-Mail Address: Same	E-Mail Address: Same	E-Mail Address: Same	E-Mail Address: Same	E-Mail Address: Same	E-Mail Address: Same	E-Mail Address: Same	E-Mail Address: Same
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		Volatiles		Semi-Volatiles		Metals		Misc. Org.	
S - soil		TICs		8270 full		8270 or 625		RCRA8		TPH GRO	
Other - specify (oil, etc.)		Site Spec.		624		STARS list		PP13 list		TPH DRO	
WW - wastewater		Nassau Co.		STARS list		BN Only		TAL		CT ETPH	
GW - groundwater		Suffolk Co.		BTX		Acids Only		CT15 list		Full TCLP	
DW - drinking water		MTBE		Ketones		PAH list		TAGM list		Full App. IX	
Air-A - ambient air		TCL list		Oxygenates		TAGM list		NUDEP list		Full App. IX	
Air-SV - soil vapor		TAGM list		TCLP list		CT RCP list		Total		Air TO15	
		CT RCP list		Arom. only		TCL list		Dissolved		Air STARS	
		Arom. only		502.2		NUDEP list		SPL Per TCLP		Air VPH	
		Halog. only		NUDEP list		App. IX		Chloride		Air TICs	
		App. IX list		SPL Per TCLP		TCLP BNA		608 Pest		NYDEP Server	
		8021B list		SPL Per TCLP		SPL Per TCLP		608 PCB		TOC	
										Asbestos	
										Silica	
										TACM	
										Misc.	
										Conductivity	
										Reactivity	
										Ignitability	
										Flash Point	
										Sieve Anal.	
										Heater/Crusher	
										TOX	
										BTU/lb.	
										Aquatic Tox.	
										NYDEP Server	
										Other	
										York Regulatory Comparison	
										Excel Spreadsheet	
										Compare to the following Regs. (please fill in):	
										Simple Excel	
										NYSDEC EQULS	
										EQULS (std)	
										EZ-EDD (EQULS)	
										NJDEP SRP HazSite EDD	
										GIS/KEY (std)	
										Other	
										York Regulatory Comparison	
										Excel Spreadsheet	
										Compare to the following Regs. (please fill in):	
										Simple Excel	
										NYSDEC EQULS	
										EQULS (std)	
										EZ-EDD (EQULS)	
										NJDEP SRP HazSite EDD	
										GIS/KEY (std)	
										Other	
										York Regulatory Comparison	
										Excel Spreadsheet	
										Compare to the following Regs. (please fill in):	
										Simple Excel	
										NYSDEC EQULS	
										EQULS (std)	
										EZ-EDD (EQULS)	
										NJDEP SRP HazSite EDD	
										GIS/KEY (std)	
										Other	
										York Regulatory Comparison	
										Excel Spreadsheet	
										Compare to the following Regs. (please fill in):	
										Simple Excel	
										NYSDEC EQULS	
										EQULS (std)	
										EZ-EDD (EQULS)	
										NJDEP SRP HazSite EDD	
										GIS/KEY (std)	
										Other	
										York Regulatory Comparison	
										Excel Spreadsheet	
										Compare to the following Regs. (please fill in):	
										Simple Excel	
										NYSDEC EQULS	
										EQULS (std)	
										EZ-EDD (EQULS)	
										NJDEP SRP HazSite EDD	
										GIS/KEY (std)	
										Other	
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										Excel Spreadsheet	
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										EQULS (std)	
										EZ-EDD (EQULS)	
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										GIS/KEY (std)	
										Other	
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										Excel Spreadsheet	
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										NYSDEC EQULS	
										EQULS (std)	
										EZ-EDD (EQULS)	
										NJDEP SRP HazSite EDD	
										GIS/KEY (std)	
										Other	
										York Regulatory Comparison	
										Excel Spreadsheet	
										Compare to the following Regs. (please fill in):	
										Simple Excel	
										NYSDEC EQULS	
										EQULS (std)	
										EZ-EDD (EQULS)	
										NJDEP SRP HazSite EDD	
										GIS/KEY (std)	
										Other	
										York Regulatory Comparison	
										Excel Spreadsheet	
										Compare to the following Regs. (please fill in):	
										Simple Excel	
										NYSDEC EQULS	
										EQULS (std)	
										EZ-EDD (EQULS)	
										NJDEP SRP HazSite EDD	
										GIS/KEY (std)	
										Other	
										York Regulatory Comparison	
										Excel Spreadsheet	
										Compare to the following Regs. (please fill in):	
										Simple Excel	
										NYSDEC EQULS	
										EQULS (std)	
										EZ-EDD (EQULS)	
										NJDEP SRP HazSite EDD	
										GIS/KEY (std)	
										Other	
										York Regulatory Comparison	
										Excel Spreadsheet	
										Compare to the following Regs. (please fill in):	
										Simple Excel	
										NYSDEC EQULS	
										EQULS (std)	
										EZ-EDD (EQULS)	
										NJDEP SRP HazSite EDD	
										GIS/KEY (std)	
										Other	
										York Regulatory Comparison	
										Excel Spreadsheet	
										Compare to the following Regs. (please fill in):	
										Simple Excel	
										NYSDEC EQULS	
										EQULS (std)	
										EZ-EDD (EQULS)	
										NJDEP SRP HazSite EDD	
										GIS/KEY (std)	
										Other	
										York Regulatory Comparison	
										Excel Spreadsheet	
										Compare to the following Regs. (please fill in):	
										Simple Excel	
										NYSDEC EQULS	
										EQULS (std)	
										EZ-EDD (EQULS)	
										NJDEP SRP HazSite EDD	
										GIS/KEY (std)	
										Other	
										York Regulatory Comparison	
										Excel Spreadsheet	
										Compare to the following Regs. (please fill in):	
										Simple Excel	
										NYSDEC EQULS	
										EQULS (std)	
										EZ-EDD (EQULS)	
										NJDEP SRP HazSite EDD	
										GIS/KEY (std)	
										Other	
										York Regulatory Comparison	
										Excel Spreadsheet	
										Compare to the following Regs. (please fill in):	
										Simple Excel	
										NYSDEC EQULS	
										EQULS (std)	
										EZ-EDD (EQULS)	
										NJDEP SRP HazSite EDD	
								</			



Technical Report

prepared for:

Hydro Environmental Solutions

One Deans Bridge Road

Somers NY, 10589

Attention: Bill Canavan

Report Date: 02/12/2020

Client Project ID: 130 Midland Avenue, Port Chester, New York

York Project (SDG) No.: 20B0006

CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037



New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

120 RESEARCH DRIVE
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STRATFORD, CT 06615
(203) 325-1371



132-02 89th AVENUE
FAX (203) 357-0166

RICHMOND HILL, NY 11418
ClientServices@yorklab.com

Hydro Environmental Solutions

One Deans Bridge Road
Somers NY, 10589
Attention: Bill Canavan

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 February 03, 2020 and listed below. The project was identified as your project: **130 Midland Avenue, Port Chester, New York.**

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>
20B0006-01	GB-12	Soil	01/31/2020	02/03/2020

General Notes for York Project (SDG) No.: 20B0006

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:



Benjamin Gulizia
Laboratory Director

Date: 02/12/2020





Sample Information

Client Sample ID: GB-12

York Sample ID: 20B0006-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20B0006

130 Midland Avenue, Port Chester, New York

Soil

January 31, 2020 12:00 am

02/03/2020

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.727	1	EPA 537m Certifications:	02/06/2020 16:17	02/11/2020 21:46	KT
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.727	1	EPA 537m Certifications:	02/06/2020 16:17	02/11/2020 21:46	KT
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.727	1	EPA 537m Certifications:	02/06/2020 16:17	02/11/2020 21:46	KT
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.727	1	EPA 537m Certifications:	02/06/2020 16:17	02/11/2020 21:46	KT
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.727	1	EPA 537m Certifications:	02/06/2020 16:17	02/11/2020 21:46	KT
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.727	1	EPA 537m Certifications:	02/06/2020 16:17	02/11/2020 21:46	KT
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.727	1	EPA 537m Certifications:	02/06/2020 16:17	02/11/2020 21:46	KT
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.727	1	EPA 537m Certifications:	02/06/2020 16:17	02/11/2020 21:46	KT
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.727	1	EPA 537m Certifications:	02/06/2020 16:17	02/11/2020 21:46	KT
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.727	1	EPA 537m Certifications:	02/06/2020 16:17	02/11/2020 21:46	KT
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.727	1	EPA 537m Certifications:	02/06/2020 16:17	02/11/2020 21:46	KT
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.727	1	EPA 537m Certifications:	02/06/2020 16:17	02/11/2020 21:46	KT
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.727	1	EPA 537m Certifications:	02/06/2020 16:17	02/11/2020 21:46	KT
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.727	1	EPA 537m Certifications:	02/06/2020 16:17	02/11/2020 21:46	KT
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.727	1	EPA 537m Certifications:	02/06/2020 16:17	02/11/2020 21:46	KT
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.727	1	EPA 537m Certifications:	02/06/2020 16:17	02/11/2020 21:46	KT
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.727	1	EPA 537m Certifications:	02/06/2020 16:17	02/11/2020 21:46	KT
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.727	1	EPA 537m Certifications:	02/06/2020 16:17	02/11/2020 21:46	KT
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.727	1	EPA 537m Certifications:	02/06/2020 16:17	02/11/2020 21:46	KT
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.727	1	EPA 537m Certifications:	02/06/2020 16:17	02/11/2020 21:46	KT
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.727	1	EPA 537m Certifications:	02/06/2020 16:17	02/11/2020 21:46	KT

Surrogate Recoveries

Result

Acceptance Range

120 RESEARCH DRIVE

STRATFORD, CT 06615

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(203) 325-1371

132-02 89th AVENUE

FAX (203) 357-0166

RICHMOND HILL, NY 11418

ClientServices@

Page 3 of 11



Sample Information

Client Sample ID: GB-12

York Sample ID: 20B0006-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20B0006

130 Midland Avenue, Port Chester, New York

Soil

January 31, 2020 12:00 am

02/03/2020

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: M3PFBS	72.6 %			25-150					
	Surrogate: M5PFHxA	71.6 %			25-150					
	Surrogate: M4PFHpA	66.7 %			25-150					
	Surrogate: M3PFHxS	74.0 %			25-150					
	Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	72.2 %			25-150					
	Surrogate: M6PFDA	70.5 %			25-150					
	Surrogate: M7PFUdA	61.9 %			25-150					
	Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	68.9 %			25-150					
	Surrogate: M2PFTeDA	58.6 %			10-150					
	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	70.1 %			25-150					
	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	70.1 %			25-150					
	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	74.1 %			25-150					
	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	65.7 %			10-150					
	Surrogate: d3-N-MeFOSAA	101 %			25-150					
	Surrogate: d5-N-EtFOSAA	118 %			25-150					
	Surrogate: M2-6:2 FTS	235 %	PFSu-H		25-150					
	Surrogate: M2-8:2 FTS	258 %	PFSu-H		25-150					
	Surrogate: M9PFNA	72.2 %			25-150					

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	92.7		%	0.100	1	SM 2540G	02/10/2020 14:13	02/10/2020 14:14	WL
							Certifications:	CTDOH		



Analytical Batch Summary

Batch ID: BB00272 **Preparation Method:** SPE PFAS Extraction-Soil-EPA 537m **Prepared By:** WL

YORK Sample ID	Client Sample ID	Preparation Date
20B0006-01	GB-12	02/06/20
BB00272-BLK1	Blank	02/06/20
BB00272-BS1	LCS	02/06/20

Batch ID: BB00406 **Preparation Method:** % Solids Prep **Prepared By:** WL

YORK Sample ID	Client Sample ID	Preparation Date
20B0006-01	GB-12	02/10/20



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

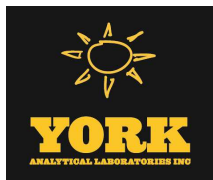
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BB00272 - SPE PFAS Extraction-Soil-EPA 537m

Blank (BB00272-BLK1)

Prepared: 02/06/2020 Analyzed: 02/12/2020

Perfluorobutanesulfonic acid (PFBS)	ND	0.677	ug/kg wet								
Perfluorohexanoic acid (PFHxA)	ND	0.677	"								
Perfluoroheptanoic acid (PFHpA)	ND	0.677	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	0.677	"								
Perfluorooctanoic acid (PFOA)	ND	0.677	"								
Perfluorooctanesulfonic acid (PFOS)	ND	0.677	"								
Perfluorononanoic acid (PFNA)	ND	0.677	"								
Perfluorodecanoic acid (PFDA)	ND	0.677	"								
Perfluoroundecanoic acid (PFUnA)	ND	0.677	"								
Perfluorododecanoic acid (PFDoA)	ND	0.677	"								
Perfluorotridecanoic acid (PFTriDA)	ND	0.677	"								
Perfluorotetradecanoic acid (PFTA)	ND	0.677	"								
N-MeFOSAA	ND	0.677	"								
N-EtFOSAA	ND	0.677	"								
Perfluoropentanoic acid (PFPeA)	ND	0.677	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	0.677	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	0.677	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	0.677	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND	0.677	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND	0.677	"								
Perfluoro-n-butanoic acid (PFBA)	ND	0.677	"								
Surrogate: M3PFBS	2.84		"	4.20		67.6	25-150				
Surrogate: M5PFHxA	3.08		"	4.52		68.2	25-150				
Surrogate: M4PFHpA	3.03		"	4.52		67.0	25-150				
Surrogate: M3PFHxS	2.94		"	4.27		68.9	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	2.78		"	4.52		61.6	25-150				
Surrogate: M6PFDA	2.90		"	4.52		64.3	25-150				
Surrogate: M7PFUdA	2.43		"	4.52		53.8	25-150				
Surrogate: Perfluoro-n- [1,2-13C2]dodecanoic acid (MPFDoA)	2.28		"	4.52		50.5	25-150				
Surrogate: M2PFTeDA	2.40		"	4.52		53.1	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	2.87		"	4.52		63.6	25-150				
Surrogate: Perfluoro-1- [13C8]octanesulfonic acid (M8PFOS)	2.62		"	4.32		60.6	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	3.01		"	4.52		66.6	25-150				
Surrogate: Perfluoro-1- [13C8]octanesulfonamide (M8FOSA)	2.93		"	4.52		64.9	10-150				
Surrogate: d3-N-MeFOSAA	2.76		"	4.52		61.2	25-150				
Surrogate: d5-N-EtFOSAA	4.93		"	4.52		109	25-150				
Surrogate: M2-6:2 FTS	9.85		"	4.29		230	25-150				
Surrogate: M2-8:2 FTS	4.18		"	4.33		96.7	25-150				
Surrogate: M9PFNA	2.98		"	4.52		66.0	25-150				



PFAS Target compounds by LC/MS-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 BB00272 - SPE PFAS Extraction-Soil-EPA 537m

LCS (BB00272-BS1)

Prepared: 02/06/2020 Analyzed: 02/11/2020

Perfluorobutanesulfonic acid (PFBS)	6.25	0.679	ug/kg wet	4.01		156	50-130	High Bias			
Perfluorohexanoic acid (PFHxA)	4.28	0.679	"	4.53		94.6	50-130				
Perfluoroheptanoic acid (PFHpA)	5.27	0.679	"	4.53		116	50-130				
Perfluorohexanesulfonic acid (PFHxS)	3.38	0.679	"	3.35		101	50-130				
Perfluorooctanoic acid (PFOA)	4.21	0.679	"	4.53		92.9	50-130				
Perfluorooctanesulfonic acid (PFOS)	3.41	0.679	"	3.30		103	50-130				
Perfluorononanoic acid (PFNA)	4.60	0.679	"	4.35		106	50-130				
Perfluorodecanoic acid (PFDA)	4.96	0.679	"	4.53		109	50-130				
Perfluoroundecanoic acid (PFUnA)	4.80	0.679	"	4.53		106	50-130				
Perfluorododecanoic acid (PFDoA)	4.01	0.679	"	4.53		88.5	50-130				
Perfluorotridecanoic acid (PFTDA)	4.52	0.679	"	4.53		99.9	50-130				
Perfluorotetradecanoic acid (PFTA)	4.06	0.679	"	4.53		89.6	50-130				
N-MeFOSAA	4.26	0.679	"	4.53		94.0	50-130				
N-EtFOSAA	4.05	0.679	"	4.53		89.4	50-130				
Perfluoropentanoic acid (PFPeA)	4.46	0.679	"	4.53		98.5	50-130				
Perfluoro-1-octanesulfonamide (FOSA)	4.33	0.679	"	4.53		95.6	50-130				
Perfluoro-1-heptanesulfonic acid (PFHpS)	4.76	0.679	"	4.50		106	50-130				
Perfluoro-1-decanesulfonic acid (PFDS)	4.04	0.679	"	4.37		92.4	50-130				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	4.30	0.679	"	4.30		100	50-130				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	4.12	0.679	"	4.35		94.8	50-130				
Perfluoro-n-butanoic acid (PFBA)	4.53	0.679	"	4.53		100	50-130				
Surrogate: M3PFBS	3.50		"	4.20		83.3	25-150				
Surrogate: M5PFHxA	3.64		"	4.53		80.4	25-150				
Surrogate: M4PFHpA	3.06		"	4.53		67.5	25-150				
Surrogate: M3PFHxS	3.56		"	4.28		83.2	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	3.66		"	4.53		80.8	25-150				
Surrogate: M6PFDA	3.40		"	4.53		75.2	25-150				
Surrogate: M7PFUdA	2.99		"	4.53		66.1	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	3.34		"	4.53		73.7	25-150				
Surrogate: M2PFTeDA	3.85		"	4.53		85.0	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	3.47		"	4.53		76.8	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	3.41		"	4.33		78.7	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	3.62		"	4.53		80.0	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	3.59		"	4.53		79.3	10-150				
Surrogate: d3-N-MeFOSAA	3.84		"	4.53		84.9	25-150				
Surrogate: d5-N-EtFOSAA	6.10		"	4.53		135	25-150				
Surrogate: M2-6:2 FTS	11.7		"	4.30		272	25-150				
Surrogate: M2-8:2 FTS	4.75		"	4.34		110	25-150				
Surrogate: M9PFNA	3.35		"	4.53		74.0	25-150				





Sample and Data Qualifiers Relating to This Work Order

PFSu-H	The isotopically labeled surrogate recovered above lab control limits due to a matrix effect. Isotope Dilution was applied.
PF-LCS-H	The LCS recovery was slightly above acceptable limits for the qualified compound. However, sample results are not biased high because results are corrected for isotope recovery.

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.



YORK

ANALYTICAL LABORATORIES, INC.

120 RESEARCH DR. STRATFORD, CT 06615
(203) 325-1371 FAX (203) 357-0166

Field Chain-of-Custody Record

Page 1 of 1

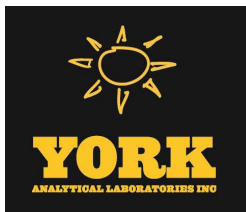
NOTE: York's Std. Terms & Conditions are listed on the back side of this document.
This document serves as your written authorization to York to proceed with the analyses requested and your signature binds you to York's Std. Terms & Conditions.

York Project No. 2060006

YOUR Information		Report To:		Invoice To:		YOUR Project ID		Turn-Around Time		Report Type					
Company: HES, Inc.	Company: _____	Company: _____	Company: _____	Company: _____	Company: _____	Company: _____	Company: _____	Company: _____	Company: _____	Company: _____	Company: _____				
Address: One Deans Bridge Road Somers, New York 10589	Address: _____	Address: _____	Address: _____	Address: _____	Address: _____	Address: _____	Address: _____	Address: _____	Address: _____	Address: _____	Address: _____				
Phone No. _____	Phone No. _____	Phone No. _____	Phone No. _____	Phone No. _____	Phone No. _____	Phone No. _____	Phone No. _____	Phone No. _____	Phone No. _____	Phone No. _____	Phone No. _____				
Contact Person: _____	Contact Person: _____	Contact Person: _____	Contact Person: _____	Contact Person: _____	Contact Person: _____	Contact Person: _____	Contact Person: _____	Contact Person: _____	Contact Person: _____	Contact Person: _____	Contact Person: _____				
E-Mail Address: _____	E-Mail Address: _____	E-Mail Address: _____	E-Mail Address: _____	E-Mail Address: _____	E-Mail Address: _____	E-Mail Address: _____	E-Mail Address: _____	E-Mail Address: _____	E-Mail Address: _____	E-Mail Address: _____	E-Mail Address: _____				
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.		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.		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.		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.		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.		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 S - soil Other - specify (oil, etc.) WW - wastewater GW - groundwater DW - drinking water Air-A - ambient air Air-SV - soil vapor		Volatiles 8260 full 624 STARS list BTEX MTBE TCL list TAGM list CT RCP list Arom. only Halog only App IX list 8021B list		Semi-Vols. 8270 or 625 STARS list BN Only Acids Only PAH list TAGM list CT RCP list TCL list NUDEP list App IX TCLP BNA STP or TCLP		Metals RCRA8 PP13 list TAL CT15 list TAGM list NUDEP list Total Dissolved STP or TCLP Metals LIST Below		Misc. Org. TPH GRO TPH DRO CT ETPH NY 310-13 TPH 1664 Air TO14A Air TO15 Air STARS Air VPH Air TICs Medium Helium		Full Lists Pri Poll. TCL Ogren TAL Mactn Full TCLP Full App IX Part 360-Res Part 360-Res Part 360-Res Part 360-Res NYCEP NYCEP TAGM		Misc. Curiosity Reactivity Ignitability Flash Point Static Anal. Heterotrophs TOX BTU/lb. Aquatic Tox TOC Adhesives Silica		Standard (5-7 Days) ☒ RUSH - Same Day ☐ RUSH - Next Day ☐ RUSH - Two Day ☐ RUSH - Three Day ☐ RUSH - Four Day ☐ Summary Report ☒ Summary w/ QA Summary ☐ CT RCP Package ☐ CTRCP DQA/DUE Pkg ☐ NY ASP A Package ☐ NY ASP B Package ☐ NUDEP Red. Deliv. ☒ Electronic Data Deliverables (EDD) ☐ Simple Excel ☐ NYSDEC EQuIS ☒ EQuIS (std) ☐ EZ-EDD (EQuIS) ☐ NUDEP SRP HazSite EDD ☐ GIS/KEY (std) ☐ Other ☐ York Regulatory Comparison ☐ Excel Spreadsheet ☐ Compare to the following Regs. (please fill in) ☐	
Samples from: CT NY NJ 130 Midland Avenue, West Chester, New York		Choose Analyses Needed from the Menu Above and Enter Below PFAS		Container Description(s) 1) 280 Plastic											
Sample Identification GB-12		Date Sampled 1/8/20		Sample Matrix S											
Comments Preservation Check those Applicable Special Instructions Field Filtered ☐ Lab to Filter ☐		4°C _____ Frozen _____ HCl _____ MeOH _____ ZnAc _____ Ascorbic Acid _____ HNO ₃ _____ H ₂ SO ₄ _____ NaOH _____ Other _____		Samples Relinquished By Date/Time 2-3-20 8:15 Samples Relinquished By Date/Time 2-3-20 15:33		Samples Received By Date/Time 2-3-20 8:15 Samples Received By Date/Time 2-3-20 15:33		Temperature on Receipt 2-7 °C							

Subsurface Investigation Report March 2020

APPENDIX 3: Laboratory Analytical Report For Groundwater



Technical Report

prepared for:

Hydro Environmental Solutions

One Deans Bridge Road

Somers NY, 10589

Attention: Bill Canavan

Report Date: 02/24/2020

Client Project ID: 130 Midland Avenue, Port Chester, New York

York Project (SDG) No.: 20B0501

CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037



New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

120 RESEARCH DRIVE
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STRATFORD, CT 06615
(203) 325-1371



132-02 89th AVENUE
FAX (203) 357-0166

RICHMOND HILL, NY 11418
ClientServices@yorklab.com

Report Date: 02/24/2020
Client Project ID: 130 Midland Avenue, Port Chester, New York
York Project (SDG) No.: 20B0501

Hydro Environmental Solutions
One Deans Bridge Road
Somers NY, 10589
Attention: Bill Canavan

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 February 14, 2020 and listed below. The project was identified as your project: **130 Midland Avenue, Port Chester, New York.**

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>
20B0501-01	MW-1	Water	02/13/2020	02/14/2020
20B0501-02	MW-2	Water	02/13/2020	02/14/2020

General Notes for York Project (SDG) No.: 20B0501

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:



Benjamin Gulizia
Laboratory Director

Date: 02/24/2020





Sample Information

Client Sample ID: MW-1

York Sample ID: 20B0501-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20B0501

130 Midland Avenue, Port Chester, New York

Water

February 13, 2020 12:00 am

02/14/2020

Volatiles, 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	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/17/2020 07:30	02/17/2020 20:14	SS
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	02/17/2020 07:30	02/17/2020 20:14	SS
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	02/17/2020 07:30	02/17/2020 20:14	SS
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	02/17/2020 07:30	02/17/2020 20:14	SS
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	02/17/2020 07:30	02/17/2020 20:14	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/17/2020 07:30	02/17/2020 20:14	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/17/2020 07:30	02/17/2020 20:14	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	02/17/2020 07:30	02/17/2020 20:14	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/17/2020 07:30	02/17/2020 20:14	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/17/2020 07:30	02/17/2020 20:14	SS
95-93-2	* 1,2,4,5-Tetramethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/17/2020 07:30	02/17/2020 20:14	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/17/2020 07:30	02/17/2020 20:14	SS
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	02/17/2020 07:30	02/17/2020 20:14	SS
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	02/17/2020 07:30	02/17/2020 20:14	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/17/2020 07:30	02/17/2020 20:14	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/17/2020 07:30	02/17/2020 20:14	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/17/2020 07:30	02/17/2020 20:14	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/17/2020 07:30	02/17/2020 20:14	SS
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	02/17/2020 07:30	02/17/2020 20:14	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/17/2020 07:30	02/17/2020 20:14	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/17/2020 07:30	02/17/2020 20:14	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/17/2020 07:30	02/17/2020 20:14	SS



Sample Information

Client Sample ID: MW-1

York Sample ID: 20B0501-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20B0501

130 Midland Avenue, Port Chester, New York

Water

February 13, 2020 12:00 am

02/14/2020

Volatiles, 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
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications:	02/17/2020 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/17/2020 20:14	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/17/2020 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/17/2020 20:14	SS
78-93-3	2-Butanone	ND		ug/L	0.200	2.00	1	EPA 8260C Certifications:	02/17/2020 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/17/2020 20:14	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/17/2020 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/17/2020 20:14	SS
591-78-6	2-Hexanone	ND		ug/L	0.200	2.00	1	EPA 8260C Certifications:	02/17/2020 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/17/2020 20:14	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/17/2020 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/17/2020 20:14	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/17/2020 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/17/2020 20:14	SS
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications:	02/17/2020 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/17/2020 20:14	SS
107-02-8	Acrolein	ND		ug/L	0.200	2.00	1	EPA 8260C Certifications:	02/17/2020 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/17/2020 20:14	SS
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/17/2020 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/17/2020 20:14	SS
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/17/2020 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/17/2020 20:14	SS
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/17/2020 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/17/2020 20:14	SS
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/17/2020 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/17/2020 20:14	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/17/2020 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/17/2020 20:14	SS
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/17/2020 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/17/2020 20:14	SS
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/17/2020 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/17/2020 20:14	SS
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/17/2020 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/17/2020 20:14	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/17/2020 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/17/2020 20:14	SS
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/17/2020 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/17/2020 20:14	SS
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/17/2020 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/17/2020 20:14	SS
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/17/2020 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/17/2020 20:14	SS
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/17/2020 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/17/2020 20:14	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/17/2020 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/17/2020 20:14	SS



Sample Information

Client Sample ID: MW-1

York Sample ID: 20B0501-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20B0501

130 Midland Avenue, Port Chester, New York

Water

February 13, 2020 12:00 am

02/14/2020

Volatiles, 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
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/17/2020 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/17/2020 20:14	SS
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/17/2020 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/17/2020 20:14	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/17/2020 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/17/2020 20:14	SS
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/17/2020 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/17/2020 20:14	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/17/2020 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/17/2020 20:14	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/17/2020 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/17/2020 20:14	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/17/2020 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/17/2020 20:14	SS
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/17/2020 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/17/2020 20:14	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/17/2020 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/17/2020 20:14	SS
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/17/2020 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/17/2020 20:14	SS
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications:	02/17/2020 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/17/2020 20:14	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/17/2020 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/17/2020 20:14	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/17/2020 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/17/2020 20:14	SS
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/17/2020 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/17/2020 20:14	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications:	02/17/2020 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/17/2020 20:14	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/17/2020 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/17/2020 20:14	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/17/2020 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/17/2020 20:14	SS
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/17/2020 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/17/2020 20:14	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	10.0	1	EPA 8260C Certifications:	02/17/2020 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/17/2020 20:14	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/17/2020 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/17/2020 20:14	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/17/2020 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/17/2020 20:14	SS
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/17/2020 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/17/2020 20:14	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/17/2020 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/17/2020 20:14	SS



Sample Information

Client Sample ID: MW-1

York Sample ID: 20B0501-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20B0501

130 Midland Avenue, Port Chester, New York

Water

February 13, 2020 12:00 am

02/14/2020

Volatiles, 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
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	02/17/2020 07:30	02/17/2020 20:14	SS
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/17/2020 07:30	02/17/2020 20:14	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/17/2020 07:30	02/17/2020 20:14	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/17/2020 07:30	02/17/2020 20:14	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	02/17/2020 07:30	02/17/2020 20:14	SS
Surrogate Recoveries		Result		Acceptance Range							
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	98.0 %		69-130							
2037-26-5	Surrogate: SURR: Toluene-d8	98.6 %		81-117							
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	120 %		79-122							

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes: EXT-D

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	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/18/2020 07:49	02/18/2020 18:14	OW
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/18/2020 07:49	02/18/2020 18:14	OW
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/18/2020 07:49	02/18/2020 18:14	OW
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/18/2020 07:49	02/18/2020 18:14	OW
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/18/2020 07:49	02/18/2020 18:14	OW
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/18/2020 07:49	02/18/2020 18:14	OW
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/18/2020 07:49	02/18/2020 18:14	OW
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/18/2020 07:49	02/18/2020 18:14	OW
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/18/2020 07:49	02/18/2020 18:14	OW
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/18/2020 07:49	02/18/2020 18:14	OW
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/18/2020 07:49	02/18/2020 18:14	OW
105-67-9	2,4-Dimethylphenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/18/2020 07:49	02/18/2020 18:14	OW



Sample Information

Client Sample ID: MW-1

York Sample ID: 20B0501-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20B0501

130 Midland Avenue, Port Chester, New York

Water

February 13, 2020 12:00 am

02/14/2020

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes: EXT-D

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
51-28-5	2,4-Dinitrophenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications:	02/18/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/18/2020 18:14	OW
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications:	02/18/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/18/2020 18:14	OW
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications:	02/18/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/18/2020 18:14	OW
91-58-7	2-Chloronaphthalene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications:	02/18/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/18/2020 18:14	OW
95-57-8	2-Chlorophenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications:	02/18/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/18/2020 18:14	OW
91-57-6	2-Methylnaphthalene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications:	02/18/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/18/2020 18:14	OW
95-48-7	2-Methylphenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications:	02/18/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/18/2020 18:14	OW
88-74-4	2-Nitroaniline	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications:	02/18/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/18/2020 18:14	OW
88-75-5	2-Nitrophenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications:	02/18/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/18/2020 18:14	OW
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications:	02/18/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/18/2020 18:14	OW
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications:	02/18/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/18/2020 18:14	OW
99-09-2	3-Nitroaniline	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications:	02/18/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/18/2020 18:14	OW
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications:	02/18/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/18/2020 18:14	OW
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications:	02/18/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/18/2020 18:14	OW
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications:	02/18/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/18/2020 18:14	OW
106-47-8	4-Chloroaniline	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications:	02/18/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/18/2020 18:14	OW
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications:	02/18/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/18/2020 18:14	OW
100-01-6	4-Nitroaniline	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications:	02/18/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/18/2020 18:14	OW
100-02-7	4-Nitrophenol	ND		ug/L	5.56	5.56	1	EPA 8270D Certifications:	02/18/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/18/2020 18:14	OW
98-86-2	Acetophenone	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications:	02/18/2020 07:49 NELAC-NY10854,NJDEP,PADEP	02/18/2020 18:14	OW
62-53-3	Aniline	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications:	02/18/2020 07:49 NELAC-NY10854,NJDEP,PADEP	02/18/2020 18:14	OW
100-52-7	Benzaldehyde	ND	CCV-L	ug/L	2.78	5.56	1	EPA 8270D Certifications:	02/18/2020 07:49 NELAC-NY10854,NJDEP,PADEP	02/18/2020 18:14	OW
92-87-5	Benzidine	ND	CCV-L	ug/L	5.56	5.56	1	EPA 8270D Certifications:	02/18/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/18/2020 18:14	OW



Sample Information

Client Sample ID: MW-1

York Sample ID: 20B0501-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20B0501

130 Midland Avenue, Port Chester, New York

Water

February 13, 2020 12:00 am

02/14/2020

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes: EXT-D

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
65-85-0	Benzoic acid	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/18/2020 07:49	02/18/2020 18:14	OW
100-51-6	Benzyl alcohol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/18/2020 07:49	02/18/2020 18:14	OW
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/18/2020 07:49	02/18/2020 18:14	OW
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/18/2020 07:49	02/18/2020 18:14	OW
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.11	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/18/2020 07:49	02/18/2020 18:14	OW
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/18/2020 07:49	02/18/2020 18:14	OW
105-60-2	Caprolactam	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/18/2020 07:49	02/18/2020 18:14	OW
86-74-8	Carbazole	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/18/2020 07:49	02/18/2020 18:14	OW
132-64-9	Dibenzofuran	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/18/2020 07:49	02/18/2020 18:14	OW
84-66-2	Diethyl phthalate	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/18/2020 07:49	02/18/2020 18:14	OW
131-11-3	Dimethyl phthalate	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/18/2020 07:49	02/18/2020 18:14	OW
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/18/2020 07:49	02/18/2020 18:14	OW
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/18/2020 07:49	02/18/2020 18:14	OW
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	5.56	11.1	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/18/2020 07:49	02/18/2020 18:14	OW
78-59-1	Isophorone	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/18/2020 07:49	02/18/2020 18:14	OW
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/18/2020 07:49	02/18/2020 18:14	OW
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/18/2020 07:49	02/18/2020 18:14	OW
108-95-2	Phenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/18/2020 07:49	02/18/2020 18:14	OW
110-86-1	Pyridine	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/18/2020 07:49	02/18/2020 18:14	OW
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: SURR: 2-Fluorophenol	51.2 %	19.7-63.1								
4165-62-2	Surrogate: SURR: Phenol-d5	34.5 %	10.1-41.7								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	79.3 %	50.2-113								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	69.0 %	39.9-105								
1718-51-0	Surrogate: SURR: Terphenyl-d14	90.0 %	30.7-106								

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: MW-1

York Sample ID: 20B0501-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20B0501

130 Midland Avenue, Port Chester, New York

Water

February 13, 2020 12:00 am

02/14/2020

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	0.0778		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/18/2020 07:49	02/18/2020 18:56	OW
208-96-8	Acenaphthylene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/18/2020 07:49	02/18/2020 18:56	OW
120-12-7	Anthracene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/18/2020 07:49	02/18/2020 18:56	OW
1912-24-9	Atrazine	ND		ug/L	0.556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	02/18/2020 07:49	02/18/2020 18:56	OW
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/18/2020 07:49	02/18/2020 18:56	OW
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/18/2020 07:49	02/18/2020 18:56	OW
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/18/2020 07:49	02/18/2020 18:56	OW
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/18/2020 07:49	02/18/2020 18:56	OW
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/18/2020 07:49	02/18/2020 18:56	OW
117-81-7	Bis(2-ethylhexyl)phthalate	1.13	B	ug/L	0.556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	02/18/2020 07:49	02/18/2020 18:56	OW
218-01-9	Chrysene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/18/2020 07:49	02/18/2020 18:56	OW
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/18/2020 07:49	02/18/2020 18:56	OW
206-44-0	Fluoranthene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/18/2020 07:49	02/18/2020 18:56	OW
86-73-7	Fluorene	0.0667		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/18/2020 07:49	02/18/2020 18:56	OW
118-74-1	Hexachlorobenzene	ND		ug/L	0.0222	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	02/18/2020 07:49	02/18/2020 18:56	OW
87-68-3	Hexachlorobutadiene	ND		ug/L	0.556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	02/18/2020 07:49	02/18/2020 18:56	OW
67-72-1	Hexachloroethane	ND		ug/L	0.556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	02/18/2020 07:49	02/18/2020 18:56	OW
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/18/2020 07:49	02/18/2020 18:56	OW
91-20-3	Naphthalene	0.533	B	ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/18/2020 07:49	02/18/2020 18:56	OW
98-95-3	Nitrobenzene	ND		ug/L	0.278	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	02/18/2020 07:49	02/18/2020 18:56	OW
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	02/18/2020 07:49	02/18/2020 18:56	OW
87-86-5	Pentachlorophenol	ND		ug/L	0.278	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	02/18/2020 07:49	02/18/2020 18:56	OW
85-01-8	Phenanthrene	0.100		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/18/2020 07:49	02/18/2020 18:56	OW
129-00-0	Pyrene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/18/2020 07:49	02/18/2020 18:56	OW



Sample Information

Client Sample ID: MW-1

York Sample ID: 20B0501-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20B0501

130 Midland Avenue, Port Chester, New York

Water

February 13, 2020 12:00 am

02/14/2020

Semi-Volatiles, 1,4-Dioxane by 8270-SIM

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3535A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/L	0.200	1	EPA 8270D SIM Certifications: NJDEP,NELAC-NY10854	02/18/2020 07:59	02/19/2020 21:50	KH
Surrogate Recoveries		Result		Acceptance Range						
17647-74-4	Surrogate: 1,4-Dioxane-d8	80.0 %		36.6-118						

Sample Information

Client Sample ID: MW-2

York Sample ID: 20B0501-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20B0501

130 Midland Avenue, Port Chester, New York

Water

February 13, 2020 12:00 am

02/14/2020

Volatiles, 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	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/18/2020 07:30	02/18/2020 18:21	SS
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	02/18/2020 07:30	02/18/2020 18:21	SS
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	02/18/2020 07:30	02/18/2020 18:21	SS
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	02/18/2020 07:30	02/18/2020 18:21	SS
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	02/18/2020 07:30	02/18/2020 18:21	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/18/2020 07:30	02/18/2020 18:21	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/18/2020 07:30	02/18/2020 18:21	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	02/18/2020 07:30	02/18/2020 18:21	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/18/2020 07:30	02/18/2020 18:21	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/18/2020 07:30	02/18/2020 18:21	SS
95-93-2	* 1,2,4,5-Tetramethylbenzene	24.8		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/18/2020 07:30	02/18/2020 18:21	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/18/2020 07:30	02/18/2020 18:21	SS
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	02/18/2020 07:30	02/18/2020 18:21	SS



Sample Information

Client Sample ID: MW-2

York Sample ID: 20B0501-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20B0501

130 Midland Avenue, Port Chester, New York

Water

February 13, 2020 12:00 am

02/14/2020

Volatiles, 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
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	02/18/2020 07:30	02/18/2020 18:21	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/18/2020 07:30	02/18/2020 18:21	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/18/2020 07:30	02/18/2020 18:21	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/18/2020 07:30	02/18/2020 18:21	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/18/2020 07:30	02/18/2020 18:21	SS
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	02/18/2020 07:30	02/18/2020 18:21	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/18/2020 07:30	02/18/2020 18:21	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/18/2020 07:30	02/18/2020 18:21	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/18/2020 07:30	02/18/2020 18:21	SS
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/18/2020 07:30	02/18/2020 18:21	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/18/2020 07:30	02/18/2020 18:21	SS
78-93-3	2-Butanone	ND		ug/L	0.200	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/18/2020 07:30	02/18/2020 18:21	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/18/2020 07:30	02/18/2020 18:21	SS
591-78-6	2-Hexanone	ND		ug/L	0.200	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/18/2020 07:30	02/18/2020 18:21	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/18/2020 07:30	02/18/2020 18:21	SS
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	02/18/2020 07:30	02/18/2020 18:21	SS
67-64-1	Acetone	1.68		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/18/2020 07:30	02/18/2020 18:21	SS
107-02-8	Acrolein	ND		ug/L	0.200	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/18/2020 07:30	02/18/2020 18:21	SS
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/18/2020 07:30	02/18/2020 18:21	SS
71-43-2	Benzene	0.320		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/18/2020 07:30	02/18/2020 18:21	SS
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/18/2020 07:30	02/18/2020 18:21	SS
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/18/2020 07:30	02/18/2020 18:21	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/18/2020 07:30	02/18/2020 18:21	SS



Sample Information

Client Sample ID: MW-2

York Sample ID: 20B0501-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20B0501

130 Midland Avenue, Port Chester, New York

Water

February 13, 2020 12:00 am

02/14/2020

Volatiles, 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
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/18/2020 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/18/2020 18:21	SS
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/18/2020 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/18/2020 18:21	SS
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/18/2020 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/18/2020 18:21	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/18/2020 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/18/2020 18:21	SS
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/18/2020 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/18/2020 18:21	SS
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/18/2020 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/18/2020 18:21	SS
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/18/2020 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/18/2020 18:21	SS
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/18/2020 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/18/2020 18:21	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/18/2020 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/18/2020 18:21	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/18/2020 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/18/2020 18:21	SS
110-82-7	Cyclohexane	22.7		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/18/2020 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/18/2020 18:21	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/18/2020 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/18/2020 18:21	SS
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/18/2020 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/18/2020 18:21	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/18/2020 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/18/2020 18:21	SS
100-41-4	Ethyl Benzene	2.47		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/18/2020 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/18/2020 18:21	SS
98-82-8	Isopropylbenzene	9.43		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/18/2020 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/18/2020 18:21	SS
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/18/2020 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/18/2020 18:21	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	2.19		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/18/2020 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/18/2020 18:21	SS
108-87-2	Methylcyclohexane	33.2		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/18/2020 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/18/2020 18:21	SS
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications:	02/18/2020 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/18/2020 18:21	SS
104-51-8	n-Butylbenzene	3.92		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/18/2020 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/18/2020 18:21	SS
103-65-1	n-Propylbenzene	12.4		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/18/2020 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/18/2020 18:21	SS
95-47-6	o-Xylene	2.34		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/18/2020 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/18/2020 18:21	SS



Sample Information

Client Sample ID: MW-2

York Sample ID: 20B0501-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20B0501

130 Midland Avenue, Port Chester, New York

Water

February 13, 2020 12:00 am

02/14/2020

Volatiles, 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
179601-23-1	p- & m- Xylenes	6.06	SCAL- E	ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	02/18/2020 07:30	02/18/2020 18:21	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/18/2020 07:30	02/18/2020 18:21	SS
135-98-8	sec-Butylbenzene	4.03		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/18/2020 07:30	02/18/2020 18:21	SS
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/18/2020 07:30	02/18/2020 18:21	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	10.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/18/2020 07:30	02/18/2020 18:21	SS
98-06-6	tert-Butylbenzene	0.830		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/18/2020 07:30	02/18/2020 18:21	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/18/2020 07:30	02/18/2020 18:21	SS
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/18/2020 07:30	02/18/2020 18:21	SS
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	02/18/2020 07:30	02/18/2020 18:21	SS
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	02/18/2020 07:30	02/18/2020 18:21	SS
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/18/2020 07:30	02/18/2020 18:21	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/18/2020 07:30	02/18/2020 18:21	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/18/2020 07:30	02/18/2020 18:21	SS
1330-20-7	Xylenes, Total	8.40		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	02/18/2020 07:30	02/18/2020 18:21	SS
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: SURRE: 1,2-Dichloroethane-d4	95.4 %			69-130						
2037-26-5	Surrogate: SURRE: Toluene-d8	99.6 %			81-117						
460-00-4	Surrogate: SURRE: p-Bromofluorobenzene	129 %	S-08		79-122						

Semivolatiles, 8270 Comprehensive

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	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/18/2020 07:49	02/18/2020 18:46	OW
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/18/2020 07:49	02/18/2020 18:46	OW
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/18/2020 07:49	02/18/2020 18:46	OW



Sample Information

Client Sample ID: MW-2

York Sample ID: 20B0501-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20B0501

130 Midland Avenue, Port Chester, New York

Water

February 13, 2020 12:00 am

02/14/2020

Semivolatiles, 8270 Comprehensive

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
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/18/2020 07:49	02/18/2020 18:46	OW
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/18/2020 07:49	02/18/2020 18:46	OW
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/18/2020 07:49	02/18/2020 18:46	OW
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/18/2020 07:49	02/18/2020 18:46	OW
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/18/2020 07:49	02/18/2020 18:46	OW
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/18/2020 07:49	02/18/2020 18:46	OW
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/18/2020 07:49	02/18/2020 18:46	OW
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/18/2020 07:49	02/18/2020 18:46	OW
105-67-9	2,4-Dimethylphenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/18/2020 07:49	02/18/2020 18:46	OW
51-28-5	2,4-Dinitrophenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/18/2020 07:49	02/18/2020 18:46	OW
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/18/2020 07:49	02/18/2020 18:46	OW
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/18/2020 07:49	02/18/2020 18:46	OW
91-58-7	2-Chloronaphthalene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/18/2020 07:49	02/18/2020 18:46	OW
95-57-8	2-Chlorophenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/18/2020 07:49	02/18/2020 18:46	OW
91-57-6	2-Methylnaphthalene	136		ug/L	13.9	27.8	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/18/2020 07:49	02/19/2020 16:11	OW
95-48-7	2-Methylphenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/18/2020 07:49	02/18/2020 18:46	OW
88-74-4	2-Nitroaniline	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/18/2020 07:49	02/18/2020 18:46	OW
88-75-5	2-Nitrophenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/18/2020 07:49	02/18/2020 18:46	OW
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/18/2020 07:49	02/18/2020 18:46	OW
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/18/2020 07:49	02/18/2020 18:46	OW
99-09-2	3-Nitroaniline	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/18/2020 07:49	02/18/2020 18:46	OW
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/18/2020 07:49	02/18/2020 18:46	OW
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/18/2020 07:49	02/18/2020 18:46	OW



Sample Information

Client Sample ID: MW-2

York Sample ID: 20B0501-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20B0501

130 Midland Avenue, Port Chester, New York

Water

February 13, 2020 12:00 am

02/14/2020

Semivolatiles, 8270 Comprehensive

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
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/18/2020 07:49	02/18/2020 18:46	OW
106-47-8	4-Chloroaniline	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/18/2020 07:49	02/18/2020 18:46	OW
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/18/2020 07:49	02/18/2020 18:46	OW
100-01-6	4-Nitroaniline	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/18/2020 07:49	02/18/2020 18:46	OW
100-02-7	4-Nitrophenol	ND		ug/L	5.56	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/18/2020 07:49	02/18/2020 18:46	OW
98-86-2	Acetophenone	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/18/2020 07:49	02/18/2020 18:46	OW
62-53-3	Aniline	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/18/2020 07:49	02/18/2020 18:46	OW
100-52-7	Benzaldehyde	ND	CCV-L	ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/18/2020 07:49	02/18/2020 18:46	OW
92-87-5	Benzidine	ND	CCV-L	ug/L	5.56	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/18/2020 07:49	02/18/2020 18:46	OW
65-85-0	Benzoic acid	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/18/2020 07:49	02/18/2020 18:46	OW
100-51-6	Benzyl alcohol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/18/2020 07:49	02/18/2020 18:46	OW
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/18/2020 07:49	02/18/2020 18:46	OW
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/18/2020 07:49	02/18/2020 18:46	OW
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.11	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/18/2020 07:49	02/18/2020 18:46	OW
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/18/2020 07:49	02/18/2020 18:46	OW
105-60-2	Caprolactam	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/18/2020 07:49	02/18/2020 18:46	OW
86-74-8	Carbazole	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/18/2020 07:49	02/18/2020 18:46	OW
132-64-9	Dibenzofuran	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/18/2020 07:49	02/18/2020 18:46	OW
84-66-2	Diethyl phthalate	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/18/2020 07:49	02/18/2020 18:46	OW
131-11-3	Dimethyl phthalate	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/18/2020 07:49	02/18/2020 18:46	OW
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/18/2020 07:49	02/18/2020 18:46	OW
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/18/2020 07:49	02/18/2020 18:46	OW
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	5.56	11.1	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/18/2020 07:49	02/18/2020 18:46	OW



Sample Information

Client Sample ID: MW-2

York Sample ID: 20B0501-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20B0501

130 Midland Avenue, Port Chester, New York

Water

February 13, 2020 12:00 am

02/14/2020

Semivolatiles, 8270 Comprehensive

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
78-59-1	Isophorone	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/18/2020 07:49	02/18/2020 18:46	OW
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/18/2020 07:49	02/18/2020 18:46	OW
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/18/2020 07:49	02/18/2020 18:46	OW
108-95-2	Phenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/18/2020 07:49	02/18/2020 18:46	OW
110-86-1	Pyridine	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/18/2020 07:49	02/18/2020 18:46	OW
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: SURR: 2-Fluorophenol	51.3 %	19.7-63.1								
4165-62-2	Surrogate: SURR: Phenol-d5	35.7 %	10.1-41.7								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	75.6 %	50.2-113								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	62.7 %	39.9-105								
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	103 %	39.3-151								
1718-51-0	Surrogate: SURR: Terphenyl-d14	84.0 %	30.7-106								

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	1.13		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/18/2020 07:49	02/18/2020 19:27	OW
208-96-8	Acenaphthylene	0.933		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/18/2020 07:49	02/18/2020 19:27	OW
120-12-7	Anthracene	0.267		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/18/2020 07:49	02/18/2020 19:27	OW
1912-24-9	Atrazine	ND		ug/L	0.556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	02/18/2020 07:49	02/18/2020 19:27	OW
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/18/2020 07:49	02/18/2020 19:27	OW
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/18/2020 07:49	02/18/2020 19:27	OW
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/18/2020 07:49	02/18/2020 19:27	OW
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/18/2020 07:49	02/18/2020 19:27	OW
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/18/2020 07:49	02/18/2020 19:27	OW
117-81-7	Bis(2-ethylhexyl)phthalate	0.922	B	ug/L	0.556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	02/18/2020 07:49	02/18/2020 19:27	OW
218-01-9	Chrysene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/18/2020 07:49	02/18/2020 19:27	OW



Sample Information

Client Sample ID: MW-2

York Sample ID: 20B0501-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20B0501

130 Midland Avenue, Port Chester, New York

Water

February 13, 2020 12:00 am

02/14/2020

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/18/2020 07:49	02/18/2020 19:27	OW
206-44-0	Fluoranthene	0.0556		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/18/2020 07:49	02/18/2020 19:27	OW
86-73-7	Fluorene	4.44		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/18/2020 07:49	02/18/2020 19:27	OW
118-74-1	Hexachlorobenzene	ND		ug/L	0.0222	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	02/18/2020 07:49	02/18/2020 19:27	OW
87-68-3	Hexachlorobutadiene	ND		ug/L	0.556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	02/18/2020 07:49	02/18/2020 19:27	OW
67-72-1	Hexachloroethane	ND		ug/L	0.556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	02/18/2020 07:49	02/18/2020 19:27	OW
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/18/2020 07:49	02/18/2020 19:27	OW
91-20-3	Naphthalene	1.11	B	ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/18/2020 07:49	02/18/2020 19:27	OW
98-95-3	Nitrobenzene	ND		ug/L	0.278	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	02/18/2020 07:49	02/18/2020 19:27	OW
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	02/18/2020 07:49	02/18/2020 19:27	OW
87-86-5	Pentachlorophenol	ND		ug/L	0.278	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	02/18/2020 07:49	02/18/2020 19:27	OW
85-01-8	Phenanthrene	1.40		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/18/2020 07:49	02/18/2020 19:27	OW
129-00-0	Pyrene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/18/2020 07:49	02/18/2020 19:27	OW

Semi-Volatiles, 1,4-Dioxane by 8270-SIM

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3535A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	0.200		ug/L	0.200	1	EPA 8270D SIM Certifications: NJDEP,NELAC-NY10854	02/18/2020 07:59	02/19/2020 22:07	KH
	Surrogate Recoveries	Result		Acceptance Range						
17647-74-4	Surrogate: 1,4-Dioxane-d8	96.0 %		36.6-118						



Analytical Batch Summary

Batch ID: BB00752 **Preparation Method:** EPA 5030B **Prepared By:** MAT

YORK Sample ID	Client Sample ID	Preparation Date
20B0501-01	MW-1	02/17/20
BB00752-BLK1	Blank	02/17/20
BB00752-BS1	LCS	02/17/20
BB00752-BS2	LCS	02/17/20
BB00752-BSD1	LCS Dup	02/17/20

Batch ID: BB00806 **Preparation Method:** EPA 3510C **Prepared By:** TSS

YORK Sample ID	Client Sample ID	Preparation Date
20B0501-01	MW-1	02/18/20
20B0501-02	MW-2	02/18/20
20B0501-02RE1	MW-2	02/18/20
BB00806-BLK1	Blank	02/18/20
BB00806-BLK2	Blank	02/18/20
BB00806-BS1	LCS	02/18/20
BB00806-BS2	LCS	02/18/20
BB00806-BSD1	LCS Dup	02/18/20

Batch ID: BB00808 **Preparation Method:** EPA 3535A **Prepared By:** CTD

YORK Sample ID	Client Sample ID	Preparation Date
20B0501-01	MW-1	02/18/20
20B0501-02	MW-2	02/18/20
BB00808-BLK1	Blank	02/18/20
BB00808-BS1	LCS	02/18/20
BB00808-MS1	Matrix Spike	02/18/20
BB00808-MSD1	Matrix Spike Dup	02/18/20

Batch ID: BB00821 **Preparation Method:** EPA 5030B **Prepared By:** MAT

YORK Sample ID	Client Sample ID	Preparation Date
20B0501-02	MW-2	02/18/20
BB00821-BLK1	Blank	02/18/20
BB00821-BS1	LCS	02/18/20
BB00821-BS2	LCS	02/18/20
BB00821-BSD1	LCS Dup	02/18/20
BB00821-BSD2	LCS Dup	02/18/20



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 BB00752 - EPA 5030B

Blank (BB00752-BLK1)

Prepared & Analyzed: 02/17/2020

1,1,1,2-Tetrachloroethane	ND	0.500	ug/L
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	"
1,1-Dichloropropylene	ND	0.500	"
1,2,3-Trichlorobenzene	ND	0.500	"
1,2,3-Trichloropropane	ND	0.500	"
1,2,4,5-Tetramethylbenzene	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	"
1,3-Dichloropropane	ND	0.500	"
1,4-Dichlorobenzene	ND	0.500	"
1,4-Dioxane	ND	80.0	"
2,2-Dichloropropane	ND	0.500	"
2-Butanone	ND	2.00	"
2-Chlorotoluene	ND	0.500	"
2-Hexanone	ND	2.00	"
4-Chlorotoluene	ND	0.500	"
4-Methyl-2-pentanone	ND	0.500	"
Acetone	ND	2.00	"
Acrolein	ND	2.00	"
Acrylonitrile	ND	0.500	"
Benzene	ND	0.500	"
Bromobenzene	ND	0.500	"
Bromochloromethane	ND	0.500	"
Bromodichloromethane	ND	0.500	"
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	"



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 BB00752 - EPA 5030B

Blank (BB00752-BLK1)

Prepared & Analyzed: 02/17/2020

Dichlorodifluoromethane	ND	0.500	ug/L								
Ethyl Benzene	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	5.97	1.00	"								
p-Isopropyltoluene	ND	0.500	"								
sec-Butylbenzene	ND	0.500	"								
Styrene	ND	0.500	"								
tert-Butyl alcohol (TBA)	ND	10.0	"								
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	10.5	1.50	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	9.53		"	10.0		95.3	70-130				
Surrogate: SURR: Toluene-d8	9.56		"	10.0		95.6	81-117				
Surrogate: SURR: p-Bromofluorobenzene	12.1		"	10.0		121	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 BB00752 - EPA 5030B											
LCS (BB00752-BS1)						Prepared & Analyzed: 02/17/2020					
1,1,1,2-Tetrachloroethane	10.8		ug/L	10.0		108	82-126				
1,1,1-Trichloroethane	10.7		"	10.0		107	78-130				
1,1,2,2-Tetrachloroethane	8.26		"	10.0		82.6	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.51		"	10.0		95.1	70-130				
1,1,2-Trichloroethane	9.43		"	10.0		94.3	82-123				
1,1-Dichloroethane	9.49		"	10.0		94.9	82-129				
1,1-Dichloroethylene	10.1		"	10.0		101	70-130				
1,1-Dichloropropylene	9.47		"	10.0		94.7	83-133				
1,2,3-Trichlorobenzene	9.20		"	10.0		92.0	76-130				
1,2,3-Trichloropropane	8.97		"	10.0		89.7	77-128				
1,2,4,5-Tetramethylbenzene	8.36		"	10.0		83.6	85-140	Low Bias			
1,2,4-Trichlorobenzene	9.25		"	10.0		92.5	76-130				
1,2,4-Trimethylbenzene	8.74		"	10.0		87.4	82-132				
1,2-Dibromo-3-chloropropane	9.65		"	10.0		96.5	45-147				
1,2-Dibromoethane	9.33		"	10.0		93.3	83-124				
1,2-Dichlorobenzene	8.19		"	10.0		81.9	79-123				
1,2-Dichloroethane	10.2		"	10.0		102	73-130				
1,2-Dichloropropane	9.86		"	10.0		98.6	78-126				
1,3,5-Trimethylbenzene	8.89		"	10.0		88.9	80-131				
1,3-Dichlorobenzene	8.17		"	10.0		81.7	86-122	Low Bias			
1,3-Dichloropropane	10.2		"	10.0		102	81-125				
1,4-Dichlorobenzene	9.69		"	10.0		96.9	85-124				
1,4-Dioxane	339		"	210		161	40-160	High Bias			
2,2-Dichloropropane	10.6		"	10.0		106	56-150				
2-Butanone	7.34		"	10.0		73.4	49-152				
2-Chlorotoluene	8.54		"	10.0		85.4	79-130				
2-Hexanone	9.48		"	10.0		94.8	51-146				
4-Chlorotoluene	8.83		"	10.0		88.3	79-128				
4-Methyl-2-pentanone	9.12		"	10.0		91.2	57-145				
Acetone	8.82		"	10.0		88.2	40-150				
Acrolein	11.0		"	10.0		110	10-153				
Acrylonitrile	9.30		"	10.0		93.0	51-150				
Benzene	9.20		"	10.0		92.0	85-126				
Bromobenzene	9.32		"	10.0		93.2	78-129				
Bromochloromethane	9.48		"	10.0		94.8	77-128				
Bromodichloromethane	10.0		"	10.0		100	79-128				
Bromoform	9.53		"	10.0		95.3	78-130				
Bromomethane	7.20		"	10.0		72.0	43-160				
Carbon disulfide	9.55		"	10.0		95.5	68-146				
Carbon tetrachloride	10.8		"	10.0		108	77-130				
Chlorobenzene	9.18		"	10.0		91.8	88-120				
Chloroethane	8.60		"	10.0		86.0	65-136				
Chloroform	9.57		"	10.0		95.7	82-128				
Chloromethane	9.86		"	10.0		98.6	43-155				
cis-1,2-Dichloroethylene	9.89		"	10.0		98.9	83-129				
cis-1,3-Dichloropropylene	10.1		"	10.0		101	80-130				
Cyclohexane	9.29		"	10.0		92.9	70-130				
Dibromochloromethane	9.69		"	10.0		96.9	80-130				
Dibromomethane	9.56		"	10.0		95.6	72-134				
Dichlorodifluoromethane	12.0		"	10.0		120	44-144				



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 BB00752 - EPA 5030B

LCS (BB00752-BS1)

Prepared & Analyzed: 02/17/2020

Ethyl Benzene	9.81		ug/L	10.0		98.1	80-130				
Isopropylbenzene	8.47		"	10.0		84.7	76-130				
Methyl acetate	9.45		"	10.0		94.5	70-130				
Methyl tert-butyl ether (MTBE)	9.70		"	10.0		97.0	76-130				
Methylcyclohexane	9.98		"	10.0		99.8	72-130				
Methylene chloride	10.1		"	10.0		101	70-130				
n-Butylbenzene	9.86		"	10.0		98.6	79-132				
n-Propylbenzene	8.46		"	10.0		84.6	78-133				
o-Xylene	9.42		"	10.0		94.2	78-130				
p- & m- Xylenes	19.3		"	20.0		96.4	77-130				
p-Isopropyltoluene	8.85		"	10.0		88.5	81-136				
sec-Butylbenzene	9.46		"	10.0		94.6	79-137				
Styrene	9.38		"	10.0		93.8	70-130				
tert-Butyl alcohol (TBA)	59.8		"	50.0		120	25-162				
tert-Butylbenzene	8.51		"	10.0		85.1	77-138				
Tetrachloroethylene	7.58		"	10.0		75.8	82-130	Low Bias			
Toluene	9.45		"	10.0		94.5	80-127				
trans-1,2-Dichloroethylene	10.3		"	10.0		103	80-130				
trans-1,3-Dichloropropylene	9.67		"	10.0		96.7	78-130				
Trichloroethylene	9.79		"	10.0		97.9	82-128				
Trichlorofluoromethane	7.62		"	10.0		76.2	67-139				
Vinyl Chloride	6.65		"	10.0		66.5	70-130	Low Bias			
Surrogate: SURR: 1,2-Dichloroethane-d4	9.42		"	10.0		94.2	70-130				
Surrogate: SURR: Toluene-d8	9.88		"	10.0		98.8	81-117				
Surrogate: SURR: p-Bromofluorobenzene	10.9		"	10.0		109	79-122				

LCS (BB00752-BS2)

Prepared & Analyzed: 02/17/2020

1,1,1,2-Tetrachloroethane	11.2		ug/L	10.0		112	82-126				
1,1,1-Trichloroethane	11.1		"	10.0		111	78-130				
1,1,2,2-Tetrachloroethane	9.42		"	10.0		94.2	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.89		"	10.0		98.9	70-130				
1,1,2-Trichloroethane	9.87		"	10.0		98.7	82-123				
1,1-Dichloroethane	9.66		"	10.0		96.6	82-129				
1,1-Dichloroethylene	10.3		"	10.0		103	70-130				
1,1-Dichloropropylene	9.71		"	10.0		97.1	83-133				
1,2,3-Trichlorobenzene	10.2		"	10.0		102	76-130				
1,2,3-Trichloropropane	10.6		"	10.0		106	77-128				
1,2,4,5-Tetramethylbenzene	9.00		"	10.0		90.0	85-140				
1,2,4-Trichlorobenzene	10.3		"	10.0		103	76-130				
1,2,4-Trimethylbenzene	9.68		"	10.0		96.8	82-132				
1,2-Dibromo-3-chloropropane	10.7		"	10.0		107	45-147				
1,2-Dibromoethane	9.96		"	10.0		99.6	83-124				
1,2-Dichlorobenzene	9.18		"	10.0		91.8	79-123				
1,2-Dichloroethane	10.3		"	10.0		103	73-130				
1,2-Dichloropropane	10.3		"	10.0		103	78-126				
1,3,5-Trimethylbenzene	9.88		"	10.0		98.8	80-131				
1,3-Dichlorobenzene	8.83		"	10.0		88.3	86-122				
1,3-Dichloropropane	10.5		"	10.0		105	81-125				
1,4-Dichlorobenzene	10.2		"	10.0		102	85-124				
1,4-Dioxane	305		"	210		145	40-160				



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 BB00752 - EPA 5030B											
LCS (BB00752-BS2)						Prepared & Analyzed: 02/17/2020					
2,2-Dichloropropane	10.7		ug/L	10.0		107	56-150				
2-Butanone	8.38		"	10.0		83.8	49-152				
2-Chlorotoluene	9.31		"	10.0		93.1	79-130				
2-Hexanone	9.16		"	10.0		91.6	51-146				
4-Chlorotoluene	9.75		"	10.0		97.5	79-128				
4-Methyl-2-pentanone	9.82		"	10.0		98.2	57-145				
Acetone	8.79		"	10.0		87.9	40-150				
Acrolein	11.2		"	10.0		112	10-153				
Acrylonitrile	10.6		"	10.0		106	51-150				
Benzene	9.43		"	10.0		94.3	85-126				
Bromobenzene	10.3		"	10.0		103	78-129				
Bromochloromethane	9.86		"	10.0		98.6	77-128				
Bromodichloromethane	10.5		"	10.0		105	79-128				
Bromoform	9.53		"	10.0		95.3	78-130				
Bromomethane	7.43		"	10.0		74.3	43-160				
Carbon disulfide	10.0		"	10.0		100	68-146				
Carbon tetrachloride	11.1		"	10.0		111	77-130				
Chlorobenzene	9.27		"	10.0		92.7	88-120				
Chloroethane	8.62		"	10.0		86.2	65-136				
Chloroform	9.90		"	10.0		99.0	82-128				
Chloromethane	10.2		"	10.0		102	43-155				
cis-1,2-Dichloroethylene	10.1		"	10.0		101	83-129				
cis-1,3-Dichloropropylene	10.5		"	10.0		105	80-130				
Cyclohexane	9.34		"	10.0		93.4	70-130				
Dibromochloromethane	10.1		"	10.0		101	80-130				
Dibromomethane	9.71		"	10.0		97.1	72-134				
Dichlorodifluoromethane	12.8		"	10.0		128	44-144				
Ethyl Benzene	9.99		"	10.0		99.9	80-130				
Isopropylbenzene	9.41		"	10.0		94.1	76-130				
Methyl acetate	9.34		"	10.0		93.4	70-130				
Methyl tert-butyl ether (MTBE)	9.99		"	10.0		99.9	76-130				
Methylcyclohexane	10.2		"	10.0		102	72-130				
Methylene chloride	10.7		"	10.0		107	70-130				
n-Butylbenzene	9.33		"	10.0		93.3	79-132				
n-Propylbenzene	9.31		"	10.0		93.1	78-133				
o-Xylene	9.67		"	10.0		96.7	78-130				
p- & m- Xylenes	19.7		"	20.0		98.5	77-130				
p-Isopropyltoluene	9.59		"	10.0		95.9	81-136				
sec-Butylbenzene	10.3		"	10.0		103	79-137				
Styrene	9.48		"	10.0		94.8	70-130				
tert-Butyl alcohol (TBA)	60.3		"	50.0		121	25-162				
tert-Butylbenzene	9.33		"	10.0		93.3	77-138				
Tetrachloroethylene	8.31		"	10.0		83.1	82-130				
Toluene	9.85		"	10.0		98.5	80-127				
trans-1,2-Dichloroethylene	10.9		"	10.0		109	80-130				
trans-1,3-Dichloropropylene	10.0		"	10.0		100	78-130				
Trichloroethylene	10.1		"	10.0		101	82-128				
Trichlorofluoromethane	7.88		"	10.0		78.8	67-139				
Vinyl Chloride	6.65		"	10.0		66.5	70-130	Low Bias			
Surrogate: SURR: 1,2-Dichloroethane-d4	9.30		"	10.0		93.0	70-130				
Surrogate: SURR: Toluene-d8	9.83		"	10.0		98.3	81-117				



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 BB00752 - EPA 5030B											
LCS (BB00752-BS2)						Prepared & Analyzed: 02/17/2020					
Surrogate: <i>SURR: p-Bromofluorobenzene</i>	11.2		ug/L	10.0		112	79-122				
LCS Dup (BB00752-BSD1)						Prepared & Analyzed: 02/17/2020					
1,1,1,2-Tetrachloroethane	10.9		ug/L	10.0		109	82-126		1.39	30	
1,1,1-Trichloroethane	10.9		"	10.0		109	78-130		1.85	20	
1,1,2,2-Tetrachloroethane	8.93		"	10.0		89.3	76-129		7.80	20	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.36		"	10.0		93.6	70-130		1.59	20	
1,1,2-Trichloroethane	9.10		"	10.0		91.0	82-123		3.56	20	
1,1-Dichloroethane	9.33		"	10.0		93.3	82-129		1.70	20	
1,1-Dichloroethylene	10.0		"	10.0		100	70-130		0.794	20	
1,1-Dichloropropylene	9.20		"	10.0		92.0	83-133		2.89	30	
1,2,3-Trichlorobenzene	9.47		"	10.0		94.7	76-130		2.89	20	
1,2,3-Trichloropropane	9.13		"	10.0		91.3	77-128		1.77	30	
1,2,4,5-Tetramethylbenzene	7.90		"	10.0		79.0	85-140	Low Bias	5.66	30	
1,2,4-Trichlorobenzene	8.81		"	10.0		88.1	76-130		4.87	20	
1,2,4-Trimethylbenzene	8.88		"	10.0		88.8	82-132		1.59	20	
1,2-Dibromo-3-chloropropane	9.44		"	10.0		94.4	45-147		2.20	20	
1,2-Dibromoethane	9.23		"	10.0		92.3	83-124		1.08	20	
1,2-Dichlorobenzene	8.51		"	10.0		85.1	79-123		3.83	20	
1,2-Dichloroethane	10.0		"	10.0		100	73-130		1.78	20	
1,2-Dichloropropane	9.31		"	10.0		93.1	78-126		5.74	20	
1,3,5-Trimethylbenzene	9.12		"	10.0		91.2	80-131		2.55	30	
1,3-Dichlorobenzene	8.33		"	10.0		83.3	86-122	Low Bias	1.94	20	
1,3-Dichloropropane	9.57		"	10.0		95.7	81-125		6.47	30	
1,4-Dichlorobenzene	9.87		"	10.0		98.7	85-124		1.84	20	
1,4-Dioxane	278		"	210		132	40-160		19.8	20	
2,2-Dichloropropane	10.4		"	10.0		104	56-150		2.09	30	
2-Butanone	10.3		"	10.0		103	49-152		33.8	20	Non-dir.
2-Chlorotoluene	8.53		"	10.0		85.3	79-130		0.117	30	
2-Hexanone	9.14		"	10.0		91.4	51-146		3.65	20	
4-Chlorotoluene	9.02		"	10.0		90.2	79-128		2.13	30	
4-Methyl-2-pentanone	9.36		"	10.0		93.6	57-145		2.60	20	
Acetone	9.01		"	10.0		90.1	40-150		2.13	20	
Acrolein	10.7		"	10.0		107	10-153		2.67	30	
Acrylonitrile	9.98		"	10.0		99.8	51-150		7.05	30	
Benzene	9.40		"	10.0		94.0	85-126		2.15	20	
Bromobenzene	8.90		"	10.0		89.0	78-129		4.61	30	
Bromochloromethane	9.34		"	10.0		93.4	77-128		1.49	20	
Bromodichloromethane	10.2		"	10.0		102	79-128		1.48	20	
Bromoform	9.69		"	10.0		96.9	78-130		1.66	20	
Bromomethane	7.33		"	10.0		73.3	43-160		1.79	20	
Carbon disulfide	9.77		"	10.0		97.7	68-146		2.28	20	
Carbon tetrachloride	10.8		"	10.0		108	77-130		0.0925	20	
Chlorobenzene	8.72		"	10.0		87.2	88-120	Low Bias	5.14	20	
Chloroethane	7.88		"	10.0		78.8	65-136		8.74	20	
Chloroform	9.76		"	10.0		97.6	82-128		1.97	20	
Chloromethane	10.1		"	10.0		101	43-155		2.11	20	
cis-1,2-Dichloroethylene	10.1		"	10.0		101	83-129		2.50	20	
cis-1,3-Dichloropropylene	9.91		"	10.0		99.1	80-130		1.80	20	
Cyclohexane	9.35		"	10.0		93.5	70-130		0.644	20	



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 BB00752 - EPA 5030B

LCS Dup (BB00752-BSD1)

Prepared & Analyzed: 02/17/2020

Dibromochloromethane	9.33		ug/L	10.0		93.3	80-130		3.79	20
Dibromomethane	9.46		"	10.0		94.6	72-134		1.05	30
Dichlorodifluoromethane	11.6		"	10.0		116	44-144		3.98	20
Ethyl Benzene	9.38		"	10.0		93.8	80-130		4.48	20
Isopropylbenzene	8.12		"	10.0		81.2	76-130		4.22	20
Methyl acetate	9.72		"	10.0		97.2	70-130		2.82	20
Methyl tert-butyl ether (MTBE)	9.76		"	10.0		97.6	76-130		0.617	20
Methylcyclohexane	9.64		"	10.0		96.4	72-130		3.47	20
Methylene chloride	10.5		"	10.0		105	70-130		3.78	20
n-Butylbenzene	7.86		"	10.0		78.6	79-132	Low Bias	22.6	30
n-Propylbenzene	8.05		"	10.0		80.5	78-133		4.97	30
o-Xylene	9.09		"	10.0		90.9	78-130		3.57	20
p- & m- Xylenes	19.2		"	20.0		95.9	77-130		0.468	20
p-Isopropyltoluene	8.90		"	10.0		89.0	81-136		0.563	30
sec-Butylbenzene	9.48		"	10.0		94.8	79-137		0.211	30
Styrene	9.04		"	10.0		90.4	70-130		3.69	20
tert-Butyl alcohol (TBA)	58.3		"	50.0		117	25-162		2.62	30
tert-Butylbenzene	8.69		"	10.0		86.9	77-138		2.09	30
Tetrachloroethylene	7.78		"	10.0		77.8	82-130	Low Bias	2.60	20
Toluene	9.05		"	10.0		90.5	80-127		4.32	20
trans-1,2-Dichloroethylene	10.3		"	10.0		103	80-130		0.583	20
trans-1,3-Dichloropropylene	9.46		"	10.0		94.6	78-130		2.20	20
Trichloroethylene	9.92		"	10.0		99.2	82-128		1.32	20
Trichlorofluoromethane	7.35		"	10.0		73.5	67-139		3.61	20
Vinyl Chloride	6.30		"	10.0		63.0	70-130	Low Bias	5.41	20
Surrogate: SURR: 1,2-Dichloroethane-d4	9.76		"	10.0		97.6	70-130			
Surrogate: SURR: Toluene-d8	9.85		"	10.0		98.5	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 BB00821 - EPA 5030B											
Blank (BB00821-BLK1)										Prepared & Analyzed: 02/18/2020	
1,1,1,2-Tetrachloroethane	ND	0.500	ug/L								
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	"								
1,1-Dichloropropylene	ND	0.500	"								
1,2,3-Trichlorobenzene	ND	0.500	"								
1,2,3-Trichloropropane	ND	0.500	"								
1,2,4,5-Tetramethylbenzene	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	"								
1,3-Dichloropropane	ND	0.500	"								
1,4-Dichlorobenzene	ND	0.500	"								
1,4-Dioxane	ND	80.0	"								
2,2-Dichloropropane	ND	0.500	"								
2-Butanone	ND	0.500	"								
2-Chlorotoluene	ND	0.500	"								
2-Hexanone	ND	0.500	"								
4-Chlorotoluene	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	"								
Bromobenzene	ND	0.500	"								
Bromochloromethane	ND	0.500	"								
Bromodichloromethane	ND	0.500	"								
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	"								



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 BB00821 - EPA 5030B

Blank (BB00821-BLK1)

Prepared & Analyzed: 02/18/2020

Ethyl Benzene	ND	0.500	ug/L
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

9.90

"

10.0

99.0

69-130

Surrogate: SURR: Toluene-d8

9.70

"

10.0

97.0

81-117

Surrogate: SURR: p-Bromofluorobenzene

11.9

"

10.0

119

79-122

LCS (BB00821-BS1)

Prepared & Analyzed: 02/18/2020

1,1,1,2-Tetrachloroethane	11.0	ug/L	10.0	110	82-126
1,1,1-Trichloroethane	11.5	"	10.0	115	78-136
1,1,2,2-Tetrachloroethane	9.03	"	10.0	90.3	76-129
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.3	"	10.0	103	54-165
1,1,2-Trichloroethane	9.90	"	10.0	99.0	82-123
1,1-Dichloroethane	9.99	"	10.0	99.9	82-129
1,1-Dichloroethylene	10.6	"	10.0	106	68-138
1,1-Dichloropropylene	10.3	"	10.0	103	83-133
1,2,3-Trichlorobenzene	9.66	"	10.0	96.6	76-136
1,2,3-Trichloropropane	9.35	"	10.0	93.5	77-128
1,2,4,5-Tetramethylbenzene	9.12	"	10.0	91.2	85-140
1,2,4-Trichlorobenzene	9.81	"	10.0	98.1	76-137
1,2,4-Trimethylbenzene	9.26	"	10.0	92.6	82-132
1,2-Dibromo-3-chloropropane	9.81	"	10.0	98.1	45-147
1,2-Dibromoethane	10.1	"	10.0	101	83-124
1,2-Dichlorobenzene	9.02	"	10.0	90.2	79-123
1,2-Dichloroethane	10.9	"	10.0	109	73-132
1,2-Dichloropropane	10.3	"	10.0	103	78-126
1,3,5-Trimethylbenzene	9.67	"	10.0	96.7	80-131
1,3-Dichlorobenzene	8.68	"	10.0	86.8	86-122
1,3-Dichloropropane	10.7	"	10.0	107	81-125
1,4-Dichlorobenzene	9.92	"	10.0	99.2	85-124



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 BB00821 - EPA 5030B											
LCS (BB00821-BS1)						Prepared & Analyzed: 02/18/2020					
1,4-Dioxane	325		ug/L	210		155	10-349				
2,2-Dichloropropane	11.7		"	10.0		117	56-150				
2-Butanone	11.0		"	10.0		110	49-152				
2-Chlorotoluene	8.91		"	10.0		89.1	79-130				
2-Hexanone	9.86		"	10.0		98.6	51-146				
4-Chlorotoluene	9.39		"	10.0		93.9	79-128				
4-Methyl-2-pentanone	9.95		"	10.0		99.5	57-145				
Acetone	9.10		"	10.0		91.0	14-150				
Acrolein	11.6		"	10.0		116	10-153				
Acrylonitrile	10.0		"	10.0		100	51-150				
Benzene	9.76		"	10.0		97.6	85-126				
Bromobenzene	9.87		"	10.0		98.7	78-129				
Bromochloromethane	10.1		"	10.0		101	77-128				
Bromodichloromethane	10.4		"	10.0		104	79-128				
Bromoform	9.96		"	10.0		99.6	78-133				
Bromomethane	7.18		"	10.0		71.8	43-168				
Carbon disulfide	10.3		"	10.0		103	68-146				
Carbon tetrachloride	11.6		"	10.0		116	77-141				
Chlorobenzene	9.45		"	10.0		94.5	88-120				
Chloroethane	8.53		"	10.0		85.3	65-136				
Chloroform	10.3		"	10.0		103	82-128				
Chloromethane	10.6		"	10.0		106	43-155				
cis-1,2-Dichloroethylene	10.7		"	10.0		107	83-129				
cis-1,3-Dichloropropylene	10.7		"	10.0		107	80-131				
Cyclohexane	10.1		"	10.0		101	63-149				
Dibromochloromethane	10.4		"	10.0		104	80-130				
Dibromomethane	9.90		"	10.0		99.0	72-134				
Dichlorodifluoromethane	12.7		"	10.0		127	44-144				
Ethyl Benzene	10.2		"	10.0		102	80-131				
Isopropylbenzene	9.15		"	10.0		91.5	76-140				
Methyl acetate	10.2		"	10.0		102	51-139				
Methyl tert-butyl ether (MTBE)	10.4		"	10.0		104	76-135				
Methylcyclohexane	10.6		"	10.0		106	72-143				
Methylene chloride	11.1		"	10.0		111	55-137				
n-Butylbenzene	9.82		"	10.0		98.2	79-132				
n-Propylbenzene	9.09		"	10.0		90.9	78-133				
o-Xylene	9.83		"	10.0		98.3	78-130				
p- & m- Xylenes	19.7		"	20.0		98.6	77-133				
p-Isopropyltoluene	9.46		"	10.0		94.6	81-136				
sec-Butylbenzene	10.2		"	10.0		102	79-137				
Styrene	9.66		"	10.0		96.6	67-132				
tert-Butyl alcohol (TBA)	55.8		"	50.0		112	25-162				
tert-Butylbenzene	9.13		"	10.0		91.3	77-138				
Tetrachloroethylene	8.85		"	10.0		88.5	82-131				
Toluene	9.81		"	10.0		98.1	80-127				
trans-1,2-Dichloroethylene	11.3		"	10.0		113	80-132				
trans-1,3-Dichloropropylene	10.1		"	10.0		101	78-131				
Trichloroethylene	10.5		"	10.0		105	82-128				
Trichlorofluoromethane	7.68		"	10.0		76.8	67-139				
Vinyl Chloride	6.81		"	10.0		68.1	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	9.60		"	10.0		96.0	69-130				



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 BB00821 - EPA 5030B											
LCS (BB00821-BS1)						Prepared & Analyzed: 02/18/2020					
Surrogate: SURR: Toluene-d8	9.71		ug/L	10.0		97.1	81-117				
Surrogate: SURR: p-Bromofluorobenzene	10.8		"	10.0		108	79-122				
LCS (BB00821-BS2)						Prepared & Analyzed: 02/18/2020					
1,1,1,2-Tetrachloroethane	11.1		ug/L	10.0		111	82-126				
1,1,1-Trichloroethane	11.6		"	10.0		116	78-136				
1,1,2,2-Tetrachloroethane	8.98		"	10.0		89.8	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.4		"	10.0		104	54-165				
1,1,2-Trichloroethane	9.75		"	10.0		97.5	82-123				
1,1-Dichloroethane	10.5		"	10.0		105	82-129				
1,1-Dichloroethylene	11.1		"	10.0		111	68-138				
1,1-Dichloropropylene	10.4		"	10.0		104	83-133				
1,2,3-Trichlorobenzene	9.69		"	10.0		96.9	76-136				
1,2,3-Trichloropropane	9.83		"	10.0		98.3	77-128				
1,2,4,5-Tetramethylbenzene	9.11		"	10.0		91.1	85-140				
1,2,4-Trichlorobenzene	9.86		"	10.0		98.6	76-137				
1,2,4-Trimethylbenzene	9.42		"	10.0		94.2	82-132				
1,2-Dibromo-3-chloropropane	9.96		"	10.0		99.6	45-147				
1,2-Dibromoethane	10.1		"	10.0		101	83-124				
1,2-Dichlorobenzene	8.92		"	10.0		89.2	79-123				
1,2-Dichloroethane	11.0		"	10.0		110	73-132				
1,2-Dichloropropane	10.6		"	10.0		106	78-126				
1,3,5-Trimethylbenzene	9.71		"	10.0		97.1	80-131				
1,3-Dichlorobenzene	8.85		"	10.0		88.5	86-122				
1,3-Dichloropropane	10.2		"	10.0		102	81-125				
1,4-Dichlorobenzene	10.0		"	10.0		100	85-124				
1,4-Dioxane	302		"	210		144	10-349				
2,2-Dichloropropane	11.6		"	10.0		116	56-150				
2-Butanone	9.63		"	10.0		96.3	49-152				
2-Chlorotoluene	9.01		"	10.0		90.1	79-130				
2-Hexanone	9.65		"	10.0		96.5	51-146				
4-Chlorotoluene	9.52		"	10.0		95.2	79-128				
4-Methyl-2-pentanone	9.67		"	10.0		96.7	57-145				
Acetone	10.1		"	10.0		101	14-150				
Acrolein	11.1		"	10.0		111	10-153				
Acrylonitrile	10.3		"	10.0		103	51-150				
Benzene	9.97		"	10.0		99.7	85-126				
Bromobenzene	9.90		"	10.0		99.0	78-129				
Bromochloromethane	10.2		"	10.0		102	77-128				
Bromodichloromethane	10.6		"	10.0		106	79-128				
Bromoform	9.87		"	10.0		98.7	78-133				
Bromomethane	7.91		"	10.0		79.1	43-168				
Carbon disulfide	10.6		"	10.0		106	68-146				
Carbon tetrachloride	11.7		"	10.0		117	77-141				
Chlorobenzene	9.57		"	10.0		95.7	88-120				
Chloroethane	8.79		"	10.0		87.9	65-136				
Chloroform	10.7		"	10.0		107	82-128				
Chloromethane	10.7		"	10.0		107	43-155				
cis-1,2-Dichloroethylene	10.6		"	10.0		106	83-129				
cis-1,3-Dichloropropylene	10.4		"	10.0		104	80-131				



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 BB00821 - EPA 5030B

LCS (BB00821-BS2)

Prepared & Analyzed: 02/18/2020

Cyclohexane	10.2		ug/L	10.0		102	63-149				
Dibromochloromethane	10.4		"	10.0		104	80-130				
Dibromomethane	9.89		"	10.0		98.9	72-134				
Dichlorodifluoromethane	13.0		"	10.0		130	44-144				
Ethyl Benzene	10.2		"	10.0		102	80-131				
Isopropylbenzene	9.39		"	10.0		93.9	76-140				
Methyl acetate	9.25		"	10.0		92.5	51-139				
Methyl tert-butyl ether (MTBE)	10.6		"	10.0		106	76-135				
Methylcyclohexane	10.7		"	10.0		107	72-143				
Methylene chloride	11.5		"	10.0		115	55-137				
n-Butylbenzene	9.70		"	10.0		97.0	79-132				
n-Propylbenzene	9.18		"	10.0		91.8	78-133				
o-Xylene	9.79		"	10.0		97.9	78-130				
p- & m- Xylenes	19.8		"	20.0		99.2	77-133				
p-Isopropyltoluene	9.60		"	10.0		96.0	81-136				
sec-Butylbenzene	10.3		"	10.0		103	79-137				
Styrene	9.73		"	10.0		97.3	67-132				
tert-Butyl alcohol (TBA)	59.3		"	50.0		119	25-162				
tert-Butylbenzene	9.42		"	10.0		94.2	77-138				
Tetrachloroethylene	8.85		"	10.0		88.5	82-131				
Toluene	9.89		"	10.0		98.9	80-127				
trans-1,2-Dichloroethylene	11.8		"	10.0		118	80-132				
trans-1,3-Dichloropropylene	10.0		"	10.0		100	78-131				
Trichloroethylene	10.5		"	10.0		105	82-128				
Trichlorofluoromethane	7.86		"	10.0		78.6	67-139				
Vinyl Chloride	6.82		"	10.0		68.2	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	9.65		"	10.0		96.5	69-130				
Surrogate: SURR: Toluene-d8	9.81		"	10.0		98.1	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 BB00821 - EPA 5030B											
LCS Dup (BB00821-BSD1)						Prepared & Analyzed: 02/18/2020					
1,1,1,2-Tetrachloroethane	10.9		ug/L	10.0		109	82-126		0.638	30	
1,1,1-Trichloroethane	11.3		"	10.0		113	78-136		1.85	30	
1,1,2,2-Tetrachloroethane	9.02		"	10.0		90.2	76-129		0.111	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.0		"	10.0		100	54-165		2.66	30	
1,1,2-Trichloroethane	10.4		"	10.0		104	82-123		4.73	30	
1,1-Dichloroethane	10.3		"	10.0		103	82-129		2.96	30	
1,1-Dichloroethylene	11.2		"	10.0		112	68-138		5.13	30	
1,1-Dichloropropylene	9.96		"	10.0		99.6	83-133		3.36	30	
1,2,3-Trichlorobenzene	9.40		"	10.0		94.0	76-136		2.73	30	
1,2,3-Trichloropropane	10.0		"	10.0		100	77-128		7.02	30	
1,2,4,5-Tetramethylbenzene	8.75		"	10.0		87.5	85-140		4.14	30	
1,2,4-Trichlorobenzene	9.71		"	10.0		97.1	76-137		1.02	30	
1,2,4-Trimethylbenzene	9.02		"	10.0		90.2	82-132		2.63	30	
1,2-Dibromo-3-chloropropane	9.53		"	10.0		95.3	45-147		2.90	30	
1,2-Dibromoethane	10.5		"	10.0		105	83-124		3.50	30	
1,2-Dichlorobenzene	8.69		"	10.0		86.9	79-123		3.73	30	
1,2-Dichloroethane	10.8		"	10.0		108	73-132		1.20	30	
1,2-Dichloropropane	10.2		"	10.0		102	78-126		0.976	30	
1,3,5-Trimethylbenzene	9.33		"	10.0		93.3	80-131		3.58	30	
1,3-Dichlorobenzene	8.46		"	10.0		84.6	86-122	Low Bias	2.57	30	
1,3-Dichloropropane	10.5		"	10.0		105	81-125		1.51	30	
1,4-Dichlorobenzene	9.77		"	10.0		97.7	85-124		1.52	30	
1,4-Dioxane	298		"	210		142	10-349		8.77	30	
2,2-Dichloropropane	11.4		"	10.0		114	56-150		2.68	30	
2-Butanone	10.2		"	10.0		102	49-152		7.34	30	
2-Chlorotoluene	8.68		"	10.0		86.8	79-130		2.62	30	
2-Hexanone	9.90		"	10.0		99.0	51-146		0.405	30	
4-Chlorotoluene	9.13		"	10.0		91.3	79-128		2.81	30	
4-Methyl-2-pentanone	10.2		"	10.0		102	57-145		2.48	30	
Acetone	9.72		"	10.0		97.2	14-150		6.59	30	
Acrolein	11.5		"	10.0		115	10-153		1.39	30	
Acrylonitrile	10.6		"	10.0		106	51-150		5.53	30	
Benzene	9.72		"	10.0		97.2	85-126		0.411	30	
Bromobenzene	9.54		"	10.0		95.4	78-129		3.40	30	
Bromochloromethane	10.3		"	10.0		103	77-128		1.66	30	
Bromodichloromethane	10.6		"	10.0		106	79-128		2.00	30	
Bromoform	10.2		"	10.0		102	78-133		1.89	30	
Bromomethane	7.34		"	10.0		73.4	43-168		2.20	30	
Carbon disulfide	10.1		"	10.0		101	68-146		2.16	30	
Carbon tetrachloride	11.4		"	10.0		114	77-141		1.74	30	
Chlorobenzene	9.43		"	10.0		94.3	88-120		0.212	30	
Chloroethane	8.50		"	10.0		85.0	65-136		0.352	30	
Chloroform	10.4		"	10.0		104	82-128		0.387	30	
Chloromethane	10.3		"	10.0		103	43-155		2.78	30	
cis-1,2-Dichloroethylene	10.6		"	10.0		106	83-129		0.658	30	
cis-1,3-Dichloropropylene	10.5		"	10.0		105	80-131		1.89	30	
Cyclohexane	10.2		"	10.0		102	63-149		1.08	30	
Dibromochloromethane	10.1		"	10.0		101	80-130		2.34	30	
Dibromomethane	9.44		"	10.0		94.4	72-134		4.76	30	
Dichlorodifluoromethane	12.5		"	10.0		125	44-144		1.43	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 BB00821 - EPA 5030B											
LCS Dup (BB00821-BSD1)						Prepared & Analyzed: 02/18/2020					
Ethyl Benzene	9.96		ug/L	10.0		99.6	80-131		2.77	30	
Isopropylbenzene	8.84		"	10.0		88.4	76-140		3.45	30	
Methyl acetate	10.2		"	10.0		102	51-139		0.589	30	
Methyl tert-butyl ether (MTBE)	10.6		"	10.0		106	76-135		1.81	30	
Methylcyclohexane	10.3		"	10.0		103	72-143		2.97	30	
Methylene chloride	11.4		"	10.0		114	55-137		2.40	30	
n-Butylbenzene	10.1		"	10.0		101	79-132		3.21	30	
n-Propylbenzene	8.80		"	10.0		88.0	78-133		3.24	30	
o-Xylene	9.68		"	10.0		96.8	78-130		1.54	30	
p- & m- Xylenes	19.5		"	20.0		97.4	77-133		1.28	30	
p-Isopropyltoluene	9.17		"	10.0		91.7	81-136		3.11	30	
sec-Butylbenzene	9.83		"	10.0		98.3	79-137		4.09	30	
Styrene	9.47		"	10.0		94.7	67-132		1.99	30	
tert-Butyl alcohol (TBA)	60.8		"	50.0		122	25-162		8.56	30	
tert-Butylbenzene	8.97		"	10.0		89.7	77-138		1.77	30	
Tetrachloroethylene	8.66		"	10.0		86.6	82-131		2.17	30	
Toluene	9.69		"	10.0		96.9	80-127		1.23	30	
trans-1,2-Dichloroethylene	11.5		"	10.0		115	80-132		1.84	30	
trans-1,3-Dichloropropylene	9.99		"	10.0		99.9	78-131		1.39	30	
Trichloroethylene	10.2		"	10.0		102	82-128		3.19	30	
Trichlorofluoromethane	7.71		"	10.0		77.1	67-139		0.390	30	
Vinyl Chloride	6.52		"	10.0		65.2	58-145		4.35	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	9.75		"	10.0		97.5	69-130				
Surrogate: SURR: Toluene-d8	9.69		"	10.0		96.9	81-117				
Surrogate: SURR: p-Bromofluorobenzene	10.7		"	10.0		107	79-122				
LCS Dup (BB00821-BSD2)						Prepared & Analyzed: 02/18/2020					
1,1,1,2-Tetrachloroethane	10.9		ug/L	10.0		109	82-126		1.54	30	
1,1,1-Trichloroethane	11.3		"	10.0		113	78-136		2.96	30	
1,1,2,2-Tetrachloroethane	8.86		"	10.0		88.6	76-129		1.35	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.95		"	10.0		99.5	54-165		4.23	30	
1,1,2-Trichloroethane	9.53		"	10.0		95.3	82-123		2.28	30	
1,1-Dichloroethane	10.1		"	10.0		101	82-129		3.30	30	
1,1-Dichloroethylene	10.8		"	10.0		108	68-138		2.92	30	
1,1-Dichloropropylene	10.1		"	10.0		101	83-133		2.24	30	
1,2,3-Trichlorobenzene	9.69		"	10.0		96.9	76-136		0.00	30	
1,2,3-Trichloropropane	9.45		"	10.0		94.5	77-128		3.94	30	
1,2,4,5-Tetramethylbenzene	8.99		"	10.0		89.9	85-140		1.33	30	
1,2,4-Trichlorobenzene	9.79		"	10.0		97.9	76-137		0.712	30	
1,2,4-Trimethylbenzene	9.40		"	10.0		94.0	82-132		0.213	30	
1,2-Dibromo-3-chloropropane	9.47		"	10.0		94.7	45-147		5.04	30	
1,2-Dibromoethane	9.72		"	10.0		97.2	83-124		3.64	30	
1,2-Dichlorobenzene	8.88		"	10.0		88.8	79-123		0.449	30	
1,2-Dichloroethane	10.4		"	10.0		104	73-132		5.87	30	
1,2-Dichloropropane	10.2		"	10.0		102	78-126		3.36	30	
1,3,5-Trimethylbenzene	9.65		"	10.0		96.5	80-131		0.620	30	
1,3-Dichlorobenzene	8.80		"	10.0		88.0	86-122		0.567	30	
1,3-Dichloropropane	10.2		"	10.0		102	81-125		0.392	30	
1,4-Dichlorobenzene	10.0		"	10.0		100	85-124		0.499	30	
1,4-Dioxane	184		"	210		87.6	10-349		48.5	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 BB00821 - EPA 5030B											
LCS Dup (BB00821-BSD2)						Prepared & Analyzed: 02/18/2020					
2,2-Dichloropropane	10.6		ug/L	10.0		106	56-150		9.13	30	
2-Butanone	9.20		"	10.0		92.0	49-152		4.57	30	
2-Chlorotoluene	8.90		"	10.0		89.0	79-130		1.23	30	
2-Hexanone	8.86		"	10.0		88.6	51-146		8.54	30	
4-Chlorotoluene	9.38		"	10.0		93.8	79-128		1.48	30	
4-Methyl-2-pentanone	9.28		"	10.0		92.8	57-145		4.12	30	
Acetone	7.76		"	10.0		77.6	14-150		26.6	30	
Acrolein	11.6		"	10.0		116	10-153		4.33	30	
Acrylonitrile	9.06		"	10.0		90.6	51-150		12.8	30	
Benzene	9.70		"	10.0		97.0	85-126		2.75	30	
Bromobenzene	9.89		"	10.0		98.9	78-129		0.101	30	
Bromochloromethane	9.95		"	10.0		99.5	77-128		2.38	30	
Bromodichloromethane	10.2		"	10.0		102	79-128		3.28	30	
Bromoform	9.54		"	10.0		95.4	78-133		3.40	30	
Bromomethane	9.12		"	10.0		91.2	43-168		14.2	30	
Carbon disulfide	9.76		"	10.0		97.6	68-146		8.16	30	
Carbon tetrachloride	11.3		"	10.0		113	77-141		3.57	30	
Chlorobenzene	9.23		"	10.0		92.3	88-120		3.62	30	
Chloroethane	9.91		"	10.0		99.1	65-136		12.0	30	
Chloroform	10.2		"	10.0		102	82-128		5.55	30	
Chloromethane	10.8		"	10.0		108	43-155		0.558	30	
cis-1,2-Dichloroethylene	10.4		"	10.0		104	83-129		2.19	30	
cis-1,3-Dichloropropylene	10.2		"	10.0		102	80-131		1.55	30	
Cyclohexane	9.67		"	10.0		96.7	63-149		5.43	30	
Dibromochloromethane	9.76		"	10.0		97.6	80-130		6.06	30	
Dibromomethane	9.42		"	10.0		94.2	72-134		4.87	30	
Dichlorodifluoromethane	12.8		"	10.0		128	44-144		1.86	30	
Ethyl Benzene	9.92		"	10.0		99.2	80-131		3.17	30	
Isopropylbenzene	9.16		"	10.0		91.6	76-140		2.48	30	
Methyl acetate	8.50		"	10.0		85.0	51-139		8.45	30	
Methyl tert-butyl ether (MTBE)	10.0		"	10.0		100	76-135		5.33	30	
Methylcyclohexane	9.85		"	10.0		98.5	72-143		8.09	30	
Methylene chloride	11.1		"	10.0		111	55-137		3.80	30	
n-Butylbenzene	9.83		"	10.0		98.3	79-132		1.33	30	
n-Propylbenzene	9.00		"	10.0		90.0	78-133		1.98	30	
o-Xylene	9.58		"	10.0		95.8	78-130		2.17	30	
p- & m- Xylenes	19.4		"	20.0		97.0	77-133		2.19	30	
p-Isopropyltoluene	9.36		"	10.0		93.6	81-136		2.53	30	
sec-Butylbenzene	10.1		"	10.0		101	79-137		2.06	30	
Styrene	9.53		"	10.0		95.3	67-132		2.08	30	
tert-Butyl alcohol (TBA)	37.9		"	50.0		75.8	25-162		44.0	30	Non-dir.
tert-Butylbenzene	9.31		"	10.0		93.1	77-138		1.17	30	
Tetrachloroethylene	8.19		"	10.0		81.9	82-131	Low Bias	7.75	30	
Toluene	9.57		"	10.0		95.7	80-127		3.29	30	
trans-1,2-Dichloroethylene	11.1		"	10.0		111	80-132		5.33	30	
trans-1,3-Dichloropropylene	9.93		"	10.0		99.3	78-131		1.10	30	
Trichloroethylene	9.96		"	10.0		99.6	82-128		5.37	30	
Trichlorofluoromethane	8.92		"	10.0		89.2	67-139		12.6	30	
Vinyl Chloride	7.89		"	10.0		78.9	58-145		14.5	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	9.72		"	10.0		97.2	69-130				
Surrogate: SURR: Toluene-d8	9.75		"	10.0		97.5	81-117				



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 BB00821 - EPA 5030B

LCS Dup (BB00821-BSD2)

Prepared & Analyzed: 02/18/2020

Surrogate: SURR: p-Bromofluorobenzene	11.3		ug/L	10.0		113	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 BB00806 - EPA 3510C

Blank (BB00806-BLK1)

Prepared & Analyzed: 02/18/2020

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	5.00	"
2,4,5-Trichlorophenol	ND	5.00	"
2,4,6-Trichlorophenol	ND	5.00	"
2,4-Dichlorophenol	ND	5.00	"
2,4-Dimethylphenol	ND	5.00	"
2,4-Dinitrophenol	ND	5.00	"
2,4-Dinitrotoluene	ND	5.00	"
2,6-Dinitrotoluene	ND	5.00	"
2-Chloronaphthalene	ND	5.00	"
2-Chlorophenol	ND	5.00	"
2-Methylnaphthalene	ND	5.00	"
2-Methylphenol	ND	5.00	"
2-Nitroaniline	ND	5.00	"
2-Nitrophenol	ND	5.00	"
3- & 4-Methylphenols	ND	5.00	"
3,3-Dichlorobenzidine	ND	5.00	"
3-Nitroaniline	ND	5.00	"
4,6-Dinitro-2-methylphenol	ND	5.00	"
4-Bromophenyl phenyl ether	ND	5.00	"
4-Chloro-3-methylphenol	ND	5.00	"
4-Chloroaniline	ND	5.00	"
4-Chlorophenyl phenyl ether	ND	5.00	"
4-Nitroaniline	ND	5.00	"
4-Nitrophenol	ND	5.00	"
Acetophenone	ND	5.00	"
Aniline	ND	5.00	"
Benzaldehyde	ND	5.00	"
Benzidine	ND	5.00	"
Benzoic acid	ND	5.00	"
Benzyl alcohol	ND	5.00	"
Benzyl butyl phthalate	ND	5.00	"
Bis(2-chloroethoxy)methane	ND	5.00	"
Bis(2-chloroethyl)ether	ND	5.00	"
Bis(2-chloroisopropyl)ether	ND	5.00	"
Caprolactam	ND	5.00	"
Carbazole	ND	5.00	"
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	"
Hexachlorocyclopentadiene	ND	10.0	"
Isophorone	ND	5.00	"
N-nitroso-di-n-propylamine	ND	5.00	"



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 BB00806 - EPA 3510C

Blank (BB00806-BLK1)

Prepared & Analyzed: 02/18/2020

N-Nitrosodiphenylamine	ND	5.00	ug/L								
Phenol	ND	5.00	"								
Pyridine	ND	5.00	"								
Surrogate: SURR: 2-Fluorophenol	25.7		"	50.0		51.5	19.7-63.1				
Surrogate: SURR: Phenol-d5	17.1		"	50.0		34.2	10.1-41.7				
Surrogate: SURR: Nitrobenzene-d5	21.6		"	25.0		86.6	50.2-113				
Surrogate: SURR: 2-Fluorobiphenyl	19.6		"	25.0		78.5	39.9-105				
Surrogate: SURR: 2,4,6-Tribromophenol	50.8		"	50.0		102	39.3-151				
Surrogate: SURR: Terphenyl-d14	28.0		"	25.0		112	30.7-106				

Blank (BB00806-BLK2)

Prepared & Analyzed: 02/18/2020

Acenaphthene	ND	0.0500	ug/L								
Acenaphthylene	ND	0.0500	"								
Anthracene	ND	0.0500	"								
Atrazine	ND	0.500	"								
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	"								
Bis(2-ethylhexyl)phthalate	0.590	0.500	"								
Chrysene	ND	0.0500	"								
Dibenzo(a,h)anthracene	ND	0.0500	"								
Fluoranthene	ND	0.0500	"								
Fluorene	ND	0.0500	"								
Hexachlorobenzene	ND	0.0200	"								
Hexachlorobutadiene	ND	0.500	"								
Hexachloroethane	ND	0.500	"								
Indeno(1,2,3-cd)pyrene	ND	0.0500	"								
Naphthalene	0.860	0.0500	"								
Nitrobenzene	ND	0.250	"								
N-Nitrosodimethylamine	ND	0.500	"								
Pentachlorophenol	0.260	0.250	"								
Phenanthrene	ND	0.0500	"								
Pyrene	ND	0.0500	"								



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 BB00806 - EPA 3510C											
LCS (BB00806-BS1)						Prepared & Analyzed: 02/18/2020					
1,1-Biphenyl	20.3	5.00	ug/L	25.0		81.1	33-95				
1,2,4,5-Tetrachlorobenzene	21.4	5.00	"	25.2		84.9	26-120				
1,2,4-Trichlorobenzene	19.8	5.00	"	25.0		79.1	20-118				
1,2-Dichlorobenzene	18.1	5.00	"	25.0		72.5	29-111				
1,2-Diphenylhydrazine (as Azobenzene)	20.6	5.00	"	25.0		82.4	16-141				
1,3-Dichlorobenzene	17.5	5.00	"	25.0		70.0	23-117				
1,4-Dichlorobenzene	17.5	5.00	"	25.0		70.0	30-105				
2,3,4,6-Tetrachlorophenol	26.0	5.00	"	25.0		104	30-130				
2,4,5-Trichlorophenol	20.7	5.00	"	25.0		82.8	32-114				
2,4,6-Trichlorophenol	22.6	5.00	"	25.0		90.4	35-118				
2,4-Dichlorophenol	22.5	5.00	"	25.0		89.9	25-116				
2,4-Dimethylphenol	21.0	5.00	"	25.0		84.0	15-116				
2,4-Dinitrophenol	37.3	5.00	"	25.0		149	10-170				
2,4-Dinitrotoluene	23.0	5.00	"	25.0		91.9	41-128				
2,6-Dinitrotoluene	24.5	5.00	"	25.0		98.1	45-116				
2-Chloronaphthalene	19.8	5.00	"	25.0		79.4	33-112				
2-Chlorophenol	19.5	5.00	"	25.0		78.1	15-120				
2-Methylnaphthalene	22.3	5.00	"	25.0		89.3	24-118				
2-Methylphenol	15.9	5.00	"	25.0		63.8	10-110				
2-Nitroaniline	23.7	5.00	"	25.0		94.7	34-129				
2-Nitrophenol	26.1	5.00	"	25.0		104	28-118				
3- & 4-Methylphenols	13.4	5.00	"	25.0		53.8	10-107				
3,3-Dichlorobenzidine	16.5	5.00	"	25.0		66.1	15-187				
3-Nitroaniline	20.3	5.00	"	25.0		81.3	24-134				
4,6-Dinitro-2-methylphenol	33.8	5.00	"	25.0		135	10-153				
4-Bromophenyl phenyl ether	22.2	5.00	"	25.0		88.6	34-120				
4-Chloro-3-methylphenol	22.3	5.00	"	25.0		89.2	20-120				
4-Chloroaniline	17.5	5.00	"	25.0		70.2	10-147				
4-Chlorophenyl phenyl ether	21.2	5.00	"	25.0		84.8	27-121				
4-Nitroaniline	19.8	5.00	"	25.0		79.1	13-134				
4-Nitrophenol	12.7	5.00	"	25.0		51.0	10-131				
Acetophenone	19.1	5.00	"	25.0		76.3	25-110				
Aniline	16.7	5.00	"	25.0		66.8	10-117				
Benzaldehyde	21.1	5.00	"	25.0		84.5	29-117				
Benzoic acid	8.71	5.00	"	25.0		34.8	30-130				
Benzyl alcohol	20.1	5.00	"	25.0		80.4	10-117				
Benzyl butyl phthalate	23.9	5.00	"	25.0		95.5	29-133				
Bis(2-chloroethoxy)methane	20.9	5.00	"	25.0		83.6	10-154				
Bis(2-chloroethyl)ether	19.9	5.00	"	25.0		79.7	17-125				
Bis(2-chloroisopropyl)ether	21.6	5.00	"	25.0		86.2	10-139				
Caprolactam	6.25	5.00	"	25.0		25.0	10-137				
Carbazole	22.3	5.00	"	25.0		89.4	42-126				
Dibenzofuran	21.0	5.00	"	25.0		83.9	36-113				
Diethyl phthalate	21.5	5.00	"	25.0		86.0	38-115				
Dimethyl phthalate	20.4	5.00	"	25.0		81.4	38-129				
Di-n-butyl phthalate	23.8	5.00	"	25.0		95.2	31-120				
Di-n-octyl phthalate	27.5	5.00	"	25.0		110	21-149				
Hexachlorocyclopentadiene	20.2	10.0	"	25.0		80.6	10-130				
Isophorone	22.0	5.00	"	25.0		87.9	25-127				
N-nitroso-di-n-propylamine	19.7	5.00	"	25.0		79.0	26-122				
N-Nitrosodiphenylamine	27.3	5.00	"	25.0		109	23-149				



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 BB00806 - EPA 3510C

LCS (BB00806-BS1)

Prepared & Analyzed: 02/18/2020

Phenol	9.39	5.00	ug/L	25.0		37.6	10-110				
Pyridine	17.5	5.00	"	25.2		69.3	10-90				
Surrogate: SURR: 2-Fluorophenol	26.7		"	50.0		53.5	19.7-63.1				
Surrogate: SURR: Phenol-d5	18.0		"	50.0		36.0	10.1-41.7				
Surrogate: SURR: Nitrobenzene-d5	21.9		"	25.0		87.6	50.2-113				
Surrogate: SURR: 2-Fluorobiphenyl	19.8		"	25.0		79.2	39.9-105				
Surrogate: SURR: 2,4,6-Tribromophenol	53.7		"	50.0		107	39.3-151				
Surrogate: SURR: Terphenyl-d14	25.4		"	25.0		101	30.7-106				

LCS (BB00806-BS2)

Prepared & Analyzed: 02/18/2020

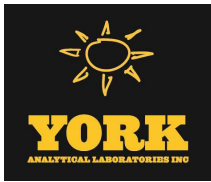
Acenaphthene	0.820	0.0500	ug/L	1.00		82.0	25-116				
Acenaphthylene	0.860	0.0500	"	1.00		86.0	26-116				
Anthracene	0.920	0.0500	"	1.00		92.0	25-123				
Benzo(a)anthracene	1.11	0.0500	"	1.00		111	33-125				
Benzo(a)pyrene	1.03	0.0500	"	1.00		103	32-132				
Benzo(b)fluoranthene	1.18	0.0500	"	1.00		118	22-137				
Benzo(g,h,i)perylene	1.15	0.0500	"	1.00		115	10-138				
Benzo(k)fluoranthene	1.02	0.0500	"	1.00		102	20-137				
Bis(2-ethylhexyl)phthalate	1.53	0.500	"	1.00		153	10-189				
Chrysene	0.910	0.0500	"	1.00		91.0	32-124				
Dibenzo(a,h)anthracene	1.20	0.0500	"	1.00		120	16-133				
Fluoranthene	1.07	0.0500	"	1.00		107	32-121				
Fluorene	0.870	0.0500	"	1.00		87.0	28-118				
Hexachlorobenzene	1.10	0.0200	"	1.00		110	23-124				
Hexachlorobutadiene	0.860	0.500	"	1.00		86.0	15-123				
Hexachloroethane	0.910	0.500	"	1.00		91.0	18-115				
Indeno(1,2,3-cd)pyrene	1.18	0.0500	"	1.00		118	15-135				
Naphthalene	1.55	0.0500	"	1.00		155	18-120	High Bias			
Nitrobenzene	1.26	0.250	"	1.00		126	21-121	High Bias			
N-Nitrosodimethylamine	0.690	0.500	"	1.00		69.0	10-124				
Pentachlorophenol	1.38	0.250	"	1.00		138	10-156				
Phenanthrene	0.890	0.0500	"	1.00		89.0	24-127				
Pyrene	1.04	0.0500	"	1.00		104	31-132				



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 BB00806 - EPA 3510C											
LCS Dup (BB00806-BSD1)						Prepared & Analyzed: 02/18/2020					
1,1-Biphenyl	18.5	5.00	ug/L	25.0		74.1	33-95		9.02	20	
1,2,4,5-Tetrachlorobenzene	19.5	5.00	"	25.2		77.3	26-120		9.33	20	
1,2,4-Trichlorobenzene	17.9	5.00	"	25.0		71.5	20-118		10.1	20	
1,2-Dichlorobenzene	16.0	5.00	"	25.0		64.0	29-111		12.4	20	
1,2-Diphenylhydrazine (as Azobenzene)	18.9	5.00	"	25.0		75.5	16-141		8.76	20	
1,3-Dichlorobenzene	15.4	5.00	"	25.0		61.6	23-117		12.7	20	
1,4-Dichlorobenzene	15.6	5.00	"	25.0		62.2	30-105		11.7	20	
2,3,4,6-Tetrachlorophenol	24.0	5.00	"	25.0		96.0	30-130		8.04	20	
2,4,5-Trichlorophenol	18.7	5.00	"	25.0		75.0	32-114		9.94	20	
2,4,6-Trichlorophenol	20.3	5.00	"	25.0		81.2	35-118		10.7	20	
2,4-Dichlorophenol	20.4	5.00	"	25.0		81.4	25-116		9.90	20	
2,4-Dimethylphenol	18.8	5.00	"	25.0		75.3	15-116		10.8	20	
2,4-Dinitrophenol	33.4	5.00	"	25.0		134	10-170		11.0	20	
2,4-Dinitrotoluene	21.1	5.00	"	25.0		84.2	41-128		8.72	20	
2,6-Dinitrotoluene	22.3	5.00	"	25.0		89.1	45-116		9.62	20	
2-Chloronaphthalene	18.1	5.00	"	25.0		72.2	33-112		9.39	20	
2-Chlorophenol	17.5	5.00	"	25.0		70.0	15-120		11.0	20	
2-Methylnaphthalene	19.9	5.00	"	25.0		79.8	24-118		11.3	20	
2-Methylphenol	14.6	5.00	"	25.0		58.6	10-110		8.50	20	
2-Nitroaniline	21.7	5.00	"	25.0		86.8	34-129		8.64	20	
2-Nitrophenol	23.2	5.00	"	25.0		92.9	28-118		11.5	20	
3- & 4-Methylphenols	12.2	5.00	"	25.0		48.6	10-107		10.0	20	
3,3-Dichlorobenzidine	17.3	5.00	"	25.0		69.1	15-187		4.44	20	
3-Nitroaniline	19.1	5.00	"	25.0		76.3	24-134		6.35	20	
4,6-Dinitro-2-methylphenol	31.4	5.00	"	25.0		126	10-153		7.15	20	
4-Bromophenyl phenyl ether	20.8	5.00	"	25.0		83.1	34-120		6.48	20	
4-Chloro-3-methylphenol	20.3	5.00	"	25.0		81.3	20-120		9.25	20	
4-Chloroaniline	15.7	5.00	"	25.0		63.0	10-147		10.8	20	
4-Chlorophenyl phenyl ether	19.1	5.00	"	25.0		76.6	27-121		10.2	20	
4-Nitroaniline	20.0	5.00	"	25.0		79.9	13-134		1.01	20	
4-Nitrophenol	11.8	5.00	"	25.0		47.4	10-131		7.24	20	
Acetophenone	17.1	5.00	"	25.0		68.2	25-110		11.2	20	
Aniline	14.2	5.00	"	25.0		56.8	10-117		16.1	20	
Benzaldehyde	18.4	5.00	"	25.0		73.8	29-117		13.5	20	
Benzoic acid	8.39	5.00	"	25.0		33.6	30-130		3.74	20	
Benzyl alcohol	17.9	5.00	"	25.0		71.6	10-117		11.6	20	
Benzyl butyl phthalate	23.1	5.00	"	25.0		92.4	29-133		3.24	20	
Bis(2-chloroethoxy)methane	19.0	5.00	"	25.0		76.1	10-154		9.47	20	
Bis(2-chloroethyl)ether	17.8	5.00	"	25.0		71.2	17-125		11.2	20	
Bis(2-chloroisopropyl)ether	18.9	5.00	"	25.0		75.5	10-139		13.2	20	
Caprolactam	5.93	5.00	"	25.0		23.7	10-137		5.25	20	
Carbazole	21.6	5.00	"	25.0		86.3	42-126		3.46	20	
Dibenzofuran	18.6	5.00	"	25.0		74.6	36-113		11.7	20	
Diethyl phthalate	19.9	5.00	"	25.0		79.7	38-115		7.63	20	
Dimethyl phthalate	18.5	5.00	"	25.0		74.2	38-129		9.31	20	
Di-n-butyl phthalate	23.1	5.00	"	25.0		92.3	31-120		3.16	20	
Di-n-octyl phthalate	26.7	5.00	"	25.0		107	21-149		2.92	20	
Hexachlorocyclopentadiene	18.0	10.0	"	25.0		72.0	10-130		11.3	20	
Isophorone	19.6	5.00	"	25.0		78.6	25-127		11.2	20	
N-nitroso-di-n-propylamine	17.6	5.00	"	25.0		70.6	26-122		11.2	20	
N-Nitrosodiphenylamine	25.2	5.00	"	25.0		101	23-149		7.91	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 BB00806 - EPA 3510C

LCS Dup (BB00806-BSD1)

Prepared & Analyzed: 02/18/2020

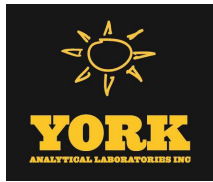
Phenol	8.54	5.00	ug/L	25.0		34.2	10-110		9.48	20
Pyridine	15.8	5.00	"	25.2		62.4	10-90		10.5	20
Surrogate: SURR: 2-Fluorophenol	24.3		"	50.0		48.7	19.7-63.1			
Surrogate: SURR: Phenol-d5	16.5		"	50.0		33.0	10.1-41.7			
Surrogate: SURR: Nitrobenzene-d5	19.8		"	25.0		79.2	50.2-113			
Surrogate: SURR: 2-Fluorobiphenyl	18.1		"	25.0		72.2	39.9-105			
Surrogate: SURR: 2,4,6-Tribromophenol	50.5		"	50.0		101	39.3-151			
Surrogate: SURR: Terphenyl-d14	25.0		"	25.0		99.9	30.7-106			



Semivolatile Organic Compounds by GC/MS/SIM - 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 BB00808 - EPA 3535A											
Blank (BB00808-BLK1)						Prepared: 02/18/2020 Analyzed: 02/19/2020					
1,4-Dioxane	ND	0.200	ug/L								
Surrogate: 1,4-Dioxane-d8	4.00		"	5.00		80.0	36.6-118				
LCS (BB00808-BS1)						Prepared: 02/18/2020 Analyzed: 02/19/2020					
1,4-Dioxane	4.74	0.200	ug/L	5.00		94.8	50-130				
Surrogate: 1,4-Dioxane-d8	3.80		"	5.00		76.0	36.6-118				
Matrix Spike (BB00808-MS1)						Prepared: 02/18/2020 Analyzed: 02/19/2020					
1,4-Dioxane	4.76	0.200	ug/L	5.00	ND	95.2	50-130				
Surrogate: 1,4-Dioxane-d8	4.00		"	5.00		80.0	50-130				
Matrix Spike Dup (BB00808-MSD1)						Prepared: 02/18/2020 Analyzed: 02/19/2020					
1,4-Dioxane	5.22	0.200	ug/L	5.00	ND	104	50-130		9.22	30	
Surrogate: 1,4-Dioxane-d8	4.40		"	5.00		88.0	50-130				



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
20B0501-01	MW-1	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
20B0501-02	MW-2	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



Sample and Data Qualifiers Relating to This Work Order

SCAL-E	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration (average Rf>20%).
S-08	The recovery of this surrogate was outside of QC limits.
QR-04	The RPD exceeded control limits for the LCS/LCSD QC.
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.
EXT-EM	The sample exhibited emulsion formation during the extraction process. This may affect surrogate recoveries.
EXT-D	The sample submitted contained sediment. The aqueous portion was decanted off, the volume measured and used for the extraction. The sediment was not included in the extraction.
CCV-L	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 low.
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).
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.

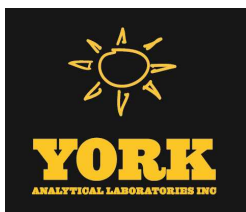
Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

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 Std. Terms & Conditions are listed on the back side of this document. This document serves as your written authorization to York to proceed with the analyses requested. Your signature binds you to York's Std. Terms & Conditions.

York Project No. 2030501

YOUR Information Company: HES, Inc. Address: One Deans Bridge Road Somers, New York 10589 Phone No. (914) 276-2560 Contact Person: E-Mail Address:		Report To: Company: Same Address: Phone No. Attention: E-Mail Address:		Invoice To: Company: Same Address: Phone No. Attention: E-Mail Address:		YOUR Project ID 130 Milland Avenue, Port Chester, New York Samples from: CT, NY, NJ		Turn-Around Time RUSH - Same Day ☐ RUSH - Next Day ☐ RUSH - Two Day ☐ RUSH - Three Day ☐ RUSH - Four Day ☐ Standard (5-7 Days) ☒		Report Type Summary Report ☒ Summary w/ QA Summary ☐ CT RCP Package ☐ CTRCP DQA/DUE Pkg ☐ NY ASP A Package ☐ NY ASP B Package ☒ NJDEP Red. Deliv. ☐ Electronic Data Deliverables (EDD) ☐ Simple Excel ☐ NYSDEC EQuls ☒ EQuls (std) ☐ EZ-EDD (EQuls) ☐ NJDEP SRP HazSite EDD ☐ GIS/KEY (std) ☐ Other ☐ York Regulatory Comparison ☐ Excel Spreadsheet ☐ Compare to the following Regs. (please fill in):					
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. Richard DePolo Name (printed) Samples Collected/Authorized By (Signature) Richard DePolo Name (printed)		Matrix Codes S - soil Other - specify (oil, etc.) WW - wastewater GW - groundwater DW - drinking water Air-A - ambient air Air-SV - soil vapor		Volatiles K260 full 624 STARS list BTEx MTBE TCL list TAGM list CT RCP list Arom. only Halog. only App IX list 8021B list		Semi-Vols. 8270 or 625 STARS list BN Only Acids Only PAH list TAGM list CT RCP list TCL list Arom. only NIDEP list App IX TCLP BNA SPL Per TCLP		Metals RCRA8 PPI3 list TAL CT15 list TAGM list NIDEP list Total Dissolved SPL Per TCLP TCLP Herb Chlordane 608 Pest LIST Below		Misc. Org. TPH GRO TPH DRO CT ETPH NY 310-13 TPH 1664 Full App IX Part 360-Residue Air TO14A Air TO15 Air STARS Air VPH Air TICs Methane Helium		Full Lists Pri. Poll. TCL Organics TAL MetCn Full TCLP Full App IX Part 360-Residue Part 360-Residue Part 360-Residue NYDEC Sewer NYDEC Sewer TAGM Silica		Misc. Conductivity Reactivity Ignitability Flash Point Sieve Anal. Heterotrophs TOX BTU/lb. Aquatic Tox. TOC Asbestos	
Sample Identification MW-1 MW-2		Date Sampled 2/13/20 2/13/20		Sample Matrix GW GW		Choose Analyses Needed from the Menu Above and Enter Below EPA Method 3260 + EPA 3270; 1, 4-Dioxane		Container Description(s) (3) Amber, (3) Vials							
Comments		Preservation (Check those Applicable) Special Instructions Field Filtered ☐ Lab to Filter ☐		4°C ☐ Frozen ☐ HCl ☐ MeOH ☐ Ascorbic Acid ☐ HNO₃ ☐ H₂SO₄ ☐ NaOH ☐		Temperature on Receipt 1.1 °C									



Technical Report

prepared for:

Hydro Environmental Solutions

One Deans Bridge Road

Somers NY, 10589

Attention: Bill Canavan

Report Date: 02/25/2020

Client Project ID: 130 Midland Avenue, Port Chester, New York

York Project (SDG) No.: 20B0608

CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037



New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

120 RESEARCH DRIVE
www.YORKLAB.com

STRATFORD, CT 06615
(203) 325-1371



132-02 89th AVENUE
FAX (203) 357-0166

RICHMOND HILL, NY 11418
ClientServices@yorklab.com

Report Date: 02/25/2020
Client Project ID: 130 Midland Avenue, Port Chester, New York
York Project (SDG) No.: 20B0608

Hydro Environmental Solutions

One Deans Bridge Road
Somers NY, 10589
Attention: Bill Canavan

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 February 18, 2020 and listed below. The project was identified as your project: **130 Midland Avenue, Port Chester, New York.**

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>
20B0608-01	MW-3	Water	02/14/2020	02/18/2020
20B0608-02	MW-4	Water	02/14/2020	02/18/2020
20B0608-03	MW-6	Water	02/14/2020	02/18/2020

General Notes for York Project (SDG) No.: 20B0608

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:



Benjamin Gulizia
Laboratory Director

Date: 02/25/2020





Sample Information

Client Sample ID: MW-3

York Sample ID: 20B0608-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20B0608

130 Midland Avenue, Port Chester, New York

Water

February 14, 2020 12:00 am

02/18/2020

Volatiles, 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	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 18:37	02/20/2020 19:37	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	02/20/2020 18:37	02/20/2020 19:37	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	02/20/2020 18:37	02/20/2020 19:37	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	02/20/2020 18:37	02/20/2020 19:37	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	02/20/2020 18:37	02/20/2020 19:37	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	02/20/2020 18:37	02/20/2020 19:37	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	02/20/2020 18:37	02/20/2020 19:37	LLJ
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	02/20/2020 18:37	02/20/2020 19:37	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	02/20/2020 18:37	02/20/2020 19:37	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	02/20/2020 18:37	02/20/2020 19:37	LLJ
95-93-2	* 1,2,4,5-Tetramethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/20/2020 18:37	02/20/2020 19:37	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	02/20/2020 18:37	02/20/2020 19:37	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	02/20/2020 18:37	02/20/2020 19:37	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	02/20/2020 18:37	02/20/2020 19:37	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	02/20/2020 18:37	02/20/2020 19:37	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	02/20/2020 18:37	02/20/2020 19:37	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	02/20/2020 18:37	02/20/2020 19:37	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	02/20/2020 18:37	02/20/2020 19:37	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	02/20/2020 18:37	02/20/2020 19:37	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	02/20/2020 18:37	02/20/2020 19:37	LLJ
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 18:37	02/20/2020 19:37	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	02/20/2020 18:37	02/20/2020 19:37	LLJ



Sample Information

Client Sample ID: MW-3

York Sample ID: 20B0608-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20B0608

130 Midland Avenue, Port Chester, New York

Water

February 14, 2020 12:00 am

02/18/2020

Volatiles, 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
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications:	02/20/2020 18:37 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 19:37	LLJ
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/20/2020 18:37 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 19:37	LLJ
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/20/2020 18:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 19:37	LLJ
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/20/2020 18:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 19:37	LLJ
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/20/2020 18:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 19:37	LLJ
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/20/2020 18:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 19:37	LLJ
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/20/2020 18:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 19:37	LLJ
67-64-1	Acetone	2.07		ug/L	1.00	2.00	1	EPA 8260C Certifications:	02/20/2020 18:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 19:37	LLJ
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/20/2020 18:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 19:37	LLJ
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/20/2020 18:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 19:37	LLJ
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/20/2020 18:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 19:37	LLJ
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/20/2020 18:37 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 19:37	LLJ
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/20/2020 18:37 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 19:37	LLJ
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/20/2020 18:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 19:37	LLJ
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/20/2020 18:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 19:37	LLJ
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/20/2020 18:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 19:37	LLJ
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/20/2020 18:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 19:37	LLJ
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/20/2020 18:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 19:37	LLJ
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/20/2020 18:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 19:37	LLJ
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/20/2020 18:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 19:37	LLJ
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/20/2020 18:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 19:37	LLJ
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/20/2020 18:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 19:37	LLJ
156-59-2	cis-1,2-Dichloroethylene	0.710		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/20/2020 18:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 19:37	LLJ



Sample Information

Client Sample ID: MW-3

York Sample ID: 20B0608-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

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20B0608

130 Midland Avenue, Port Chester, New York

Water

February 14, 2020 12:00 am

02/18/2020

Volatiles, 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
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/20/2020 18:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 19:37	LLJ
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/20/2020 18:37 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 19:37	LLJ
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/20/2020 18:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 19:37	LLJ
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/20/2020 18:37 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 19:37	LLJ
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/20/2020 18:37 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 19:37	LLJ
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/20/2020 18:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 19:37	LLJ
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/20/2020 18:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 19:37	LLJ
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/20/2020 18:37 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 19:37	LLJ
1634-04-4	Methyl tert-butyl ether (MTBE)	0.350		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/20/2020 18:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 19:37	LLJ
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/20/2020 18:37 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 19:37	LLJ
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications:	02/20/2020 18:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 19:37	LLJ
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/20/2020 18:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 19:37	LLJ
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/20/2020 18:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 19:37	LLJ
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/20/2020 18:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 19:37	LLJ
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications:	02/20/2020 18:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 19:37	LLJ
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/20/2020 18:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 19:37	LLJ
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/20/2020 18:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 19:37	LLJ
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/20/2020 18:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 19:37	LLJ
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications:	02/20/2020 18:37 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 19:37	LLJ
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/20/2020 18:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 19:37	LLJ
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/20/2020 18:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 19:37	LLJ
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/20/2020 18:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 19:37	LLJ
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/20/2020 18:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 19:37	LLJ



Sample Information

Client Sample ID: MW-3

York Sample ID: 20B0608-01

York Project (SDG) No.

Client Project ID

Matrix

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20B0608

130 Midland Avenue, Port Chester, New York

Water

February 14, 2020 12:00 am

02/18/2020

Volatiles, 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
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	02/20/2020 18:37	02/20/2020 19:37	LLJ
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 18:37	02/20/2020 19:37	LLJ
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 18:37	02/20/2020 19:37	LLJ
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 18:37	02/20/2020 19:37	LLJ
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	02/20/2020 18:37	02/20/2020 19:37	LLJ
Surrogate Recoveries		Result		Acceptance Range							
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	102 %		69-130							
2037-26-5	Surrogate: SURR: Toluene-d8	98.3 %		81-117							
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	105 %		79-122							

Semivolatiles, 8270 Comprehensive

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	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/20/2020 08:45	02/21/2020 18:30	OW
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/20/2020 08:45	02/21/2020 18:30	OW
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/20/2020 08:45	02/21/2020 18:30	OW
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/20/2020 08:45	02/21/2020 18:30	OW
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/20/2020 08:45	02/21/2020 18:30	OW
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/20/2020 08:45	02/21/2020 18:30	OW
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/20/2020 08:45	02/21/2020 18:30	OW
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/20/2020 08:45	02/21/2020 18:30	OW
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/20/2020 08:45	02/21/2020 18:30	OW
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/20/2020 08:45	02/21/2020 18:30	OW
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/20/2020 08:45	02/21/2020 18:30	OW
105-67-9	2,4-Dimethylphenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/20/2020 08:45	02/21/2020 18:30	OW



Sample Information

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130 Midland Avenue, Port Chester, New York

Water

February 14, 2020 12:00 am

02/18/2020

Semivolatiles, 8270 Comprehensive

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
51-28-5	2,4-Dinitrophenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications:	02/20/2020 08:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2020 18:30	OW
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications:	02/20/2020 08:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2020 18:30	OW
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications:	02/20/2020 08:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2020 18:30	OW
91-58-7	2-Chloronaphthalene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications:	02/20/2020 08:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2020 18:30	OW
95-57-8	2-Chlorophenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications:	02/20/2020 08:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2020 18:30	OW
91-57-6	2-Methylnaphthalene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications:	02/20/2020 08:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2020 18:30	OW
95-48-7	2-Methylphenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications:	02/20/2020 08:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2020 18:30	OW
88-74-4	2-Nitroaniline	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications:	02/20/2020 08:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2020 18:30	OW
88-75-5	2-Nitrophenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications:	02/20/2020 08:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2020 18:30	OW
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications:	02/20/2020 08:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2020 18:30	OW
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications:	02/20/2020 08:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2020 18:30	OW
99-09-2	3-Nitroaniline	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications:	02/20/2020 08:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2020 18:30	OW
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications:	02/20/2020 08:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2020 18:30	OW
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications:	02/20/2020 08:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2020 18:30	OW
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications:	02/20/2020 08:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2020 18:30	OW
106-47-8	4-Chloroaniline	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications:	02/20/2020 08:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2020 18:30	OW
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications:	02/20/2020 08:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2020 18:30	OW
100-01-6	4-Nitroaniline	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications:	02/20/2020 08:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2020 18:30	OW
100-02-7	4-Nitrophenol	ND		ug/L	5.26	5.26	1	EPA 8270D Certifications:	02/20/2020 08:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2020 18:30	OW
98-86-2	Acetophenone	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications:	02/20/2020 08:45 NELAC-NY10854,NJDEP,PADEP	02/21/2020 18:30	OW
62-53-3	Aniline	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications:	02/20/2020 08:45 NELAC-NY10854,NJDEP,PADEP	02/21/2020 18:30	OW
100-52-7	Benzaldehyde	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications:	02/20/2020 08:45 NELAC-NY10854,NJDEP,PADEP	02/21/2020 18:30	OW
92-87-5	Benzidine	ND		ug/L	5.26	5.26	1	EPA 8270D Certifications:	02/20/2020 08:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2020 18:30	OW



Sample Information

Client Sample ID: MW-3

York Sample ID: 20B0608-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20B0608

130 Midland Avenue, Port Chester, New York

Water

February 14, 2020 12:00 am

02/18/2020

Semivolatiles, 8270 Comprehensive

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
65-85-0	Benzoic acid	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/20/2020 08:45	02/21/2020 18:30	OW
100-51-6	Benzyl alcohol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/20/2020 08:45	02/21/2020 18:30	OW
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/20/2020 08:45	02/21/2020 18:30	OW
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/20/2020 08:45	02/21/2020 18:30	OW
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.05	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/20/2020 08:45	02/21/2020 18:30	OW
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/20/2020 08:45	02/21/2020 18:30	OW
105-60-2	Caprolactam	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/20/2020 08:45	02/21/2020 18:30	OW
86-74-8	Carbazole	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/20/2020 08:45	02/21/2020 18:30	OW
132-64-9	Dibenzofuran	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/20/2020 08:45	02/21/2020 18:30	OW
84-66-2	Diethyl phthalate	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/20/2020 08:45	02/21/2020 18:30	OW
131-11-3	Dimethyl phthalate	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/20/2020 08:45	02/21/2020 18:30	OW
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/20/2020 08:45	02/21/2020 18:30	OW
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/20/2020 08:45	02/21/2020 18:30	OW
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	5.26	10.5	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/20/2020 08:45	02/21/2020 18:30	OW
78-59-1	Isophorone	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/20/2020 08:45	02/21/2020 18:30	OW
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/20/2020 08:45	02/21/2020 18:30	OW
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/20/2020 08:45	02/21/2020 18:30	OW
108-95-2	Phenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/20/2020 08:45	02/21/2020 18:30	OW
110-86-1	Pyridine	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/20/2020 08:45	02/21/2020 18:30	OW
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: SURR: 2-Fluorophenol	36.8 %	19.7-63.1								
4165-62-2	Surrogate: SURR: Phenol-d5	22.6 %	10.1-41.7								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	71.2 %	50.2-113								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	69.4 %	39.9-105								
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	102 %	39.3-151								
1718-51-0	Surrogate: SURR: Terphenyl-d14	97.5 %	30.7-106								



Sample Information

Client Sample ID: MW-3

York Sample ID: 20B0608-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20B0608

130 Midland Avenue, Port Chester, New York

Water

February 14, 2020 12:00 am

02/18/2020

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	2.08		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/20/2020 08:45	02/20/2020 17:49	OW
208-96-8	Acenaphthylene	0.295		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/20/2020 08:45	02/20/2020 17:49	OW
120-12-7	Anthracene	0.505		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/20/2020 08:45	02/20/2020 17:49	OW
1912-24-9	Atrazine	ND		ug/L	0.526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	02/20/2020 08:45	02/20/2020 17:49	OW
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/20/2020 08:45	02/20/2020 17:49	OW
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/20/2020 08:45	02/20/2020 17:49	OW
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/20/2020 08:45	02/20/2020 17:49	OW
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/20/2020 08:45	02/20/2020 17:49	OW
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/20/2020 08:45	02/20/2020 17:49	OW
117-81-7	Bis(2-ethylhexyl)phthalate	2.36	CCV-H	ug/L	0.526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	02/20/2020 08:45	02/20/2020 17:49	OW
218-01-9	Chrysene	ND		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/20/2020 08:45	02/20/2020 17:49	OW
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/20/2020 08:45	02/20/2020 17:49	OW
206-44-0	Fluoranthene	0.305		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/20/2020 08:45	02/20/2020 17:49	OW
86-73-7	Fluorene	1.65		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/20/2020 08:45	02/20/2020 17:49	OW
118-74-1	Hexachlorobenzene	ND		ug/L	0.0211	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	02/20/2020 08:45	02/20/2020 17:49	OW
87-68-3	Hexachlorobutadiene	ND		ug/L	0.526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	02/20/2020 08:45	02/20/2020 17:49	OW
67-72-1	Hexachloroethane	ND		ug/L	0.526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	02/20/2020 08:45	02/20/2020 17:49	OW
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/20/2020 08:45	02/20/2020 17:49	OW
91-20-3	Naphthalene	4.42		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/20/2020 08:45	02/20/2020 17:49	OW
98-95-3	Nitrobenzene	ND		ug/L	0.263	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	02/20/2020 08:45	02/20/2020 17:49	OW
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	02/20/2020 08:45	02/20/2020 17:49	OW
87-86-5	Pentachlorophenol	ND		ug/L	0.263	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	02/20/2020 08:45	02/20/2020 17:49	OW
85-01-8	Phenanthrene	0.600		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/20/2020 08:45	02/20/2020 17:49	OW



Sample Information

Client Sample ID: MW-3

York Sample ID: 20B0608-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20B0608

130 Midland Avenue, Port Chester, New York

Water

February 14, 2020 12:00 am

02/18/2020

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
129-00-0	Pyrene	0.232		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/20/2020 08:45	02/20/2020 17:49	OW

Semi-Volatiles, 1,4-Dioxane by 8270-SIM

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3535A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/L	0.200	1	EPA 8270D SIM Certifications: NJDEP,NELAC-NY10854	02/21/2020 02:30	02/25/2020 12:08	KH
Surrogate Recoveries		Result	Acceptance Range							
17647-74-4	Surrogate: 1,4-Dioxane-d8	80.0 %	36.6-118							

Sample Information

Client Sample ID: MW-4

York Sample ID: 20B0608-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20B0608

130 Midland Avenue, Port Chester, New York

Water

February 14, 2020 12:00 am

02/18/2020

Volatiles, 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	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 18:37	02/20/2020 20:04	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	02/20/2020 18:37	02/20/2020 20:04	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	02/20/2020 18:37	02/20/2020 20:04	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	02/20/2020 18:37	02/20/2020 20:04	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	02/20/2020 18:37	02/20/2020 20:04	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	02/20/2020 18:37	02/20/2020 20:04	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	02/20/2020 18:37	02/20/2020 20:04	LLJ
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	02/20/2020 18:37	02/20/2020 20:04	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	02/20/2020 18:37	02/20/2020 20:04	LLJ



Sample Information

Client Sample ID: MW-4

York Sample ID: 20B0608-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20B0608

130 Midland Avenue, Port Chester, New York

Water

February 14, 2020 12:00 am

02/18/2020

Volatiles, 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
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/20/2020 18:37 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 20:04	LLJ
95-93-2	* 1,2,4,5-Tetramethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/20/2020 18:37 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 20:04	LLJ
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/20/2020 18:37 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 20:04	LLJ
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/20/2020 18:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 20:04	LLJ
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/20/2020 18:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 20:04	LLJ
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/20/2020 18:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 20:04	LLJ
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/20/2020 18:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 20:04	LLJ
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/20/2020 18:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 20:04	LLJ
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/20/2020 18:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 20:04	LLJ
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/20/2020 18:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 20:04	LLJ
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/20/2020 18:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 20:04	LLJ
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/20/2020 18:37 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 20:04	LLJ
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/20/2020 18:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 20:04	LLJ
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications:	02/20/2020 18:37 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 20:04	LLJ
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/20/2020 18:37 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 20:04	LLJ
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/20/2020 18:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 20:04	LLJ
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/20/2020 18:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 20:04	LLJ
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/20/2020 18:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 20:04	LLJ
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/20/2020 18:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 20:04	LLJ
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/20/2020 18:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 20:04	LLJ
67-64-1	Acetone	1.56		ug/L	1.00	2.00	1	EPA 8260C Certifications:	02/20/2020 18:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 20:04	LLJ
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/20/2020 18:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 20:04	LLJ
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/20/2020 18:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 20:04	LLJ



Sample Information

Client Sample ID: MW-4

York Sample ID: 20B0608-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20B0608

130 Midland Avenue, Port Chester, New York

Water

February 14, 2020 12:00 am

02/18/2020

Volatiles, 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
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/20/2020 18:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 20:04	LLJ
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/20/2020 18:37 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 20:04	LLJ
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/20/2020 18:37 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 20:04	LLJ
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/20/2020 18:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 20:04	LLJ
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/20/2020 18:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 20:04	LLJ
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/20/2020 18:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 20:04	LLJ
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/20/2020 18:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 20:04	LLJ
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/20/2020 18:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 20:04	LLJ
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/20/2020 18:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 20:04	LLJ
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/20/2020 18:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 20:04	LLJ
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/20/2020 18:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 20:04	LLJ
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/20/2020 18:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 20:04	LLJ
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/20/2020 18:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 20:04	LLJ
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/20/2020 18:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 20:04	LLJ
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/20/2020 18:37 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 20:04	LLJ
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/20/2020 18:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 20:04	LLJ
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/20/2020 18:37 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 20:04	LLJ
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/20/2020 18:37 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 20:04	LLJ
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/20/2020 18:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 20:04	LLJ
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/20/2020 18:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 20:04	LLJ
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/20/2020 18:37 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 20:04	LLJ
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/20/2020 18:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 20:04	LLJ
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/20/2020 18:37 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 20:04	LLJ



Sample Information

Client Sample ID: MW-4

York Sample ID: 20B0608-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20B0608

130 Midland Avenue, Port Chester, New York

Water

February 14, 2020 12:00 am

02/18/2020

Volatiles, 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
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 18:37	02/20/2020 20:04	LLJ
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 18:37	02/20/2020 20:04	LLJ
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 18:37	02/20/2020 20:04	LLJ
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 18:37	02/20/2020 20:04	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	02/20/2020 18:37	02/20/2020 20:04	LLJ
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 18:37	02/20/2020 20:04	LLJ
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 18:37	02/20/2020 20:04	LLJ
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 18:37	02/20/2020 20:04	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	02/20/2020 18:37	02/20/2020 20:04	LLJ
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 18:37	02/20/2020 20:04	LLJ
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 18:37	02/20/2020 20:04	LLJ
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 18:37	02/20/2020 20:04	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	02/20/2020 18:37	02/20/2020 20:04	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	02/20/2020 18:37	02/20/2020 20:04	LLJ
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 18:37	02/20/2020 20:04	LLJ
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 18:37	02/20/2020 20:04	LLJ
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 18:37	02/20/2020 20:04	LLJ
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	02/20/2020 18:37	02/20/2020 20:04	LLJ
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURRE: 1,2-Dichloroethane-d4	102 %	69-130								
2037-26-5	Surrogate: SURRE: Toluene-d8	98.7 %	81-117								
460-00-4	Surrogate: SURRE: p-Bromofluorobenzene	99.4 %	79-122								

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: MW-4

York Sample ID: 20B0608-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20B0608

130 Midland Avenue, Port Chester, New York

Water

February 14, 2020 12:00 am

02/18/2020

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	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/20/2020 08:45	02/21/2020 19:00	OW
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/20/2020 08:45	02/21/2020 19:00	OW
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/20/2020 08:45	02/21/2020 19:00	OW
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/20/2020 08:45	02/21/2020 19:00	OW
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/20/2020 08:45	02/21/2020 19:00	OW
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/20/2020 08:45	02/21/2020 19:00	OW
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/20/2020 08:45	02/21/2020 19:00	OW
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/20/2020 08:45	02/21/2020 19:00	OW
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/20/2020 08:45	02/21/2020 19:00	OW
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/20/2020 08:45	02/21/2020 19:00	OW
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/20/2020 08:45	02/21/2020 19:00	OW
105-67-9	2,4-Dimethylphenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/20/2020 08:45	02/21/2020 19:00	OW
51-28-5	2,4-Dinitrophenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/20/2020 08:45	02/21/2020 19:00	OW
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/20/2020 08:45	02/21/2020 19:00	OW
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/20/2020 08:45	02/21/2020 19:00	OW
91-58-7	2-Chloronaphthalene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/20/2020 08:45	02/21/2020 19:00	OW
95-57-8	2-Chlorophenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/20/2020 08:45	02/21/2020 19:00	OW
91-57-6	2-Methylnaphthalene	4.44	J	ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/20/2020 08:45	02/21/2020 19:00	OW
95-48-7	2-Methylphenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/20/2020 08:45	02/21/2020 19:00	OW
88-74-4	2-Nitroaniline	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/20/2020 08:45	02/21/2020 19:00	OW
88-75-5	2-Nitrophenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/20/2020 08:45	02/21/2020 19:00	OW
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/20/2020 08:45	02/21/2020 19:00	OW
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/20/2020 08:45	02/21/2020 19:00	OW
99-09-2	3-Nitroaniline	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/20/2020 08:45	02/21/2020 19:00	OW



Sample Information

Client Sample ID: MW-4

York Sample ID: 20B0608-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20B0608

130 Midland Avenue, Port Chester, New York

Water

February 14, 2020 12:00 am

02/18/2020

Semivolatiles, 8270 Comprehensive

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
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications:	02/20/2020 08:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2020 19:00	OW
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications:	02/20/2020 08:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2020 19:00	OW
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications:	02/20/2020 08:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2020 19:00	OW
106-47-8	4-Chloroaniline	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications:	02/20/2020 08:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2020 19:00	OW
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications:	02/20/2020 08:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2020 19:00	OW
100-01-6	4-Nitroaniline	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications:	02/20/2020 08:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2020 19:00	OW
100-02-7	4-Nitrophenol	ND		ug/L	5.56	5.56	1	EPA 8270D Certifications:	02/20/2020 08:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2020 19:00	OW
98-86-2	Acetophenone	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications:	02/20/2020 08:45 NELAC-NY10854,NJDEP,PADEP	02/21/2020 19:00	OW
62-53-3	Aniline	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications:	02/20/2020 08:45 NELAC-NY10854,NJDEP,PADEP	02/21/2020 19:00	OW
100-52-7	Benzaldehyde	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications:	02/20/2020 08:45 NELAC-NY10854,NJDEP,PADEP	02/21/2020 19:00	OW
92-87-5	Benzidine	ND		ug/L	5.56	5.56	1	EPA 8270D Certifications:	02/20/2020 08:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2020 19:00	OW
65-85-0	Benzoic acid	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications:	02/20/2020 08:45 NELAC-NY10854,NJDEP,PADEP	02/21/2020 19:00	OW
100-51-6	Benzyl alcohol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications:	02/20/2020 08:45 NELAC-NY10854,NJDEP,PADEP	02/21/2020 19:00	OW
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications:	02/20/2020 08:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2020 19:00	OW
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications:	02/20/2020 08:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2020 19:00	OW
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.11	5.56	1	EPA 8270D Certifications:	02/20/2020 08:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2020 19:00	OW
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications:	02/20/2020 08:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2020 19:00	OW
105-60-2	Caprolactam	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications:	02/20/2020 08:45 NELAC-NY10854,NJDEP,PADEP	02/21/2020 19:00	OW
86-74-8	Carbazole	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications:	02/20/2020 08:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2020 19:00	OW
132-64-9	Dibenzofuran	3.98	J	ug/L	2.78	5.56	1	EPA 8270D Certifications:	02/20/2020 08:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2020 19:00	OW
84-66-2	Diethyl phthalate	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications:	02/20/2020 08:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2020 19:00	OW
131-11-3	Dimethyl phthalate	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications:	02/20/2020 08:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2020 19:00	OW
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications:	02/20/2020 08:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2020 19:00	OW



Sample Information

Client Sample ID: MW-4

York Sample ID: 20B0608-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20B0608

130 Midland Avenue, Port Chester, New York

Water

February 14, 2020 12:00 am

02/18/2020

Semivolatiles, 8270 Comprehensive

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
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/20/2020 08:45	02/21/2020 19:00	OW
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	5.56	11.1	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/20/2020 08:45	02/21/2020 19:00	OW
78-59-1	Isophorone	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/20/2020 08:45	02/21/2020 19:00	OW
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/20/2020 08:45	02/21/2020 19:00	OW
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/20/2020 08:45	02/21/2020 19:00	OW
108-95-2	Phenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/20/2020 08:45	02/21/2020 19:00	OW
110-86-1	Pyridine	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/20/2020 08:45	02/21/2020 19:00	OW
Surrogate Recoveries		Result			Acceptance Range						
367-12-4	Surrogate: SURR: 2-Fluorophenol	37.2 %			19.7-63.1						
4165-62-2	Surrogate: SURR: Phenol-d5	22.1 %			10.1-41.7						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	67.4 %			50.2-113						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	63.4 %			39.9-105						
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	93.9 %			39.3-151						
1718-51-0	Surrogate: SURR: Terphenyl-d14	95.4 %			30.7-106						

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	5.17		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/20/2020 08:45	02/20/2020 18:20	OW
208-96-8	Acenaphthylene	1.00		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/20/2020 08:45	02/20/2020 18:20	OW
120-12-7	Anthracene	0.689		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/20/2020 08:45	02/20/2020 18:20	OW
1912-24-9	Atrazine	ND		ug/L	0.556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	02/20/2020 08:45	02/20/2020 18:20	OW
56-55-3	Benzo(a)anthracene	0.0778		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/20/2020 08:45	02/20/2020 18:20	OW
50-32-8	Benzo(a)pyrene	0.0556		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/20/2020 08:45	02/20/2020 18:20	OW
205-99-2	Benzo(b)fluoranthene	0.0556		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/20/2020 08:45	02/20/2020 18:20	OW
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/20/2020 08:45	02/20/2020 18:20	OW
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/20/2020 08:45	02/20/2020 18:20	OW



Sample Information

Client Sample ID: MW-4

York Sample ID: 20B0608-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20B0608

130 Midland Avenue, Port Chester, New York

Water

February 14, 2020 12:00 am

02/18/2020

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	0.556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	02/20/2020 08:45	02/20/2020 18:20	OW
218-01-9	Chrysene	0.0556		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/20/2020 08:45	02/20/2020 18:20	OW
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/20/2020 08:45	02/20/2020 18:20	OW
206-44-0	Fluoranthene	0.811		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/20/2020 08:45	02/20/2020 18:20	OW
86-73-7	Fluorene	5.19		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/20/2020 08:45	02/20/2020 18:20	OW
118-74-1	Hexachlorobenzene	ND		ug/L	0.0222	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	02/20/2020 08:45	02/20/2020 18:20	OW
87-68-3	Hexachlorobutadiene	ND		ug/L	0.556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	02/20/2020 08:45	02/20/2020 18:20	OW
67-72-1	Hexachloroethane	ND		ug/L	0.556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	02/20/2020 08:45	02/20/2020 18:20	OW
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/20/2020 08:45	02/20/2020 18:20	OW
91-20-3	Naphthalene	4.41		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/20/2020 08:45	02/20/2020 18:20	OW
98-95-3	Nitrobenzene	ND		ug/L	0.278	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	02/20/2020 08:45	02/20/2020 18:20	OW
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	02/20/2020 08:45	02/20/2020 18:20	OW
87-86-5	Pentachlorophenol	ND		ug/L	0.278	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	02/20/2020 08:45	02/20/2020 18:20	OW
85-01-8	Phenanthrene	5.33		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/20/2020 08:45	02/20/2020 18:20	OW
129-00-0	Pyrene	0.456		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/20/2020 08:45	02/20/2020 18:20	OW

Semi-Volatiles, 1,4-Dioxane by 8270-SIM

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3535A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/L	0.200	1	EPA 8270D SIM Certifications: NJDEP,NELAC-NY10854	02/21/2020 02:30	02/25/2020 12:26	KH
	Surrogate Recoveries	Result					Acceptance Range			
17647-74-4	Surrogate: 1,4-Dioxane-d8	76.0 %					36.6-118			



Sample Information

Client Sample ID: MW-6

York Sample ID: 20B0608-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20B0608

130 Midland Avenue, Port Chester, New York

Water

February 14, 2020 12:00 am

02/18/2020

Volatiles, 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	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 18:37	02/20/2020 20:30	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	02/20/2020 18:37	02/20/2020 20:30	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	02/20/2020 18:37	02/20/2020 20:30	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	02/20/2020 18:37	02/20/2020 20:30	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	02/20/2020 18:37	02/20/2020 20:30	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	02/20/2020 18:37	02/20/2020 20:30	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	02/20/2020 18:37	02/20/2020 20:30	LLJ
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	02/20/2020 18:37	02/20/2020 20:30	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	02/20/2020 18:37	02/20/2020 20:30	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	02/20/2020 18:37	02/20/2020 20:30	LLJ
95-93-2	* 1,2,4,5-Tetramethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/20/2020 18:37	02/20/2020 20:30	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	02/20/2020 18:37	02/20/2020 20:30	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	02/20/2020 18:37	02/20/2020 20:30	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	02/20/2020 18:37	02/20/2020 20:30	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	02/20/2020 18:37	02/20/2020 20:30	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	02/20/2020 18:37	02/20/2020 20:30	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	02/20/2020 18:37	02/20/2020 20:30	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	02/20/2020 18:37	02/20/2020 20:30	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	02/20/2020 18:37	02/20/2020 20:30	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	02/20/2020 18:37	02/20/2020 20:30	LLJ
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 18:37	02/20/2020 20:30	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	02/20/2020 18:37	02/20/2020 20:30	LLJ
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 18:37	02/20/2020 20:30	LLJ



Sample Information

Client Sample ID: MW-6

York Sample ID: 20B0608-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20B0608

130 Midland Avenue, Port Chester, New York

Water

February 14, 2020 12:00 am

02/18/2020

Volatiles, 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
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 18:37	02/20/2020 20:30	LLJ
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 18:37	02/20/2020 20:30	LLJ
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 18:37	02/20/2020 20:30	LLJ
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 18:37	02/20/2020 20:30	LLJ
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 18:37	02/20/2020 20:30	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	02/20/2020 18:37	02/20/2020 20:30	LLJ
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 18:37	02/20/2020 20:30	LLJ
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 18:37	02/20/2020 20:30	LLJ
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 18:37	02/20/2020 20:30	LLJ
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 18:37	02/20/2020 20:30	LLJ
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 18:37	02/20/2020 20:30	LLJ
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 18:37	02/20/2020 20:30	LLJ
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 18:37	02/20/2020 20:30	LLJ
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 18:37	02/20/2020 20:30	LLJ
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 18:37	02/20/2020 20:30	LLJ
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 18:37	02/20/2020 20:30	LLJ
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 18:37	02/20/2020 20:30	LLJ
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 18:37	02/20/2020 20:30	LLJ
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 18:37	02/20/2020 20:30	LLJ
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 18:37	02/20/2020 20:30	LLJ
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 18:37	02/20/2020 20:30	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	02/20/2020 18:37	02/20/2020 20:30	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	02/20/2020 18:37	02/20/2020 20:30	LLJ



Sample Information

Client Sample ID: MW-6

York Sample ID: 20B0608-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20B0608

130 Midland Avenue, Port Chester, New York

Water

February 14, 2020 12:00 am

02/18/2020

Volatiles, 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
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/20/2020 18:37 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 20:30	LLJ
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/20/2020 18:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 20:30	LLJ
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/20/2020 18:37 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 20:30	LLJ
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/20/2020 18:37 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 20:30	LLJ
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/20/2020 18:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 20:30	LLJ
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/20/2020 18:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 20:30	LLJ
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/20/2020 18:37 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 20:30	LLJ
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/20/2020 18:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 20:30	LLJ
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/20/2020 18:37 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 20:30	LLJ
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications:	02/20/2020 18:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 20:30	LLJ
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/20/2020 18:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 20:30	LLJ
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/20/2020 18:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 20:30	LLJ
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/20/2020 18:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 20:30	LLJ
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications:	02/20/2020 18:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 20:30	LLJ
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/20/2020 18:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 20:30	LLJ
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/20/2020 18:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 20:30	LLJ
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/20/2020 18:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 20:30	LLJ
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications:	02/20/2020 18:37 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 20:30	LLJ
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/20/2020 18:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 20:30	LLJ
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/20/2020 18:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 20:30	LLJ
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/20/2020 18:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 20:30	LLJ
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/20/2020 18:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 20:30	LLJ
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/20/2020 18:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 20:30	LLJ



Sample Information

Client Sample ID: MW-6

York Sample ID: 20B0608-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20B0608

130 Midland Avenue, Port Chester, New York

Water

February 14, 2020 12:00 am

02/18/2020

Volatiles, 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
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 18:37	02/20/2020 20:30	LLJ
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 18:37	02/20/2020 20:30	LLJ
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/20/2020 18:37	02/20/2020 20:30	LLJ
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	02/20/2020 18:37	02/20/2020 20:30	LLJ
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	104 %	69-130								
2037-26-5	Surrogate: SURR: Toluene-d8	96.6 %	81-117								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	102 %	79-122								

Semivolatiles, 8270 Comprehensive

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	02/20/2020 08:45	02/21/2020 19:30	OW
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/20/2020 08:45	02/21/2020 19:30	OW
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/20/2020 08:45	02/21/2020 19:30	OW
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/20/2020 08:45	02/21/2020 19:30	OW
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/20/2020 08:45	02/21/2020 19:30	OW
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/20/2020 08:45	02/21/2020 19:30	OW
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/20/2020 08:45	02/21/2020 19:30	OW
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/20/2020 08:45	02/21/2020 19:30	OW
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/20/2020 08:45	02/21/2020 19:30	OW
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/20/2020 08:45	02/21/2020 19:30	OW
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/20/2020 08:45	02/21/2020 19:30	OW
105-67-9	2,4-Dimethylphenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/20/2020 08:45	02/21/2020 19:30	OW
51-28-5	2,4-Dinitrophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/20/2020 08:45	02/21/2020 19:30	OW



Sample Information

Client Sample ID: MW-6

York Sample ID: 20B0608-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20B0608

130 Midland Avenue, Port Chester, New York

Water

February 14, 2020 12:00 am

02/18/2020

Semivolatiles, 8270 Comprehensive

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:	02/20/2020 08:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2020 19:30	OW
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	02/20/2020 08:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2020 19:30	OW
91-58-7	2-Chloronaphthalene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	02/20/2020 08:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2020 19:30	OW
95-57-8	2-Chlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	02/20/2020 08:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2020 19:30	OW
91-57-6	2-Methylnaphthalene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	02/20/2020 08:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2020 19:30	OW
95-48-7	2-Methylphenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	02/20/2020 08:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2020 19:30	OW
88-74-4	2-Nitroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	02/20/2020 08:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2020 19:30	OW
88-75-5	2-Nitrophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	02/20/2020 08:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2020 19:30	OW
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	02/20/2020 08:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2020 19:30	OW
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	02/20/2020 08:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2020 19:30	OW
99-09-2	3-Nitroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	02/20/2020 08:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2020 19:30	OW
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	02/20/2020 08:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2020 19:30	OW
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	02/20/2020 08:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2020 19:30	OW
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	02/20/2020 08:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2020 19:30	OW
106-47-8	4-Chloroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	02/20/2020 08:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2020 19:30	OW
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	02/20/2020 08:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2020 19:30	OW
100-01-6	4-Nitroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	02/20/2020 08:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2020 19:30	OW
100-02-7	4-Nitrophenol	ND		ug/L	5.13	5.13	1	EPA 8270D Certifications:	02/20/2020 08:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2020 19:30	OW
98-86-2	Acetophenone	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	02/20/2020 08:45 NELAC-NY10854,NJDEP,PADEP	02/21/2020 19:30	OW
62-53-3	Aniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	02/20/2020 08:45 NELAC-NY10854,NJDEP,PADEP	02/21/2020 19:30	OW
100-52-7	Benzaldehyde	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	02/20/2020 08:45 NELAC-NY10854,NJDEP,PADEP	02/21/2020 19:30	OW
92-87-5	Benzidine	ND		ug/L	5.13	5.13	1	EPA 8270D Certifications:	02/20/2020 08:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2020 19:30	OW
65-85-0	Benzoic acid	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	02/20/2020 08:45 NELAC-NY10854,NJDEP,PADEP	02/21/2020 19:30	OW



Sample Information

Client Sample ID: MW-6

York Sample ID: 20B0608-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20B0608

130 Midland Avenue, Port Chester, New York

Water

February 14, 2020 12:00 am

02/18/2020

Semivolatiles, 8270 Comprehensive

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
100-51-6	Benzyl alcohol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/20/2020 08:45	02/21/2020 19:30	OW
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/20/2020 08:45	02/21/2020 19:30	OW
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/20/2020 08:45	02/21/2020 19:30	OW
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.03	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/20/2020 08:45	02/21/2020 19:30	OW
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/20/2020 08:45	02/21/2020 19:30	OW
105-60-2	Caprolactam	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/20/2020 08:45	02/21/2020 19:30	OW
86-74-8	Carbazole	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/20/2020 08:45	02/21/2020 19:30	OW
132-64-9	Dibenzofuran	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/20/2020 08:45	02/21/2020 19:30	OW
84-66-2	Diethyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/20/2020 08:45	02/21/2020 19:30	OW
131-11-3	Dimethyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/20/2020 08:45	02/21/2020 19:30	OW
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/20/2020 08:45	02/21/2020 19:30	OW
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/20/2020 08:45	02/21/2020 19:30	OW
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	5.13	10.3	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/20/2020 08:45	02/21/2020 19:30	OW
78-59-1	Isophorone	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/20/2020 08:45	02/21/2020 19:30	OW
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/20/2020 08:45	02/21/2020 19:30	OW
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/20/2020 08:45	02/21/2020 19:30	OW
108-95-2	Phenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/20/2020 08:45	02/21/2020 19:30	OW
110-86-1	Pyridine	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/20/2020 08:45	02/21/2020 19:30	OW
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: SURR: 2-Fluorophenol	35.3 %	19.7-63.1								
4165-62-2	Surrogate: SURR: Phenol-d5	21.0 %	10.1-41.7								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	67.4 %	50.2-113								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	60.7 %	39.9-105								
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	83.7 %	39.3-151								
1718-51-0	Surrogate: SURR: Terphenyl-d14	91.3 %	30.7-106								

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: MW-6

York Sample ID: 20B0608-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20B0608

130 Midland Avenue, Port Chester, New York

Water

February 14, 2020 12:00 am

02/18/2020

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	0.164		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/20/2020 08:45	02/20/2020 18:51	OW
208-96-8	Acenaphthylene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/20/2020 08:45	02/20/2020 18:51	OW
120-12-7	Anthracene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/20/2020 08:45	02/20/2020 18:51	OW
1912-24-9	Atrazine	ND		ug/L	0.513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	02/20/2020 08:45	02/20/2020 18:51	OW
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/20/2020 08:45	02/20/2020 18:51	OW
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/20/2020 08:45	02/20/2020 18:51	OW
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/20/2020 08:45	02/20/2020 18:51	OW
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/20/2020 08:45	02/20/2020 18:51	OW
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/20/2020 08:45	02/20/2020 18:51	OW
117-81-7	Bis(2-ethylhexyl)phthalate	1.47	CCV-H	ug/L	0.513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	02/20/2020 08:45	02/20/2020 18:51	OW
218-01-9	Chrysene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/20/2020 08:45	02/20/2020 18:51	OW
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/20/2020 08:45	02/20/2020 18:51	OW
206-44-0	Fluoranthene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/20/2020 08:45	02/20/2020 18:51	OW
86-73-7	Fluorene	0.144		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/20/2020 08:45	02/20/2020 18:51	OW
118-74-1	Hexachlorobenzene	ND		ug/L	0.0205	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	02/20/2020 08:45	02/20/2020 18:51	OW
87-68-3	Hexachlorobutadiene	ND		ug/L	0.513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	02/20/2020 08:45	02/20/2020 18:51	OW
67-72-1	Hexachloroethane	ND		ug/L	0.513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	02/20/2020 08:45	02/20/2020 18:51	OW
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/20/2020 08:45	02/20/2020 18:51	OW
91-20-3	Naphthalene	0.277		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/20/2020 08:45	02/20/2020 18:51	OW
98-95-3	Nitrobenzene	ND		ug/L	0.256	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	02/20/2020 08:45	02/20/2020 18:51	OW
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	02/20/2020 08:45	02/20/2020 18:51	OW
87-86-5	Pentachlorophenol	ND		ug/L	0.256	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	02/20/2020 08:45	02/20/2020 18:51	OW
85-01-8	Phenanthrene	0.103		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/20/2020 08:45	02/20/2020 18:51	OW
129-00-0	Pyrene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/20/2020 08:45	02/20/2020 18:51	OW



Sample Information

Client Sample ID: MW-6

York Sample ID: 20B0608-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20B0608

130 Midland Avenue, Port Chester, New York

Water

February 14, 2020 12:00 am

02/18/2020

Semi-Volatiles, 1,4-Dioxane by 8270-SIM

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3535A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/L	0.200	1	EPA 8270D SIM Certifications: NJDEP,NELAC-NY10854	02/21/2020 02:30	02/25/2020 12:44	KH
Surrogate Recoveries		Result		Acceptance Range						
17647-74-4	Surrogate: 1,4-Dioxane-d8	88.0 %		36.6-118						



Analytical Batch Summary

Batch ID: BB00953

Preparation Method: EPA 3510C

Prepared By: TSS

YORK Sample ID	Client Sample ID	Preparation Date
20B0608-01	MW-3	02/20/20
20B0608-02	MW-4	02/20/20
20B0608-03	MW-6	02/20/20
BB00953-BLK1	Blank	02/20/20
BB00953-BLK2	Blank	02/20/20
BB00953-BS1	LCS	02/20/20
BB00953-BS2	LCS	02/20/20
BB00953-BSD1	LCS Dup	02/20/20

Batch ID: BB01007

Preparation Method: EPA 5030B

Prepared By: TMP

YORK Sample ID	Client Sample ID	Preparation Date
20B0608-01	MW-3	02/20/20
20B0608-02	MW-4	02/20/20
20B0608-03	MW-6	02/20/20
BB01007-BLK1	Blank	02/20/20
BB01007-BS1	LCS	02/20/20
BB01007-BSD1	LCS Dup	02/20/20

Batch ID: BB01100

Preparation Method: EPA 3535A

Prepared By: CTD

YORK Sample ID	Client Sample ID	Preparation Date
20B0608-01	MW-3	02/21/20
20B0608-02	MW-4	02/21/20
20B0608-03	MW-6	02/21/20
BB01100-BLK1	Blank	02/21/20
BB01100-BS1	LCS	02/21/20
BB01100-MS1	Matrix Spike	02/21/20
BB01100-MSD1	Matrix Spike Dup	02/21/20



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 BB01007 - EPA 5030B											
Blank (BB01007-BLK1)						Prepared & Analyzed: 02/20/2020					
1,1,1,2-Tetrachloroethane	ND	0.500	ug/L								
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	"								
1,1-Dichloropropylene	ND	0.500	"								
1,2,3-Trichlorobenzene	ND	0.500	"								
1,2,3-Trichloropropane	ND	0.500	"								
1,2,4,5-Tetramethylbenzene	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	"								
1,3-Dichloropropane	ND	0.500	"								
1,4-Dichlorobenzene	ND	0.500	"								
1,4-Dioxane	ND	80.0	"								
2,2-Dichloropropane	ND	0.500	"								
2-Butanone	ND	0.500	"								
2-Chlorotoluene	ND	0.500	"								
2-Hexanone	ND	0.500	"								
4-Chlorotoluene	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	"								
Bromobenzene	ND	0.500	"								
Bromochloromethane	ND	0.500	"								
Bromodichloromethane	ND	0.500	"								
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	"								



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 BB01007 - EPA 5030B

Blank (BB01007-BLK1)

Prepared & Analyzed: 02/20/2020

Dichlorodifluoromethane	ND	0.500	ug/L
Ethyl Benzene	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	10.2	"	10.0	102	69-130
Surrogate: SURR: Toluene-d8	9.77	"	10.0	97.7	81-117
Surrogate: SURR: p-Bromofluorobenzene	9.94	"	10.0	99.4	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 BB01007 - EPA 5030B											
LCS (BB01007-BS1)						Prepared & Analyzed: 02/20/2020					
1,1,1,2-Tetrachloroethane	9.50		ug/L	10.0		95.0	82-126				
1,1,1-Trichloroethane	10.5		"	10.0		105	78-136				
1,1,2,2-Tetrachloroethane	10.6		"	10.0		106	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.4		"	10.0		114	54-165				
1,1,2-Trichloroethane	9.79		"	10.0		97.9	82-123				
1,1-Dichloroethane	10.3		"	10.0		103	82-129				
1,1-Dichloroethylene	10.5		"	10.0		105	68-138				
1,1-Dichloropropylene	10.2		"	10.0		102	83-133				
1,2,3-Trichlorobenzene	6.87		"	10.0		68.7	76-136	Low Bias			
1,2,3-Trichloropropane	10.6		"	10.0		106	77-128				
1,2,4,5-Tetramethylbenzene	9.54		"	10.0		95.4	85-140				
1,2,4-Trichlorobenzene	7.98		"	10.0		79.8	76-137				
1,2,4-Trimethylbenzene	10.7		"	10.0		107	82-132				
1,2-Dibromo-3-chloropropane	9.60		"	10.0		96.0	45-147				
1,2-Dibromoethane	9.68		"	10.0		96.8	83-124				
1,2-Dichlorobenzene	10.3		"	10.0		103	79-123				
1,2-Dichloroethane	10.6		"	10.0		106	73-132				
1,2-Dichloropropane	9.88		"	10.0		98.8	78-126				
1,3,5-Trimethylbenzene	10.8		"	10.0		108	80-131				
1,3-Dichlorobenzene	10.2		"	10.0		102	86-122				
1,3-Dichloropropane	9.57		"	10.0		95.7	81-125				
1,4-Dichlorobenzene	10.0		"	10.0		100	85-124				
1,4-Dioxane	134		"	210		63.7	10-349				
2,2-Dichloropropane	9.55		"	10.0		95.5	56-150				
2-Butanone	8.99		"	10.0		89.9	49-152				
2-Chlorotoluene	10.6		"	10.0		106	79-130				
2-Hexanone	9.05		"	10.0		90.5	51-146				
4-Chlorotoluene	10.6		"	10.0		106	79-128				
4-Methyl-2-pentanone	9.63		"	10.0		96.3	57-145				
Acetone	10.4		"	10.0		104	14-150				
Acrolein	7.76		"	100		7.76	10-153	Low Bias			
Acrylonitrile	15.0		"	10.0		150	51-150				
Benzene	10.0		"	10.0		100	85-126				
Bromobenzene	10.2		"	10.0		102	78-129				
Bromochloromethane	9.49		"	10.0		94.9	77-128				
Bromodichloromethane	9.77		"	10.0		97.7	79-128				
Bromoform	9.52		"	10.0		95.2	78-133				
Bromomethane	16.7		"	10.0		167	43-168				
Carbon disulfide	8.66		"	10.0		86.6	68-146				
Carbon tetrachloride	8.78		"	10.0		87.8	77-141				
Chlorobenzene	9.88		"	10.0		98.8	88-120				
Chloroethane	9.57		"	10.0		95.7	65-136				
Chloroform	10.5		"	10.0		105	82-128				
Chloromethane	9.95		"	10.0		99.5	43-155				
cis-1,2-Dichloroethylene	10.1		"	10.0		101	83-129				
cis-1,3-Dichloropropylene	9.33		"	10.0		93.3	80-131				
Cyclohexane	4.27		"	10.0		42.7	63-149	Low Bias			
Dibromochloromethane	9.75		"	10.0		97.5	80-130				
Dibromomethane	9.94		"	10.0		99.4	72-134				
Dichlorodifluoromethane	9.00		"	10.0		90.0	44-144				



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 BB01007 - EPA 5030B

LCS (BB01007-BS1)

Prepared & Analyzed: 02/20/2020

Ethyl Benzene	10.2		ug/L	10.0		102	80-131				
Isopropylbenzene	10.6		"	10.0		106	76-140				
Methyl acetate	8.42		"	10.0		84.2	51-139				
Methyl tert-butyl ether (MTBE)	9.62		"	10.0		96.2	76-135				
Methylcyclohexane	9.92		"	10.0		99.2	72-143				
Methylene chloride	9.08		"	10.0		90.8	55-137				
n-Butylbenzene	10.4		"	10.0		104	79-132				
n-Propylbenzene	10.2		"	10.0		102	78-133				
o-Xylene	10.4		"	10.0		104	78-130				
p- & m- Xylenes	20.3		"	20.0		102	77-133				
p-Isopropyltoluene	10.4		"	10.0		104	81-136				
sec-Butylbenzene	10.9		"	10.0		109	79-137				
Styrene	10.3		"	10.0		103	67-132				
tert-Butyl alcohol (TBA)	41.2		"	50.0		82.4	25-162				
tert-Butylbenzene	9.06		"	10.0		90.6	77-138				
Tetrachloroethylene	8.98		"	10.0		89.8	82-131				
Toluene	9.95		"	10.0		99.5	80-127				
trans-1,2-Dichloroethylene	10.1		"	10.0		101	80-132				
trans-1,3-Dichloropropylene	8.98		"	10.0		89.8	78-131				
Trichloroethylene	9.99		"	10.0		99.9	82-128				
Trichlorofluoromethane	9.45		"	10.0		94.5	67-139				
Vinyl Chloride	9.56		"	10.0		95.6	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	10.1		"	10.0		101	69-130				
Surrogate: SURR: Toluene-d8	9.86		"	10.0		98.6	81-117				
Surrogate: SURR: p-Bromofluorobenzene	10.5		"	10.0		105	79-122				

LCS Dup (BB01007-BSD1)

Prepared & Analyzed: 02/20/2020

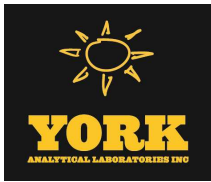
1,1,1,2-Tetrachloroethane	9.81		ug/L	10.0		98.1	82-126		3.21	30	
1,1,1-Trichloroethane	10.6		"	10.0		106	78-136		0.380	30	
1,1,2,2-Tetrachloroethane	10.5		"	10.0		105	76-129		0.951	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.6		"	10.0		106	54-165		6.73	30	
1,1,2-Trichloroethane	9.45		"	10.0		94.5	82-123		3.53	30	
1,1-Dichloroethane	9.73		"	10.0		97.3	82-129		5.69	30	
1,1-Dichloroethylene	9.91		"	10.0		99.1	68-138		5.88	30	
1,1-Dichloropropylene	9.97		"	10.0		99.7	83-133		2.18	30	
1,2,3-Trichlorobenzene	7.15		"	10.0		71.5	76-136	Low Bias	3.99	30	
1,2,3-Trichloropropane	10.8		"	10.0		108	77-128		2.06	30	
1,2,4,5-Tetramethylbenzene	9.53		"	10.0		95.3	85-140		0.105	30	
1,2,4-Trichlorobenzene	8.15		"	10.0		81.5	76-137		2.11	30	
1,2,4-Trimethylbenzene	10.3		"	10.0		103	82-132		3.14	30	
1,2-Dibromo-3-chloropropane	9.60		"	10.0		96.0	45-147		0.00	30	
1,2-Dibromoethane	9.42		"	10.0		94.2	83-124		2.72	30	
1,2-Dichlorobenzene	10.0		"	10.0		100	79-123		2.36	30	
1,2-Dichloroethane	10.2		"	10.0		102	73-132		3.75	30	
1,2-Dichloropropane	9.44		"	10.0		94.4	78-126		4.55	30	
1,3,5-Trimethylbenzene	10.5		"	10.0		105	80-131		3.10	30	
1,3-Dichlorobenzene	10.0		"	10.0		100	86-122		1.78	30	
1,3-Dichloropropane	9.59		"	10.0		95.9	81-125		0.209	30	
1,4-Dichlorobenzene	9.91		"	10.0		99.1	85-124		1.40	30	
1,4-Dioxane	150		"	210		71.6	10-349		11.8	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 BB01007 - EPA 5030B											
LCS Dup (BB01007-BSD1)						Prepared & Analyzed: 02/20/2020					
2,2-Dichloropropane	9.90		ug/L	10.0		99.0	56-150		3.60	30	
2-Butanone	8.96		"	10.0		89.6	49-152		0.334	30	
2-Chlorotoluene	10.4		"	10.0		104	79-130		1.05	30	
2-Hexanone	9.09		"	10.0		90.9	51-146		0.441	30	
4-Chlorotoluene	10.1		"	10.0		101	79-128		4.72	30	
4-Methyl-2-pentanone	9.10		"	10.0		91.0	57-145		5.66	30	
Acetone	9.09		"	10.0		90.9	14-150		13.8	30	
Acrolein	6.40		"	100		6.40	10-153	Low Bias	19.2	30	
Acrylonitrile	13.9		"	10.0		139	51-150		7.62	30	
Benzene	9.60		"	10.0		96.0	85-126		4.28	30	
Bromobenzene	10.3		"	10.0		103	78-129		0.782	30	
Bromochloromethane	9.45		"	10.0		94.5	77-128		0.422	30	
Bromodichloromethane	9.84		"	10.0		98.4	79-128		0.714	30	
Bromoform	9.70		"	10.0		97.0	78-133		1.87	30	
Bromomethane	16.6		"	10.0		166	43-168		1.02	30	
Carbon disulfide	7.97		"	10.0		79.7	68-146		8.30	30	
Carbon tetrachloride	9.41		"	10.0		94.1	77-141		6.93	30	
Chlorobenzene	9.45		"	10.0		94.5	88-120		4.45	30	
Chloroethane	8.77		"	10.0		87.7	65-136		8.72	30	
Chloroform	10.4		"	10.0		104	82-128		1.06	30	
Chloromethane	8.95		"	10.0		89.5	43-155		10.6	30	
cis-1,2-Dichloroethylene	10.0		"	10.0		100	83-129		1.09	30	
cis-1,3-Dichloropropylene	9.42		"	10.0		94.2	80-131		0.960	30	
Cyclohexane	4.12		"	10.0		41.2	63-149	Low Bias	3.58	30	
Dibromochloromethane	9.85		"	10.0		98.5	80-130		1.02	30	
Dibromomethane	9.64		"	10.0		96.4	72-134		3.06	30	
Dichlorodifluoromethane	8.81		"	10.0		88.1	44-144		2.13	30	
Ethyl Benzene	9.72		"	10.0		97.2	80-131		4.72	30	
Isopropylbenzene	10.4		"	10.0		104	76-140		2.00	30	
Methyl acetate	8.34		"	10.0		83.4	51-139		0.955	30	
Methyl tert-butyl ether (MTBE)	9.64		"	10.0		96.4	76-135		0.208	30	
Methylcyclohexane	9.29		"	10.0		92.9	72-143		6.56	30	
Methylene chloride	9.06		"	10.0		90.6	55-137		0.221	30	
n-Butylbenzene	10.2		"	10.0		102	79-132		1.56	30	
n-Propylbenzene	10.1		"	10.0		101	78-133		0.688	30	
o-Xylene	9.69		"	10.0		96.9	78-130		6.97	30	
p- & m- Xylenes	19.3		"	20.0		96.7	77-133		4.94	30	
p-Isopropyltoluene	10.3		"	10.0		103	81-136		0.772	30	
sec-Butylbenzene	10.5		"	10.0		105	79-137		3.75	30	
Styrene	10.2		"	10.0		102	67-132		1.37	30	
tert-Butyl alcohol (TBA)	40.3		"	50.0		80.6	25-162		2.26	30	
tert-Butylbenzene	8.80		"	10.0		88.0	77-138		2.91	30	
Tetrachloroethylene	8.50		"	10.0		85.0	82-131		5.49	30	
Toluene	9.55		"	10.0		95.5	80-127		4.10	30	
trans-1,2-Dichloroethylene	9.49		"	10.0		94.9	80-132		6.23	30	
trans-1,3-Dichloropropylene	9.18		"	10.0		91.8	78-131		2.20	30	
Trichloroethylene	9.22		"	10.0		92.2	82-128		8.02	30	
Trichlorofluoromethane	9.60		"	10.0		96.0	67-139		1.57	30	
Vinyl Chloride	9.95		"	10.0		99.5	58-145		4.00	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	10.3		"	10.0		103	69-130				
Surrogate: SURR: Toluene-d8	9.46		"	10.0		94.6	81-117				



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 BB01007 - EPA 5030B											
LCS Dup (BB01007-BSD1)						Prepared & Analyzed: 02/20/2020					
Surrogate: SURR: p-Bromofluorobenzene	10.7		ug/L	10.0		107	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 BB00953 - EPA 3510C

Blank (BB00953-BLK1)

Prepared: 02/20/2020 Analyzed: 02/21/2020

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	5.00	"
2,4,5-Trichlorophenol	ND	5.00	"
2,4,6-Trichlorophenol	ND	5.00	"
2,4-Dichlorophenol	ND	5.00	"
2,4-Dimethylphenol	ND	5.00	"
2,4-Dinitrophenol	ND	5.00	"
2,4-Dinitrotoluene	ND	5.00	"
2,6-Dinitrotoluene	ND	5.00	"
2-Chloronaphthalene	ND	5.00	"
2-Chlorophenol	ND	5.00	"
2-Methylnaphthalene	ND	5.00	"
2-Methylphenol	ND	5.00	"
2-Nitroaniline	ND	5.00	"
2-Nitrophenol	ND	5.00	"
3- & 4-Methylphenols	ND	5.00	"
3,3-Dichlorobenzidine	ND	5.00	"
3-Nitroaniline	ND	5.00	"
4,6-Dinitro-2-methylphenol	ND	5.00	"
4-Bromophenyl phenyl ether	ND	5.00	"
4-Chloro-3-methylphenol	ND	5.00	"
4-Chloroaniline	ND	5.00	"
4-Chlorophenyl phenyl ether	ND	5.00	"
4-Nitroaniline	ND	5.00	"
4-Nitrophenol	ND	5.00	"
Acetophenone	ND	5.00	"
Aniline	ND	5.00	"
Benzaldehyde	ND	5.00	"
Benzidine	ND	5.00	"
Benzoic acid	ND	5.00	"
Benzyl alcohol	ND	5.00	"
Benzyl butyl phthalate	ND	5.00	"
Bis(2-chloroethoxy)methane	ND	5.00	"
Bis(2-chloroethyl)ether	ND	5.00	"
Bis(2-chloroisopropyl)ether	ND	5.00	"
Caprolactam	ND	5.00	"
Carbazole	ND	5.00	"
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	"
Hexachlorocyclopentadiene	ND	10.0	"
Isophorone	ND	5.00	"
N-nitroso-di-n-propylamine	ND	5.00	"



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 BB00953 - EPA 3510C

Blank (BB00953-BLK1)

Prepared: 02/20/2020 Analyzed: 02/21/2020

N-Nitrosodiphenylamine	ND	5.00	ug/L								
Phenol	ND	5.00	"								
Pyridine	ND	5.00	"								
Surrogate: SURR: 2-Fluorophenol	16.7		"	50.0		33.4	19.7-63.1				
Surrogate: SURR: Phenol-d5	9.50		"	50.0		19.0	10.1-41.7				
Surrogate: SURR: Nitrobenzene-d5	17.8		"	25.0		71.2	50.2-113				
Surrogate: SURR: 2-Fluorobiphenyl	16.9		"	25.0		67.5	39.9-105				
Surrogate: SURR: 2,4,6-Tribromophenol	46.5		"	50.0		93.1	39.3-151				
Surrogate: SURR: Terphenyl-d14	26.1		"	25.0		104	30.7-106				

Blank (BB00953-BLK2)

Prepared & Analyzed: 02/20/2020

Acenaphthene	ND	0.0500	ug/L								
Acenaphthylene	ND	0.0500	"								
Anthracene	ND	0.0500	"								
Atrazine	ND	0.500	"								
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	"								
Bis(2-ethylhexyl)phthalate	ND	0.500	"								
Chrysene	ND	0.0500	"								
Dibenzo(a,h)anthracene	ND	0.0500	"								
Fluoranthene	ND	0.0500	"								
Fluorene	ND	0.0500	"								
Hexachlorobenzene	ND	0.0200	"								
Hexachlorobutadiene	ND	0.500	"								
Hexachloroethane	ND	0.500	"								
Indeno(1,2,3-cd)pyrene	ND	0.0500	"								
Naphthalene	ND	0.0500	"								
Nitrobenzene	ND	0.250	"								
N-Nitrosodimethylamine	ND	0.500	"								
Pentachlorophenol	ND	0.250	"								
Phenanthrene	ND	0.0500	"								
Pyrene	ND	0.0500	"								



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 BB00953 - EPA 3510C											
LCS (BB00953-BS1)						Prepared: 02/20/2020 Analyzed: 02/21/2020					
1,1-Biphenyl	15.5	5.00	ug/L	25.0		61.8	33-95				
1,2,4,5-Tetrachlorobenzene	15.7	5.00	"	25.2		62.3	26-120				
1,2,4-Trichlorobenzene	14.1	5.00	"	25.0		56.4	20-118				
1,2-Dichlorobenzene	14.1	5.00	"	25.0		56.4	29-111				
1,2-Diphenylhydrazine (as Azobenzene)	14.5	5.00	"	25.0		58.2	16-141				
1,3-Dichlorobenzene	13.5	5.00	"	25.0		53.8	23-117				
1,4-Dichlorobenzene	13.9	5.00	"	25.0		55.6	30-105				
2,3,4,6-Tetrachlorophenol	17.4	5.00	"	25.0		69.7	30-130				
2,4,5-Trichlorophenol	15.3	5.00	"	25.0		61.4	32-114				
2,4,6-Trichlorophenol	15.4	5.00	"	25.0		61.7	35-118				
2,4-Dichlorophenol	16.4	5.00	"	25.0		65.6	25-116				
2,4-Dimethylphenol	14.0	5.00	"	25.0		56.0	15-116				
2,4-Dinitrophenol	12.2	5.00	"	25.0		48.6	10-170				
2,4-Dinitrotoluene	18.4	5.00	"	25.0		73.4	41-128				
2,6-Dinitrotoluene	18.6	5.00	"	25.0		74.3	45-116				
2-Chloronaphthalene	14.5	5.00	"	25.0		58.0	33-112				
2-Chlorophenol	14.7	5.00	"	25.0		58.8	15-120				
2-Methylnaphthalene	16.9	5.00	"	25.0		67.7	24-118				
2-Methylphenol	11.1	5.00	"	25.0		44.3	10-110				
2-Nitroaniline	19.3	5.00	"	25.0		77.2	34-129				
2-Nitrophenol	17.8	5.00	"	25.0		71.2	28-118				
3- & 4-Methylphenols	9.41	5.00	"	25.0		37.6	10-107				
3,3-Dichlorobenzidine	17.4	5.00	"	25.0		69.5	15-187				
3-Nitroaniline	16.3	5.00	"	25.0		65.0	24-134				
4,6-Dinitro-2-methylphenol	18.3	5.00	"	25.0		73.2	10-153				
4-Bromophenyl phenyl ether	16.9	5.00	"	25.0		67.7	34-120				
4-Chloro-3-methylphenol	16.9	5.00	"	25.0		67.6	20-120				
4-Chloroaniline	12.0	5.00	"	25.0		48.2	10-147				
4-Chlorophenyl phenyl ether	16.8	5.00	"	25.0		67.0	27-121				
4-Nitroaniline	18.7	5.00	"	25.0		74.6	13-134				
4-Nitrophenol	6.60	5.00	"	25.0		26.4	10-131				
Acetophenone	15.6	5.00	"	25.0		62.6	25-110				
Aniline	8.77	5.00	"	25.0		35.1	10-117				
Benzaldehyde	15.8	5.00	"	25.0		63.0	29-117				
Benzoic acid	3.68	5.00	"	25.0		14.7	30-130	Low Bias			
Benzyl alcohol	14.6	5.00	"	25.0		58.2	10-117				
Benzyl butyl phthalate	22.7	5.00	"	25.0		90.6	29-133				
Bis(2-chloroethoxy)methane	16.0	5.00	"	25.0		64.2	10-154				
Bis(2-chloroethyl)ether	17.5	5.00	"	25.0		69.9	17-125				
Bis(2-chloroisopropyl)ether	21.0	5.00	"	25.0		83.8	10-139				
Caprolactam	4.00	5.00	"	25.0		16.0	10-137				
Carbazole	18.9	5.00	"	25.0		75.4	42-126				
Dibenzofuran	16.0	5.00	"	25.0		64.1	36-113				
Diethyl phthalate	17.1	5.00	"	25.0		68.3	38-115				
Dimethyl phthalate	16.7	5.00	"	25.0		66.7	38-129				
Di-n-butyl phthalate	19.1	5.00	"	25.0		76.6	31-120				
Di-n-octyl phthalate	25.5	5.00	"	25.0		102	21-149				
Hexachlorocyclopentadiene	10.9	10.0	"	25.0		43.7	10-130				
Isophorone	15.9	5.00	"	25.0		63.6	25-127				
N-nitroso-di-n-propylamine	17.0	5.00	"	25.0		68.1	26-122				
N-Nitrosodiphenylamine	20.4	5.00	"	25.0		81.6	23-149				



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 BB00953 - EPA 3510C

LCS (BB00953-BS1)

Prepared: 02/20/2020 Analyzed: 02/21/2020

Phenol	6.37	5.00	ug/L	25.0		25.5	10-110				
Pyridine	8.75	5.00	"	25.2		34.7	10-90				
Surrogate: SURR: 2-Fluorophenol	17.4		"	50.0		34.7	19.7-63.1				
Surrogate: SURR: Phenol-d5	10.4		"	50.0		20.7	10.1-41.7				
Surrogate: SURR: Nitrobenzene-d5	16.0		"	25.0		64.0	50.2-113				
Surrogate: SURR: 2-Fluorobiphenyl	15.4		"	25.0		61.7	39.9-105				
Surrogate: SURR: 2,4,6-Tribromophenol	43.3		"	50.0		86.7	39.3-151				
Surrogate: SURR: Terphenyl-d14	23.8		"	25.0		95.4	30.7-106				

LCS (BB00953-BS2)

Prepared & Analyzed: 02/20/2020

Acenaphthene	0.920	0.0500	ug/L	1.00		92.0	25-116				
Acenaphthylene	0.880	0.0500	"	1.00		88.0	26-116				
Anthracene	1.07	0.0500	"	1.00		107	25-123				
Benzo(a)anthracene	1.28	0.0500	"	1.00		128	33-125	High Bias			
Benzo(a)pyrene	1.21	0.0500	"	1.00		121	32-132				
Benzo(b)fluoranthene	1.33	0.0500	"	1.00		133	22-137				
Benzo(g,h,i)perylene	1.23	0.0500	"	1.00		123	10-138				
Benzo(k)fluoranthene	1.15	0.0500	"	1.00		115	20-137				
Bis(2-ethylhexyl)phthalate	1.37	0.500	"	1.00		137	10-189				
Chrysene	1.05	0.0500	"	1.00		105	32-124				
Dibenzo(a,h)anthracene	1.34	0.0500	"	1.00		134	16-133	High Bias			
Fluoranthene	1.61	0.0500	"	1.00		161	32-121	High Bias			
Fluorene	0.960	0.0500	"	1.00		96.0	28-118				
Hexachlorobenzene	1.15	0.0200	"	1.00		115	23-124				
Hexachlorobutadiene	0.920	0.500	"	1.00		92.0	15-123				
Hexachloroethane	0.720	0.500	"	1.00		72.0	18-115				
Indeno(1,2,3-cd)pyrene	1.32	0.0500	"	1.00		132	15-135				
Naphthalene	0.870	0.0500	"	1.00		87.0	18-120				
Nitrobenzene	1.06	0.250	"	1.00		106	21-121				
N-Nitrosodimethylamine	ND	0.500	"	1.00			10-124	Low Bias			
Pentachlorophenol	1.01	0.250	"	1.00		101	10-156				
Phenanthrene	1.01	0.0500	"	1.00		101	24-127				
Pyrene	1.15	0.0500	"	1.00		115	31-132				



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 BB00953 - EPA 3510C											
LCS Dup (BB00953-BSD1)						Prepared: 02/20/2020 Analyzed: 02/21/2020					
1,1-Biphenyl	17.5	5.00	ug/L	25.0		69.9	33-95		12.3	20	
1,2,4,5-Tetrachlorobenzene	18.3	5.00	"	25.2		72.4	26-120		15.0	20	
1,2,4-Trichlorobenzene	16.9	5.00	"	25.0		67.7	20-118		18.1	20	
1,2-Dichlorobenzene	16.2	5.00	"	25.0		64.6	29-111		13.6	20	
1,2-Diphenylhydrazine (as Azobenzene)	16.6	5.00	"	25.0		66.2	16-141		12.9	20	
1,3-Dichlorobenzene	15.4	5.00	"	25.0		61.4	23-117		13.1	20	
1,4-Dichlorobenzene	15.7	5.00	"	25.0		62.8	30-105		12.3	20	
2,3,4,6-Tetrachlorophenol	19.4	5.00	"	25.0		77.7	30-130		10.9	20	
2,4,5-Trichlorophenol	17.2	5.00	"	25.0		68.8	32-114		11.4	20	
2,4,6-Trichlorophenol	18.3	5.00	"	25.0		73.2	35-118		17.0	20	
2,4-Dichlorophenol	19.2	5.00	"	25.0		76.9	25-116		15.9	20	
2,4-Dimethylphenol	15.6	5.00	"	25.0		62.5	15-116		11.1	20	
2,4-Dinitrophenol	14.2	5.00	"	25.0		56.7	10-170		15.3	20	
2,4-Dinitrotoluene	20.4	5.00	"	25.0		81.6	41-128		10.6	20	
2,6-Dinitrotoluene	21.0	5.00	"	25.0		84.0	45-116		12.2	20	
2-Chloronaphthalene	16.8	5.00	"	25.0		67.2	33-112		14.8	20	
2-Chlorophenol	17.2	5.00	"	25.0		68.9	15-120		15.8	20	
2-Methylnaphthalene	19.5	5.00	"	25.0		78.1	24-118		14.3	20	
2-Methylphenol	13.6	5.00	"	25.0		54.3	10-110		20.4	20	Non-dir.
2-Nitroaniline	21.8	5.00	"	25.0		87.3	34-129		12.2	20	
2-Nitrophenol	21.0	5.00	"	25.0		83.9	28-118		16.3	20	
3- & 4-Methylphenols	11.1	5.00	"	25.0		44.5	10-107		16.7	20	
3,3-Dichlorobenzidine	17.5	5.00	"	25.0		70.1	15-187		0.860	20	
3-Nitroaniline	16.8	5.00	"	25.0		67.4	24-134		3.50	20	
4,6-Dinitro-2-methylphenol	21.2	5.00	"	25.0		84.7	10-153		14.5	20	
4-Bromophenyl phenyl ether	19.4	5.00	"	25.0		77.7	34-120		13.8	20	
4-Chloro-3-methylphenol	19.4	5.00	"	25.0		77.6	20-120		13.7	20	
4-Chloroaniline	13.0	5.00	"	25.0		52.2	10-147		7.89	20	
4-Chlorophenyl phenyl ether	18.8	5.00	"	25.0		75.0	27-121		11.3	20	
4-Nitroaniline	19.6	5.00	"	25.0		78.2	13-134		4.71	20	
4-Nitrophenol	10.6	5.00	"	25.0		42.3	10-131		46.2	20	Non-dir.
Acetophenone	17.6	5.00	"	25.0		70.4	25-110		11.7	20	
Aniline	8.16	5.00	"	25.0		32.6	10-117		7.21	20	
Benzaldehyde	17.3	5.00	"	25.0		69.1	29-117		9.14	20	
Benzoic acid	5.01	5.00	"	25.0		20.0	30-130	Low Bias	30.6	20	Non-dir.
Benzyl alcohol	15.9	5.00	"	25.0		63.7	10-117		8.99	20	
Benzyl butyl phthalate	24.0	5.00	"	25.0		95.8	29-133		5.54	20	
Bis(2-chloroethoxy)methane	18.6	5.00	"	25.0		74.5	10-154		14.9	20	
Bis(2-chloroethyl)ether	21.5	5.00	"	25.0		85.9	17-125		20.5	20	Non-dir.
Bis(2-chloroisopropyl)ether	24.7	5.00	"	25.0		98.8	10-139		16.4	20	
Caprolactam	4.54	5.00	"	25.0		18.2	10-137		12.6	20	
Carbazole	20.0	5.00	"	25.0		79.9	42-126		5.77	20	
Dibenzofuran	18.0	5.00	"	25.0		72.1	36-113		11.7	20	
Diethyl phthalate	18.6	5.00	"	25.0		74.6	38-115		8.73	20	
Dimethyl phthalate	18.5	5.00	"	25.0		74.0	38-129		10.4	20	
Di-n-butyl phthalate	20.6	5.00	"	25.0		82.5	31-120		7.44	20	
Di-n-octyl phthalate	27.1	5.00	"	25.0		108	21-149		5.82	20	
Hexachlorocyclopentadiene	13.1	10.0	"	25.0		52.4	10-130		18.0	20	
Isophorone	18.6	5.00	"	25.0		74.4	25-127		15.7	20	
N-nitroso-di-n-propylamine	19.6	5.00	"	25.0		78.4	26-122		14.1	20	
N-Nitrosodiphenylamine	23.0	5.00	"	25.0		92.2	23-149		12.1	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 BB00953 - EPA 3510C

LCS Dup (BB00953-BSD1)

Prepared: 02/20/2020 Analyzed: 02/21/2020

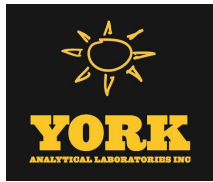
Phenol	7.61	5.00	ug/L	25.0		30.4	10-110		17.7	20	
Pyridine	10.9	5.00	"	25.2		43.0	10-90		21.5	20	Non-dir.
Surrogate: SURR: 2-Fluorophenol	19.9		"	50.0		39.8	19.7-63.1				
Surrogate: SURR: Phenol-d5	12.4		"	50.0		24.8	10.1-41.7				
Surrogate: SURR: Nitrobenzene-d5	18.6		"	25.0		74.4	50.2-113				
Surrogate: SURR: 2-Fluorobiphenyl	17.6		"	25.0		70.2	39.9-105				
Surrogate: SURR: 2,4,6-Tribromophenol	47.7		"	50.0		95.3	39.3-151				
Surrogate: SURR: Terphenyl-d14	25.2		"	25.0		101	30.7-106				



Semivolatile Organic Compounds by GC/MS/SIM - 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 BB01100 - EPA 3535A											
Blank (BB01100-BLK1)						Prepared: 02/21/2020 Analyzed: 02/25/2020					
1,4-Dioxane	ND	0.200	ug/L								
Surrogate: 1,4-Dioxane-d8	3.80		"	5.00		76.0	36.6-118				
LCS (BB01100-BS1)						Prepared: 02/21/2020 Analyzed: 02/25/2020					
1,4-Dioxane	4.76	0.200	ug/L	5.00		95.2	50-130				
Surrogate: 1,4-Dioxane-d8	4.00		"	5.00		80.0	36.6-118				
Matrix Spike (BB01100-MS1)						*Source sample: 20B0608-03 (MW-6) Prepared: 02/21/2020 Analyzed: 02/25/2020					
1,4-Dioxane	5.00	0.200	ug/L	5.00	ND	100	50-130				
Surrogate: 1,4-Dioxane-d8	4.20		"	5.00		84.0	50-130				
Matrix Spike Dup (BB01100-MSD1)						*Source sample: 20B0608-03 (MW-6) Prepared: 02/21/2020 Analyzed: 02/25/2020					
1,4-Dioxane	5.00	0.200	ug/L	5.00	ND	100	50-130		0.00	30	
Surrogate: 1,4-Dioxane-d8	3.80		"	5.00		76.0	50-130				



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
20B0608-01	MW-3	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
20B0608-02	MW-4	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
20B0608-03	MW-6	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



Sample and Data Qualifiers Relating to This Work Order

QR-04	The RPD exceeded control limits for the LCS/LCSD QC.
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.
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.
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.
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.

120 RESEARCH DR. STRATFORD, CT 06615
(203) 325-1371 FAX (203) 357-0166

Field Chain-of-Custody Record

Page 1 of 1

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

York Project No. 20B0408

YOUR Information Company: HES, Inc. Address: One Deans Bridge Road Somers, New York 10589 Phone No. (914) 276-2560 Contact Person: E-Mail Address:		Report To: Company: Same Address: Phone No. Attention: E-Mail Address:		Invoice To: Company: Same Address: Phone No. Attention: E-Mail Address:		YOUR Project ID 130 Midland Avenue, Port Chester, New York Samples from: CT NY NJ		Turn-Around Time RUSH - Same Day RUSH - Next Day RUSH - Two Day RUSH - Three Day RUSH - Four Day Standard (5-7 Days)		Report Type Summary Report Summary w/ QA Summary CT RCP Package CTRCP DQ/DUE Pkg NY ASP A Package NY ASP B Package NJDEP Red. Deliv. Electronic Data Deliverables (EDD)					
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 S - soil Other - specify (oil, etc.) WW - wastewater GW - groundwater DW - drinking water Air-A - ambient air Air-SV - soil vapor		Volatiles 8260 full 624 STARS list BTEX MTBE TCL list TAGM list CT RCP list Arom. only Halog. only App. IX list 8021B list		Semi-Vols. 8270 or 625 STARS list BN Only Acids Only PAH list TAGM list CT RCP list TCL list NIDEP list App. IX SPL Per TCLP		Metals RCRA8 PPL3 list TAL CTI5 list TAGM list NIDEP list Total Dissolved SPL Per TCLP Indic. Metals LIST Below		Misc. Org. TPH GRO TPH DRO CT ETPH NY 310-13 TPH 1664 NIDEP list Air TO15 Air STARS Air VPH Air TICs Methane Helium		Full Lists Pri. Poll. TCL Orgs TAL MetCN Full TCLP Full App. IX Part 360 Residua Part 360 Residua Part 360 Residua Part 360 Residua NYCDEP Sewer NYCDEP Sewer TAGM Silica		Misc. Corrosivity Reactivity Ignitability Flash Point Sieve Anal. Heterotrophs TOX BTU/lb. Aquatic Tox. TOC NYCDEP Sewer Asbestos	
Sample Identification MW-3 MW-4 MW-6		Date Sampled 2/14/20 		Sample Matrix GW 		Choose Analyses Needed from the Menu Above and Enter Below EPA Method 8260+8270, 194-Dioxane 		Container Description(s) (3) Andor (3) 40A 		Excel Spreadsheet Compare to the following Regs. (please fill in): York Regulatory Comparison Excel Spreadsheet					
Comments EPA Method 8260+8270, 194-Dioxane		Preservation Check those Applicable Special Instructions Field Filled Lab to Filter		4°C Frozen HCl ZnAc Ascorbic Acid MeOH HNO ₃ H ₂ SO ₄ NaOH Other		Date/Time 2-18-20 13:00 2/18/20 15:11 2/18/20 15:11		Temperature on Receipt 2.6 °C							



Technical Report

prepared for:

Hydro Environmental Solutions

One Deans Bridge Road

Somers NY, 10589

Attention: Bill Canavan

Report Date: 02/26/2020

Client Project ID: 130 Midland Avenue, Port Chester, New York

York Project (SDG) No.: 20B0737

CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037



New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

120 RESEARCH DRIVE
www.YORKLAB.com

STRATFORD, CT 06615
(203) 325-1371



132-02 89th AVENUE
FAX (203) 357-0166

RICHMOND HILL, NY 11418
ClientServices@yorklab.com

Hydro Environmental Solutions

One Deans Bridge Road
Somers NY, 10589
Attention: Bill Canavan

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 February 20, 2020 and listed below. The project was identified as your project: **130 Midland Avenue, Port Chester, New York.**

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>
20B0737-01	MW-5	Water	02/19/2020	02/20/2020

General Notes for York Project (SDG) No.: 20B0737

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.

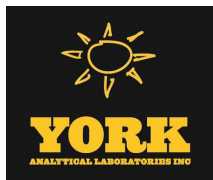
Approved By:



Benjamin Gulizia
Laboratory Director

Date: 02/26/2020





Sample Information

Client Sample ID: MW-5

York Sample ID: 20B0737-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20B0737

130 Midland Avenue, Port Chester, New York

Water

February 19, 2020 12:00 am

02/20/2020

Volatiles, 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	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/25/2020 19:29	02/26/2020 05:11	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	02/25/2020 19:29	02/26/2020 05:11	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	02/25/2020 19:29	02/26/2020 05:11	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	02/25/2020 19:29	02/26/2020 05:11	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	02/25/2020 19:29	02/26/2020 05:11	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	02/25/2020 19:29	02/26/2020 05:11	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	02/25/2020 19:29	02/26/2020 05:11	LLJ
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	02/25/2020 19:29	02/26/2020 05:11	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	02/25/2020 19:29	02/26/2020 05:11	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	02/25/2020 19:29	02/26/2020 05:11	LLJ
95-93-2	* 1,2,4,5-Tetramethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/25/2020 19:29	02/26/2020 05:11	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	02/25/2020 19:29	02/26/2020 05:11	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	02/25/2020 19:29	02/26/2020 05:11	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	02/25/2020 19:29	02/26/2020 05:11	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	02/25/2020 19:29	02/26/2020 05:11	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	02/25/2020 19:29	02/26/2020 05:11	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	02/25/2020 19:29	02/26/2020 05:11	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	02/25/2020 19:29	02/26/2020 05:11	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	02/25/2020 19:29	02/26/2020 05:11	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	02/25/2020 19:29	02/26/2020 05:11	LLJ
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/25/2020 19:29	02/26/2020 05:11	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	02/25/2020 19:29	02/26/2020 05:11	LLJ



Sample Information

Client Sample ID: MW-5

York Sample ID: 20B0737-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20B0737

130 Midland Avenue, Port Chester, New York

Water

February 19, 2020 12:00 am

02/20/2020

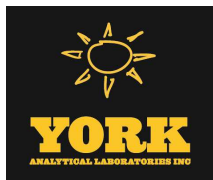
Volatiles, 8260 Comprehensive

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
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/25/2020 19:29	02/26/2020 05:11	LLJ
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/25/2020 19:29	02/26/2020 05:11	LLJ
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/25/2020 19:29	02/26/2020 05:11	LLJ
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/25/2020 19:29	02/26/2020 05:11	LLJ
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/25/2020 19:29	02/26/2020 05:11	LLJ
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/25/2020 19:29	02/26/2020 05:11	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	02/25/2020 19:29	02/26/2020 05:11	LLJ
67-64-1	Acetone	1.36		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/25/2020 19:29	02/26/2020 05:11	LLJ
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/25/2020 19:29	02/26/2020 05:11	LLJ
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/25/2020 19:29	02/26/2020 05:11	LLJ
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/25/2020 19:29	02/26/2020 05:11	LLJ
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/25/2020 19:29	02/26/2020 05:11	LLJ
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/25/2020 19:29	02/26/2020 05:11	LLJ
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/25/2020 19:29	02/26/2020 05:11	LLJ
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/25/2020 19:29	02/26/2020 05:11	LLJ
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/25/2020 19:29	02/26/2020 05:11	LLJ
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/25/2020 19:29	02/26/2020 05:11	LLJ
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/25/2020 19:29	02/26/2020 05:11	LLJ
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/25/2020 19:29	02/26/2020 05:11	LLJ
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/25/2020 19:29	02/26/2020 05:11	LLJ
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/25/2020 19:29	02/26/2020 05:11	LLJ
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/25/2020 19:29	02/26/2020 05:11	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	02/25/2020 19:29	02/26/2020 05:11	LLJ



Sample Information

Client Sample ID: MW-5

York Sample ID: 20B0737-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20B0737

130 Midland Avenue, Port Chester, New York

Water

February 19, 2020 12:00 am

02/20/2020

Volatiles, 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
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/25/2020 19:29 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2020 05:11	LLJ
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/25/2020 19:29 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2020 05:11	LLJ
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/25/2020 19:29 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2020 05:11	LLJ
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/25/2020 19:29 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2020 05:11	LLJ
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/25/2020 19:29 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2020 05:11	LLJ
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/25/2020 19:29 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2020 05:11	LLJ
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/25/2020 19:29 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2020 05:11	LLJ
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/25/2020 19:29 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2020 05:11	LLJ
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/25/2020 19:29 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2020 05:11	LLJ
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/25/2020 19:29 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2020 05:11	LLJ
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications:	02/25/2020 19:29 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2020 05:11	LLJ
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/25/2020 19:29 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2020 05:11	LLJ
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/25/2020 19:29 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2020 05:11	LLJ
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/25/2020 19:29 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2020 05:11	LLJ
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications:	02/25/2020 19:29 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2020 05:11	LLJ
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/25/2020 19:29 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2020 05:11	LLJ
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/25/2020 19:29 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2020 05:11	LLJ
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/25/2020 19:29 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2020 05:11	LLJ
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications:	02/25/2020 19:29 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2020 05:11	LLJ
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/25/2020 19:29 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2020 05:11	LLJ
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/25/2020 19:29 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2020 05:11	LLJ
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/25/2020 19:29 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2020 05:11	LLJ
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/25/2020 19:29 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2020 05:11	LLJ



Sample Information

Client Sample ID: MW-5

York Sample ID: 20B0737-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20B0737

130 Midland Avenue, Port Chester, New York

Water

February 19, 2020 12:00 am

02/20/2020

Volatiles, 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
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	02/25/2020 19:29	02/26/2020 05:11	LLJ
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/25/2020 19:29	02/26/2020 05:11	LLJ
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/25/2020 19:29	02/26/2020 05:11	LLJ
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/25/2020 19:29	02/26/2020 05:11	LLJ
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	02/25/2020 19:29	02/26/2020 05:11	LLJ
Surrogate Recoveries		Result		Acceptance Range							
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	105 %		69-130							
2037-26-5	Surrogate: SURR: Toluene-d8	101 %		81-117							
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	96.9 %		79-122							

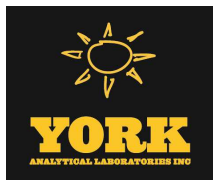
Semivolatiles, 8270 Comprehensive

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	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/21/2020 08:24	02/24/2020 12:07	OW
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/21/2020 08:24	02/24/2020 12:07	OW
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2020 08:24	02/24/2020 12:07	OW
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/21/2020 08:24	02/24/2020 12:07	OW
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/21/2020 08:24	02/24/2020 12:07	OW
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/21/2020 08:24	02/24/2020 12:07	OW
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/21/2020 08:24	02/24/2020 12:07	OW
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/21/2020 08:24	02/24/2020 12:07	OW
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2020 08:24	02/24/2020 12:07	OW
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2020 08:24	02/24/2020 12:07	OW
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2020 08:24	02/24/2020 12:07	OW
105-67-9	2,4-Dimethylphenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2020 08:24	02/24/2020 12:07	OW



Sample Information

Client Sample ID: MW-5

York Sample ID: 20B0737-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20B0737

130 Midland Avenue, Port Chester, New York

Water

February 19, 2020 12:00 am

02/20/2020

Semivolatiles, 8270 Comprehensive

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
51-28-5	2,4-Dinitrophenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications:	02/21/2020 08:24 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/24/2020 12:07	OW
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications:	02/21/2020 08:24 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/24/2020 12:07	OW
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications:	02/21/2020 08:24 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/24/2020 12:07	OW
91-58-7	2-Chloronaphthalene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications:	02/21/2020 08:24 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/24/2020 12:07	OW
95-57-8	2-Chlorophenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications:	02/21/2020 08:24 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/24/2020 12:07	OW
91-57-6	2-Methylnaphthalene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications:	02/21/2020 08:24 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/24/2020 12:07	OW
95-48-7	2-Methylphenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications:	02/21/2020 08:24 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/24/2020 12:07	OW
88-74-4	2-Nitroaniline	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications:	02/21/2020 08:24 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/24/2020 12:07	OW
88-75-5	2-Nitrophenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications:	02/21/2020 08:24 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/24/2020 12:07	OW
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications:	02/21/2020 08:24 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/24/2020 12:07	OW
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications:	02/21/2020 08:24 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/24/2020 12:07	OW
99-09-2	3-Nitroaniline	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications:	02/21/2020 08:24 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/24/2020 12:07	OW
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications:	02/21/2020 08:24 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/24/2020 12:07	OW
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications:	02/21/2020 08:24 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/24/2020 12:07	OW
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications:	02/21/2020 08:24 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/24/2020 12:07	OW
106-47-8	4-Chloroaniline	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications:	02/21/2020 08:24 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/24/2020 12:07	OW
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications:	02/21/2020 08:24 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/24/2020 12:07	OW
100-01-6	4-Nitroaniline	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications:	02/21/2020 08:24 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/24/2020 12:07	OW
100-02-7	4-Nitrophenol	ND		ug/L	5.41	5.41	1	EPA 8270D Certifications:	02/21/2020 08:24 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/24/2020 12:07	OW
98-86-2	Acetophenone	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications:	02/21/2020 08:24 NELAC-NY10854,NJDEP,PADEP	02/24/2020 12:07	OW
62-53-3	Aniline	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications:	02/21/2020 08:24 NELAC-NY10854,NJDEP,PADEP	02/24/2020 12:07	OW
100-52-7	Benzaldehyde	ND	CCV-L	ug/L	2.70	5.41	1	EPA 8270D Certifications:	02/21/2020 08:24 NELAC-NY10854,NJDEP,PADEP	02/24/2020 12:07	OW
92-87-5	Benzidine	ND	CCV-L	ug/L	5.41	5.41	1	EPA 8270D Certifications:	02/21/2020 08:24 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/24/2020 12:07	OW



Sample Information

Client Sample ID: MW-5

York Sample ID: 20B0737-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20B0737

130 Midland Avenue, Port Chester, New York

Water

February 19, 2020 12:00 am

02/20/2020

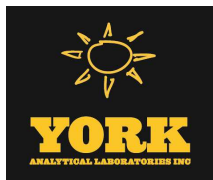
Semivolatiles, 8270 Comprehensive

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
65-85-0	Benzoic acid	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/21/2020 08:24	02/24/2020 12:07	OW
100-51-6	Benzyl alcohol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/21/2020 08:24	02/24/2020 12:07	OW
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2020 08:24	02/24/2020 12:07	OW
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2020 08:24	02/24/2020 12:07	OW
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.08	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2020 08:24	02/24/2020 12:07	OW
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2020 08:24	02/24/2020 12:07	OW
105-60-2	Caprolactam	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/21/2020 08:24	02/24/2020 12:07	OW
86-74-8	Carbazole	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2020 08:24	02/24/2020 12:07	OW
132-64-9	Dibenzofuran	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2020 08:24	02/24/2020 12:07	OW
84-66-2	Diethyl phthalate	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2020 08:24	02/24/2020 12:07	OW
131-11-3	Dimethyl phthalate	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2020 08:24	02/24/2020 12:07	OW
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2020 08:24	02/24/2020 12:07	OW
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2020 08:24	02/24/2020 12:07	OW
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	5.41	10.8	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2020 08:24	02/24/2020 12:07	OW
78-59-1	Isophorone	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2020 08:24	02/24/2020 12:07	OW
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2020 08:24	02/24/2020 12:07	OW
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2020 08:24	02/24/2020 12:07	OW
108-95-2	Phenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2020 08:24	02/24/2020 12:07	OW
110-86-1	Pyridine	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2020 08:24	02/24/2020 12:07	OW
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: SURR: 2-Fluorophenol	34.3 %	19.7-63.1								
4165-62-2	Surrogate: SURR: Phenol-d5	20.0 %	10.1-41.7								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	62.1 %	50.2-113								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	65.3 %	39.9-105								
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	79.4 %	39.3-151								
1718-51-0	Surrogate: SURR: Terphenyl-d14	82.0 %	30.7-106								



Sample Information

Client Sample ID: MW-5

York Sample ID: 20B0737-01

York Project (SDG) No.

Client Project ID

Matrix

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20B0737

130 Midland Avenue, Port Chester, New York

Water

February 19, 2020 12:00 am

02/20/2020

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	0.238		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2020 08:24	02/21/2020 21:18	OW
208-96-8	Acenaphthylene	ND		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2020 08:24	02/21/2020 21:18	OW
120-12-7	Anthracene	0.0865		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2020 08:24	02/21/2020 21:18	OW
1912-24-9	Atrazine	ND		ug/L	0.541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	02/21/2020 08:24	02/21/2020 21:18	OW
56-55-3	Benzo(a)anthracene	0.108		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2020 08:24	02/21/2020 21:18	OW
50-32-8	Benzo(a)pyrene	0.0973		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2020 08:24	02/21/2020 21:18	OW
205-99-2	Benzo(b)fluoranthene	0.0757		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2020 08:24	02/21/2020 21:18	OW
191-24-2	Benzo(g,h,i)perylene	0.0541		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2020 08:24	02/21/2020 21:18	OW
207-08-9	Benzo(k)fluoranthene	0.0757		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2020 08:24	02/21/2020 21:18	OW
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	0.541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	02/21/2020 08:24	02/21/2020 21:18	OW
218-01-9	Chrysene	0.0865		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2020 08:24	02/21/2020 21:18	OW
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2020 08:24	02/21/2020 21:18	OW
206-44-0	Fluoranthene	0.292		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2020 08:24	02/21/2020 21:18	OW
86-73-7	Fluorene	0.108		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2020 08:24	02/21/2020 21:18	OW
118-74-1	Hexachlorobenzene	ND		ug/L	0.0216	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	02/21/2020 08:24	02/21/2020 21:18	OW
87-68-3	Hexachlorobutadiene	ND		ug/L	0.541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	02/21/2020 08:24	02/21/2020 21:18	OW
67-72-1	Hexachloroethane	ND		ug/L	0.541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	02/21/2020 08:24	02/21/2020 21:18	OW
193-39-5	Indeno(1,2,3-cd)pyrene	0.0541		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2020 08:24	02/21/2020 21:18	OW
91-20-3	Naphthalene	ND		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2020 08:24	02/21/2020 21:18	OW
98-95-3	Nitrobenzene	ND		ug/L	0.270	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	02/21/2020 08:24	02/21/2020 21:18	OW
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	02/21/2020 08:24	02/21/2020 21:18	OW
87-86-5	Pentachlorophenol	ND		ug/L	0.270	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	02/21/2020 08:24	02/21/2020 21:18	OW
85-01-8	Phenanthrene	0.184		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2020 08:24	02/21/2020 21:18	OW



Sample Information

Client Sample ID: MW-5

York Sample ID: 20B0737-01

York Project (SDG) No.

Client Project ID

Matrix

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130 Midland Avenue, Port Chester, New York

Water

February 19, 2020 12:00 am

02/20/2020

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
129-00-0	Pyrene	0.314		ug/L	0.0541	1	EPA 8270D SIM	02/21/2020 08:24	02/21/2020 21:18	OW
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Semi-Volatiles, 1,4-Dioxane by 8270-SIM

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3535A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/L	0.200	1	EPA 8270D SIM Certifications: NJDEP,NELAC-NY10854	02/25/2020 10:28	02/25/2020 14:42	KH
Surrogate Recoveries		Result	Acceptance Range							
17647-74-4	Surrogate: 1,4-Dioxane-d8	92.0 %	36.6-118							



Analytical Batch Summary

Batch ID: BB01010 **Preparation Method:** EPA 5030B **Prepared By:** AS

YORK Sample ID	Client Sample ID	Preparation Date
20B0737-01	MW-5	02/25/20
BB01010-BLK1	Blank	02/25/20
BB01010-BS1	LCS	02/25/20
BB01010-BSD1	LCS Dup	02/25/20
BB01010-MS1	Matrix Spike	02/25/20
BB01010-MSD1	Matrix Spike Dup	02/25/20

Batch ID: BB01031 **Preparation Method:** EPA 3510C **Prepared By:** TSS

YORK Sample ID	Client Sample ID	Preparation Date
20B0737-01	MW-5	02/21/20
BB01031-BLK1	Blank	02/21/20
BB01031-BLK2	Blank	02/21/20
BB01031-BS1	LCS	02/21/20
BB01031-BS2	LCS	02/21/20
BB01031-MS1	Matrix Spike	02/21/20
BB01031-MSD1	Matrix Spike Dup	02/21/20

Batch ID: BB01226 **Preparation Method:** EPA 3535A **Prepared By:** CTD

YORK Sample ID	Client Sample ID	Preparation Date
20B0737-01	MW-5	02/25/20
BB01226-BLK1	Blank	02/25/20
BB01226-BS1	LCS	02/25/20
BB01226-MS1	Matrix Spike	02/25/20
BB01226-MSD1	Matrix Spike Dup	02/25/20



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 BB01010 - EPA 5030B

Blank (BB01010-BLK1)

Prepared: 02/25/2020 Analyzed: 02/26/2020

1,1,1,2-Tetrachloroethane	ND	0.500	ug/L
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	"
1,1-Dichloropropylene	ND	0.500	"
1,2,3-Trichlorobenzene	ND	0.500	"
1,2,3-Trichloropropane	ND	0.500	"
1,2,4,5-Tetramethylbenzene	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	"
1,3-Dichloropropane	ND	0.500	"
1,4-Dichlorobenzene	ND	0.500	"
1,4-Dioxane	ND	80.0	"
2,2-Dichloropropane	ND	0.500	"
2-Butanone	ND	0.500	"
2-Chlorotoluene	ND	0.500	"
2-Hexanone	ND	0.500	"
4-Chlorotoluene	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	"
Bromobenzene	ND	0.500	"
Bromochloromethane	ND	0.500	"
Bromodichloromethane	ND	0.500	"
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	"



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 BB01010 - EPA 5030B

Blank (BB01010-BLK1)

Prepared: 02/25/2020 Analyzed: 02/26/2020

Dichlorodifluoromethane	ND	0.500	ug/L
Ethyl Benzene	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	10.6	"	10.0	106	69-130
Surrogate: SURR: Toluene-d8	9.93	"	10.0	99.3	81-117
Surrogate: SURR: p-Bromofluorobenzene	9.70	"	10.0	97.0	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 BB01010 - EPA 5030B											
LCS (BB01010-BS1)						Prepared: 02/25/2020 Analyzed: 02/26/2020					
1,1,1,2-Tetrachloroethane	9.97		ug/L	10.0		99.7	82-126				
1,1,1-Trichloroethane	10.2		"	10.0		102	78-136				
1,1,2,2-Tetrachloroethane	8.71		"	10.0		87.1	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.2		"	10.0		102	54-165				
1,1,2-Trichloroethane	8.87		"	10.0		88.7	82-123				
1,1-Dichloroethane	9.71		"	10.0		97.1	82-129				
1,1-Dichloroethylene	10.1		"	10.0		101	68-138				
1,1-Dichloropropylene	9.99		"	10.0		99.9	83-133				
1,2,3-Trichlorobenzene	11.2		"	10.0		112	76-136				
1,2,3-Trichloropropane	8.98		"	10.0		89.8	77-128				
1,2,4,5-Tetramethylbenzene	10.5		"	10.0		105	85-140				
1,2,4-Trichlorobenzene	10.8		"	10.0		108	76-137				
1,2,4-Trimethylbenzene	9.74		"	10.0		97.4	82-132				
1,2-Dibromo-3-chloropropane	9.95		"	10.0		99.5	45-147				
1,2-Dibromoethane	9.02		"	10.0		90.2	83-124				
1,2-Dichlorobenzene	9.56		"	10.0		95.6	79-123				
1,2-Dichloroethane	10.3		"	10.0		103	73-132				
1,2-Dichloropropane	9.66		"	10.0		96.6	78-126				
1,3,5-Trimethylbenzene	9.91		"	10.0		99.1	80-131				
1,3-Dichlorobenzene	9.62		"	10.0		96.2	86-122				
1,3-Dichloropropane	9.29		"	10.0		92.9	81-125				
1,4-Dichlorobenzene	9.56		"	10.0		95.6	85-124				
1,4-Dioxane	98.5		"	210		46.9	10-349				
2,2-Dichloropropane	9.44		"	10.0		94.4	56-150				
2-Butanone	6.75		"	10.0		67.5	49-152				
2-Chlorotoluene	9.69		"	10.0		96.9	79-130				
2-Hexanone	7.97		"	10.0		79.7	51-146				
4-Chlorotoluene	9.80		"	10.0		98.0	79-128				
4-Methyl-2-pentanone	8.60		"	10.0		86.0	57-145				
Acetone	8.55		"	10.0		85.5	14-150				
Acrolein	8.63		"	100		8.63	10-153	Low Bias			
Acrylonitrile	12.0		"	10.0		120	51-150				
Benzene	9.67		"	10.0		96.7	85-126				
Bromobenzene	9.26		"	10.0		92.6	78-129				
Bromochloromethane	10.4		"	10.0		104	77-128				
Bromodichloromethane	10.0		"	10.0		100	79-128				
Bromoform	9.04		"	10.0		90.4	78-133				
Bromomethane	27.5		"	10.0		275	43-168	High Bias			
Carbon disulfide	10.0		"	10.0		100	68-146				
Carbon tetrachloride	10.4		"	10.0		104	77-141				
Chlorobenzene	9.47		"	10.0		94.7	88-120				
Chloroethane	13.5		"	10.0		135	65-136				
Chloroform	9.96		"	10.0		99.6	82-128				
Chloromethane	14.0		"	10.0		140	43-155				
cis-1,2-Dichloroethylene	9.84		"	10.0		98.4	83-129				
cis-1,3-Dichloropropylene	9.73		"	10.0		97.3	80-131				
Cyclohexane	4.48		"	10.0		44.8	63-149	Low Bias			
Dibromochloromethane	9.53		"	10.0		95.3	80-130				
Dibromomethane	9.64		"	10.0		96.4	72-134				
Dichlorodifluoromethane	10.9		"	10.0		109	44-144				



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 BB01010 - EPA 5030B

LCS (BB01010-BS1)

Prepared: 02/25/2020 Analyzed: 02/26/2020

Ethyl Benzene	10.1		ug/L	10.0		101	80-131				
Isopropylbenzene	9.33		"	10.0		93.3	76-140				
Methyl acetate	8.06		"	10.0		80.6	51-139				
Methyl tert-butyl ether (MTBE)	8.84		"	10.0		88.4	76-135				
Methylcyclohexane	10.6		"	10.0		106	72-143				
Methylene chloride	10.6		"	10.0		106	55-137				
n-Butylbenzene	10.6		"	10.0		106	79-132				
n-Propylbenzene	9.57		"	10.0		95.7	78-133				
o-Xylene	10.1		"	10.0		101	78-130				
p- & m- Xylenes	20.0		"	20.0		100	77-133				
p-Isopropyltoluene	10.3		"	10.0		103	81-136				
sec-Butylbenzene	10.4		"	10.0		104	79-137				
Styrene	10.2		"	10.0		102	67-132				
tert-Butyl alcohol (TBA)	31.1		"	50.0		62.2	25-162				
tert-Butylbenzene	8.52		"	10.0		85.2	77-138				
Tetrachloroethylene	8.60		"	10.0		86.0	82-131				
Toluene	9.69		"	10.0		96.9	80-127				
trans-1,2-Dichloroethylene	10.1		"	10.0		101	80-132				
trans-1,3-Dichloropropylene	9.55		"	10.0		95.5	78-131				
Trichloroethylene	9.83		"	10.0		98.3	82-128				
Trichlorofluoromethane	12.3		"	10.0		123	67-139				
Vinyl Chloride	13.7		"	10.0		137	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	10.5		"	10.0		105	69-130				
Surrogate: SURR: Toluene-d8	9.99		"	10.0		99.9	81-117				
Surrogate: SURR: p-Bromofluorobenzene	9.84		"	10.0		98.4	79-122				

LCS Dup (BB01010-BSD1)

Prepared: 02/25/2020 Analyzed: 02/26/2020

1,1,1,2-Tetrachloroethane	9.88		ug/L	10.0		98.8	82-126		0.907	30	
1,1,1-Trichloroethane	9.76		"	10.0		97.6	78-136		4.60	30	
1,1,2,2-Tetrachloroethane	8.90		"	10.0		89.0	76-129		2.16	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.50		"	10.0		95.0	54-165		7.20	30	
1,1,2-Trichloroethane	9.01		"	10.0		90.1	82-123		1.57	30	
1,1-Dichloroethane	9.27		"	10.0		92.7	82-129		4.64	30	
1,1-Dichloroethylene	9.52		"	10.0		95.2	68-138		6.11	30	
1,1-Dichloropropylene	9.52		"	10.0		95.2	83-133		4.82	30	
1,2,3-Trichlorobenzene	11.7		"	10.0		117	76-136		3.93	30	
1,2,3-Trichloropropane	9.44		"	10.0		94.4	77-128		4.99	30	
1,2,4,5-Tetramethylbenzene	10.2		"	10.0		102	85-140		2.41	30	
1,2,4-Trichlorobenzene	10.9		"	10.0		109	76-137		1.29	30	
1,2,4-Trimethylbenzene	9.65		"	10.0		96.5	82-132		0.928	30	
1,2-Dibromo-3-chloropropane	10.1		"	10.0		101	45-147		1.50	30	
1,2-Dibromoethane	9.15		"	10.0		91.5	83-124		1.43	30	
1,2-Dichlorobenzene	9.66		"	10.0		96.6	79-123		1.04	30	
1,2-Dichloroethane	9.77		"	10.0		97.7	73-132		5.18	30	
1,2-Dichloropropane	9.49		"	10.0		94.9	78-126		1.78	30	
1,3,5-Trimethylbenzene	9.68		"	10.0		96.8	80-131		2.35	30	
1,3-Dichlorobenzene	9.41		"	10.0		94.1	86-122		2.21	30	
1,3-Dichloropropane	9.52		"	10.0		95.2	81-125		2.45	30	
1,4-Dichlorobenzene	9.47		"	10.0		94.7	85-124		0.946	30	
1,4-Dioxane	140		"	210		66.5	10-349		34.6	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 BB01010 - EPA 5030B											
LCS Dup (BB01010-BSD1)						Prepared: 02/25/2020 Analyzed: 02/26/2020					
2,2-Dichloropropane	8.79		ug/L	10.0		87.9	56-150		7.13	30	
2-Butanone	6.46		"	10.0		64.6	49-152		4.39	30	
2-Chlorotoluene	9.67		"	10.0		96.7	79-130		0.207	30	
2-Hexanone	8.40		"	10.0		84.0	51-146		5.25	30	
4-Chlorotoluene	9.67		"	10.0		96.7	79-128		1.34	30	
4-Methyl-2-pentanone	8.80		"	10.0		88.0	57-145		2.30	30	
Acetone	8.62		"	10.0		86.2	14-150		0.815	30	
Acrolein	8.45		"	100		8.45	10-153	Low Bias	2.11	30	
Acrylonitrile	10.2		"	10.0		102	51-150		15.6	30	
Benzene	9.19		"	10.0		91.9	85-126		5.09	30	
Bromobenzene	9.32		"	10.0		93.2	78-129		0.646	30	
Bromochloromethane	10.1		"	10.0		101	77-128		2.53	30	
Bromodichloromethane	10.2		"	10.0		102	79-128		1.78	30	
Bromoform	9.44		"	10.0		94.4	78-133		4.33	30	
Bromomethane	26.4		"	10.0		264	43-168	High Bias	3.86	30	
Carbon disulfide	9.27		"	10.0		92.7	68-146		7.68	30	
Carbon tetrachloride	9.70		"	10.0		97.0	77-141		6.58	30	
Chlorobenzene	9.45		"	10.0		94.5	88-120		0.211	30	
Chloroethane	12.8		"	10.0		128	65-136		5.47	30	
Chloroform	9.57		"	10.0		95.7	82-128		3.99	30	
Chloromethane	13.4		"	10.0		134	43-155		4.75	30	
cis-1,2-Dichloroethylene	9.37		"	10.0		93.7	83-129		4.89	30	
cis-1,3-Dichloropropylene	9.82		"	10.0		98.2	80-131		0.921	30	
Cyclohexane	4.17		"	10.0		41.7	63-149	Low Bias	7.17	30	
Dibromochloromethane	9.86		"	10.0		98.6	80-130		3.40	30	
Dibromomethane	9.67		"	10.0		96.7	72-134		0.311	30	
Dichlorodifluoromethane	9.74		"	10.0		97.4	44-144		11.3	30	
Ethyl Benzene	9.74		"	10.0		97.4	80-131		3.23	30	
Isopropylbenzene	9.11		"	10.0		91.1	76-140		2.39	30	
Methyl acetate	7.95		"	10.0		79.5	51-139		1.37	30	
Methyl tert-butyl ether (MTBE)	8.85		"	10.0		88.5	76-135		0.113	30	
Methylcyclohexane	9.93		"	10.0		99.3	72-143		6.62	30	
Methylene chloride	10.3		"	10.0		103	55-137		2.39	30	
n-Butylbenzene	10.1		"	10.0		101	79-132		4.92	30	
n-Propylbenzene	9.31		"	10.0		93.1	78-133		2.75	30	
o-Xylene	9.97		"	10.0		99.7	78-130		1.39	30	
p- & m- Xylenes	19.6		"	20.0		98.1	77-133		2.02	30	
p-Isopropyltoluene	9.93		"	10.0		99.3	81-136		4.05	30	
sec-Butylbenzene	10.0		"	10.0		100	79-137		3.82	30	
Styrene	10.1		"	10.0		101	67-132		1.18	30	
tert-Butyl alcohol (TBA)	31.0		"	50.0		62.0	25-162		0.322	30	
tert-Butylbenzene	8.39		"	10.0		83.9	77-138		1.54	30	
Tetrachloroethylene	8.51		"	10.0		85.1	82-131		1.05	30	
Toluene	9.68		"	10.0		96.8	80-127		0.103	30	
trans-1,2-Dichloroethylene	9.73		"	10.0		97.3	80-132		4.13	30	
trans-1,3-Dichloropropylene	9.49		"	10.0		94.9	78-131		0.630	30	
Trichloroethylene	9.51		"	10.0		95.1	82-128		3.31	30	
Trichlorofluoromethane	11.5		"	10.0		115	67-139		6.31	30	
Vinyl Chloride	12.9		"	10.0		129	58-145		5.86	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	10.3		"	10.0		103	69-130				
Surrogate: SURR: Toluene-d8	10.0		"	10.0		100	81-117				



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 BB01010 - EPA 5030B											
LCS Dup (BB01010-BSD1)						Prepared: 02/25/2020 Analyzed: 02/26/2020					
Surrogate: SURR: p-Bromofluorobenzene	10.0		ug/L	10.0		100	79-122				
Matrix Spike (BB01010-MS1)						*Source sample: 20B0737-01 (MW-5) Prepared: 02/25/2020 Analyzed: 02/26/2020					
1,1,1,2-Tetrachloroethane	6.02		ug/L	10.0	0.00	60.2	45-161				
1,1,1-Trichloroethane	7.73		"	10.0	0.00	77.3	70-146				
1,1,2,2-Tetrachloroethane	8.41		"	10.0	0.00	84.1	74-121				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.2		"	10.0	0.00	102	21-217				
1,1,2-Trichloroethane	8.45		"	10.0	0.00	84.5	59-146				
1,1-Dichloroethane	9.55		"	10.0	0.00	95.5	54-146				
1,1-Dichloroethylene	12.7		"	10.0	0.00	127	44-165				
1,1-Dichloropropylene	9.85		"	10.0	0.00	98.5	82-134				
1,2,3-Trichlorobenzene	10.3		"	10.0	0.00	103	40-161				
1,2,3-Trichloropropane	8.97		"	10.0	0.00	89.7	74-127				
1,2,4,5-Tetramethylbenzene	9.85		"	10.0	0.00	98.5	27-190				
1,2,4-Trichlorobenzene	9.85		"	10.0	0.00	98.5	41-161				
1,2,4-Trimethylbenzene	9.52		"	10.0	0.00	95.2	72-129				
1,2-Dibromo-3-chloropropane	10.3		"	10.0	0.00	103	31-151				
1,2-Dibromoethane	7.43		"	10.0	0.00	74.3	75-125	Low Bias			
1,2-Dichlorobenzene	9.31		"	10.0	0.00	93.1	63-122				
1,2-Dichloroethane	9.97		"	10.0	0.00	99.7	68-131				
1,2-Dichloropropane	9.16		"	10.0	0.00	91.6	77-121				
1,3,5-Trimethylbenzene	9.49		"	10.0	0.00	94.9	69-126				
1,3-Dichlorobenzene	9.03		"	10.0	0.00	90.3	74-119				
1,3-Dichloropropane	8.32		"	10.0	0.00	83.2	77-119				
1,4-Dichlorobenzene	9.17		"	10.0	0.00	91.7	70-124				
1,4-Dioxane	104		"	210	0.00	49.3	10-310				
2,2-Dichloropropane	4.24		"	10.0	0.00	42.4	10-160				
2-Butanone	7.08		"	10.0	0.00	70.8	10-193				
2-Chlorotoluene	9.48		"	10.0	0.00	94.8	70-126				
2-Hexanone	8.37		"	10.0	0.00	83.7	53-133				
4-Chlorotoluene	9.40		"	10.0	0.00	94.0	69-124				
4-Methyl-2-pentanone	8.41		"	10.0	0.00	84.1	38-150				
Acetone	15.6		"	10.0	1.36	142	13-149				
Acrolein	12.4		"	100	0.00	12.4	10-195				
Acrylonitrile	12.3		"	10.0	0.00	123	37-165				
Benzene	9.34		"	10.0	0.00	93.4	38-155				
Bromobenzene	8.99		"	10.0	0.00	89.9	72-122				
Bromochloromethane	7.70		"	10.0	0.00	77.0	75-121				
Bromodichloromethane	7.20		"	10.0	0.00	72.0	70-129				
Bromoform	6.37		"	10.0	0.00	63.7	66-136	Low Bias			
Bromomethane	8.46		"	10.0	0.00	84.6	30-158				
Carbon disulfide	10.6		"	10.0	0.00	106	10-138				
Carbon tetrachloride	2.68		"	10.0	0.00	26.8	71-146	Low Bias			
Chlorobenzene	9.48		"	10.0	0.00	94.8	81-117				
Chloroethane	12.7		"	10.0	0.00	127	51-145				
Chloroform	9.68		"	10.0	0.00	96.8	80-124				
Chloromethane	14.4		"	10.0	0.00	144	16-163				
cis-1,2-Dichloroethylene	8.90		"	10.0	0.00	89.0	76-125				
cis-1,3-Dichloropropylene	5.86		"	10.0	0.00	58.6	58-131				
Cyclohexane	4.52		"	10.0	0.00	45.2	70-130	Low Bias			



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 BB01010 - EPA 5030B

Matrix Spike (BB01010-MS1)		*Source sample: 20B0737-01 (MW-5)					Prepared: 02/25/2020 Analyzed: 02/26/2020				
Dibromochloromethane	6.05		ug/L	10.0	0.00	60.5	71-129	Low Bias			
Dibromomethane	8.64		"	10.0	0.00	86.4	76-120				
Dichlorodifluoromethane	11.3		"	10.0	0.00	113	30-147				
Ethyl Benzene	9.98		"	10.0	0.00	99.8	72-128				
Isopropylbenzene	9.35		"	10.0	0.00	93.5	66-139				
Methyl acetate	6.95		"	10.0	0.00	69.5	10-200				
Methyl tert-butyl ether (MTBE)	7.81		"	10.0	0.00	78.1	75-128				
Methylcyclohexane	10.5		"	10.0	0.00	105	70-130				
Methylene chloride	9.60		"	10.0	0.00	96.0	57-128				
n-Butylbenzene	9.88		"	10.0	0.00	98.8	61-138				
n-Propylbenzene	9.26		"	10.0	0.00	92.6	66-134				
o-Xylene	10.0		"	10.0	0.00	100	69-126				
p- & m- Xylenes	19.8		"	20.0	0.00	99.0	67-130				
p-Isopropyltoluene	9.86		"	10.0	0.00	98.6	64-137				
sec-Butylbenzene	10.0		"	10.0	0.00	100	53-155				
Styrene	9.67		"	10.0	0.00	96.7	69-125				
tert-Butyl alcohol (TBA)	37.8		"	50.0	0.00	75.7	10-130				
tert-Butylbenzene	8.50		"	10.0	0.00	85.0	65-139				
Tetrachloroethylene	8.67		"	10.0	0.00	86.7	64-139				
Toluene	9.39		"	10.0	0.00	93.9	76-123				
trans-1,2-Dichloroethylene	9.78		"	10.0	0.00	97.8	79-131				
trans-1,3-Dichloropropylene	5.27		"	10.0	0.00	52.7	55-130	Low Bias			
Trichloroethylene	9.90		"	10.0	0.00	99.0	53-145				
Trichlorofluoromethane	8.29		"	10.0	0.00	82.9	61-142				
Vinyl Chloride	11.8		"	10.0	0.00	118	31-165				
Surrogate: SURR: 1,2-Dichloroethane-d4	10.3		"	10.0		103	69-130				
Surrogate: SURR: Toluene-d8	9.96		"	10.0		99.6	81-117				
Surrogate: SURR: p-Bromofluorobenzene	9.86		"	10.0		98.6	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 BB01010 - EPA 5030B											
Matrix Spike Dup (BB01010-MSD1)	*Source sample: 20B0737-01 (MW-5)						Prepared: 02/25/2020 Analyzed: 02/26/2020				
1,1,1,2-Tetrachloroethane	6.40		ug/L	10.0	0.00	64.0	45-161		6.12	30	
1,1,1-Trichloroethane	8.20		"	10.0	0.00	82.0	70-146		5.90	30	
1,1,2,2-Tetrachloroethane	8.79		"	10.0	0.00	87.9	74-121		4.42	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.9		"	10.0	0.00	119	21-217		15.0	30	
1,1,2-Trichloroethane	8.77		"	10.0	0.00	87.7	59-146		3.72	30	
1,1-Dichloroethane	9.68		"	10.0	0.00	96.8	54-146		1.35	30	
1,1-Dichloroethylene	14.2		"	10.0	0.00	142	44-165		10.9	30	
1,1-Dichloropropylene	9.91		"	10.0	0.00	99.1	82-134		0.607	30	
1,2,3-Trichlorobenzene	11.0		"	10.0	0.00	110	40-161		6.55	30	
1,2,3-Trichloropropane	9.08		"	10.0	0.00	90.8	74-127		1.22	30	
1,2,4,5-Tetramethylbenzene	9.69		"	10.0	0.00	96.9	27-190		1.64	30	
1,2,4-Trichlorobenzene	10.1		"	10.0	0.00	101	41-161		2.51	30	
1,2,4-Trimethylbenzene	9.45		"	10.0	0.00	94.5	72-129		0.738	30	
1,2-Dibromo-3-chloropropane	10.2		"	10.0	0.00	102	31-151		0.875	30	
1,2-Dibromoethane	6.98		"	10.0	0.00	69.8	75-125	Low Bias	6.25	30	
1,2-Dichlorobenzene	9.32		"	10.0	0.00	93.2	63-122		0.107	30	
1,2-Dichloroethane	9.68		"	10.0	0.00	96.8	68-131		2.95	30	
1,2-Dichloropropane	9.25		"	10.0	0.00	92.5	77-121		0.978	30	
1,3,5-Trimethylbenzene	9.45		"	10.0	0.00	94.5	69-126		0.422	30	
1,3-Dichlorobenzene	9.09		"	10.0	0.00	90.9	74-119		0.662	30	
1,3-Dichloropropane	8.21		"	10.0	0.00	82.1	77-119		1.33	30	
1,4-Dichlorobenzene	8.92		"	10.0	0.00	89.2	70-124		2.76	30	
1,4-Dioxane	158		"	210	0.00	75.4	10-310		41.8	30	Non-dir.
2,2-Dichloropropane	4.11		"	10.0	0.00	41.1	10-160		3.11	30	
2-Butanone	7.93		"	10.0	0.00	79.3	10-193		11.3	30	
2-Chlorotoluene	9.46		"	10.0	0.00	94.6	70-126		0.211	30	
2-Hexanone	8.49		"	10.0	0.00	84.9	53-133		1.42	30	
4-Chlorotoluene	9.39		"	10.0	0.00	93.9	69-124		0.106	30	
4-Methyl-2-pentanone	8.82		"	10.0	0.00	88.2	38-150		4.76	30	
Acetone	16.5		"	10.0	1.36	151	13-149	High Bias	5.68	30	
Acrolein	14.8		"	100	0.00	14.8	10-195		17.6	30	
Acrylonitrile	9.40		"	10.0	0.00	94.0	37-165		26.8	30	
Benzene	9.51		"	10.0	0.00	95.1	38-155		1.80	30	
Bromobenzene	9.11		"	10.0	0.00	91.1	72-122		1.33	30	
Bromochloromethane	8.03		"	10.0	0.00	80.3	75-121		4.20	30	
Bromodichloromethane	7.52		"	10.0	0.00	75.2	70-129		4.35	30	
Bromoform	6.89		"	10.0	0.00	68.9	66-136		7.84	30	
Bromomethane	11.1		"	10.0	0.00	111	30-158		27.3	30	
Carbon disulfide	12.1		"	10.0	0.00	121	10-138		13.6	30	
Carbon tetrachloride	3.17		"	10.0	0.00	31.7	71-146	Low Bias	16.8	30	
Chlorobenzene	9.38		"	10.0	0.00	93.8	81-117		1.06	30	
Chloroethane	12.6		"	10.0	0.00	126	51-145		0.475	30	
Chloroform	9.78		"	10.0	0.00	97.8	80-124		1.03	30	
Chloromethane	15.2		"	10.0	0.00	152	16-163		4.99	30	
cis-1,2-Dichloroethylene	9.11		"	10.0	0.00	91.1	76-125		2.33	30	
cis-1,3-Dichloropropylene	5.91		"	10.0	0.00	59.1	58-131		0.850	30	
Cyclohexane	4.64		"	10.0	0.00	46.4	70-130	Low Bias	2.62	30	
Dibromochloromethane	6.56		"	10.0	0.00	65.6	71-129		8.09	30	
Dibromomethane	8.48		"	10.0	0.00	84.8	76-120		1.87	30	
Dichlorodifluoromethane	10.9		"	10.0	0.00	109	30-147		3.15	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 BB01010 - EPA 5030B

Matrix Spike Dup (BB01010-MSD1)	*Source sample: 20B0737-01 (MW-5)				Prepared: 02/25/2020 Analyzed: 02/26/2020						
Ethyl Benzene	9.80		ug/L	10.0	0.00	98.0	72-128		1.82	30	
Isopropylbenzene	9.18		"	10.0	0.00	91.8	66-139		1.83	30	
Methyl acetate	8.80		"	10.0	0.00	88.0	10-200		23.5	30	
Methyl tert-butyl ether (MTBE)	7.81		"	10.0	0.00	78.1	75-128		0.00	30	
Methylcyclohexane	10.3		"	10.0	0.00	103	70-130		1.93	30	
Methylene chloride	11.2		"	10.0	0.00	112	57-128		14.9	30	
n-Butylbenzene	9.68		"	10.0	0.00	96.8	61-138		2.04	30	
n-Propylbenzene	9.29		"	10.0	0.00	92.9	66-134		0.323	30	
o-Xylene	9.95		"	10.0	0.00	99.5	69-126		0.900	30	
p- & m- Xylenes	19.4		"	20.0	0.00	97.0	67-130		2.04	30	
p-Isopropyltoluene	9.64		"	10.0	0.00	96.4	64-137		2.26	30	
sec-Butylbenzene	9.93		"	10.0	0.00	99.3	53-155		1.10	30	
Styrene	9.54		"	10.0	0.00	95.4	69-125		1.35	30	
tert-Butyl alcohol (TBA)	48.0		"	50.0	0.00	96.1	10-130		23.8	30	
tert-Butylbenzene	8.36		"	10.0	0.00	83.6	65-139		1.66	30	
Tetrachloroethylene	8.37		"	10.0	0.00	83.7	64-139		3.52	30	
Toluene	9.47		"	10.0	0.00	94.7	76-123		0.848	30	
trans-1,2-Dichloroethylene	9.77		"	10.0	0.00	97.7	79-131		0.102	30	
trans-1,3-Dichloropropylene	5.52		"	10.0	0.00	55.2	55-130		4.63	30	
Trichloroethylene	9.66		"	10.0	0.00	96.6	53-145		2.45	30	
Trichlorofluoromethane	9.59		"	10.0	0.00	95.9	61-142		14.5	30	
Vinyl Chloride	12.4		"	10.0	0.00	124	31-165		4.13	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	10.1		"	10.0		101	69-130				
Surrogate: SURR: Toluene-d8	9.90		"	10.0		99.0	81-117				
Surrogate: SURR: p-Bromofluorobenzene	9.95		"	10.0		99.5	79-122				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BB01031 - EPA 3510C

Blank (BB01031-BLK1)

Prepared: 02/21/2020 Analyzed: 02/22/2020

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	5.00	"
2,4,5-Trichlorophenol	ND	5.00	"
2,4,6-Trichlorophenol	ND	5.00	"
2,4-Dichlorophenol	ND	5.00	"
2,4-Dimethylphenol	ND	5.00	"
2,4-Dinitrophenol	ND	5.00	"
2,4-Dinitrotoluene	ND	5.00	"
2,6-Dinitrotoluene	ND	5.00	"
2-Chloronaphthalene	ND	5.00	"
2-Chlorophenol	ND	5.00	"
2-Methylnaphthalene	ND	5.00	"
2-Methylphenol	ND	5.00	"
2-Nitroaniline	ND	5.00	"
2-Nitrophenol	ND	5.00	"
3- & 4-Methylphenols	ND	5.00	"
3,3-Dichlorobenzidine	ND	5.00	"
3-Nitroaniline	ND	5.00	"
4,6-Dinitro-2-methylphenol	ND	5.00	"
4-Bromophenyl phenyl ether	ND	5.00	"
4-Chloro-3-methylphenol	ND	5.00	"
4-Chloroaniline	ND	5.00	"
4-Chlorophenyl phenyl ether	ND	5.00	"
4-Nitroaniline	ND	5.00	"
4-Nitrophenol	ND	5.00	"
Acetophenone	ND	5.00	"
Aniline	ND	5.00	"
Benzaldehyde	ND	5.00	"
Benzidine	ND	5.00	"
Benzoic acid	ND	5.00	"
Benzyl alcohol	ND	5.00	"
Benzyl butyl phthalate	ND	5.00	"
Bis(2-chloroethoxy)methane	ND	5.00	"
Bis(2-chloroethyl)ether	ND	5.00	"
Bis(2-chloroisopropyl)ether	ND	5.00	"
Caprolactam	ND	5.00	"
Carbazole	ND	5.00	"
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	"
Hexachlorocyclopentadiene	ND	10.0	"
Isophorone	ND	5.00	"
N-nitroso-di-n-propylamine	ND	5.00	"



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 BB01031 - EPA 3510C

Blank (BB01031-BLK1)

Prepared: 02/21/2020 Analyzed: 02/22/2020

N-Nitrosodiphenylamine	ND	5.00	ug/L								
Phenol	ND	5.00	"								
Pyridine	ND	5.00	"								
Surrogate: SURR: 2-Fluorophenol	17.9		"	50.0		35.8	19.7-63.1				
Surrogate: SURR: Phenol-d5	9.96		"	50.0		19.9	10.1-41.7				
Surrogate: SURR: Nitrobenzene-d5	17.8		"	25.0		71.2	50.2-113				
Surrogate: SURR: 2-Fluorobiphenyl	18.0		"	25.0		72.1	39.9-105				
Surrogate: SURR: 2,4,6-Tribromophenol	45.9		"	50.0		91.8	39.3-151				
Surrogate: SURR: Terphenyl-d14	23.5		"	25.0		94.2	30.7-106				

Blank (BB01031-BLK2)

Prepared & Analyzed: 02/21/2020

Acenaphthene	ND	0.0500	ug/L								
Acenaphthylene	ND	0.0500	"								
Anthracene	ND	0.0500	"								
Atrazine	ND	0.500	"								
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	"								
Bis(2-ethylhexyl)phthalate	ND	0.500	"								
Chrysene	ND	0.0500	"								
Dibenzo(a,h)anthracene	ND	0.0500	"								
Fluoranthene	ND	0.0500	"								
Fluorene	ND	0.0500	"								
Hexachlorobenzene	ND	0.0200	"								
Hexachlorobutadiene	ND	0.500	"								
Hexachloroethane	ND	0.500	"								
Indeno(1,2,3-cd)pyrene	ND	0.0500	"								
Naphthalene	ND	0.0500	"								
Nitrobenzene	ND	0.250	"								
N-Nitrosodimethylamine	ND	0.500	"								
Pentachlorophenol	ND	0.250	"								
Phenanthrene	ND	0.0500	"								
Pyrene	ND	0.0500	"								



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 BB01031 - EPA 3510C											
LCS (BB01031-BS1)						Prepared: 02/21/2020 Analyzed: 02/22/2020					
1,1-Biphenyl	14.9	5.00	ug/L	25.0		59.5	33-95				
1,2,4,5-Tetrachlorobenzene	15.9	5.00	"	25.2		62.8	26-120				
1,2,4-Trichlorobenzene	14.3	5.00	"	25.0		57.2	20-118				
1,2-Dichlorobenzene	13.5	5.00	"	25.0		53.9	29-111				
1,2-Diphenylhydrazine (as Azobenzene)	14.0	5.00	"	25.0		56.2	16-141				
1,3-Dichlorobenzene	13.0	5.00	"	25.0		52.1	23-117				
1,4-Dichlorobenzene	13.1	5.00	"	25.0		52.3	30-105				
2,3,4,6-Tetrachlorophenol	14.9	5.00	"	25.0		59.5	30-130				
2,4,5-Trichlorophenol	14.3	5.00	"	25.0		57.3	32-114				
2,4,6-Trichlorophenol	15.2	5.00	"	25.0		60.6	35-118				
2,4-Dichlorophenol	15.7	5.00	"	25.0		62.9	25-116				
2,4-Dimethylphenol	14.4	5.00	"	25.0		57.8	15-116				
2,4-Dinitrophenol	8.84	5.00	"	25.0		35.4	10-170				
2,4-Dinitrotoluene	17.1	5.00	"	25.0		68.4	41-128				
2,6-Dinitrotoluene	17.8	5.00	"	25.0		71.3	45-116				
2-Chloronaphthalene	14.5	5.00	"	25.0		57.9	33-112				
2-Chlorophenol	13.6	5.00	"	25.0		54.2	15-120				
2-Methylnaphthalene	16.6	5.00	"	25.0		66.3	24-118				
2-Methylphenol	10.1	5.00	"	25.0		40.4	10-110				
2-Nitroaniline	18.2	5.00	"	25.0		72.7	34-129				
2-Nitrophenol	17.9	5.00	"	25.0		71.5	28-118				
3- & 4-Methylphenols	8.06	5.00	"	25.0		32.2	10-107				
3,3-Dichlorobenzidine	15.3	5.00	"	25.0		61.4	15-187				
3-Nitroaniline	12.6	5.00	"	25.0		50.4	24-134				
4,6-Dinitro-2-methylphenol	15.2	5.00	"	25.0		60.7	10-153				
4-Bromophenyl phenyl ether	16.3	5.00	"	25.0		65.1	34-120				
4-Chloro-3-methylphenol	15.1	5.00	"	25.0		60.6	20-120				
4-Chloroaniline	8.30	5.00	"	25.0		33.2	10-147				
4-Chlorophenyl phenyl ether	15.9	5.00	"	25.0		63.5	27-121				
4-Nitroaniline	15.3	5.00	"	25.0		61.1	13-134				
4-Nitrophenol	7.84	5.00	"	25.0		31.4	10-131				
Acetophenone	13.5	5.00	"	25.0		53.9	25-110				
Aniline	4.98	5.00	"	25.0		19.9	10-117				
Benzaldehyde	14.4	5.00	"	25.0		57.4	29-117				
Benzoic acid	4.54	5.00	"	25.0		18.2	30-130	Low Bias			
Benzyl alcohol	10.8	5.00	"	25.0		43.0	10-117				
Benzyl butyl phthalate	20.0	5.00	"	25.0		80.0	29-133				
Bis(2-chloroethoxy)methane	16.3	5.00	"	25.0		65.1	10-154				
Bis(2-chloroethyl)ether	16.4	5.00	"	25.0		65.7	17-125				
Bis(2-chloroisopropyl)ether	20.3	5.00	"	25.0		81.4	10-139				
Caprolactam	3.96	5.00	"	25.0		15.8	10-137				
Carbazole	17.0	5.00	"	25.0		67.9	42-126				
Dibenzofuran	15.4	5.00	"	25.0		61.6	36-113				
Diethyl phthalate	15.3	5.00	"	25.0		61.1	38-115				
Dimethyl phthalate	17.2	5.00	"	25.0		68.6	38-129				
Di-n-butyl phthalate	17.0	5.00	"	25.0		67.9	31-120				
Di-n-octyl phthalate	22.9	5.00	"	25.0		91.6	21-149				
Hexachlorocyclopentadiene	13.4	10.0	"	25.0		53.6	10-130				
Isophorone	15.4	5.00	"	25.0		61.6	25-127				
N-nitroso-di-n-propylamine	15.3	5.00	"	25.0		61.2	26-122				
N-Nitrosodiphenylamine	19.5	5.00	"	25.0		78.2	23-149				



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 BB01031 - EPA 3510C

LCS (BB01031-BS1)

Prepared: 02/21/2020 Analyzed: 02/22/2020

Phenol	5.76	5.00	ug/L	25.0		23.0	10-110				
Pyridine	4.53	5.00	"	25.2		17.9	10-90				
Surrogate: SURR: 2-Fluorophenol	15.2		"	50.0		30.5	19.7-63.1				
Surrogate: SURR: Phenol-d5	9.38		"	50.0		18.8	10.1-41.7				
Surrogate: SURR: Nitrobenzene-d5	14.9		"	25.0		59.5	50.2-113				
Surrogate: SURR: 2-Fluorobiphenyl	14.8		"	25.0		59.0	39.9-105				
Surrogate: SURR: 2,4,6-Tribromophenol	38.3		"	50.0		76.6	39.3-151				
Surrogate: SURR: Terphenyl-d14	18.2		"	25.0		72.6	30.7-106				

LCS (BB01031-BS2)

Prepared & Analyzed: 02/21/2020

Acenaphthene	0.780	0.0500	ug/L	1.00		78.0	25-116				
Acenaphthylene	0.900	0.0500	"	1.00		90.0	26-116				
Anthracene	0.900	0.0500	"	1.00		90.0	25-123				
Benzo(a)anthracene	1.15	0.0500	"	1.00		115	33-125				
Benzo(a)pyrene	1.09	0.0500	"	1.00		109	32-132				
Benzo(b)fluoranthene	1.17	0.0500	"	1.00		117	22-137				
Benzo(g,h,i)perylene	0.950	0.0500	"	1.00		95.0	10-138				
Benzo(k)fluoranthene	0.990	0.0500	"	1.00		99.0	20-137				
Bis(2-ethylhexyl)phthalate	1.52	0.500	"	1.00		152	10-189				
Chrysene	0.920	0.0500	"	1.00		92.0	32-124				
Dibenzo(a,h)anthracene	1.08	0.0500	"	1.00		108	16-133				
Fluoranthene	1.08	0.0500	"	1.00		108	32-121				
Fluorene	0.920	0.0500	"	1.00		92.0	28-118				
Hexachlorobenzene	0.930	0.0200	"	1.00		93.0	23-124				
Hexachlorobutadiene	0.770	0.500	"	1.00		77.0	15-123				
Hexachloroethane	0.720	0.500	"	1.00		72.0	18-115				
Indeno(1,2,3-cd)pyrene	1.07	0.0500	"	1.00		107	15-135				
Naphthalene	0.780	0.0500	"	1.00		78.0	18-120				
Nitrobenzene	1.34	0.250	"	1.00		134	21-121	High Bias			
N-Nitrosodimethylamine	ND	0.500	"	1.00			10-124	Low Bias			
Pentachlorophenol	0.840	0.250	"	1.00		84.0	10-156				
Phenanthrene	0.840	0.0500	"	1.00		84.0	24-127				
Pyrene	1.01	0.0500	"	1.00		101	31-132				



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 BB01031 - EPA 3510C											
Matrix Spike (BB01031-MS1)	*Source sample: 20B0737-01 (MW-5)						Prepared: 02/21/2020 Analyzed: 02/24/2020				
1,1-Biphenyl	19.1	5.26	ug/L	26.3	ND	72.4	26-79				
1,2,4,5-Tetrachlorobenzene	18.9	5.26	"	26.6	ND	71.0	33-90				
1,2,4-Trichlorobenzene	18.1	5.26	"	26.3	ND	68.7	31-88				
1,2-Dichlorobenzene	18.1	5.26	"	26.3	ND	68.9	24-93				
1,2-Diphenylhydrazine (as Azobenzene)	19.2	5.26	"	26.3	ND	72.8	21-107				
1,3-Dichlorobenzene	17.7	5.26	"	26.3	ND	67.3	28-86				
1,4-Dichlorobenzene	17.8	5.26	"	26.3	ND	67.8	25-85				
2,3,4,6-Tetrachlorophenol	19.5	5.26	"	26.3	ND	74.1	30-130				
2,4,5-Trichlorophenol	18.2	5.26	"	26.3	ND	69.2	43-96				
2,4,6-Trichlorophenol	18.2	5.26	"	26.3	ND	69.3	46-94				
2,4-Dichlorophenol	20.7	5.26	"	26.3	ND	78.6	26-101				
2,4-Dimethylphenol	18.2	5.26	"	26.3	ND	69.3	10-104				
2,4-Dinitrophenol	13.7	5.26	"	26.3	ND	52.2	10-146				
2,4-Dinitrotoluene	21.7	5.26	"	26.3	ND	82.5	30-108				
2,6-Dinitrotoluene	21.4	5.26	"	26.3	ND	81.2	38-98				
2-Chloronaphthalene	17.8	5.26	"	26.3	ND	67.8	30-89				
2-Chlorophenol	18.0	5.26	"	26.3	ND	68.4	24-98				
2-Methylnaphthalene	21.7	5.26	"	26.3	ND	82.5	10-112				
2-Methylphenol	14.0	5.26	"	26.3	ND	53.1	10-134				
2-Nitroaniline	21.6	5.26	"	26.3	ND	82.0	25-110				
2-Nitrophenol	21.5	5.26	"	26.3	ND	81.6	10-139				
3- & 4-Methylphenols	11.7	5.26	"	26.3	ND	44.5	10-91				
3,3-Dichlorobenzidine	16.5	5.26	"	26.3	ND	62.5	10-140				
3-Nitroaniline	16.5	5.26	"	26.3	ND	62.5	22-111				
4,6-Dinitro-2-methylphenol	21.9	5.26	"	26.3	ND	83.4	10-140				
4-Bromophenyl phenyl ether	20.3	5.26	"	26.3	ND	77.3	30-108				
4-Chloro-3-methylphenol	20.1	5.26	"	26.3	ND	76.5	11-109				
4-Chloroaniline	10.9	5.26	"	26.3	ND	41.6	10-116				
4-Chlorophenyl phenyl ether	19.5	5.26	"	26.3	ND	74.0	39-85				
4-Nitroaniline	21.8	5.26	"	26.3	ND	83.0	11-132				
4-Nitrophenol	12.1	5.26	"	26.3	ND	46.1	10-82				
Acetophenone	18.5	5.26	"	26.3	ND	70.4	14-102				
Aniline	7.88	5.26	"	26.3	ND	30.0	10-80				
Benzaldehyde	18.7	5.26	"	26.3	ND	71.2	13-87				
Benzoic acid	7.91	5.26	"	26.3	ND	30.0	10-162				
Benzyl alcohol	14.4	5.26	"	26.3	ND	54.7	10-102				
Benzyl butyl phthalate	27.2	5.26	"	26.3	ND	103	10-133				
Bis(2-chloroethoxy)methane	21.3	5.26	"	26.3	ND	80.8	18-105				
Bis(2-chloroethyl)ether	21.1	5.26	"	26.3	ND	80.0	10-108				
Bis(2-chloroisopropyl)ether	30.3	5.26	"	26.3	ND	115	13-116				
Caprolactam	3.84	5.26	"	26.3	ND	14.6	10-75				
Carbazole	24.6	5.26	"	26.3	ND	93.5	36-108				
Dibenzofuran	19.5	5.26	"	26.3	ND	74.0	34-92				
Diethyl phthalate	19.8	5.26	"	26.3	ND	75.4	33-98				
Dimethyl phthalate	19.3	5.26	"	26.3	ND	73.4	18-116				
Di-n-butyl phthalate	23.2	5.26	"	26.3	ND	88.2	25-97				
Di-n-octyl phthalate	31.9	5.26	"	26.3	ND	121	10-137				
Hexachlorocyclopentadiene	13.9	10.5	"	26.3	ND	52.8	10-79				
Isophorone	20.8	5.26	"	26.3	ND	79.1	25-103				
N-nitroso-di-n-propylamine	20.1	5.26	"	26.3	ND	76.5	19-115				
N-Nitrosodiphenylamine	26.4	5.26	"	26.3	ND	100	31-112				



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 BB01031 - EPA 3510C											
Matrix Spike (BB01031-MS1)		*Source sample: 20B0737-01 (MW-5)						Prepared: 02/21/2020 Analyzed: 02/24/2020			
Phenol	8.25	5.26	ug/L	26.3	ND	31.4	10-61				
Pyridine	6.80	5.26	"	26.6	ND	25.6	10-78				
Surrogate: SURR: 2-Fluorophenol	21.0		"	52.6		40.0	19.7-63.1				
Surrogate: SURR: Phenol-d5	13.1		"	52.6		24.9	10.1-41.7				
Surrogate: SURR: Nitrobenzene-d5	18.1		"	26.3		68.6	50.2-113				
Surrogate: SURR: 2-Fluorobiphenyl	18.0		"	26.3		68.2	39.9-105				
Surrogate: SURR: 2,4,6-Tribromophenol	46.9		"	52.6		89.1	39.3-151				
Surrogate: SURR: Terphenyl-d14	20.6		"	26.3		78.4	30.7-106				
Matrix Spike Dup (BB01031-MSD1)		*Source sample: 20B0737-01 (MW-5)						Prepared: 02/21/2020 Analyzed: 02/24/2020			
1,1-Biphenyl	17.8	5.13	ug/L	25.6	ND	69.3	26-79		6.94	25	
1,2,4,5-Tetrachlorobenzene	18.0	5.13	"	25.9	ND	69.7	33-90		4.57	25	
1,2,4-Trichlorobenzene	16.8	5.13	"	25.6	ND	65.7	31-88		7.06	25	
1,2-Dichlorobenzene	16.6	5.13	"	25.6	ND	64.6	24-93		9.00	25	
1,2-Diphenylhydrazine (as Azobenzene)	18.0	5.13	"	25.6	ND	70.0	21-107		6.46	25	
1,3-Dichlorobenzene	16.1	5.13	"	25.6	ND	62.9	28-86		9.35	25	
1,4-Dichlorobenzene	16.5	5.13	"	25.6	ND	64.2	25-85		8.11	25	
2,3,4,6-Tetrachlorophenol	18.9	5.13	"	25.6	ND	73.6	30-130		3.19	25	
2,4,5-Trichlorophenol	17.3	5.13	"	25.6	ND	67.5	43-96		5.05	25	
2,4,6-Trichlorophenol	17.4	5.13	"	25.6	ND	68.0	46-94		4.46	25	
2,4-Dichlorophenol	18.9	5.13	"	25.6	ND	73.5	26-101		9.27	25	
2,4-Dimethylphenol	17.1	5.13	"	25.6	ND	66.7	10-104		6.42	25	
2,4-Dinitrophenol	11.7	5.13	"	25.6	ND	45.5	10-146		16.3	25	
2,4-Dinitrotoluene	20.2	5.13	"	25.6	ND	78.8	30-108		7.16	25	
2,6-Dinitrotoluene	20.6	5.13	"	25.6	ND	80.4	38-98		3.64	25	
2-Chloronaphthalene	17.0	5.13	"	25.6	ND	66.5	30-89		4.50	25	
2-Chlorophenol	16.5	5.13	"	25.6	ND	64.5	24-98		8.49	25	
2-Methylnaphthalene	20.0	5.13	"	25.6	ND	78.0	10-112		8.23	25	
2-Methylphenol	12.7	5.13	"	25.6	ND	49.4	10-134		9.85	25	
2-Nitroaniline	20.4	5.13	"	25.6	ND	79.7	25-110		5.47	25	
2-Nitrophenol	19.6	5.13	"	25.6	ND	76.4	10-139		9.17	25	
3- & 4-Methylphenols	10.7	5.13	"	25.6	ND	41.6	10-91		9.38	25	
3,3-Dichlorobenzidine	16.3	5.13	"	25.6	ND	63.7	10-140		0.696	25	
3-Nitroaniline	15.5	5.13	"	25.6	ND	60.4	22-111		6.05	25	
4,6-Dinitro-2-methylphenol	19.4	5.13	"	25.6	ND	75.8	10-140		12.1	25	
4-Bromophenyl phenyl ether	19.3	5.13	"	25.6	ND	75.2	30-108		5.38	25	
4-Chloro-3-methylphenol	18.4	5.13	"	25.6	ND	71.7	11-109		9.07	25	
4-Chloroaniline	10.3	5.13	"	25.6	ND	40.1	10-116		6.22	25	
4-Chlorophenyl phenyl ether	18.5	5.13	"	25.6	ND	72.2	39-85		5.06	25	
4-Nitroaniline	20.5	5.13	"	25.6	ND	80.1	11-132		6.18	25	
4-Nitrophenol	11.7	5.13	"	25.6	ND	45.7	10-82		3.38	25	
Acetophenone	16.5	5.13	"	25.6	ND	64.3	14-102		11.6	25	
Aniline	4.19	5.13	"	25.6	ND	16.4	10-80		61.1	25	Non-dir.
Benzaldehyde	16.9	5.13	"	25.6	ND	65.7	13-87		10.5	25	
Benzoic acid	6.78	5.13	"	25.6	ND	26.4	10-162		15.3	25	
Benzyl alcohol	13.7	5.13	"	25.6	ND	53.6	10-102		4.67	25	
Benzyl butyl phthalate	24.8	5.13	"	25.6	ND	96.8	10-133		9.31	25	
Bis(2-chloroethoxy)methane	19.4	5.13	"	25.6	ND	75.5	18-105		9.30	25	
Bis(2-chloroethyl)ether	18.8	5.13	"	25.6	ND	73.3	10-108		11.4	25	
Bis(2-chloroisopropyl)ether	27.7	5.13	"	25.6	ND	108	13-116		8.72	25	
Caprolactam	3.46	5.13	"	25.6	ND	13.5	10-75		10.6	25	



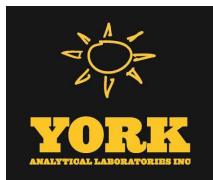
Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BB01031 - EPA 3510C

Matrix Spike Dup (BB01031-MSD1)		*Source sample: 20B0737-01 (MW-5)					Prepared: 02/21/2020 Analyzed: 02/24/2020				
Carbazole	22.8	5.13	ug/L	25.6	ND	89.0	36-108		7.51	25	
Dibenzofuran	18.4	5.13	"	25.6	ND	71.9	34-92		5.50	25	
Diethyl phthalate	18.5	5.13	"	25.6	ND	72.2	33-98		6.93	25	
Dimethyl phthalate	18.6	5.13	"	25.6	ND	72.4	18-116		4.08	25	
Di-n-butyl phthalate	21.5	5.13	"	25.6	ND	83.9	25-97		7.66	25	
Di-n-octyl phthalate	29.5	5.13	"	25.6	ND	115	10-137		7.78	25	
Hexachlorocyclopentadiene	13.2	10.3	"	25.6	ND	51.6	10-79		4.74	25	
Isophorone	18.8	5.13	"	25.6	ND	73.4	25-103		10.1	25	
N-nitroso-di-n-propylamine	18.3	5.13	"	25.6	ND	71.3	19-115		9.63	25	
N-Nitrosodiphenylamine	25.0	5.13	"	25.6	ND	97.6	31-112		5.50	25	
Phenol	7.26	5.13	"	25.6	ND	28.3	10-61		12.8	25	
Pyridine	6.48	5.13	"	25.9	ND	25.0	10-78		4.79	25	
Surrogate: SURR: 2-Fluorophenol	18.8		"	51.3		36.7	19.7-63.1				
Surrogate: SURR: Phenol-d5	11.2		"	51.3		21.9	10.1-41.7				
Surrogate: SURR: Nitrobenzene-d5	16.5		"	25.6		64.5	50.2-113				
Surrogate: SURR: 2-Fluorobiphenyl	16.7		"	25.6		65.3	39.9-105				
Surrogate: SURR: 2,4,6-Tribromophenol	44.4		"	51.3		86.6	39.3-151				
Surrogate: SURR: Terphenyl-d14	20.0		"	25.6		77.9	30.7-106				



Semivolatile Organic Compounds by GC/MS/SIM - 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 BB01226 - EPA 3535A											
Blank (BB01226-BLK1)						Prepared & Analyzed: 02/25/2020					
1,4-Dioxane	ND	0.200	ug/L								
Surrogate: 1,4-Dioxane-d8	4.20		"	5.00		84.0	36.6-118				
LCS (BB01226-BS1)						Prepared & Analyzed: 02/25/2020					
1,4-Dioxane	4.72	0.200	ug/L	5.00		94.4	50-130				
Surrogate: 1,4-Dioxane-d8	3.60		"	5.00		72.0	36.6-118				
Matrix Spike (BB01226-MS1)						Prepared & Analyzed: 02/25/2020					
1,4-Dioxane	4.76	0.200	ug/L	5.00	ND	95.2	50-130				
Surrogate: 1,4-Dioxane-d8	4.20		"	5.00		84.0	50-130				
Matrix Spike Dup (BB01226-MSD1)						Prepared & Analyzed: 02/25/2020					
1,4-Dioxane	5.24	0.200	ug/L	5.00	ND	105	50-130		9.60	30	
Surrogate: 1,4-Dioxane-d8	4.20		"	5.00		84.0	50-130				



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
20B0737-01	MW-5	40mL Clear Vial (pre-pres.) HCl; Cool to 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.
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.
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.
QM-01	The spike recovery for this QC sample is outside of established control limits due to sample 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.
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.
EXT-EM	The sample exhibited emulsion formation during the extraction process. This may affect surrogate recoveries.
CCV-L	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 low.
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.

ANALYTICAL LABORATORIES, INC.

20 RESEARCH DR. STRATFORD, CT 06615
(203) 325-1371 FAX (203) 357-0166

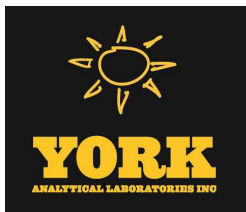
Field Chain-of-Custody Record

Page 1 of 1

NOTE: York's Std. Terms & Conditions are listed on the back side of this document.
This document serves as your written authorization to York to proceed with the analyses requested and your signature binds you to York's Std. Terms & Conditions.

York Project No. 2060737

[illegible]



Technical Report

prepared for:

Hydro Environmental Solutions

One Deans Bridge Road

Somers NY, 10589

Attention: Bill Canavan

Report Date: 02/25/2020

Client Project ID: 130 Midland Avenue, Port Chester, New York

York Project (SDG) No.: 20B0500

CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037



New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

120 RESEARCH DRIVE
www.YORKLAB.com

STRATFORD, CT 06615
(203) 325-1371



132-02 89th AVENUE
FAX (203) 357-0166

RICHMOND HILL, NY 11418
ClientServices@yorklab.com

Report Date: 02/25/2020
Client Project ID: 130 Midland Avenue, Port Chester, New York
York Project (SDG) No.: 20B0500

Hydro Environmental Solutions
One Deans Bridge Road
Somers NY, 10589
Attention: Bill Canavan

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 February 14, 2020 and listed below. The project was identified as your project: **130 Midland Avenue, Port Chester, New York.**

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>
20B0500-01	MW-1	Water	02/13/2020	02/14/2020
20B0500-02	MW-2	Water	02/13/2020	02/14/2020
20B0500-03	Field Blank	Water	02/13/2020	02/14/2020

General Notes for York Project (SDG) No.: 20B0500

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:



Benjamin Gulizia
Laboratory Director

Date: 02/25/2020





Sample Information

Client Sample ID: MW-1

York Sample ID: 20B0500-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20B0500

130 Midland Avenue, Port Chester, New York

Water

February 13, 2020 12:00 am

02/14/2020

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	5.58		ng/L	2.00	1	EPA 537m Certifications:	02/19/2020 17:55	02/25/2020 01:48	KT
307-24-4	* Perfluorohexanoic acid (PFHxA)	22.9		ng/L	2.00	1	EPA 537m Certifications:	02/19/2020 17:55	02/25/2020 01:48	KT
375-85-9	* Perfluoroheptanoic acid (PFHpA)	13.1		ng/L	2.00	1	EPA 537m Certifications:	02/19/2020 17:55	02/25/2020 01:48	KT
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	3.93		ng/L	2.00	1	EPA 537m Certifications:	02/19/2020 17:55	02/25/2020 01:48	KT
335-67-1	* Perfluorooctanoic acid (PFOA)	28.0		ng/L	2.00	1	EPA 537m Certifications:	02/19/2020 17:55	02/25/2020 01:48	KT
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	43.7		ng/L	2.00	1	EPA 537m Certifications:	02/19/2020 17:55	02/25/2020 01:48	KT
375-95-1	* Perfluorononanoic acid (PFNA)	5.73		ng/L	2.00	1	EPA 537m Certifications:	02/19/2020 17:55	02/25/2020 01:48	KT
335-76-2	* Perfluorodecanoic acid (PFDA)	4.18		ng/L	2.00	1	EPA 537m Certifications:	02/19/2020 17:55	02/25/2020 01:48	KT
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	2.00	1	EPA 537m Certifications:	02/19/2020 17:55	02/25/2020 01:48	KT
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	2.00	1	EPA 537m Certifications:	02/19/2020 17:55	02/25/2020 01:48	KT
72629-94-8	* Perfluorotridecanoic acid (PFTTrDA)	ND		ng/L	2.00	1	EPA 537m Certifications:	02/19/2020 17:55	02/25/2020 01:48	KT
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	2.00	1	EPA 537m Certifications:	02/19/2020 17:55	02/25/2020 01:48	KT
2355-31-9	* N-MeFOSAA	ND		ng/L	2.00	1	EPA 537m Certifications:	02/19/2020 17:55	02/25/2020 01:48	KT
2991-50-6	* N-EtFOSAA	ND		ng/L	2.00	1	EPA 537m Certifications:	02/19/2020 17:55	02/25/2020 01:48	KT
2706-90-3	* Perfluoropentanoic acid (PFPeA)	24.9		ng/L	2.00	1	EPA 537m Certifications:	02/19/2020 17:55	02/25/2020 01:48	KT
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	2.00	1	EPA 537m Certifications:	02/19/2020 17:55	02/25/2020 01:48	KT
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	2.00	1	EPA 537m Certifications:	02/19/2020 17:55	02/25/2020 01:48	KT
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	2.00	1	EPA 537m Certifications:	02/19/2020 17:55	02/25/2020 01:48	KT
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	5.00	1	EPA 537m Certifications:	02/19/2020 17:55	02/25/2020 01:48	KT
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	2.00	1	EPA 537m Certifications:	02/19/2020 17:55	02/25/2020 01:48	KT
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	12.2	B	ng/L	2.00	1	EPA 537m Certifications:	02/19/2020 17:55	02/25/2020 01:48	KT



Sample Information

Client Sample ID: MW-1

York Sample ID: 20B0500-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20B0500

130 Midland Avenue, Port Chester, New York

Water

February 13, 2020 12:00 am

02/14/2020

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
Surrogate Recoveries		Result		Acceptance Range						
	Surrogate: M3PFBS	64.7 %		25-150						
	Surrogate: M5PFHxA	57.2 %		25-150						
	Surrogate: M4PFHpA	53.3 %		25-150						
	Surrogate: M3PFHxS	71.3 %		25-150						
	Surrogate: Perfluoro-n- [13C8]octanoic acid (M8PFOA)	69.7 %		25-150						
	Surrogate: M6PFDA	61.5 %		25-150						
	Surrogate: M7PFUdA	41.8 %		25-150						
	Surrogate: Perfluoro-n- [1,2-13C2]dodecanoic acid (MPFDoA)	23.1 %	PFSu-L	25-150						
	Surrogate: M2PFTeDA	9.23 %	PFSu-L	10-150						
	Surrogate: Perfluoro-n- [13C4]butanoic acid (MPFBA)	38.5 %		25-150						
	Surrogate: Perfluoro-1- [13C8]octanesulfonic acid (M8PFOS)	64.4 %		25-150						
	Surrogate: Perfluoro-n- [13C5]pentanoic acid (M5PFPeA)	52.0 %		25-150						
	Surrogate: Perfluoro-1- [13C8]octanesulfonamide (M8FOSA)	42.5 %		10-150						
	Surrogate: d3-N-MeFOSAA	78.7 %		25-150						
	Surrogate: d5-N-EtFOSAA	69.9 %		25-150						
	Surrogate: M2-6:2 FTS	242 %	PFSu-H	25-150						
	Surrogate: M2-8:2 FTS	282 %	PFSu-H	25-150						
	Surrogate: M9PFNA	69.1 %		25-150						

Sample Information

Client Sample ID: MW-2

York Sample ID: 20B0500-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20B0500

130 Midland Avenue, Port Chester, New York

Water

February 13, 2020 12:00 am

02/14/2020

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	17.1		ng/L	2.00	1	EPA 537m Certifications:	02/19/2020 17:55	02/25/2020 02:37	KT
307-24-4	* Perfluorohexanoic acid (PFHxA)	24.7		ng/L	2.00	1	EPA 537m Certifications:	02/19/2020 17:55	02/25/2020 02:37	KT



Sample Information

Client Sample ID: MW-2

York Sample ID: 20B0500-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20B0500

130 Midland Avenue, Port Chester, New York

Water

February 13, 2020 12:00 am

02/14/2020

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-85-9	* Perfluoroheptanoic acid (PFHpA)	7.42		ng/L	2.00	1	EPA 537m Certifications:	02/19/2020 17:55	02/25/2020 02:37	KT
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	2.00	1	EPA 537m Certifications:	02/19/2020 17:55	02/25/2020 02:37	KT
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ng/L	2.00	1	EPA 537m Certifications:	02/19/2020 17:55	02/25/2020 02:37	KT
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	2.00	1	EPA 537m Certifications:	02/19/2020 17:55	02/25/2020 02:37	KT
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ng/L	2.00	1	EPA 537m Certifications:	02/19/2020 17:55	02/25/2020 02:37	KT
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	2.00	1	EPA 537m Certifications:	02/19/2020 17:55	02/25/2020 02:37	KT
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	2.00	1	EPA 537m Certifications:	02/19/2020 17:55	02/25/2020 02:37	KT
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	2.00	1	EPA 537m Certifications:	02/19/2020 17:55	02/25/2020 02:37	KT
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	2.00	1	EPA 537m Certifications:	02/19/2020 17:55	02/25/2020 02:37	KT
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	2.00	1	EPA 537m Certifications:	02/19/2020 17:55	02/25/2020 02:37	KT
2355-31-9	* N-MeFOSAA	ND		ng/L	2.00	1	EPA 537m Certifications:	02/19/2020 17:55	02/25/2020 02:37	KT
2991-50-6	* N-EtFOSAA	ND		ng/L	2.00	1	EPA 537m Certifications:	02/19/2020 17:55	02/25/2020 02:37	KT
2706-90-3	* Perfluoropentanoic acid (PFPeA)	20.2		ng/L	2.00	1	EPA 537m Certifications:	02/19/2020 17:55	02/25/2020 02:37	KT
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	2.00	1	EPA 537m Certifications:	02/19/2020 17:55	02/25/2020 02:37	KT
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	2.00	1	EPA 537m Certifications:	02/19/2020 17:55	02/25/2020 02:37	KT
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	2.00	1	EPA 537m Certifications:	02/19/2020 17:55	02/25/2020 02:37	KT
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	5.00	1	EPA 537m Certifications:	02/19/2020 17:55	02/25/2020 02:37	KT
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	2.00	1	EPA 537m Certifications:	02/19/2020 17:55	02/25/2020 02:37	KT
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	19.5	B	ng/L	2.00	1	EPA 537m Certifications:	02/19/2020 17:55	02/25/2020 02:37	KT
Surrogate Recoveries		Result	Acceptance Range							
Surrogate: M3PFBS		62.8 %	25-150							
Surrogate: M5PFHxA		40.4 %	25-150							
Surrogate: M4PFHpA		46.9 %	25-150							
Surrogate: M3PFHxS		75.1 %	25-150							



Sample Information

Client Sample ID: MW-2

York Sample ID: 20B0500-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20B0500

130 Midland Avenue, Port Chester, New York

Water

February 13, 2020 12:00 am

02/14/2020

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	78.3 %			25-150					
	Surrogate: M6PFDA	63.0 %			25-150					
	Surrogate: M7PFUdA	42.9 %			25-150					
	Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	23.6 %	PFSu-L		25-150					
	Surrogate: M2PFTeDA	24.4 %			10-150					
	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	7.99 %	PFSu-L		25-150					
	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	69.8 %			25-150					
	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	25.3 %			25-150					
	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	8.18 %	PFSu-L		10-150					
	Surrogate: d3-N-MeFOSAA	59.7 %			25-150					
	Surrogate: d5-N-EtFOSAA	50.7 %			25-150					
	Surrogate: M2-6:2 FTS	217 %	PFSu-H		25-150					
	Surrogate: M2-8:2 FTS	157 %	PFSu-H		25-150					
	Surrogate: M9PFNA	89.4 %			25-150					

Sample Information

Client Sample ID: Field Blank

York Sample ID: 20B0500-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20B0500

130 Midland Avenue, Port Chester, New York

Water

February 13, 2020 12:00 am

02/14/2020

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	2.00	1	EPA 537m Certifications:	02/19/2020 17:55	02/25/2020 03:27	KT
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ng/L	2.00	1	EPA 537m Certifications:	02/19/2020 17:55	02/25/2020 03:27	KT
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ng/L	2.00	1	EPA 537m Certifications:	02/19/2020 17:55	02/25/2020 03:27	KT
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	2.00	1	EPA 537m Certifications:	02/19/2020 17:55	02/25/2020 03:27	KT
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ng/L	2.00	1	EPA 537m Certifications:	02/19/2020 17:55	02/25/2020 03:27	KT



Sample Information

Client Sample ID: Field Blank

York Sample ID: 20B0500-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20B0500

130 Midland Avenue, Port Chester, New York

Water

February 13, 2020 12:00 am

02/14/2020

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	2.00	1	EPA 537m Certifications:	02/19/2020 17:55	02/25/2020 03:27	KT
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ng/L	2.00	1	EPA 537m Certifications:	02/19/2020 17:55	02/25/2020 03:27	KT
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	2.00	1	EPA 537m Certifications:	02/19/2020 17:55	02/25/2020 03:27	KT
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	2.00	1	EPA 537m Certifications:	02/19/2020 17:55	02/25/2020 03:27	KT
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	2.00	1	EPA 537m Certifications:	02/19/2020 17:55	02/25/2020 03:27	KT
72629-94-8	* Perfluorotridecanoic acid (PFTriDA)	ND		ng/L	2.00	1	EPA 537m Certifications:	02/19/2020 17:55	02/25/2020 03:27	KT
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	2.00	1	EPA 537m Certifications:	02/19/2020 17:55	02/25/2020 03:27	KT
2355-31-9	* N-MeFOSAA	ND		ng/L	2.00	1	EPA 537m Certifications:	02/19/2020 17:55	02/25/2020 03:27	KT
2991-50-6	* N-EtFOSAA	ND		ng/L	2.00	1	EPA 537m Certifications:	02/19/2020 17:55	02/25/2020 03:27	KT
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ng/L	2.00	1	EPA 537m Certifications:	02/19/2020 17:55	02/25/2020 03:27	KT
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	2.00	1	EPA 537m Certifications:	02/19/2020 17:55	02/25/2020 03:27	KT
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	2.00	1	EPA 537m Certifications:	02/19/2020 17:55	02/25/2020 03:27	KT
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	2.00	1	EPA 537m Certifications:	02/19/2020 17:55	02/25/2020 03:27	KT
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	5.00	1	EPA 537m Certifications:	02/19/2020 17:55	02/25/2020 03:27	KT
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	2.00	1	EPA 537m Certifications:	02/19/2020 17:55	02/25/2020 03:27	KT
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	2.50	B	ng/L	2.00	1	EPA 537m Certifications:	02/19/2020 17:55	02/25/2020 03:27	KT

Surrogate Recoveries

Result

Acceptance Range

Surrogate: M3PFBS

69.8 %

25-150

Surrogate: M5PFHxA

75.0 %

25-150

Surrogate: M4PFHpA

69.1 %

25-150

Surrogate: M3PFHxS

73.1 %

25-150

Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)

74.7 %

25-150

Surrogate: M6PFDA

65.8 %

25-150

Surrogate: M7PFUdA

66.7 %

25-150

Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)

54.3 %

25-150



Sample Information

Client Sample ID: Field Blank

York Sample ID: 20B0500-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20B0500

130 Midland Avenue, Port Chester, New York

Water

February 13, 2020 12:00 am

02/14/2020

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: M2PFTeDA	27.7 %							10-150	
	Surrogate: Perfluoro-n- [13C4]butanoic acid (MPFBA)	82.0 %							25-150	
	Surrogate: Perfluoro-1- [13C8]octanesulfonic acid (M8PFOS)	68.4 %							25-150	
	Surrogate: Perfluoro-n- [13C5]pentanoic acid (M5PFPeA)	76.9 %							25-150	
	Surrogate: Perfluoro-1- [13C8]octanesulfonamide (M8FOSA)	69.2 %							10-150	
	Surrogate: d3-N-MeFOSAA	67.9 %							25-150	
	Surrogate: d5-N-EtFOSAA	68.3 %							25-150	
	Surrogate: M2-6:2 FTS	82.9 %							25-150	
	Surrogate: M2-8:2 FTS	97.8 %							25-150	
	Surrogate: M9PFNA	71.7 %							25-150	



Analytical Batch Summary

Batch ID: BB00933

Preparation Method: SPE Ext-PFAS-EPA 537.1M

Prepared By: WL

YORK Sample ID	Client Sample ID	Preparation Date
20B0500-01	MW-1	02/19/20
20B0500-02	MW-2	02/19/20
20B0500-03	Field Blank	02/19/20
BB00933-BLK1	Blank	02/19/20
BB00933-BS1	LCS	02/19/20
BB00933-DUP1	Duplicate	02/19/20
BB00933-MS1	Matrix Spike	02/19/20



PFAS Target compounds by LC/MS-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 BB00933 - SPE Ext-PFAS-EPA 537.1M

Blank (BB00933-BLK1)

Prepared: 02/19/2020 Analyzed: 02/25/2020

Perfluorobutanesulfonic acid (PFBS)	ND	2.00	ng/L								
Perfluorohexanoic acid (PFHxA)	ND	2.00	"								
Perfluoroheptanoic acid (PFHpA)	ND	2.00	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	2.00	"								
Perfluorooctanoic acid (PFOA)	ND	2.00	"								
Perfluorooctanesulfonic acid (PFOS)	ND	2.00	"								
Perfluorononanoic acid (PFNA)	ND	2.00	"								
Perfluorodecanoic acid (PFDA)	ND	2.00	"								
Perfluoroundecanoic acid (PFUnA)	ND	2.00	"								
Perfluorododecanoic acid (PFDoA)	ND	2.00	"								
Perfluorotridecanoic acid (PFTriDA)	ND	2.00	"								
Perfluorotetradecanoic acid (PFTA)	ND	2.00	"								
N-MeFOSAA	ND	2.00	"								
N-EtFOSAA	ND	2.00	"								
Perfluoropentanoic acid (PFPeA)	ND	2.00	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	2.00	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	2.00	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	2.00	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND	5.00	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND	2.00	"								
Perfluoro-n-butanoic acid (PFBA)	2.73	2.00	"								
Surrogate: M3PFBS	58.1		"	74.3		78.2	25-150				
Surrogate: M5PFHxA	65.3		"	80.0		81.6	25-150				
Surrogate: M4PFHpA	66.4		"	80.0		82.9	25-150				
Surrogate: M3PFHxS	60.9		"	75.7		80.4	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	65.7		"	80.0		82.2	25-150				
Surrogate: M6PFDA	59.9		"	80.0		74.9	25-150				
Surrogate: M7PFUdA	41.5		"	80.0		51.9	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	20.9		"	80.0		26.2	25-150				
Surrogate: M2PFTeDA	13.4		"	80.0		16.7	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	72.6		"	80.0		90.8	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	55.8		"	76.6		72.9	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	66.4		"	80.0		83.0	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	60.2		"	80.0		75.2	10-150				
Surrogate: d3-N-MeFOSAA	60.9		"	80.0		76.1	25-150				
Surrogate: d5-N-EtFOSAA	55.3		"	80.0		69.1	25-150				
Surrogate: M2-6:2 FTS	63.0		"	75.9		82.9	25-150				
Surrogate: M2-8:2 FTS	79.6		"	76.6		104	25-150				
Surrogate: M9PFNA	62.2		"	80.0		77.7	25-150				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

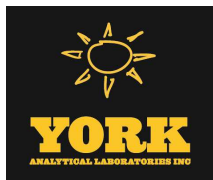
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BB00933 - SPE Ext-PFAS-EPA 537.1M

LCS (BB00933-BS1)

Prepared: 02/19/2020 Analyzed: 02/25/2020

Perfluorobutanesulfonic acid (PFBS)	78.2	2.00	ng/L	70.8		110	50-130				
Perfluorohexanoic acid (PFHxA)	84.2	2.00	"	80.0		105	50-130				
Perfluoroheptanoic acid (PFHpA)	85.7	2.00	"	80.0		107	50-130				
Perfluorohexanesulfonic acid (PFHxS)	61.4	2.00	"	59.2		104	50-130				
Perfluorooctanoic acid (PFOA)	76.8	2.00	"	80.0		96.0	50-130				
Perfluorooctanesulfonic acid (PFOS)	63.8	2.00	"	58.4		109	50-130				
Perfluorononanoic acid (PFNA)	69.8	2.00	"	76.8		90.9	50-130				
Perfluorodecanoic acid (PFDA)	75.7	2.00	"	80.0		94.6	50-130				
Perfluoroundecanoic acid (PFUnA)	79.1	2.00	"	80.0		98.8	50-130				
Perfluorododecanoic acid (PFDoA)	81.9	2.00	"	80.0		102	50-130				
Perfluorotridecanoic acid (PFTDA)	65.7	2.00	"	80.0		82.1	50-130				
Perfluorotetradecanoic acid (PFTA)	73.7	2.00	"	80.0		92.1	50-130				
N-MeFOSAA	79.9	2.00	"	80.0		99.8	50-130				
N-EtFOSAA	82.3	2.00	"	80.0		103	50-130				
Perfluoropentanoic acid (PFPeA)	83.0	2.00	"	80.0		104	50-130				
Perfluoro-1-octanesulfonamide (FOSA)	80.8	2.00	"	80.0		101	50-130				
Perfluoro-1-heptanesulfonic acid (PFHpS)	96.7	2.00	"	79.6		122	50-130				
Perfluoro-1-decanesulfonic acid (PFDS)	82.0	2.00	"	77.2		106	50-130				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	85.7	5.00	"	76.0		113	50-130				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	61.5	2.00	"	76.8		80.1	50-130				
Perfluoro-n-butanoic acid (PFBA)	84.0	2.00	"	80.0		105	50-130				
Surrogate: M3PFBS	55.6		"	74.3		74.9	25-150				
Surrogate: M5PFHxA	63.1		"	80.0		78.9	25-150				
Surrogate: M4PFHpA	61.0		"	80.0		76.3	25-150				
Surrogate: M3PFHxS	59.3		"	75.7		78.3	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	63.8		"	80.0		79.7	25-150				
Surrogate: M6PFDA	60.3		"	80.0		75.4	25-150				
Surrogate: M7PFUdA	55.9		"	80.0		69.9	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	47.3		"	80.0		59.1	25-150				
Surrogate: M2PFTeDA	29.9		"	80.0		37.4	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	68.3		"	80.0		85.3	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	51.0		"	76.6		66.6	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	64.9		"	80.0		81.2	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	60.5		"	80.0		75.6	10-150				
Surrogate: d3-N-MeFOSAA	65.2		"	80.0		81.5	25-150				
Surrogate: d5-N-EtFOSAA	57.8		"	80.0		72.3	25-150				
Surrogate: M2-6:2 FTS	66.1		"	75.9		87.1	25-150				
Surrogate: M2-8:2 FTS	72.5		"	76.6		94.6	25-150				
Surrogate: M9PFNA	62.7		"	80.0		78.3	25-150				



PFAS Target compounds by LC/MS-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 BB00933 - SPE Ext-PFAS-EPA 537.1M

Duplicate (BB00933-DUP1)		*Source sample: 20B0500-01 (MW-1)				Prepared: 02/19/2020 Analyzed: 02/25/2020					
Perfluorobutanesulfonic acid (PFBS)	5.80	2.00	ng/L		5.58				3.80	30	
Perfluorohexanoic acid (PFHxA)	22.7	2.00	"		22.9				0.716	30	
Perfluoroheptanoic acid (PFHpA)	12.0	2.00	"		13.1				8.99	30	
Perfluorohexanesulfonic acid (PFHxS)	3.94	2.00	"		3.93				0.137	30	
Perfluorooctanoic acid (PFOA)	27.5	2.00	"		28.0				1.85	30	
Perfluorooctanesulfonic acid (PFOS)	46.9	2.00	"		43.7				6.99	30	
Perfluorononanoic acid (PFNA)	5.95	2.00	"		5.73				3.69	30	
Perfluorodecanoic acid (PFDA)	4.26	2.00	"		4.18				1.95	30	
Perfluoroundecanoic acid (PFUnA)	ND	2.00	"		ND					30	
Perfluorododecanoic acid (PFDoA)	ND	2.00	"		ND					30	
Perfluorotridecanoic acid (PFTDA)	ND	2.00	"		ND					30	
Perfluorotetradecanoic acid (PFTA)	ND	2.00	"		0.613					30	
N-MeFOSAA	ND	2.00	"		ND					30	
N-EtFOSAA	ND	2.00	"		ND					30	
Perfluoropentanoic acid (PFPeA)	24.3	2.00	"		24.9				2.36	30	
Perfluoro-1-octanesulfonamide (FOSA)	ND	2.00	"		ND					30	
Perfluoro-1-heptanesulfonic acid (PFHpS)	0.991	2.00	"		0.745				28.3	30	
Perfluoro-1-decanesulfonic acid (PFDS)	0.627	2.00	"		0.807				25.0	30	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND	5.00	"		ND					30	
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND	2.00	"		ND					30	
Perfluoro-n-butanoic acid (PFBA)	12.1	2.00	"		12.2				1.33	30	
Surrogate: M3PFBS	53.1		"	74.3		71.4	25-150				
Surrogate: M5PFHxA	50.9		"	80.0		63.7	25-150				
Surrogate: M4PFHpA	48.2		"	80.0		60.2	25-150				
Surrogate: M3PFHxS	59.0		"	75.7		77.9	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	59.9		"	80.0		74.9	25-150				
Surrogate: M6PFDA	54.7		"	80.0		68.3	25-150				
Surrogate: M7PFUdA	36.0		"	80.0		45.0	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	20.3		"	80.0		25.4	25-150				
Surrogate: M2PFTeDA	13.2		"	80.0		16.5	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	31.9		"	80.0		39.8	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	53.7		"	76.6		70.1	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	43.6		"	80.0		54.5	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	23.9		"	80.0		29.8	10-150				
Surrogate: d3-N-MeFOSAA	70.7		"	80.0		88.4	25-150				
Surrogate: d5-N-EtFOSAA	64.1		"	80.0		80.1	25-150				
Surrogate: M2-6:2 FTS	208		"	75.9		274	25-150				
Surrogate: M2-8:2 FTS	265		"	76.6		346	25-150				
Surrogate: M9PFNA	58.6		"	80.0		73.3	25-150				



PFAS Target compounds by LC/MS-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 BB00933 - SPE Ext-PFAS-EPA 537.1M											
Matrix Spike (BB00933-MS1)	*Source sample: 20B0500-02 (MW-2)						Prepared: 02/19/2020 Analyzed: 02/25/2020				
Perfluorobutanesulfonic acid (PFBS)	98.3	4.00	ng/L	70.8	17.1	115	25-150				
Perfluorohexanoic acid (PFHxA)	110	4.00	"	80.0	24.7	107	25-150				
Perfluoroheptanoic acid (PFHpA)	103	4.00	"	80.0	7.42	119	25-150				
Perfluorohexanesulfonic acid (PFHxS)	78.3	4.00	"	59.2	ND	132	25-150				
Perfluorooctanoic acid (PFOA)	83.5	4.00	"	80.0	1.85	102	25-150				
Perfluorooctanesulfonic acid (PFOS)	97.7	4.00	"	58.4	ND	167	25-150	High Bias			
Perfluorononanoic acid (PFNA)	84.0	4.00	"	76.8	ND	109	25-150				
Perfluorodecanoic acid (PFDA)	93.4	4.00	"	80.0	ND	117	25-150				
Perfluoroundecanoic acid (PFUnA)	91.4	4.00	"	80.0	ND	114	25-150				
Perfluorododecanoic acid (PFDoA)	90.5	4.00	"	80.0	ND	113	25-150				
Perfluorotridecanoic acid (PFTriDA)	48.2	4.00	"	80.0	ND	60.2	25-150				
Perfluorotetradecanoic acid (PFTA)	83.4	4.00	"	80.0	ND	104	25-150				
N-MeFOSAA	89.4	4.00	"	80.0	ND	112	25-150				
N-EtFOSAA	85.8	4.00	"	80.0	ND	107	25-150				
Perfluoropentanoic acid (PFPeA)	105	4.00	"	80.0	20.2	106	25-150				
Perfluoro-1-octanesulfonamide (FOSA)	78.8	4.00	"	80.0	ND	98.6	25-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	101	4.00	"	79.6	ND	127	25-150				
Perfluoro-1-decanesulfonic acid (PFDS)	35.8	4.00	"	77.2	ND	46.4	25-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	85.1	10.0	"	76.0	ND	112	25-150				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	66.2	4.00	"	76.8	ND	86.3	25-150				
Perfluoro-n-butanoic acid (PFBA)	131	4.00	"	80.0	19.5	140	25-150				
Surrogate: M3PFBS	45.7		"	74.3		61.6	25-150				
Surrogate: M5PFHxA	41.9		"	80.0		52.3	25-150				
Surrogate: M4PFHpA	46.7		"	80.0		58.3	25-150				
Surrogate: M3PFHxS	55.2		"	75.7		73.0	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	63.2		"	80.0		79.0	25-150				
Surrogate: M6PFDA	40.7		"	80.0		50.9	25-150				
Surrogate: M7PFUdA	24.8		"	80.0		31.1	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	12.0		"	80.0		15.0	25-150				
Surrogate: M2PFTeDA	5.48		"	80.0		6.86	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	15.2		"	80.0		19.0	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	49.8		"	76.6		65.1	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	29.6		"	80.0		37.0	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	2.47		"	80.0		3.09	10-150				
Surrogate: d3-N-MeFOSAA	34.8		"	80.0		43.4	25-150				
Surrogate: d5-N-EtFOSAA	29.1		"	80.0		36.3	25-150				
Surrogate: M2-6:2 FTS	111		"	75.9		146	25-150				
Surrogate: M2-8:2 FTS	67.2		"	76.6		87.7	25-150				
Surrogate: M9PFNA	59.0		"	80.0		73.8	25-150				





Sample and Data Qualifiers Relating to This Work Order

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.
PFSu-L	The isotopically labeled surrogate recovered below lab control limits due to a matrix effect. Isotope Dilution was applied.
PFSu-H	The isotopically labeled surrogate recovered above lab control limits due to a matrix effect. Isotope Dilution was applied.
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.

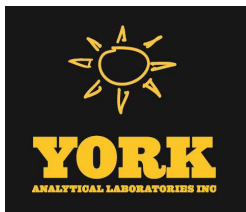
2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

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:

Hydro Environmental Solutions

One Deans Bridge Road

Somers NY, 10589

Attention: Bill Canavan

Report Date: 02/26/2020

Client Project ID: 130 Midland Avenue, Port Chester, New York

York Project (SDG) No.: 20B0604

CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037



New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

120 RESEARCH DRIVE
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STRATFORD, CT 06615
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132-02 89th AVENUE
FAX (203) 357-0166

RICHMOND HILL, NY 11418
ClientServices@yorklab.com

Report Date: 02/26/2020
Client Project ID: 130 Midland Avenue, Port Chester, New York
York Project (SDG) No.: 20B0604

Hydro Environmental Solutions
One Deans Bridge Road
Somers NY, 10589
Attention: Bill Canavan

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 February 18, 2020 and listed below. The project was identified as your project: **130 Midland Avenue, Port Chester, New York.**

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>
20B0604-01	MW-3	Water	02/14/2020	02/18/2020
20B0604-02	MW-4	Water	02/14/2020	02/18/2020
20B0604-03	MW-6	Water	02/14/2020	02/18/2020
20B0604-04	Field Blank	Water	02/14/2020	02/18/2020

General Notes for York Project (SDG) No.: 20B0604

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:



Benjamin Gulizia
Laboratory Director

Date: 02/26/2020





Sample Information

Client Sample ID: MW-3

York Sample ID: 20B0604-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20B0604

130 Midland Avenue, Port Chester, New York

Water

February 14, 2020 12:00 am

02/18/2020

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	25.2		ng/L	4.00	2	EPA 537m Certifications:	02/19/2020 17:55	02/25/2020 13:59	KT
307-24-4	* Perfluorohexanoic acid (PFHxA)	24.9		ng/L	4.00	2	EPA 537m Certifications:	02/19/2020 17:55	02/25/2020 13:59	KT
375-85-9	* Perfluoroheptanoic acid (PFHpA)	14.8		ng/L	4.00	2	EPA 537m Certifications:	02/19/2020 17:55	02/25/2020 13:59	KT
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	9.60		ng/L	4.00	2	EPA 537m Certifications:	02/19/2020 17:55	02/25/2020 13:59	KT
335-67-1	* Perfluorooctanoic acid (PFOA)	32.3		ng/L	4.00	2	EPA 537m Certifications:	02/19/2020 17:55	02/25/2020 13:59	KT
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	18.3		ng/L	4.00	2	EPA 537m Certifications:	02/19/2020 17:55	02/25/2020 13:59	KT
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ng/L	4.00	2	EPA 537m Certifications:	02/19/2020 17:55	02/25/2020 13:59	KT
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	4.00	2	EPA 537m Certifications:	02/19/2020 17:55	02/25/2020 13:59	KT
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	4.00	2	EPA 537m Certifications:	02/19/2020 17:55	02/25/2020 13:59	KT
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	4.00	2	EPA 537m Certifications:	02/19/2020 17:55	02/25/2020 13:59	KT
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	4.00	2	EPA 537m Certifications:	02/19/2020 17:55	02/25/2020 13:59	KT
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	4.00	2	EPA 537m Certifications:	02/19/2020 17:55	02/25/2020 13:59	KT
2355-31-9	* N-MeFOSAA	ND		ng/L	4.00	2	EPA 537m Certifications:	02/19/2020 17:55	02/25/2020 13:59	KT
2991-50-6	* N-EtFOSAA	ND		ng/L	4.00	2	EPA 537m Certifications:	02/19/2020 17:55	02/25/2020 13:59	KT
2706-90-3	* Perfluoropentanoic acid (PFPeA)	18.2		ng/L	4.00	2	EPA 537m Certifications:	02/19/2020 17:55	02/25/2020 13:59	KT
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	4.00	2	EPA 537m Certifications:	02/19/2020 17:55	02/25/2020 13:59	KT
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	4.00	2	EPA 537m Certifications:	02/19/2020 17:55	02/25/2020 13:59	KT
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	4.00	2	EPA 537m Certifications:	02/19/2020 17:55	02/25/2020 13:59	KT
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	10.0	2	EPA 537m Certifications:	02/19/2020 17:55	02/25/2020 13:59	KT
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	4.00	2	EPA 537m Certifications:	02/19/2020 17:55	02/25/2020 13:59	KT
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	16.3	B	ng/L	4.00	2	EPA 537m Certifications:	02/19/2020 17:55	02/25/2020 13:59	KT



Sample Information

Client Sample ID: MW-3

York Sample ID: 20B0604-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20B0604

130 Midland Avenue, Port Chester, New York

Water

February 14, 2020 12:00 am

02/18/2020

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
Surrogate Recoveries		Result		Acceptance Range						
	Surrogate: M3PFBS	73.8 %		25-150						
	Surrogate: M5PFHxA	49.7 %		25-150						
	Surrogate: M4PFHpA	52.0 %		25-150						
	Surrogate: M3PFHxS	79.4 %		25-150						
	Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	67.6 %		25-150						
	Surrogate: M6PFDA	75.7 %		25-150						
	Surrogate: M7PFUdA	50.7 %		25-150						
	Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	26.5 %		25-150						
	Surrogate: M2PFTeDA	11.8 %		10-150						
	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	27.3 %		25-150						
	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	77.0 %		25-150						
	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	37.5 %		25-150						
	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	6.29 %	PFSu-L	10-150						
	Surrogate: d3-N-MeFOSAA	87.5 %		25-150						
	Surrogate: d5-N-EtFOSAA	74.5 %		25-150						
	Surrogate: M2-6:2 FTS	276 %	PFSu-H	25-150						
	Surrogate: M2-8:2 FTS	274 %	PFSu-H	25-150						
	Surrogate: M9PFNA	70.4 %		25-150						

Sample Information

Client Sample ID: MW-4

York Sample ID: 20B0604-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20B0604

130 Midland Avenue, Port Chester, New York

Water

February 14, 2020 12:00 am

02/18/2020

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	4.29		ng/L	2.00	1	EPA 537m	02/19/2020 17:55	02/25/2020 04:42	KT
							Certifications:			
307-24-4	* Perfluorohexanoic acid (PFHxA)	35.5		ng/L	2.00	1	EPA 537m	02/19/2020 17:55	02/25/2020 04:42	KT
							Certifications:			



Sample Information

Client Sample ID: MW-4

York Sample ID: 20B0604-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20B0604

130 Midland Avenue, Port Chester, New York

Water

February 14, 2020 12:00 am

02/18/2020

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-85-9	* Perfluoroheptanoic acid (PFHpA)	30.3		ng/L	2.00	1	EPA 537m Certifications:	02/19/2020 17:55	02/25/2020 04:42	KT
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	5.95		ng/L	2.00	1	EPA 537m Certifications:	02/19/2020 17:55	02/25/2020 04:42	KT
335-67-1	* Perfluorooctanoic acid (PFOA)	21.2		ng/L	2.00	1	EPA 537m Certifications:	02/19/2020 17:55	02/25/2020 04:42	KT
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	21.8		ng/L	2.00	1	EPA 537m Certifications:	02/19/2020 17:55	02/25/2020 04:42	KT
375-95-1	* Perfluorononanoic acid (PFNA)	2.28		ng/L	2.00	1	EPA 537m Certifications:	02/19/2020 17:55	02/25/2020 04:42	KT
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	2.00	1	EPA 537m Certifications:	02/19/2020 17:55	02/25/2020 04:42	KT
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	2.00	1	EPA 537m Certifications:	02/19/2020 17:55	02/25/2020 04:42	KT
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	2.00	1	EPA 537m Certifications:	02/19/2020 17:55	02/25/2020 04:42	KT
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	2.00	1	EPA 537m Certifications:	02/19/2020 17:55	02/25/2020 04:42	KT
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	2.00	1	EPA 537m Certifications:	02/19/2020 17:55	02/25/2020 04:42	KT
2355-31-9	* N-MeFOSAA	ND		ng/L	2.00	1	EPA 537m Certifications:	02/19/2020 17:55	02/25/2020 04:42	KT
2991-50-6	* N-EtFOSAA	ND		ng/L	2.00	1	EPA 537m Certifications:	02/19/2020 17:55	02/25/2020 04:42	KT
2706-90-3	* Perfluoropentanoic acid (PFPeA)	57.4		ng/L	2.00	1	EPA 537m Certifications:	02/19/2020 17:55	02/25/2020 04:42	KT
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	2.00	1	EPA 537m Certifications:	02/19/2020 17:55	02/25/2020 04:42	KT
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	2.00	1	EPA 537m Certifications:	02/19/2020 17:55	02/25/2020 04:42	KT
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	2.00	1	EPA 537m Certifications:	02/19/2020 17:55	02/25/2020 04:42	KT
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	5.00	1	EPA 537m Certifications:	02/19/2020 17:55	02/25/2020 04:42	KT
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	2.00	1	EPA 537m Certifications:	02/19/2020 17:55	02/25/2020 04:42	KT
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	26.9	B	ng/L	2.00	1	EPA 537m Certifications:	02/19/2020 17:55	02/25/2020 04:42	KT
Surrogate Recoveries		Result	Acceptance Range							
Surrogate: M3PFBS		52.6 %	25-150							
Surrogate: M5PFHxA		50.2 %	25-150							
Surrogate: M4PFHpA		47.2 %	25-150							
Surrogate: M3PFHxS		57.0 %	25-150							



Sample Information

Client Sample ID: MW-4

York Sample ID: 20B0604-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20B0604

130 Midland Avenue, Port Chester, New York

Water

February 14, 2020 12:00 am

02/18/2020

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	53.1 %			25-150					
	Surrogate: M6PFDA	55.5 %			25-150					
	Surrogate: M7PFUdA	54.2 %			25-150					
	Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	44.5 %			25-150					
	Surrogate: M2PFTeDA	13.5 %			10-150					
	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	37.5 %			25-150					
	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	55.0 %			25-150					
	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	48.4 %			25-150					
	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	51.9 %			10-150					
	Surrogate: d3-N-MeFOSAA	71.1 %			25-150					
	Surrogate: d5-N-EtFOSAA	67.7 %			25-150					
	Surrogate: M2-6:2 FTS	161 %	PFSu-H		25-150					
	Surrogate: M2-8:2 FTS	197 %	PFSu-H		25-150					
	Surrogate: M9PFNA	56.1 %			25-150					

Sample Information

Client Sample ID: MW-6

York Sample ID: 20B0604-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20B0604

130 Midland Avenue, Port Chester, New York

Water

February 14, 2020 12:00 am

02/18/2020

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	2.35		ng/L	2.00	1	EPA 537m	02/19/2020 17:55	02/25/2020 05:31	KT
							Certifications:			
307-24-4	* Perfluorohexanoic acid (PFHxA)	9.71		ng/L	2.00	1	EPA 537m	02/19/2020 17:55	02/25/2020 05:31	KT
							Certifications:			
375-85-9	* Perfluoroheptanoic acid (PFHpA)	7.96		ng/L	2.00	1	EPA 537m	02/19/2020 17:55	02/25/2020 05:31	KT
							Certifications:			
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	2.27		ng/L	2.00	1	EPA 537m	02/19/2020 17:55	02/25/2020 05:31	KT
							Certifications:			
335-67-1	* Perfluorooctanoic acid (PFOA)	10.3		ng/L	2.00	1	EPA 537m	02/19/2020 17:55	02/25/2020 05:31	KT
							Certifications:			



Sample Information

Client Sample ID: MW-6

York Sample ID: 20B0604-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20B0604

130 Midland Avenue, Port Chester, New York

Water

February 14, 2020 12:00 am

02/18/2020

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	8.66		ng/L	2.00	1	EPA 537m Certifications:	02/19/2020 17:55	02/25/2020 05:31	KT
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ng/L	2.00	1	EPA 537m Certifications:	02/19/2020 17:55	02/25/2020 05:31	KT
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	2.00	1	EPA 537m Certifications:	02/19/2020 17:55	02/25/2020 05:31	KT
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	2.00	1	EPA 537m Certifications:	02/19/2020 17:55	02/25/2020 05:31	KT
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	2.00	1	EPA 537m Certifications:	02/19/2020 17:55	02/25/2020 05:31	KT
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	2.00	1	EPA 537m Certifications:	02/19/2020 17:55	02/25/2020 05:31	KT
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	2.00	1	EPA 537m Certifications:	02/19/2020 17:55	02/25/2020 05:31	KT
2355-31-9	* N-MeFOSAA	ND		ng/L	2.00	1	EPA 537m Certifications:	02/19/2020 17:55	02/25/2020 05:31	KT
2991-50-6	* N-EtFOSAA	ND		ng/L	2.00	1	EPA 537m Certifications:	02/19/2020 17:55	02/25/2020 05:31	KT
2706-90-3	* Perfluoropentanoic acid (PFPeA)	13.1		ng/L	2.00	1	EPA 537m Certifications:	02/19/2020 17:55	02/25/2020 05:31	KT
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	2.00	1	EPA 537m Certifications:	02/19/2020 17:55	02/25/2020 05:31	KT
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	2.00	1	EPA 537m Certifications:	02/19/2020 17:55	02/25/2020 05:31	KT
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	2.00	1	EPA 537m Certifications:	02/19/2020 17:55	02/25/2020 05:31	KT
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	5.00	1	EPA 537m Certifications:	02/19/2020 17:55	02/25/2020 05:31	KT
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	2.00	1	EPA 537m Certifications:	02/19/2020 17:55	02/25/2020 05:31	KT
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	11.5	B	ng/L	2.00	1	EPA 537m Certifications:	02/19/2020 17:55	02/25/2020 05:31	KT

Surrogate Recoveries

Result

Acceptance Range

Surrogate: M3PFBS	58.7 %	25-150
Surrogate: M5PFHxA	63.3 %	25-150
Surrogate: M4PFHpA	57.8 %	25-150
Surrogate: M3PFHxS	62.9 %	25-150
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	66.3 %	25-150
Surrogate: M6PFDA	50.3 %	25-150
Surrogate: M7PFUdA	28.9 %	25-150



Sample Information

Client Sample ID: MW-6

York Sample ID: 20B0604-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20B0604

130 Midland Avenue, Port Chester, New York

Water

February 14, 2020 12:00 am

02/18/2020

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	9.25 %	PFsu-L	25-150						
	Surrogate: M2PFTeDA	3.85 %	PFsu-L	10-150						
	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	60.2 %		25-150						
	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	51.2 %		25-150						
	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	62.8 %		25-150						
	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	11.7 %		10-150						
	Surrogate: d3-N-MeFOSAA	43.1 %		25-150						
	Surrogate: d5-N-EtFOSAA	35.0 %		25-150						
	Surrogate: M2-6:2 FTS	81.9 %		25-150						
	Surrogate: M2-8:2 FTS	73.5 %		25-150						
	Surrogate: M9PFNA	61.3 %		25-150						

Sample Information

Client Sample ID: Field Blank

York Sample ID: 20B0604-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20B0604

130 Midland Avenue, Port Chester, New York

Water

February 14, 2020 12:00 am

02/18/2020

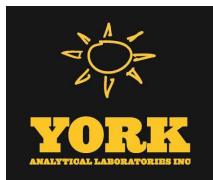
PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	2.00	1	EPA 537m Certifications:	02/19/2020 17:55	02/25/2020 05:56	KT
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ng/L	2.00	1	EPA 537m Certifications:	02/19/2020 17:55	02/25/2020 05:56	KT
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ng/L	2.00	1	EPA 537m Certifications:	02/19/2020 17:55	02/25/2020 05:56	KT
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	2.00	1	EPA 537m Certifications:	02/19/2020 17:55	02/25/2020 05:56	KT
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ng/L	2.00	1	EPA 537m Certifications:	02/19/2020 17:55	02/25/2020 05:56	KT
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	2.00	1	EPA 537m Certifications:	02/19/2020 17:55	02/25/2020 05:56	KT
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ng/L	2.00	1	EPA 537m Certifications:	02/19/2020 17:55	02/25/2020 05:56	KT



Sample Information

Client Sample ID: Field Blank

York Sample ID: 20B0604-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20B0604

130 Midland Avenue, Port Chester, New York

Water

February 14, 2020 12:00 am

02/18/2020

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	2.00	1	EPA 537m Certifications:	02/19/2020 17:55	02/25/2020 05:56	KT
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	2.00	1	EPA 537m Certifications:	02/19/2020 17:55	02/25/2020 05:56	KT
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	2.00	1	EPA 537m Certifications:	02/19/2020 17:55	02/25/2020 05:56	KT
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	2.00	1	EPA 537m Certifications:	02/19/2020 17:55	02/25/2020 05:56	KT
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	2.00	1	EPA 537m Certifications:	02/19/2020 17:55	02/25/2020 05:56	KT
2355-31-9	* N-MeFOSAA	ND		ng/L	2.00	1	EPA 537m Certifications:	02/19/2020 17:55	02/25/2020 05:56	KT
2991-50-6	* N-EtFOSAA	ND		ng/L	2.00	1	EPA 537m Certifications:	02/19/2020 17:55	02/25/2020 05:56	KT
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ng/L	2.00	1	EPA 537m Certifications:	02/19/2020 17:55	02/25/2020 05:56	KT
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	2.00	1	EPA 537m Certifications:	02/19/2020 17:55	02/25/2020 05:56	KT
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	2.00	1	EPA 537m Certifications:	02/19/2020 17:55	02/25/2020 05:56	KT
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	2.00	1	EPA 537m Certifications:	02/19/2020 17:55	02/25/2020 05:56	KT
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	5.00	1	EPA 537m Certifications:	02/19/2020 17:55	02/25/2020 05:56	KT
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	2.00	1	EPA 537m Certifications:	02/19/2020 17:55	02/25/2020 05:56	KT
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	2.33	B	ng/L	2.00	1	EPA 537m Certifications:	02/19/2020 17:55	02/25/2020 05:56	KT
Surrogate Recoveries		Result	Acceptance Range							
Surrogate: M3PFBS		74.1 %	25-150							
Surrogate: M5PFHxA		82.1 %	25-150							
Surrogate: M4PFHpA		70.2 %	25-150							
Surrogate: M3PFHxS		78.5 %	25-150							
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)		82.2 %	25-150							
Surrogate: M6PFDA		73.9 %	25-150							
Surrogate: M7PFUDA		62.7 %	25-150							
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)		44.0 %	25-150							
Surrogate: M2PFTeDA		10.4 %	10-150							
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)		85.1 %	25-150							



Sample Information

Client Sample ID: Field Blank

York Sample ID: 20B0604-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20B0604

130 Midland Avenue, Port Chester, New York

Water

February 14, 2020 12:00 am

02/18/2020

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: Perfluoro-1- [13C8]octanesulfonic acid (M8PFOS)	73.0 %			25-150					
	Surrogate: Perfluoro-n- [13C5]pentanoic acid (M5PFPeA)	81.2 %			25-150					
	Surrogate: Perfluoro-1- [13C8]octanesulfonamide (M8FOSA)	71.9 %			10-150					
	Surrogate: d3-N-MeFOSAA	71.9 %			25-150					
	Surrogate: d5-N-EtFOSAA	69.4 %			25-150					
	Surrogate: M2-6:2 FTS	91.7 %			25-150					
	Surrogate: M2-8:2 FTS	102 %			25-150					
	Surrogate: M9PFNA	74.9 %			25-150					



Analytical Batch Summary

Batch ID: BB00933

Preparation Method: SPE Ext-PFAS-EPA 537.1M

Prepared By: WL

YORK Sample ID	Client Sample ID	Preparation Date
20B0604-01	MW-3	02/19/20
20B0604-02	MW-4	02/19/20
20B0604-03	MW-6	02/19/20
20B0604-04	Field Blank	02/19/20
BB00933-BLK1	Blank	02/19/20
BB00933-BS1	LCS	02/19/20



PFAS Target compounds by LC/MS-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 BB00933 - SPE Ext-PFAS-EPA 537.1M

Blank (BB00933-BLK1)

Prepared: 02/19/2020 Analyzed: 02/25/2020

Perfluorobutanesulfonic acid (PFBS)	ND	2.00	ng/L								
Perfluorohexanoic acid (PFHxA)	ND	2.00	"								
Perfluoroheptanoic acid (PFHpA)	ND	2.00	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	2.00	"								
Perfluorooctanoic acid (PFOA)	ND	2.00	"								
Perfluorooctanesulfonic acid (PFOS)	ND	2.00	"								
Perfluorononanoic acid (PFNA)	ND	2.00	"								
Perfluorodecanoic acid (PFDA)	ND	2.00	"								
Perfluoroundecanoic acid (PFUnA)	ND	2.00	"								
Perfluorododecanoic acid (PFDoA)	ND	2.00	"								
Perfluorotridecanoic acid (PFTriDA)	ND	2.00	"								
Perfluorotetradecanoic acid (PFTA)	ND	2.00	"								
N-MeFOSAA	ND	2.00	"								
N-EtFOSAA	ND	2.00	"								
Perfluoropentanoic acid (PFPeA)	ND	2.00	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	2.00	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	2.00	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	2.00	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND	5.00	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND	2.00	"								
Perfluoro-n-butanoic acid (PFBA)	2.73	2.00	"								
Surrogate: M3PFBS	58.1		"	74.3		78.2	25-150				
Surrogate: M5PFHxA	65.3		"	80.0		81.6	25-150				
Surrogate: M4PFHpA	66.4		"	80.0		82.9	25-150				
Surrogate: M3PFHxS	60.9		"	75.7		80.4	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	65.7		"	80.0		82.2	25-150				
Surrogate: M6PFDA	59.9		"	80.0		74.9	25-150				
Surrogate: M7PFUdA	41.5		"	80.0		51.9	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	20.9		"	80.0		26.2	25-150				
Surrogate: M2PFTeDA	13.4		"	80.0		16.7	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	72.6		"	80.0		90.8	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	55.8		"	76.6		72.9	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	66.4		"	80.0		83.0	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	60.2		"	80.0		75.2	10-150				
Surrogate: d3-N-MeFOSAA	60.9		"	80.0		76.1	25-150				
Surrogate: d5-N-EtFOSAA	55.3		"	80.0		69.1	25-150				
Surrogate: M2-6:2 FTS	63.0		"	75.9		82.9	25-150				
Surrogate: M2-8:2 FTS	79.6		"	76.6		104	25-150				
Surrogate: M9PFNA	62.2		"	80.0		77.7	25-150				



PFAS Target compounds by LC/MS-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 BB00933 - SPE Ext-PFAS-EPA 537.1M

LCS (BB00933-BS1)

Prepared: 02/19/2020 Analyzed: 02/25/2020

Perfluorobutanesulfonic acid (PFBS)	78.2	2.00	ng/L	70.8		110	50-130				
Perfluorohexanoic acid (PFHxA)	84.2	2.00	"	80.0		105	50-130				
Perfluoroheptanoic acid (PFHpA)	85.7	2.00	"	80.0		107	50-130				
Perfluorohexanesulfonic acid (PFHxS)	61.4	2.00	"	59.2		104	50-130				
Perfluorooctanoic acid (PFOA)	76.8	2.00	"	80.0		96.0	50-130				
Perfluorooctanesulfonic acid (PFOS)	63.8	2.00	"	58.4		109	50-130				
Perfluorononanoic acid (PFNA)	69.8	2.00	"	76.8		90.9	50-130				
Perfluorodecanoic acid (PFDA)	75.7	2.00	"	80.0		94.6	50-130				
Perfluoroundecanoic acid (PFUnA)	79.1	2.00	"	80.0		98.8	50-130				
Perfluorododecanoic acid (PFDoA)	81.9	2.00	"	80.0		102	50-130				
Perfluorotridecanoic acid (PFTDA)	65.7	2.00	"	80.0		82.1	50-130				
Perfluorotetradecanoic acid (PFTA)	73.7	2.00	"	80.0		92.1	50-130				
N-MeFOSAA	79.9	2.00	"	80.0		99.8	50-130				
N-EtFOSAA	82.3	2.00	"	80.0		103	50-130				
Perfluoropentanoic acid (PFPeA)	83.0	2.00	"	80.0		104	50-130				
Perfluoro-1-octanesulfonamide (FOSA)	80.8	2.00	"	80.0		101	50-130				
Perfluoro-1-heptanesulfonic acid (PFHpS)	96.7	2.00	"	79.6		122	50-130				
Perfluoro-1-decanesulfonic acid (PFDS)	82.0	2.00	"	77.2		106	50-130				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	85.7	5.00	"	76.0		113	50-130				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	61.5	2.00	"	76.8		80.1	50-130				
Perfluoro-n-butanoic acid (PFBA)	84.0	2.00	"	80.0		105	50-130				
Surrogate: M3PFBS	55.6		"	74.3		74.9	25-150				
Surrogate: M5PFHxA	63.1		"	80.0		78.9	25-150				
Surrogate: M4PFHpA	61.0		"	80.0		76.3	25-150				
Surrogate: M3PFHxS	59.3		"	75.7		78.3	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	63.8		"	80.0		79.7	25-150				
Surrogate: M6PFDA	60.3		"	80.0		75.4	25-150				
Surrogate: M7PFUdA	55.9		"	80.0		69.9	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	47.3		"	80.0		59.1	25-150				
Surrogate: M2PFTeDA	29.9		"	80.0		37.4	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	68.3		"	80.0		85.3	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	51.0		"	76.6		66.6	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	64.9		"	80.0		81.2	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	60.5		"	80.0		75.6	10-150				
Surrogate: d3-N-MeFOSAA	65.2		"	80.0		81.5	25-150				
Surrogate: d5-N-EtFOSAA	57.8		"	80.0		72.3	25-150				
Surrogate: M2-6:2 FTS	66.1		"	75.9		87.1	25-150				
Surrogate: M2-8:2 FTS	72.5		"	76.6		94.6	25-150				
Surrogate: M9PFNA	62.7		"	80.0		78.3	25-150				





Sample and Data Qualifiers Relating to This Work Order

PFSu-L	The isotopically labeled surrogate recovered below lab control limits due to a matrix effect. Isotope Dilution was applied.
PFSu-H	The isotopically labeled surrogate recovered above lab control limits due to a matrix effect. Isotope Dilution was applied.
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

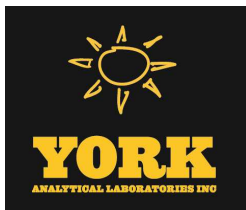
Page 1 of 1

NOTE: York's Std. Terms & Conditions are listed on the back side of this document.

This document serves as your written authorization to York to proceed with the analyses requested and your signature binds you to York's Std. Terms & Conditions.

York Project No. 208004

YOUR INFORMATION		Report To:		Invoice To:		YOUR Project ID		Turn-Around Time		Report Type	
Company: HES, Inc.	Company: Same	Company: Same	Company: Same	Company: Same	Company: Same	Company: Same	Company: Same	Company: Same	Company: Same	Company: Same	Company: Same
Address: One Deans Bridge Road	Address: Same	Address: Same	Address: Same	Address: Same	Address: Same	Address: Same	Address: Same	Address: Same	Address: Same	Address: Same	Address: Same
Somers, New York 10589	Somers, New York 10589	Somers, New York 10589	Somers, New York 10589	Somers, New York 10589	Somers, New York 10589	Somers, New York 10589	Somers, New York 10589	Somers, New York 10589	Somers, New York 10589	Somers, New York 10589	Somers, New York 10589
Phone No. (914) 276-2560	Phone No. Same	Phone No. Same	Phone No. Same	Phone No. Same	Phone No. Same	Phone No. Same	Phone No. Same	Phone No. Same	Phone No. Same	Phone No. Same	Phone No. Same
Contact Person:	Contact Person: Same	Contact Person: Same	Contact Person: Same	Contact Person: Same	Contact Person: Same	Contact Person: Same	Contact Person: Same	Contact Person: Same	Contact Person: Same	Contact Person: Same	Contact Person: Same
E-Mail Address:	E-Mail Address: Same	E-Mail Address: Same	E-Mail Address: Same	E-Mail Address: Same	E-Mail Address: Same	E-Mail Address: Same	E-Mail Address: Same	E-Mail Address: Same	E-Mail Address: Same	E-Mail Address: Same	E-Mail Address: Same
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 S - soil Other - specify (oil, etc.) WW - wastewater GW - groundwater DW - drinking water Air-A - ambient air Air-SV - soil vapor											
Samples Collected/Authorized By (Signature) <i>[Signature]</i>											
Name (printed) Robert DeLo											
Choose Analyses Needed from the Menu Above and Enter Below											
Sample Identification	Date Sampled	Sample Matrix	Emerging Contaminants including PFAS								
MW-3	2/14/20	GW									
MW-4	4	I									
MW-6	I	I									
Field Blank											
Container Description(s) (2) 250 ml Plastic (1) 250 ml											
Excel Spreadsheet Compare to the following Regs. (please fill in):											
Simple Excel NYSDEC EQULS EQULS (std) EZ-EDD (EQULS) NIDEF SRP HazSite EDD GIS/KEY (std) Other York Regulatory Comparison Excel Spreadsheet Compare to the following Regs. (please fill in):											
Electronic Data Deliverables (EDD)											
Simple Excel NYSDEC EQULS EQULS (std) EZ-EDD (EQULS) NIDEF SRP HazSite EDD GIS/KEY (std) Other York Regulatory Comparison Excel Spreadsheet Compare to the following Regs. (please fill in):											
RUSH - Same Day RUSH - Next Day RUSH - Two Day RUSH - Three Day RUSH - Four Day Standard (5-7 Days)											
Temperature on Receipt 2.6 °C											



Technical Report

prepared for:

Hydro Environmental Solutions

One Deans Bridge Road

Somers NY, 10589

Attention: Bill Canavan

Report Date: 02/27/2020

Client Project ID: 130 Midland Avenue, Port Chester, New York

York Project (SDG) No.: 20B0718

CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037



New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

120 RESEARCH DRIVE
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STRATFORD, CT 06615
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132-02 89th AVENUE
FAX (203) 357-0166

RICHMOND HILL, NY 11418
ClientServices@yorklab.com

Hydro Environmental Solutions

One Deans Bridge Road
Somers NY, 10589
Attention: Bill Canavan

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 February 20, 2020 and listed below. The project was identified as your project: **130 Midland Avenue, Port Chester, New York.**

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>
20B0718-01	MW-5	Water	02/19/2020	02/20/2020

General Notes for York Project (SDG) No.: 20B0718

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.

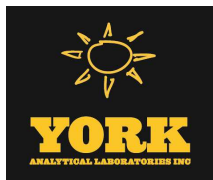
Approved By:



Benjamin Gulizia
Laboratory Director

Date: 02/27/2020





Sample Information

Client Sample ID: MW-5

York Sample ID: 20B0718-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20B0718

130 Midland Avenue, Port Chester, New York

Water

February 19, 2020 12:00 am

02/20/2020

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	2.07		ng/L	2.00	1	EPA 537m Certifications:	02/25/2020 10:52	02/26/2020 03:47	KT
307-24-4	* Perfluorohexanoic acid (PFHxA)	12.4		ng/L	2.00	1	EPA 537m Certifications:	02/25/2020 10:52	02/26/2020 03:47	KT
375-85-9	* Perfluoroheptanoic acid (PFHpA)	7.90		ng/L	2.00	1	EPA 537m Certifications:	02/25/2020 10:52	02/26/2020 03:47	KT
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	4.46		ng/L	2.00	1	EPA 537m Certifications:	02/25/2020 10:52	02/26/2020 03:47	KT
335-67-1	* Perfluorooctanoic acid (PFOA)	8.28		ng/L	2.00	1	EPA 537m Certifications:	02/25/2020 10:52	02/26/2020 03:47	KT
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	2.41		ng/L	2.00	1	EPA 537m Certifications:	02/25/2020 10:52	02/26/2020 03:47	KT
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ng/L	2.00	1	EPA 537m Certifications:	02/25/2020 10:52	02/26/2020 03:47	KT
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	2.00	1	EPA 537m Certifications:	02/25/2020 10:52	02/26/2020 03:47	KT
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	2.00	1	EPA 537m Certifications:	02/25/2020 10:52	02/26/2020 03:47	KT
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	2.00	1	EPA 537m Certifications:	02/25/2020 10:52	02/26/2020 03:47	KT
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	2.00	1	EPA 537m Certifications:	02/25/2020 10:52	02/26/2020 03:47	KT
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	2.00	1	EPA 537m Certifications:	02/25/2020 10:52	02/26/2020 03:47	KT
2355-31-9	* N-MeFOSAA	ND		ng/L	2.00	1	EPA 537m Certifications:	02/25/2020 10:52	02/26/2020 03:47	KT
2991-50-6	* N-EtFOSAA	ND		ng/L	2.00	1	EPA 537m Certifications:	02/25/2020 10:52	02/26/2020 03:47	KT
2706-90-3	* Perfluoropentanoic acid (PFPeA)	17.4		ng/L	2.00	1	EPA 537m Certifications:	02/25/2020 10:52	02/26/2020 03:47	KT
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	2.00	1	EPA 537m Certifications:	02/25/2020 10:52	02/26/2020 03:47	KT
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	2.00	1	EPA 537m Certifications:	02/25/2020 10:52	02/26/2020 03:47	KT
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	2.00	1	EPA 537m Certifications:	02/25/2020 10:52	02/26/2020 03:47	KT
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	5.00	1	EPA 537m Certifications:	02/25/2020 10:52	02/26/2020 03:47	KT
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	2.00	1	EPA 537m Certifications:	02/25/2020 10:52	02/26/2020 03:47	KT
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	9.04	B	ng/L	2.00	1	EPA 537m Certifications:	02/25/2020 10:52	02/26/2020 03:47	KT



Sample Information

Client Sample ID: MW-5

York Sample ID: 20B0718-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20B0718

130 Midland Avenue, Port Chester, New York

Water

February 19, 2020 12:00 am

02/20/2020

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
Surrogate Recoveries		Result		Acceptance Range						
	Surrogate: M3PFBS	61.9 %		25-150						
	Surrogate: M5PFHxA	62.4 %		25-150						
	Surrogate: M4PFHpA	58.0 %		25-150						
	Surrogate: M3PFHxS	66.6 %		25-150						
	Surrogate: Perfluoro-n- [13C8]octanoic acid (M8PFOA)	65.4 %		25-150						
	Surrogate: M6PFDA	59.5 %		25-150						
	Surrogate: M7PFUdA	45.3 %		25-150						
	Surrogate: Perfluoro-n- [1,2-13C2]dodecanoic acid (MPFDoA)	27.6 %		25-150						
	Surrogate: M2PFTeDA	16.2 %		10-150						
	Surrogate: Perfluoro-n- [13C4]butanoic acid (MPFBA)	62.8 %		25-150						
	Surrogate: Perfluoro-1- [13C8]octanesulfonic acid (M8PFOS)	57.5 %		25-150						
	Surrogate: Perfluoro-n- [13C5]pentanoic acid (M5PFPeA)	64.1 %		25-150						
	Surrogate: Perfluoro-1- [13C8]octanesulfonamide (M8FOSA)	47.4 %		10-150						
	Surrogate: d3-N-MeFOSAA	58.5 %		25-150						
	Surrogate: d5-N-EtFOSAA	53.6 %		25-150						
	Surrogate: M2-6:2 FTS	95.7 %		25-150						
	Surrogate: M2-8:2 FTS	101 %		25-150						
	Surrogate: M9PFNA	66.4 %		25-150						



Analytical Batch Summary

Batch ID: BB01227

Preparation Method: SPE Ext-PFAS-EPA 537.1M

Prepared By: WL

YORK Sample ID	Client Sample ID	Preparation Date
20B0718-01	MW-5	02/25/20
BB01227-BLK1	Blank	02/25/20
BB01227-BS1	LCS	02/25/20
BB01227-MS1	Matrix Spike	02/25/20
BB01227-MSD1	Matrix Spike Dup	02/25/20



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

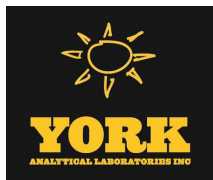
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BB01227 - SPE Ext-PFAS-EPA 537.1M

Blank (BB01227-BLK1)

Prepared: 02/25/2020 Analyzed: 02/26/2020

Perfluorobutanesulfonic acid (PFBS)	ND	2.00	ng/L								
Perfluorohexanoic acid (PFHxA)	ND	2.00	"								
Perfluoroheptanoic acid (PFHpA)	ND	2.00	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	2.00	"								
Perfluorooctanoic acid (PFOA)	ND	2.00	"								
Perfluorooctanesulfonic acid (PFOS)	ND	2.00	"								
Perfluorononanoic acid (PFNA)	ND	2.00	"								
Perfluorodecanoic acid (PFDA)	ND	2.00	"								
Perfluoroundecanoic acid (PFUnA)	ND	2.00	"								
Perfluorododecanoic acid (PFDoA)	ND	2.00	"								
Perfluorotridecanoic acid (PFTriDA)	ND	2.00	"								
Perfluorotetradecanoic acid (PFTA)	ND	2.00	"								
N-MeFOSAA	ND	2.00	"								
N-EtFOSAA	ND	2.00	"								
Perfluoropentanoic acid (PFPeA)	ND	2.00	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	2.00	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	2.00	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	2.00	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND	5.00	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND	2.00	"								
Perfluoro-n-butanoic acid (PFBA)	2.57	2.00	"								
Surrogate: M3PFBS	55.3		"	74.3		74.4	25-150				
Surrogate: M5PFHxA	59.8		"	80.0		74.7	25-150				
Surrogate: M4PFHpA	55.5		"	80.0		69.4	25-150				
Surrogate: M3PFHxS	58.0		"	75.7		76.6	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	62.5		"	80.0		78.1	25-150				
Surrogate: M6PFDA	56.9		"	80.0		71.2	25-150				
Surrogate: M7PFUdA	47.3		"	80.0		59.2	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	37.3		"	80.0		46.6	25-150				
Surrogate: M2PFTeDA	35.3		"	80.0		44.1	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	69.2		"	80.0		86.5	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	52.6		"	76.6		68.7	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	61.5		"	80.0		76.9	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	53.8		"	80.0		67.2	10-150				
Surrogate: d3-N-MeFOSAA	53.1		"	80.0		66.4	25-150				
Surrogate: d5-N-EtFOSAA	48.9		"	80.0		61.1	25-150				
Surrogate: M2-6:2 FTS	62.7		"	75.9		82.6	25-150				
Surrogate: M2-8:2 FTS	72.9		"	76.6		95.1	25-150				
Surrogate: M9PFNA	59.7		"	80.0		74.7	25-150				



PFAS Target compounds by LC/MS-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 BB01227 - SPE Ext-PFAS-EPA 537.1M

LCS (BB01227-BS1)

Prepared: 02/25/2020 Analyzed: 02/26/2020

Perfluorobutanesulfonic acid (PFBS)	73.0	2.00	ng/L	70.8		103	50-130				
Perfluorohexanoic acid (PFHxA)	70.3	2.00	"	80.0		87.9	50-130				
Perfluoroheptanoic acid (PFHpA)	83.7	2.00	"	80.0		105	50-130				
Perfluorohexanesulfonic acid (PFHxS)	57.3	2.00	"	59.2		96.8	50-130				
Perfluorooctanoic acid (PFOA)	77.3	2.00	"	80.0		96.6	50-130				
Perfluorooctanesulfonic acid (PFOS)	55.8	2.00	"	58.4		95.5	50-130				
Perfluorononanoic acid (PFNA)	71.9	2.00	"	76.8		93.6	50-130				
Perfluorodecanoic acid (PFDA)	80.0	2.00	"	80.0		100	50-130				
Perfluoroundecanoic acid (PFUnA)	73.7	2.00	"	80.0		92.1	50-130				
Perfluorododecanoic acid (PFDoA)	69.1	2.00	"	80.0		86.4	50-130				
Perfluorotridecanoic acid (PFTDA)	46.6	2.00	"	80.0		58.2	50-130				
Perfluorotetradecanoic acid (PFTA)	71.5	2.00	"	80.0		89.4	50-130				
N-MeFOSAA	76.3	2.00	"	80.0		95.3	50-130				
N-EtFOSAA	75.7	2.00	"	80.0		94.6	50-130				
Perfluoropentanoic acid (PFPeA)	77.8	2.00	"	80.0		97.2	50-130				
Perfluoro-1-octanesulfonamide (FOSA)	77.6	2.00	"	80.0		96.9	50-130				
Perfluoro-1-heptanesulfonic acid (PFHpS)	83.7	2.00	"	79.6		105	50-130				
Perfluoro-1-decanesulfonic acid (PFDS)	65.4	2.00	"	77.2		84.7	50-130				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	78.3	5.00	"	76.0		103	50-130				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	57.4	2.00	"	76.8		74.8	50-130				
Perfluoro-n-butanoic acid (PFBA)	77.8	2.00	"	80.0		97.3	50-130				
Surrogate: M3PFBS	60.3		"	74.3		81.1	25-150				
Surrogate: M5PFHxA	66.1		"	80.0		82.6	25-150				
Surrogate: M4PFHpA	59.8		"	80.0		74.8	25-150				
Surrogate: M3PFHxS	64.6		"	75.7		85.4	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	64.4		"	80.0		80.5	25-150				
Surrogate: M6PFDA	64.0		"	80.0		80.0	25-150				
Surrogate: M7PFUdA	62.0		"	80.0		77.5	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	51.9		"	80.0		64.9	25-150				
Surrogate: M2PFTeDA	24.8		"	80.0		31.0	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	76.1		"	80.0		95.1	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	60.4		"	76.6		78.9	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	68.0		"	80.0		85.1	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	63.3		"	80.0		79.1	10-150				
Surrogate: d3-N-MeFOSAA	68.4		"	80.0		85.5	25-150				
Surrogate: d5-N-EtFOSAA	63.7		"	80.0		79.6	25-150				
Surrogate: M2-6:2 FTS	72.9		"	75.9		96.0	25-150				
Surrogate: M2-8:2 FTS	79.2		"	76.6		103	25-150				
Surrogate: M9PFNA	62.4		"	80.0		78.0	25-150				



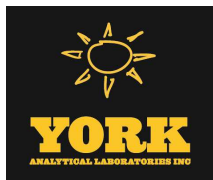
PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BB01227 - SPE Ext-PFAS-EPA 537.1M

Matrix Spike (BB01227-MS1)		*Source sample: 20B0718-01 (MW-5)					Prepared: 02/25/2020 Analyzed: 02/26/2020				
Perfluorobutanesulfonic acid (PFBS)	86.4	2.00	ng/L	70.8	2.07	119	25-150				
Perfluorohexanoic acid (PFHxA)	97.6	2.00	"	80.0	12.4	106	25-150				
Perfluoroheptanoic acid (PFHpA)	99.2	2.00	"	80.0	7.90	114	25-150				
Perfluorohexanesulfonic acid (PFHxS)	78.4	2.00	"	59.2	4.46	125	25-150				
Perfluorooctanoic acid (PFOA)	84.5	2.00	"	80.0	8.28	95.3	25-150				
Perfluorooctanesulfonic acid (PFOS)	85.9	2.00	"	58.4	2.41	143	25-150				
Perfluorononanoic acid (PFNA)	82.4	2.00	"	76.8	ND	107	25-150				
Perfluorodecanoic acid (PFDA)	73.7	2.00	"	80.0	ND	92.2	25-150				
Perfluoroundecanoic acid (PFUnA)	75.8	2.00	"	80.0	ND	94.7	25-150				
Perfluorododecanoic acid (PFDoA)	79.4	2.00	"	80.0	ND	99.3	25-150				
Perfluorotridecanoic acid (PFTriDA)	46.1	2.00	"	80.0	ND	57.6	25-150				
Perfluorotetradecanoic acid (PFTA)	81.9	2.00	"	80.0	ND	102	25-150				
N-MeFOSAA	79.3	2.00	"	80.0	ND	99.1	25-150				
N-EtFOSAA	77.7	2.00	"	80.0	ND	97.2	25-150				
Perfluoropentanoic acid (PFPeA)	99.5	2.00	"	80.0	17.4	103	25-150				
Perfluoro-1-octanesulfonamide (FOSA)	81.2	2.00	"	80.0	ND	102	25-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	86.0	2.00	"	79.6	ND	108	25-150				
Perfluoro-1-decanesulfonic acid (PFDS)	45.0	2.00	"	77.2	ND	58.3	25-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	86.1	5.00	"	76.0	ND	113	25-150				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	58.5	2.00	"	76.8	ND	76.2	25-150				
Perfluoro-n-butanoic acid (PFBA)	88.9	2.00	"	80.0	9.04	99.8	25-150				
Surrogate: M3PFBS	46.3		"	74.3		62.3	25-150				
Surrogate: M5PFHxA	52.9		"	80.0		66.1	25-150				
Surrogate: M4PFHpA	51.4		"	80.0		64.3	25-150				
Surrogate: M3PFHxS	54.8		"	75.7		72.4	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	63.0		"	80.0		78.8	25-150				
Surrogate: M6PFDA	54.1		"	80.0		67.6	25-150				
Surrogate: M7PFUdA	42.0		"	80.0		52.4	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	28.6		"	80.0		35.8	25-150				
Surrogate: M2PFTeDA	13.3		"	80.0		16.7	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	55.1		"	80.0		68.9	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	51.8		"	76.6		67.7	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	56.5		"	80.0		70.6	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	38.9		"	80.0		48.7	10-150				
Surrogate: d3-N-MeFOSAA	52.5		"	80.0		65.7	25-150				
Surrogate: d5-N-EtFOSAA	43.9		"	80.0		54.8	25-150				
Surrogate: M2-6:2 FTS	79.7		"	75.9		105	25-150				
Surrogate: M2-8:2 FTS	84.0		"	76.6		110	25-150				
Surrogate: M9PFNA	55.0		"	80.0		68.7	25-150				



PFAS Target compounds by LC/MS-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 BB01227 - SPE Ext-PFAS-EPA 537.1M

Matrix Spike Dup (BB01227-MSD1)	*Source sample: 20B0718-01 (MW-5)					Prepared: 02/25/2020 Analyzed: 02/26/2020					
Perfluorobutanesulfonic acid (PFBS)	77.0	2.00	ng/L	70.8	2.07	106	25-150		11.5	35	
Perfluorohexanoic acid (PFHxA)	87.4	2.00	"	80.0	12.4	93.7	25-150		11.1	35	
Perfluoroheptanoic acid (PFHpA)	100	2.00	"	80.0	7.90	115	25-150		0.790	35	
Perfluorohexanesulfonic acid (PFHxS)	75.0	2.00	"	59.2	4.46	119	25-150		4.33	35	
Perfluorooctanoic acid (PFOA)	84.6	2.00	"	80.0	8.28	95.5	25-150		0.182	35	
Perfluorooctanesulfonic acid (PFOS)	88.8	2.00	"	58.4	2.41	148	25-150		3.33	35	
Perfluorononanoic acid (PFNA)	77.5	2.00	"	76.8	ND	101	25-150		6.08	35	
Perfluorodecanoic acid (PFDA)	66.2	2.00	"	80.0	ND	82.7	25-150		10.8	35	
Perfluoroundecanoic acid (PFUnA)	81.7	2.00	"	80.0	ND	102	25-150		7.54	35	
Perfluorododecanoic acid (PFDoA)	77.5	2.00	"	80.0	ND	96.8	25-150		2.52	35	
Perfluorotridecanoic acid (PFTriDA)	49.2	2.00	"	80.0	ND	61.5	25-150		6.43	35	
Perfluorotetradecanoic acid (PFTA)	78.6	2.00	"	80.0	ND	98.3	25-150		4.08	35	
N-MeFOSAA	80.0	2.00	"	80.0	ND	100	25-150		0.878	35	
N-EtFOSAA	80.7	2.00	"	80.0	ND	101	25-150		3.75	35	
Perfluoropentanoic acid (PFPeA)	96.4	2.00	"	80.0	17.4	98.7	25-150		3.13	35	
Perfluoro-1-octanesulfonamide (FOSA)	76.6	2.00	"	80.0	ND	95.7	25-150		5.89	35	
Perfluoro-1-heptanesulfonic acid (PFHpS)	89.5	2.00	"	79.6	ND	112	25-150		3.90	35	
Perfluoro-1-decanesulfonic acid (PFDS)	52.0	2.00	"	77.2	ND	67.4	25-150		14.5	35	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	87.0	5.00	"	76.0	ND	114	25-150		1.03	35	
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	57.6	2.00	"	76.8	ND	75.0	25-150		1.58	35	
Perfluoro-n-butanoic acid (PFBA)	86.4	2.00	"	80.0	9.04	96.7	25-150		2.83	35	
Surrogate: M3PFBS	52.8		"	74.3		71.0	25-150				
Surrogate: M5PFHxA	59.8		"	80.0		74.7	25-150				
Surrogate: M4PFHpA	51.6		"	80.0		64.6	25-150				
Surrogate: M3PFHxS	57.4		"	75.7		75.8	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	59.7		"	80.0		74.6	25-150				
Surrogate: M6PFDA	56.1		"	80.0		70.2	25-150				
Surrogate: M7PFUdA	41.6		"	80.0		52.0	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	28.2		"	80.0		35.2	25-150				
Surrogate: M2PFTeDA	14.5		"	80.0		18.2	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	57.8		"	80.0		72.3	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	49.4		"	76.6		64.5	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	59.9		"	80.0		74.8	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	47.6		"	80.0		59.6	10-150				
Surrogate: d3-N-MeFOSAA	51.6		"	80.0		64.5	25-150				
Surrogate: d5-N-EtFOSAA	44.7		"	80.0		55.8	25-150				
Surrogate: M2-6:2 FTS	77.0		"	75.9		101	25-150				
Surrogate: M2-8:2 FTS	82.4		"	76.6		107	25-150				
Surrogate: M9PFNA	55.8		"	80.0		69.7	25-150				





Sample and Data Qualifiers Relating to This Work Order

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.

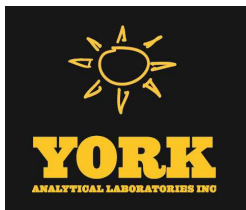
If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

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:

Hydro Environmental Solutions

One Deans Bridge Road

Somers NY, 10589

Attention: Bill Canavan

Report Date: 02/27/2020

Client Project ID: 130 Midland Avenue, Port Chester, New York

York Project (SDG) No.: 20B0718

CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037



New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

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ClientServices@yorklab.com

Hydro Environmental Solutions

One Deans Bridge Road
Somers NY, 10589
Attention: Bill Canavan

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 February 20, 2020 and listed below. The project was identified as your project: **130 Midland Avenue, Port Chester, New York.**

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>
20B0718-01	MW-5	Water	02/19/2020	02/20/2020

General Notes for York Project (SDG) No.: 20B0718

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:



Benjamin Gulizia
Laboratory Director

Date: 02/27/2020





Sample Information

Client Sample ID: MW-5

York Sample ID: 20B0718-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20B0718

130 Midland Avenue, Port Chester, New York

Water

February 19, 2020 12:00 am

02/20/2020

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	2.07		ng/L	2.00	1	EPA 537m Certifications:	02/25/2020 10:52	02/26/2020 03:47	KT
307-24-4	* Perfluorohexanoic acid (PFHxA)	12.4		ng/L	2.00	1	EPA 537m Certifications:	02/25/2020 10:52	02/26/2020 03:47	KT
375-85-9	* Perfluoroheptanoic acid (PFHpA)	7.90		ng/L	2.00	1	EPA 537m Certifications:	02/25/2020 10:52	02/26/2020 03:47	KT
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	4.46		ng/L	2.00	1	EPA 537m Certifications:	02/25/2020 10:52	02/26/2020 03:47	KT
335-67-1	* Perfluorooctanoic acid (PFOA)	8.28		ng/L	2.00	1	EPA 537m Certifications:	02/25/2020 10:52	02/26/2020 03:47	KT
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	2.41		ng/L	2.00	1	EPA 537m Certifications:	02/25/2020 10:52	02/26/2020 03:47	KT
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ng/L	2.00	1	EPA 537m Certifications:	02/25/2020 10:52	02/26/2020 03:47	KT
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	2.00	1	EPA 537m Certifications:	02/25/2020 10:52	02/26/2020 03:47	KT
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	2.00	1	EPA 537m Certifications:	02/25/2020 10:52	02/26/2020 03:47	KT
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	2.00	1	EPA 537m Certifications:	02/25/2020 10:52	02/26/2020 03:47	KT
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	2.00	1	EPA 537m Certifications:	02/25/2020 10:52	02/26/2020 03:47	KT
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	2.00	1	EPA 537m Certifications:	02/25/2020 10:52	02/26/2020 03:47	KT
2355-31-9	* N-MeFOSAA	ND		ng/L	2.00	1	EPA 537m Certifications:	02/25/2020 10:52	02/26/2020 03:47	KT
2991-50-6	* N-EtFOSAA	ND		ng/L	2.00	1	EPA 537m Certifications:	02/25/2020 10:52	02/26/2020 03:47	KT
2706-90-3	* Perfluoropentanoic acid (PFPeA)	17.4		ng/L	2.00	1	EPA 537m Certifications:	02/25/2020 10:52	02/26/2020 03:47	KT
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	2.00	1	EPA 537m Certifications:	02/25/2020 10:52	02/26/2020 03:47	KT
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	2.00	1	EPA 537m Certifications:	02/25/2020 10:52	02/26/2020 03:47	KT
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	2.00	1	EPA 537m Certifications:	02/25/2020 10:52	02/26/2020 03:47	KT
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	5.00	1	EPA 537m Certifications:	02/25/2020 10:52	02/26/2020 03:47	KT
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	2.00	1	EPA 537m Certifications:	02/25/2020 10:52	02/26/2020 03:47	KT
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	9.04	B	ng/L	2.00	1	EPA 537m Certifications:	02/25/2020 10:52	02/26/2020 03:47	KT



Sample Information

Client Sample ID: MW-5

York Sample ID: 20B0718-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20B0718

130 Midland Avenue, Port Chester, New York

Water

February 19, 2020 12:00 am

02/20/2020

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
Surrogate Recoveries		Result		Acceptance Range						
	Surrogate: M3PFBS	61.9 %		25-150						
	Surrogate: M5PFHxA	62.4 %		25-150						
	Surrogate: M4PFHpA	58.0 %		25-150						
	Surrogate: M3PFHxS	66.6 %		25-150						
	Surrogate: Perfluoro-n- [13C8]octanoic acid (M8PFOA)	65.4 %		25-150						
	Surrogate: M6PFDA	59.5 %		25-150						
	Surrogate: M7PFUdA	45.3 %		25-150						
	Surrogate: Perfluoro-n- [1,2-13C2]dodecanoic acid (MPFDoA)	27.6 %		25-150						
	Surrogate: M2PFTeDA	16.2 %		10-150						
	Surrogate: Perfluoro-n- [13C4]butanoic acid (MPFBA)	62.8 %		25-150						
	Surrogate: Perfluoro-1- [13C8]octanesulfonic acid (M8PFOS)	57.5 %		25-150						
	Surrogate: Perfluoro-n- [13C5]pentanoic acid (M5PFPeA)	64.1 %		25-150						
	Surrogate: Perfluoro-1- [13C8]octanesulfonamide (M8FOSA)	47.4 %		10-150						
	Surrogate: d3-N-MeFOSAA	58.5 %		25-150						
	Surrogate: d5-N-EtFOSAA	53.6 %		25-150						
	Surrogate: M2-6:2 FTS	95.7 %		25-150						
	Surrogate: M2-8:2 FTS	101 %		25-150						
	Surrogate: M9PFNA	66.4 %		25-150						



Analytical Batch Summary

Batch ID: BB01227

Preparation Method: SPE Ext-PFAS-EPA 537.1M

Prepared By: WL

YORK Sample ID	Client Sample ID	Preparation Date
20B0718-01	MW-5	02/25/20
BB01227-BLK1	Blank	02/25/20
BB01227-BS1	LCS	02/25/20
BB01227-MS1	Matrix Spike	02/25/20
BB01227-MSD1	Matrix Spike Dup	02/25/20



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

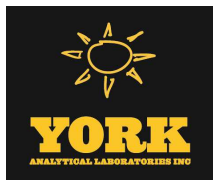
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BB01227 - SPE Ext-PFAS-EPA 537.1M

Blank (BB01227-BLK1)

Prepared: 02/25/2020 Analyzed: 02/26/2020

Perfluorobutanesulfonic acid (PFBS)	ND	2.00	ng/L								
Perfluorohexanoic acid (PFHxA)	ND	2.00	"								
Perfluoroheptanoic acid (PFHpA)	ND	2.00	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	2.00	"								
Perfluorooctanoic acid (PFOA)	ND	2.00	"								
Perfluorooctanesulfonic acid (PFOS)	ND	2.00	"								
Perfluorononanoic acid (PFNA)	ND	2.00	"								
Perfluorodecanoic acid (PFDA)	ND	2.00	"								
Perfluoroundecanoic acid (PFUnA)	ND	2.00	"								
Perfluorododecanoic acid (PFDoA)	ND	2.00	"								
Perfluorotridecanoic acid (PFTriDA)	ND	2.00	"								
Perfluorotetradecanoic acid (PFTA)	ND	2.00	"								
N-MeFOSAA	ND	2.00	"								
N-EtFOSAA	ND	2.00	"								
Perfluoropentanoic acid (PFPeA)	ND	2.00	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	2.00	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	2.00	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	2.00	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND	5.00	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND	2.00	"								
Perfluoro-n-butanoic acid (PFBA)	2.57	2.00	"								
Surrogate: M3PFBS	55.3		"	74.3		74.4	25-150				
Surrogate: M5PFHxA	59.8		"	80.0		74.7	25-150				
Surrogate: M4PFHpA	55.5		"	80.0		69.4	25-150				
Surrogate: M3PFHxS	58.0		"	75.7		76.6	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	62.5		"	80.0		78.1	25-150				
Surrogate: M6PFDA	56.9		"	80.0		71.2	25-150				
Surrogate: M7PFUdA	47.3		"	80.0		59.2	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	37.3		"	80.0		46.6	25-150				
Surrogate: M2PFTeDA	35.3		"	80.0		44.1	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	69.2		"	80.0		86.5	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	52.6		"	76.6		68.7	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	61.5		"	80.0		76.9	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	53.8		"	80.0		67.2	10-150				
Surrogate: d3-N-MeFOSAA	53.1		"	80.0		66.4	25-150				
Surrogate: d5-N-EtFOSAA	48.9		"	80.0		61.1	25-150				
Surrogate: M2-6:2 FTS	62.7		"	75.9		82.6	25-150				
Surrogate: M2-8:2 FTS	72.9		"	76.6		95.1	25-150				
Surrogate: M9PFNA	59.7		"	80.0		74.7	25-150				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

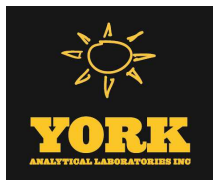
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BB01227 - SPE Ext-PFAS-EPA 537.1M

LCS (BB01227-BS1)

Prepared: 02/25/2020 Analyzed: 02/26/2020

Perfluorobutanesulfonic acid (PFBS)	73.0	2.00	ng/L	70.8		103	50-130				
Perfluorohexanoic acid (PFHxA)	70.3	2.00	"	80.0		87.9	50-130				
Perfluoroheptanoic acid (PFHpA)	83.7	2.00	"	80.0		105	50-130				
Perfluorohexanesulfonic acid (PFHxS)	57.3	2.00	"	59.2		96.8	50-130				
Perfluorooctanoic acid (PFOA)	77.3	2.00	"	80.0		96.6	50-130				
Perfluorooctanesulfonic acid (PFOS)	55.8	2.00	"	58.4		95.5	50-130				
Perfluorononanoic acid (PFNA)	71.9	2.00	"	76.8		93.6	50-130				
Perfluorodecanoic acid (PFDA)	80.0	2.00	"	80.0		100	50-130				
Perfluoroundecanoic acid (PFUnA)	73.7	2.00	"	80.0		92.1	50-130				
Perfluorododecanoic acid (PFDoA)	69.1	2.00	"	80.0		86.4	50-130				
Perfluorotridecanoic acid (PFTDA)	46.6	2.00	"	80.0		58.2	50-130				
Perfluorotetradecanoic acid (PFTA)	71.5	2.00	"	80.0		89.4	50-130				
N-MeFOSAA	76.3	2.00	"	80.0		95.3	50-130				
N-EtFOSAA	75.7	2.00	"	80.0		94.6	50-130				
Perfluoropentanoic acid (PFPeA)	77.8	2.00	"	80.0		97.2	50-130				
Perfluoro-1-octanesulfonamide (FOSA)	77.6	2.00	"	80.0		96.9	50-130				
Perfluoro-1-heptanesulfonic acid (PFHpS)	83.7	2.00	"	79.6		105	50-130				
Perfluoro-1-decanesulfonic acid (PFDS)	65.4	2.00	"	77.2		84.7	50-130				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	78.3	5.00	"	76.0		103	50-130				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	57.4	2.00	"	76.8		74.8	50-130				
Perfluoro-n-butanoic acid (PFBA)	77.8	2.00	"	80.0		97.3	50-130				
Surrogate: M3PFBS	60.3		"	74.3		81.1	25-150				
Surrogate: M5PFHxA	66.1		"	80.0		82.6	25-150				
Surrogate: M4PFHpA	59.8		"	80.0		74.8	25-150				
Surrogate: M3PFHxS	64.6		"	75.7		85.4	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	64.4		"	80.0		80.5	25-150				
Surrogate: M6PFDA	64.0		"	80.0		80.0	25-150				
Surrogate: M7PFUdA	62.0		"	80.0		77.5	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	51.9		"	80.0		64.9	25-150				
Surrogate: M2PFTeDA	24.8		"	80.0		31.0	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	76.1		"	80.0		95.1	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	60.4		"	76.6		78.9	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	68.0		"	80.0		85.1	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	63.3		"	80.0		79.1	10-150				
Surrogate: d3-N-MeFOSAA	68.4		"	80.0		85.5	25-150				
Surrogate: d5-N-EtFOSAA	63.7		"	80.0		79.6	25-150				
Surrogate: M2-6:2 FTS	72.9		"	75.9		96.0	25-150				
Surrogate: M2-8:2 FTS	79.2		"	76.6		103	25-150				
Surrogate: M9PFNA	62.4		"	80.0		78.0	25-150				



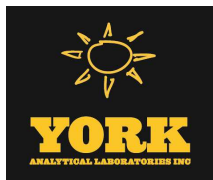
PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BB01227 - SPE Ext-PFAS-EPA 537.1M

Matrix Spike (BB01227-MS1)	*Source sample: 20B0718-01 (MW-5)						Prepared: 02/25/2020 Analyzed: 02/26/2020				
Perfluorobutanesulfonic acid (PFBS)	86.4	2.00	ng/L	70.8	2.07	119	25-150				
Perfluorohexanoic acid (PFHxA)	97.6	2.00	"	80.0	12.4	106	25-150				
Perfluoroheptanoic acid (PFHpA)	99.2	2.00	"	80.0	7.90	114	25-150				
Perfluorohexanesulfonic acid (PFHxS)	78.4	2.00	"	59.2	4.46	125	25-150				
Perfluorooctanoic acid (PFOA)	84.5	2.00	"	80.0	8.28	95.3	25-150				
Perfluorooctanesulfonic acid (PFOS)	85.9	2.00	"	58.4	2.41	143	25-150				
Perfluorononanoic acid (PFNA)	82.4	2.00	"	76.8	ND	107	25-150				
Perfluorodecanoic acid (PFDA)	73.7	2.00	"	80.0	ND	92.2	25-150				
Perfluoroundecanoic acid (PFUnA)	75.8	2.00	"	80.0	ND	94.7	25-150				
Perfluorododecanoic acid (PFDoA)	79.4	2.00	"	80.0	ND	99.3	25-150				
Perfluorotridecanoic acid (PFTriDA)	46.1	2.00	"	80.0	ND	57.6	25-150				
Perfluorotetradecanoic acid (PFTA)	81.9	2.00	"	80.0	ND	102	25-150				
N-MeFOSAA	79.3	2.00	"	80.0	ND	99.1	25-150				
N-EtFOSAA	77.7	2.00	"	80.0	ND	97.2	25-150				
Perfluoropentanoic acid (PFPeA)	99.5	2.00	"	80.0	17.4	103	25-150				
Perfluoro-1-octanesulfonamide (FOSA)	81.2	2.00	"	80.0	ND	102	25-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	86.0	2.00	"	79.6	ND	108	25-150				
Perfluoro-1-decanesulfonic acid (PFDS)	45.0	2.00	"	77.2	ND	58.3	25-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	86.1	5.00	"	76.0	ND	113	25-150				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	58.5	2.00	"	76.8	ND	76.2	25-150				
Perfluoro-n-butanoic acid (PFBA)	88.9	2.00	"	80.0	9.04	99.8	25-150				
Surrogate: M3PFBS	46.3		"	74.3		62.3	25-150				
Surrogate: M5PFHxA	52.9		"	80.0		66.1	25-150				
Surrogate: M4PFHpA	51.4		"	80.0		64.3	25-150				
Surrogate: M3PFHxS	54.8		"	75.7		72.4	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	63.0		"	80.0		78.8	25-150				
Surrogate: M6PFDA	54.1		"	80.0		67.6	25-150				
Surrogate: M7PFUdA	42.0		"	80.0		52.4	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	28.6		"	80.0		35.8	25-150				
Surrogate: M2PFTeDA	13.3		"	80.0		16.7	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	55.1		"	80.0		68.9	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	51.8		"	76.6		67.7	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	56.5		"	80.0		70.6	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	38.9		"	80.0		48.7	10-150				
Surrogate: d3-N-MeFOSAA	52.5		"	80.0		65.7	25-150				
Surrogate: d5-N-EtFOSAA	43.9		"	80.0		54.8	25-150				
Surrogate: M2-6:2 FTS	79.7		"	75.9		105	25-150				
Surrogate: M2-8:2 FTS	84.0		"	76.6		110	25-150				
Surrogate: M9PFNA	55.0		"	80.0		68.7	25-150				



PFAS Target compounds by LC/MS-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 BB01227 - SPE Ext-PFAS-EPA 537.1M

Matrix Spike Dup (BB01227-MSD1)	*Source sample: 20B0718-01 (MW-5)					Prepared: 02/25/2020 Analyzed: 02/26/2020					
Perfluorobutanesulfonic acid (PFBS)	77.0	2.00	ng/L	70.8	2.07	106	25-150		11.5	35	
Perfluorohexanoic acid (PFHxA)	87.4	2.00	"	80.0	12.4	93.7	25-150		11.1	35	
Perfluoroheptanoic acid (PFHpA)	100	2.00	"	80.0	7.90	115	25-150		0.790	35	
Perfluorohexanesulfonic acid (PFHxS)	75.0	2.00	"	59.2	4.46	119	25-150		4.33	35	
Perfluorooctanoic acid (PFOA)	84.6	2.00	"	80.0	8.28	95.5	25-150		0.182	35	
Perfluorooctanesulfonic acid (PFOS)	88.8	2.00	"	58.4	2.41	148	25-150		3.33	35	
Perfluorononanoic acid (PFNA)	77.5	2.00	"	76.8	ND	101	25-150		6.08	35	
Perfluorodecanoic acid (PFDA)	66.2	2.00	"	80.0	ND	82.7	25-150		10.8	35	
Perfluoroundecanoic acid (PFUnA)	81.7	2.00	"	80.0	ND	102	25-150		7.54	35	
Perfluorododecanoic acid (PFDoA)	77.5	2.00	"	80.0	ND	96.8	25-150		2.52	35	
Perfluorotridecanoic acid (PFTriDA)	49.2	2.00	"	80.0	ND	61.5	25-150		6.43	35	
Perfluorotetradecanoic acid (PFTA)	78.6	2.00	"	80.0	ND	98.3	25-150		4.08	35	
N-MeFOSAA	80.0	2.00	"	80.0	ND	100	25-150		0.878	35	
N-EtFOSAA	80.7	2.00	"	80.0	ND	101	25-150		3.75	35	
Perfluoropentanoic acid (PFPeA)	96.4	2.00	"	80.0	17.4	98.7	25-150		3.13	35	
Perfluoro-1-octanesulfonamide (FOSA)	76.6	2.00	"	80.0	ND	95.7	25-150		5.89	35	
Perfluoro-1-heptanesulfonic acid (PFHpS)	89.5	2.00	"	79.6	ND	112	25-150		3.90	35	
Perfluoro-1-decanesulfonic acid (PFDS)	52.0	2.00	"	77.2	ND	67.4	25-150		14.5	35	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	87.0	5.00	"	76.0	ND	114	25-150		1.03	35	
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	57.6	2.00	"	76.8	ND	75.0	25-150		1.58	35	
Perfluoro-n-butanoic acid (PFBA)	86.4	2.00	"	80.0	9.04	96.7	25-150		2.83	35	
Surrogate: M3PFBS	52.8		"	74.3		71.0	25-150				
Surrogate: M5PFHxA	59.8		"	80.0		74.7	25-150				
Surrogate: M4PFHpA	51.6		"	80.0		64.6	25-150				
Surrogate: M3PFHxS	57.4		"	75.7		75.8	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	59.7		"	80.0		74.6	25-150				
Surrogate: M6PFDA	56.1		"	80.0		70.2	25-150				
Surrogate: M7PFUdA	41.6		"	80.0		52.0	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	28.2		"	80.0		35.2	25-150				
Surrogate: M2PFTeDA	14.5		"	80.0		18.2	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	57.8		"	80.0		72.3	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	49.4		"	76.6		64.5	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	59.9		"	80.0		74.8	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	47.6		"	80.0		59.6	10-150				
Surrogate: d3-N-MeFOSAA	51.6		"	80.0		64.5	25-150				
Surrogate: d5-N-EtFOSAA	44.7		"	80.0		55.8	25-150				
Surrogate: M2-6:2 FTS	77.0		"	75.9		101	25-150				
Surrogate: M2-8:2 FTS	82.4		"	76.6		107	25-150				
Surrogate: M9PFNA	55.8		"	80.0		69.7	25-150				





Sample and Data Qualifiers Relating to This Work Order

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.

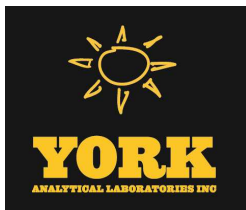
Certification for pH is no longer offered by NYDOH ELAP.

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.

Subsurface Investigation Report March 2020

APPENDIX 4: Laboratory Analytical Report For Soil Vapor



Technical Report

prepared for:

Hydro Environmental Solutions

One Deans Bridge Road

Somers NY, 10589

Attention: Bill Canavan

Report Date: 02/11/2020

Client Project ID: 130 Midland Avenue, Port Chester, New York

York Project (SDG) No.: 20B0137

CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037



New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

120 RESEARCH DRIVE
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STRATFORD, CT 06615
(203) 325-1371



132-02 89th AVENUE
FAX (203) 357-0166

RICHMOND HILL, NY 11418
ClientServices@yorklab.com

Report Date: 02/11/2020
Client Project ID: 130 Midland Avenue, Port Chester, New York
York Project (SDG) No.: 20B0137

Hydro Environmental Solutions

One Deans Bridge Road
Somers NY, 10589
Attention: Bill Canavan

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 February 05, 2020 and listed below. The project was identified as your project: **130 Midland Avenue, Port Chester, New York.**

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>
20B0137-01	VP-1	Soil Vapor	02/04/2020	02/05/2020
20B0137-02	VP-2	Soil Vapor	02/04/2020	02/05/2020
20B0137-03	VP-3	Soil Vapor	02/04/2020	02/05/2020
20B0137-04	VP-4	Soil Vapor	02/04/2020	02/05/2020
20B0137-05	VP-5	Soil Vapor	02/04/2020	02/05/2020
20B0137-06	VP-6	Soil Vapor	02/04/2020	02/05/2020
20B0137-07	VP-7	Soil Vapor	02/04/2020	02/05/2020
20B0137-09	Indoor	Indoor Ambient Air	02/04/2020	02/05/2020
20B0137-10	Outdoor	Outdoor Ambient Ai	02/04/2020	02/05/2020

General Notes for York Project (SDG) No.: 20B0137

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:



Benjamin Gulizia
Laboratory Director

Date: 02/11/2020





Sample Information

Client Sample ID: VP-1

York Sample ID: 20B0137-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20B0137

130 Midland Avenue, Port Chester, New York

Soil Vapor

February 4, 2020 12:00 am

02/05/2020

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	12.5	18.22	EPA TO-15 Certifications:	02/08/2020 09:00	02/08/2020 21:11	AS
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	9.94	18.22	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/08/2020 21:11	AS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	12.5	18.22	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/08/2020 21:11	AS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	14.0	18.22	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/08/2020 21:11	AS
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	9.94	18.22	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/08/2020 21:11	AS
75-34-3	1,1-Dichloroethane	ND		ug/m ³	7.37	18.22	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/08/2020 21:11	AS
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	1.81	18.22	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/08/2020 21:11	AS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	13.5	18.22	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/08/2020 21:11	AS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m ³	8.96	18.22	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/08/2020 21:11	AS
106-93-4	1,2-Dibromoethane	ND		ug/m ³	14.0	18.22	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/08/2020 21:11	AS
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	11.0	18.22	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/08/2020 21:11	AS
107-06-2	1,2-Dichloroethane	ND		ug/m ³	7.37	18.22	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/08/2020 21:11	AS
78-87-5	1,2-Dichloropropane	ND		ug/m ³	8.42	18.22	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/08/2020 21:11	AS
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	12.7	18.22	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/08/2020 21:11	AS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m ³	8.96	18.22	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/08/2020 21:11	AS
106-99-0	1,3-Butadiene	ND		ug/m ³	12.1	18.22	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/08/2020 21:11	AS
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	11.0	18.22	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/08/2020 21:11	AS
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	8.42	18.22	EPA TO-15 Certifications:	02/08/2020 09:00	02/08/2020 21:11	AS
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	11.0	18.22	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/08/2020 21:11	AS
123-91-1	1,4-Dioxane	ND		ug/m ³	13.1	18.22	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/08/2020 21:11	AS
78-93-3	2-Butanone	ND		ug/m ³	5.37	18.22	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/08/2020 21:11	AS
591-78-6	* 2-Hexanone	ND		ug/m ³	14.9	18.22	EPA TO-15 Certifications:	02/08/2020 09:00	02/08/2020 21:11	AS



Sample Information

Client Sample ID: VP-1

York Sample ID: 20B0137-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20B0137

130 Midland Avenue, Port Chester, New York

Soil Vapor

February 4, 2020 12:00 am

02/05/2020

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	28.5	18.22	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/08/2020 21:11	AS
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	7.46	18.22	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/08/2020 21:11	AS
67-64-1	Acetone	71.4		ug/m ³	8.66	18.22	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/08/2020 21:11	AS
107-13-1	Acrylonitrile	ND		ug/m ³	3.95	18.22	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/08/2020 21:11	AS
71-43-2	Benzene	ND		ug/m ³	5.82	18.22	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/08/2020 21:11	AS
100-44-7	Benzyl chloride	ND		ug/m ³	9.43	18.22	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/08/2020 21:11	AS
75-27-4	Bromodichloromethane	ND		ug/m ³	12.2	18.22	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/08/2020 21:11	AS
75-25-2	Bromoform	ND		ug/m ³	18.8	18.22	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/08/2020 21:11	AS
74-83-9	Bromomethane	ND		ug/m ³	7.07	18.22	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/08/2020 21:11	AS
75-15-0	Carbon disulfide	17.0		ug/m ³	5.67	18.22	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/08/2020 21:11	AS
56-23-5	Carbon tetrachloride	ND		ug/m ³	2.87	18.22	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/08/2020 21:11	AS
108-90-7	Chlorobenzene	ND		ug/m ³	8.39	18.22	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/08/2020 21:11	AS
75-00-3	Chloroethane	ND		ug/m ³	4.81	18.22	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/08/2020 21:11	AS
67-66-3	Chloroform	ND		ug/m ³	8.90	18.22	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/08/2020 21:11	AS
74-87-3	Chloromethane	ND		ug/m ³	3.76	18.22	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/08/2020 21:11	AS
156-59-2	cis-1,2-Dichloroethylene	199		ug/m ³	1.81	18.22	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/08/2020 21:11	AS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	8.27	18.22	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/08/2020 21:11	AS
110-82-7	Cyclohexane	ND		ug/m ³	6.27	18.22	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/08/2020 21:11	AS
124-48-1	Dibromochloromethane	ND		ug/m ³	15.5	18.22	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/08/2020 21:11	AS
75-71-8	Dichlorodifluoromethane	62.2		ug/m ³	9.01	18.22	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/08/2020 21:11	AS
141-78-6	* Ethyl acetate	ND		ug/m ³	13.1	18.22	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/08/2020 21:11	AS
100-41-4	Ethyl Benzene	ND		ug/m ³	7.91	18.22	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/08/2020 21:11	AS
87-68-3	Hexachlorobutadiene	ND		ug/m ³	19.4	18.22	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/08/2020 21:11	AS



Sample Information

Client Sample ID: VP-1

York Sample ID: 20B0137-01

York Project (SDG) No.

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130 Midland Avenue, Port Chester, New York

Soil Vapor

February 4, 2020 12:00 am

02/05/2020

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
67-63-0	Isopropanol	ND		ug/m ³	8.96	18.22	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/08/2020 21:11	AS
80-62-6	Methyl Methacrylate	ND		ug/m ³	7.46	18.22	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/08/2020 21:11	AS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	6.57	18.22	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/08/2020 21:11	AS
75-09-2	Methylene chloride	ND		ug/m ³	12.7	18.22	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/08/2020 21:11	AS
142-82-5	n-Heptane	ND		ug/m ³	7.47	18.22	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/08/2020 21:11	AS
110-54-3	n-Hexane	ND		ug/m ³	6.42	18.22	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/08/2020 21:11	AS
95-47-6	o-Xylene	ND		ug/m ³	7.91	18.22	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/08/2020 21:11	AS
179601-23-1	p- & m- Xylenes	ND		ug/m ³	15.8	18.22	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/08/2020 21:11	AS
622-96-8	* p-Ethyltoluene	ND		ug/m ³	8.96	18.22	EPA TO-15 Certifications:	02/08/2020 09:00	02/08/2020 21:11	AS
115-07-1	* Propylene	ND		ug/m ³	3.14	18.22	EPA TO-15 Certifications:	02/08/2020 09:00	02/08/2020 21:11	AS
100-42-5	Styrene	ND		ug/m ³	7.76	18.22	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/08/2020 21:11	AS
127-18-4	Tetrachloroethylene	7970		ug/m ³	49.4	72.88	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 02:33	AS
109-99-9	* Tetrahydrofuran	ND		ug/m ³	10.7	18.22	EPA TO-15 Certifications:	02/08/2020 09:00	02/08/2020 21:11	AS
108-88-3	Toluene	ND		ug/m ³	6.87	18.22	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/08/2020 21:11	AS
156-60-5	trans-1,2-Dichloroethylene	10.1		ug/m ³	7.22	18.22	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/08/2020 21:11	AS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	8.27	18.22	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/08/2020 21:11	AS
79-01-6	Trichloroethylene	98.9		ug/m ³	2.45	18.22	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/08/2020 21:11	AS
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m ³	10.2	18.22	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/08/2020 21:11	AS
108-05-4	Vinyl acetate	ND		ug/m ³	6.42	18.22	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/08/2020 21:11	AS
593-60-2	Vinyl bromide	ND		ug/m ³	7.97	18.22	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/08/2020 21:11	AS
75-01-4	Vinyl Chloride	ND		ug/m ³	1.16	18.22	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/08/2020 21:11	AS
Surrogate Recoveries		Result	Acceptance Range							
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	98.7 %	72-118							



Sample Information

Client Sample ID: VP-2

York Sample ID: 20B0137-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20B0137

130 Midland Avenue, Port Chester, New York

Soil Vapor

February 4, 2020 12:00 am

02/05/2020

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	2.46	3.582	EPA TO-15 Certifications:	02/08/2020 09:00	02/09/2020 03:21	AS
71-55-6	1,1,1-Trichloroethane	1.95		ug/m ³	1.95	3.582	EPA TO-15 Certifications:	02/08/2020 09:00	02/09/2020 03:21	AS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	2.46	3.582	EPA TO-15 Certifications:	02/08/2020 09:00	02/09/2020 03:21	AS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	2.75	3.582	EPA TO-15 Certifications:	02/08/2020 09:00	02/09/2020 03:21	AS
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	1.95	3.582	EPA TO-15 Certifications:	02/08/2020 09:00	02/09/2020 03:21	AS
75-34-3	1,1-Dichloroethane	ND		ug/m ³	1.45	3.582	EPA TO-15 Certifications:	02/08/2020 09:00	02/09/2020 03:21	AS
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.355	3.582	EPA TO-15 Certifications:	02/08/2020 09:00	02/09/2020 03:21	AS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	2.66	3.582	EPA TO-15 Certifications:	02/08/2020 09:00	02/09/2020 03:21	AS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m ³	1.76	3.582	EPA TO-15 Certifications:	02/08/2020 09:00	02/09/2020 03:21	AS
106-93-4	1,2-Dibromoethane	ND		ug/m ³	2.75	3.582	EPA TO-15 Certifications:	02/08/2020 09:00	02/09/2020 03:21	AS
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	2.15	3.582	EPA TO-15 Certifications:	02/08/2020 09:00	02/09/2020 03:21	AS
107-06-2	1,2-Dichloroethane	ND		ug/m ³	1.45	3.582	EPA TO-15 Certifications:	02/08/2020 09:00	02/09/2020 03:21	AS
78-87-5	1,2-Dichloropropane	ND		ug/m ³	1.66	3.582	EPA TO-15 Certifications:	02/08/2020 09:00	02/09/2020 03:21	AS
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	2.50	3.582	EPA TO-15 Certifications:	02/08/2020 09:00	02/09/2020 03:21	AS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m ³	1.76	3.582	EPA TO-15 Certifications:	02/08/2020 09:00	02/09/2020 03:21	AS
106-99-0	1,3-Butadiene	ND		ug/m ³	2.38	3.582	EPA TO-15 Certifications:	02/08/2020 09:00	02/09/2020 03:21	AS
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	2.15	3.582	EPA TO-15 Certifications:	02/08/2020 09:00	02/09/2020 03:21	AS
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	1.66	3.582	EPA TO-15 Certifications:	02/08/2020 09:00	02/09/2020 03:21	AS
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	2.15	3.582	EPA TO-15 Certifications:	02/08/2020 09:00	02/09/2020 03:21	AS
123-91-1	1,4-Dioxane	ND		ug/m ³	2.58	3.582	EPA TO-15 Certifications:	02/08/2020 09:00	02/09/2020 03:21	AS
78-93-3	2-Butanone	2.11		ug/m ³	1.06	3.582	EPA TO-15 Certifications:	02/08/2020 09:00	02/09/2020 03:21	AS
591-78-6	* 2-Hexanone	ND		ug/m ³	2.93	3.582	EPA TO-15 Certifications:	02/08/2020 09:00	02/09/2020 03:21	AS
107-05-1	3-Chloropropene	ND		ug/m ³	5.61	3.582	EPA TO-15 Certifications:	02/08/2020 09:00	02/09/2020 03:21	AS



Sample Information

Client Sample ID: VP-2

York Sample ID: 20B0137-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20B0137

130 Midland Avenue, Port Chester, New York

Soil Vapor

February 4, 2020 12:00 am

02/05/2020

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
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	1.47	3.582	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 03:21	AS
67-64-1	Acetone	9.19		ug/m ³	1.70	3.582	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 03:21	AS
107-13-1	Acrylonitrile	ND		ug/m ³	0.777	3.582	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 03:21	AS
71-43-2	Benzene	1.26		ug/m ³	1.14	3.582	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 03:21	AS
100-44-7	Benzyl chloride	ND		ug/m ³	1.85	3.582	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 03:21	AS
75-27-4	Bromodichloromethane	ND		ug/m ³	2.40	3.582	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 03:21	AS
75-25-2	Bromoform	ND		ug/m ³	3.70	3.582	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 03:21	AS
74-83-9	Bromomethane	ND		ug/m ³	1.39	3.582	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 03:21	AS
75-15-0	Carbon disulfide	20.6		ug/m ³	1.12	3.582	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 03:21	AS
56-23-5	Carbon tetrachloride	ND		ug/m ³	0.563	3.582	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 03:21	AS
108-90-7	Chlorobenzene	ND		ug/m ³	1.65	3.582	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 03:21	AS
75-00-3	Chloroethane	ND		ug/m ³	0.945	3.582	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 03:21	AS
67-66-3	Chloroform	ND		ug/m ³	1.75	3.582	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 03:21	AS
74-87-3	Chloromethane	ND		ug/m ³	0.740	3.582	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 03:21	AS
156-59-2	cis-1,2-Dichloroethylene	1.70		ug/m ³	0.355	3.582	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 03:21	AS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	1.63	3.582	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 03:21	AS
110-82-7	Cyclohexane	ND		ug/m ³	1.23	3.582	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 03:21	AS
124-48-1	Dibromochloromethane	ND		ug/m ³	3.05	3.582	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 03:21	AS
75-71-8	Dichlorodifluoromethane	76.9		ug/m ³	1.77	3.582	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 03:21	AS
141-78-6	* Ethyl acetate	ND		ug/m ³	2.58	3.582	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 03:21	AS
100-41-4	Ethyl Benzene	ND		ug/m ³	1.56	3.582	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 03:21	AS
87-68-3	Hexachlorobutadiene	ND		ug/m ³	3.82	3.582	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 03:21	AS
67-63-0	Isopropanol	ND		ug/m ³	1.76	3.582	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 03:21	AS



Sample Information

Client Sample ID: VP-2

York Sample ID: 20B0137-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20B0137

130 Midland Avenue, Port Chester, New York

Soil Vapor

February 4, 2020 12:00 am

02/05/2020

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
80-62-6	Methyl Methacrylate	ND		ug/m ³	1.47	3.582	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 03:21	AS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	1.29	3.582	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 03:21	AS
75-09-2	Methylene chloride	ND		ug/m ³	2.49	3.582	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 03:21	AS
142-82-5	n-Heptane	ND		ug/m ³	1.47	3.582	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 03:21	AS
110-54-3	n-Hexane	ND		ug/m ³	1.26	3.582	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 03:21	AS
95-47-6	o-Xylene	ND		ug/m ³	1.56	3.582	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 03:21	AS
179601-23-1	p- & m- Xylenes	ND		ug/m ³	3.11	3.582	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 03:21	AS
622-96-8	* p-Ethyltoluene	ND		ug/m ³	1.76	3.582	EPA TO-15 Certifications:	02/08/2020 09:00	02/09/2020 03:21	AS
115-07-1	* Propylene	ND		ug/m ³	0.616	3.582	EPA TO-15 Certifications:	02/08/2020 09:00	02/09/2020 03:21	AS
100-42-5	Styrene	ND		ug/m ³	1.53	3.582	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 03:21	AS
127-18-4	Tetrachloroethylene	1190		ug/m ³	12.1	17.91	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/08/2020 21:57	AS
109-99-9	* Tetrahydrofuran	ND		ug/m ³	2.11	3.582	EPA TO-15 Certifications:	02/08/2020 09:00	02/09/2020 03:21	AS
108-88-3	Toluene	1.62		ug/m ³	1.35	3.582	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 03:21	AS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	1.42	3.582	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 03:21	AS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	1.63	3.582	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 03:21	AS
79-01-6	Trichloroethylene	41.8		ug/m ³	0.481	3.582	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 03:21	AS
75-69-4	Trichlorofluoromethane (Freon 11)	4.23		ug/m ³	2.01	3.582	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 03:21	AS
108-05-4	Vinyl acetate	ND		ug/m ³	1.26	3.582	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 03:21	AS
593-60-2	Vinyl bromide	ND		ug/m ³	1.57	3.582	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 03:21	AS
75-01-4	Vinyl Chloride	ND		ug/m ³	0.229	3.582	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 03:21	AS
Surrogate Recoveries		Result	Acceptance Range							
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	98.7 %	72-118							



Sample Information

Client Sample ID: VP-3

York Sample ID: 20B0137-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20B0137

130 Midland Avenue, Port Chester, New York

Soil Vapor

February 4, 2020 12:00 am

02/05/2020

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	11.3	16.48	EPA TO-15 Certifications:	02/08/2020 09:00	02/08/2020 22:42	AS
71-55-6	1,1,1-Trichloroethane	191		ug/m ³	8.99	16.48	EPA TO-15 Certifications:	02/08/2020 09:00	02/08/2020 22:42	AS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	11.3	16.48	EPA TO-15 Certifications:	02/08/2020 09:00	02/08/2020 22:42	AS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	12.6	16.48	EPA TO-15 Certifications:	02/08/2020 09:00	02/08/2020 22:42	AS
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	8.99	16.48	EPA TO-15 Certifications:	02/08/2020 09:00	02/08/2020 22:42	AS
75-34-3	1,1-Dichloroethane	ND		ug/m ³	6.67	16.48	EPA TO-15 Certifications:	02/08/2020 09:00	02/08/2020 22:42	AS
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	1.63	16.48	EPA TO-15 Certifications:	02/08/2020 09:00	02/08/2020 22:42	AS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	12.2	16.48	EPA TO-15 Certifications:	02/08/2020 09:00	02/08/2020 22:42	AS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m ³	8.10	16.48	EPA TO-15 Certifications:	02/08/2020 09:00	02/08/2020 22:42	AS
106-93-4	1,2-Dibromoethane	ND		ug/m ³	12.7	16.48	EPA TO-15 Certifications:	02/08/2020 09:00	02/08/2020 22:42	AS
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	9.91	16.48	EPA TO-15 Certifications:	02/08/2020 09:00	02/08/2020 22:42	AS
107-06-2	1,2-Dichloroethane	ND		ug/m ³	6.67	16.48	EPA TO-15 Certifications:	02/08/2020 09:00	02/08/2020 22:42	AS
78-87-5	1,2-Dichloropropane	ND		ug/m ³	7.62	16.48	EPA TO-15 Certifications:	02/08/2020 09:00	02/08/2020 22:42	AS
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	11.5	16.48	EPA TO-15 Certifications:	02/08/2020 09:00	02/08/2020 22:42	AS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m ³	8.10	16.48	EPA TO-15 Certifications:	02/08/2020 09:00	02/08/2020 22:42	AS
106-99-0	1,3-Butadiene	ND		ug/m ³	10.9	16.48	EPA TO-15 Certifications:	02/08/2020 09:00	02/08/2020 22:42	AS
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	9.91	16.48	EPA TO-15 Certifications:	02/08/2020 09:00	02/08/2020 22:42	AS
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	7.62	16.48	EPA TO-15 Certifications:	02/08/2020 09:00	02/08/2020 22:42	AS
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	9.91	16.48	EPA TO-15 Certifications:	02/08/2020 09:00	02/08/2020 22:42	AS
123-91-1	1,4-Dioxane	ND		ug/m ³	11.9	16.48	EPA TO-15 Certifications:	02/08/2020 09:00	02/08/2020 22:42	AS
78-93-3	2-Butanone	ND		ug/m ³	4.86	16.48	EPA TO-15 Certifications:	02/08/2020 09:00	02/08/2020 22:42	AS
591-78-6	* 2-Hexanone	ND		ug/m ³	13.5	16.48	EPA TO-15 Certifications:	02/08/2020 09:00	02/08/2020 22:42	AS
107-05-1	3-Chloropropene	ND		ug/m ³	25.8	16.48	EPA TO-15 Certifications:	02/08/2020 09:00	02/08/2020 22:42	AS



Sample Information

Client Sample ID: VP-3

York Sample ID: 20B0137-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20B0137

130 Midland Avenue, Port Chester, New York

Soil Vapor

February 4, 2020 12:00 am

02/05/2020

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
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	6.75	16.48	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/08/2020 22:42	AS
67-64-1	Acetone	ND		ug/m ³	7.83	16.48	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/08/2020 22:42	AS
107-13-1	Acrylonitrile	ND		ug/m ³	3.58	16.48	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/08/2020 22:42	AS
71-43-2	Benzene	20.0		ug/m ³	5.26	16.48	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/08/2020 22:42	AS
100-44-7	Benzyl chloride	ND		ug/m ³	8.53	16.48	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/08/2020 22:42	AS
75-27-4	Bromodichloromethane	ND		ug/m ³	11.0	16.48	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/08/2020 22:42	AS
75-25-2	Bromoform	ND		ug/m ³	17.0	16.48	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/08/2020 22:42	AS
74-83-9	Bromomethane	ND		ug/m ³	6.40	16.48	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/08/2020 22:42	AS
75-15-0	Carbon disulfide	ND		ug/m ³	5.13	16.48	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/08/2020 22:42	AS
56-23-5	Carbon tetrachloride	ND		ug/m ³	2.59	16.48	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/08/2020 22:42	AS
108-90-7	Chlorobenzene	ND		ug/m ³	7.59	16.48	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/08/2020 22:42	AS
75-00-3	Chloroethane	ND		ug/m ³	4.35	16.48	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/08/2020 22:42	AS
67-66-3	Chloroform	ND		ug/m ³	8.05	16.48	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/08/2020 22:42	AS
74-87-3	Chloromethane	ND		ug/m ³	3.40	16.48	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/08/2020 22:42	AS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	1.63	16.48	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/08/2020 22:42	AS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	7.48	16.48	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/08/2020 22:42	AS
110-82-7	Cyclohexane	ND		ug/m ³	5.67	16.48	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/08/2020 22:42	AS
124-48-1	Dibromochloromethane	ND		ug/m ³	14.0	16.48	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/08/2020 22:42	AS
75-71-8	Dichlorodifluoromethane	2080		ug/m ³	8.15	16.48	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/08/2020 22:42	AS
141-78-6	* Ethyl acetate	ND		ug/m ³	11.9	16.48	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/08/2020 22:42	AS
100-41-4	Ethyl Benzene	ND		ug/m ³	7.16	16.48	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/08/2020 22:42	AS
87-68-3	Hexachlorobutadiene	ND		ug/m ³	17.6	16.48	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/08/2020 22:42	AS
67-63-0	Isopropanol	ND		ug/m ³	8.10	16.48	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/08/2020 22:42	AS



Sample Information

Client Sample ID: VP-3

York Sample ID: 20B0137-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20B0137

130 Midland Avenue, Port Chester, New York

Soil Vapor

February 4, 2020 12:00 am

02/05/2020

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
80-62-6	Methyl Methacrylate	ND		ug/m ³	6.75	16.48	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/08/2020 22:42	AS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	5.94	16.48	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/08/2020 22:42	AS
75-09-2	Methylene chloride	ND		ug/m ³	11.4	16.48	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/08/2020 22:42	AS
142-82-5	n-Heptane	ND		ug/m ³	6.75	16.48	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/08/2020 22:42	AS
110-54-3	n-Hexane	ND		ug/m ³	5.81	16.48	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/08/2020 22:42	AS
95-47-6	o-Xylene	ND		ug/m ³	7.16	16.48	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/08/2020 22:42	AS
179601-23-1	p- & m- Xylenes	ND		ug/m ³	14.3	16.48	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/08/2020 22:42	AS
622-96-8	* p-Ethyltoluene	ND		ug/m ³	8.10	16.48	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/08/2020 22:42	AS
115-07-1	* Propylene	ND		ug/m ³	2.84	16.48	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/08/2020 22:42	AS
100-42-5	Styrene	ND		ug/m ³	7.02	16.48	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/08/2020 22:42	AS
127-18-4	Tetrachloroethylene	19.0		ug/m ³	11.2	16.48	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/08/2020 22:42	AS
109-99-9	* Tetrahydrofuran	ND		ug/m ³	9.72	16.48	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/08/2020 22:42	AS
108-88-3	Toluene	ND		ug/m ³	6.21	16.48	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/08/2020 22:42	AS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	6.53	16.48	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/08/2020 22:42	AS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	7.48	16.48	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/08/2020 22:42	AS
79-01-6	Trichloroethylene	ND		ug/m ³	2.21	16.48	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/08/2020 22:42	AS
75-69-4	Trichlorofluoromethane (Freon 11)	21.3		ug/m ³	9.26	16.48	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/08/2020 22:42	AS
108-05-4	Vinyl acetate	ND		ug/m ³	5.80	16.48	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/08/2020 22:42	AS
593-60-2	Vinyl bromide	ND		ug/m ³	7.21	16.48	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/08/2020 22:42	AS
75-01-4	Vinyl Chloride	ND		ug/m ³	1.05	16.48	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/08/2020 22:42	AS
Surrogate Recoveries		Result	Acceptance Range							
460-00-4	Surrogate: Surr: p-Bromofluorobenzene	94.5 %	72-118							



Sample Information

Client Sample ID: VP-4

York Sample ID: 20B0137-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20B0137

130 Midland Avenue, Port Chester, New York

Soil Vapor

February 4, 2020 12:00 am

02/05/2020

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	4.29	6.248	EPA TO-15 Certifications:	02/08/2020 09:00	02/09/2020 04:08	AS
71-55-6	1,1,1-Trichloroethane	17.0		ug/m ³	3.41	6.248	EPA TO-15 Certifications:	02/08/2020 09:00	02/09/2020 04:08	AS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	4.29	6.248	EPA TO-15 Certifications:	02/08/2020 09:00	02/09/2020 04:08	AS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	4.79	6.248	EPA TO-15 Certifications:	02/08/2020 09:00	02/09/2020 04:08	AS
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	3.41	6.248	EPA TO-15 Certifications:	02/08/2020 09:00	02/09/2020 04:08	AS
75-34-3	1,1-Dichloroethane	ND		ug/m ³	2.53	6.248	EPA TO-15 Certifications:	02/08/2020 09:00	02/09/2020 04:08	AS
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.619	6.248	EPA TO-15 Certifications:	02/08/2020 09:00	02/09/2020 04:08	AS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	4.64	6.248	EPA TO-15 Certifications:	02/08/2020 09:00	02/09/2020 04:08	AS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m ³	3.07	6.248	EPA TO-15 Certifications:	02/08/2020 09:00	02/09/2020 04:08	AS
106-93-4	1,2-Dibromoethane	ND		ug/m ³	4.80	6.248	EPA TO-15 Certifications:	02/08/2020 09:00	02/09/2020 04:08	AS
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	3.76	6.248	EPA TO-15 Certifications:	02/08/2020 09:00	02/09/2020 04:08	AS
107-06-2	1,2-Dichloroethane	ND		ug/m ³	2.53	6.248	EPA TO-15 Certifications:	02/08/2020 09:00	02/09/2020 04:08	AS
78-87-5	1,2-Dichloropropane	ND		ug/m ³	2.89	6.248	EPA TO-15 Certifications:	02/08/2020 09:00	02/09/2020 04:08	AS
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	4.37	6.248	EPA TO-15 Certifications:	02/08/2020 09:00	02/09/2020 04:08	AS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m ³	3.07	6.248	EPA TO-15 Certifications:	02/08/2020 09:00	02/09/2020 04:08	AS
106-99-0	1,3-Butadiene	ND		ug/m ³	4.15	6.248	EPA TO-15 Certifications:	02/08/2020 09:00	02/09/2020 04:08	AS
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	3.76	6.248	EPA TO-15 Certifications:	02/08/2020 09:00	02/09/2020 04:08	AS
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	2.89	6.248	EPA TO-15 Certifications:	02/08/2020 09:00	02/09/2020 04:08	AS
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	3.76	6.248	EPA TO-15 Certifications:	02/08/2020 09:00	02/09/2020 04:08	AS
123-91-1	1,4-Dioxane	ND		ug/m ³	4.50	6.248	EPA TO-15 Certifications:	02/08/2020 09:00	02/09/2020 04:08	AS
78-93-3	2-Butanone	ND		ug/m ³	1.84	6.248	EPA TO-15 Certifications:	02/08/2020 09:00	02/09/2020 04:08	AS
591-78-6	* 2-Hexanone	ND		ug/m ³	5.12	6.248	EPA TO-15 Certifications:	02/08/2020 09:00	02/09/2020 04:08	AS
107-05-1	3-Chloropropene	ND		ug/m ³	9.78	6.248	EPA TO-15 Certifications:	02/08/2020 09:00	02/09/2020 04:08	AS



Sample Information

Client Sample ID: VP-4

York Sample ID: 20B0137-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20B0137

130 Midland Avenue, Port Chester, New York

Soil Vapor

February 4, 2020 12:00 am

02/05/2020

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
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	2.56	6.248	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 04:08	AS
67-64-1	Acetone	3.71		ug/m ³	2.97	6.248	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 04:08	AS
107-13-1	Acrylonitrile	ND		ug/m ³	1.36	6.248	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 04:08	AS
71-43-2	Benzene	ND		ug/m ³	2.00	6.248	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 04:08	AS
100-44-7	Benzyl chloride	ND		ug/m ³	3.23	6.248	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 04:08	AS
75-27-4	Bromodichloromethane	ND		ug/m ³	4.19	6.248	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 04:08	AS
75-25-2	Bromoform	ND		ug/m ³	6.46	6.248	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 04:08	AS
74-83-9	Bromomethane	ND		ug/m ³	2.43	6.248	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 04:08	AS
75-15-0	Carbon disulfide	ND		ug/m ³	1.95	6.248	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 04:08	AS
56-23-5	Carbon tetrachloride	ND		ug/m ³	0.983	6.248	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 04:08	AS
108-90-7	Chlorobenzene	ND		ug/m ³	2.88	6.248	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 04:08	AS
75-00-3	Chloroethane	ND		ug/m ³	1.65	6.248	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 04:08	AS
67-66-3	Chloroform	14.3		ug/m ³	3.05	6.248	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 04:08	AS
74-87-3	Chloromethane	ND		ug/m ³	1.29	6.248	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 04:08	AS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	0.619	6.248	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 04:08	AS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	2.84	6.248	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 04:08	AS
110-82-7	Cyclohexane	ND		ug/m ³	2.15	6.248	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 04:08	AS
124-48-1	Dibromochloromethane	ND		ug/m ³	5.32	6.248	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 04:08	AS
75-71-8	Dichlorodifluoromethane	790		ug/m ³	3.09	6.248	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 04:08	AS
141-78-6	* Ethyl acetate	ND		ug/m ³	4.50	6.248	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 04:08	AS
100-41-4	Ethyl Benzene	ND		ug/m ³	2.71	6.248	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 04:08	AS
87-68-3	Hexachlorobutadiene	ND		ug/m ³	6.66	6.248	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 04:08	AS
67-63-0	Isopropanol	ND		ug/m ³	3.07	6.248	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 04:08	AS



Sample Information

Client Sample ID: VP-4

York Sample ID: 20B0137-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20B0137

130 Midland Avenue, Port Chester, New York

Soil Vapor

February 4, 2020 12:00 am

02/05/2020

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
80-62-6	Methyl Methacrylate	ND		ug/m ³	2.56	6.248	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 04:08	AS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	2.25	6.248	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 04:08	AS
75-09-2	Methylene chloride	ND		ug/m ³	4.34	6.248	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 04:08	AS
142-82-5	n-Heptane	ND		ug/m ³	2.56	6.248	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 04:08	AS
110-54-3	n-Hexane	ND		ug/m ³	2.20	6.248	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 04:08	AS
95-47-6	o-Xylene	ND		ug/m ³	2.71	6.248	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 04:08	AS
179601-23-1	p- & m- Xylenes	ND		ug/m ³	5.43	6.248	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 04:08	AS
622-96-8	* p-Ethyltoluene	ND		ug/m ³	3.07	6.248	EPA TO-15 Certifications:	02/08/2020 09:00	02/09/2020 04:08	AS
115-07-1	* Propylene	ND		ug/m ³	1.08	6.248	EPA TO-15 Certifications:	02/08/2020 09:00	02/09/2020 04:08	AS
100-42-5	Styrene	ND		ug/m ³	2.66	6.248	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 04:08	AS
127-18-4	Tetrachloroethylene	11.9		ug/m ³	4.24	6.248	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 04:08	AS
109-99-9	* Tetrahydrofuran	ND		ug/m ³	3.69	6.248	EPA TO-15 Certifications:	02/08/2020 09:00	02/09/2020 04:08	AS
108-88-3	Toluene	ND		ug/m ³	2.35	6.248	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 04:08	AS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	2.48	6.248	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 04:08	AS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	2.84	6.248	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 04:08	AS
79-01-6	Trichloroethylene	ND		ug/m ³	0.839	6.248	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 04:08	AS
75-69-4	Trichlorofluoromethane (Freon 11)	167		ug/m ³	3.51	6.248	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 04:08	AS
108-05-4	Vinyl acetate	ND		ug/m ³	2.20	6.248	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 04:08	AS
593-60-2	Vinyl bromide	ND		ug/m ³	2.73	6.248	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 04:08	AS
75-01-4	Vinyl Chloride	ND		ug/m ³	0.399	6.248	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 04:08	AS
Surrogate Recoveries		Result	Acceptance Range							
460-00-4	Surrogate: Surr: p-Bromofluorobenzene	97.3 %	72-118							



Sample Information

Client Sample ID: VP-5

York Sample ID: 20B0137-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20B0137

130 Midland Avenue, Port Chester, New York

Soil Vapor

February 4, 2020 12:00 am

02/05/2020

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	1.14	1.666	EPA TO-15 Certifications:	02/08/2020 09:00	02/09/2020 10:16	AS
71-55-6	1,1,1-Trichloroethane	33.7		ug/m ³	0.909	1.666	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 10:16	AS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	1.14	1.666	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 10:16	AS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	1.28	1.666	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 10:16	AS
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	0.909	1.666	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 10:16	AS
75-34-3	1,1-Dichloroethane	2.09		ug/m ³	0.674	1.666	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 10:16	AS
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.165	1.666	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 10:16	AS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	1.24	1.666	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 10:16	AS
95-63-6	1,2,4-Trimethylbenzene	3.60		ug/m ³	0.819	1.666	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 10:16	AS
106-93-4	1,2-Dibromoethane	ND		ug/m ³	1.28	1.666	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 10:16	AS
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	1.00	1.666	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 10:16	AS
107-06-2	1,2-Dichloroethane	ND		ug/m ³	0.674	1.666	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 10:16	AS
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.770	1.666	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 10:16	AS
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	1.16	1.666	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 10:16	AS
108-67-8	1,3,5-Trimethylbenzene	1.31		ug/m ³	0.819	1.666	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 10:16	AS
106-99-0	1,3-Butadiene	ND		ug/m ³	1.11	1.666	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 10:16	AS
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	1.00	1.666	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 10:16	AS
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	0.770	1.666	EPA TO-15 Certifications:	02/08/2020 09:00	02/09/2020 10:16	AS
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	1.00	1.666	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 10:16	AS
123-91-1	1,4-Dioxane	ND		ug/m ³	1.20	1.666	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 10:16	AS
78-93-3	2-Butanone	2.46		ug/m ³	0.491	1.666	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 10:16	AS
591-78-6	* 2-Hexanone	ND		ug/m ³	1.36	1.666	EPA TO-15 Certifications:	02/08/2020 09:00	02/09/2020 10:16	AS
107-05-1	3-Chloropropene	ND		ug/m ³	2.61	1.666	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 10:16	AS



Sample Information

Client Sample ID: VP-5

York Sample ID: 20B0137-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20B0137

130 Midland Avenue, Port Chester, New York

Soil Vapor

February 4, 2020 12:00 am

02/05/2020

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
108-10-1	4-Methyl-2-pentanone	2.32		ug/m ³	0.682	1.666	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 10:16	AS
67-64-1	Acetone	22.3		ug/m ³	0.792	1.666	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 10:16	AS
107-13-1	Acrylonitrile	ND		ug/m ³	0.362	1.666	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 10:16	AS
71-43-2	Benzene	70.6		ug/m ³	0.532	1.666	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 10:16	AS
100-44-7	Benzyl chloride	ND		ug/m ³	0.863	1.666	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 10:16	AS
75-27-4	Bromodichloromethane	ND		ug/m ³	1.12	1.666	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 10:16	AS
75-25-2	Bromoform	ND		ug/m ³	1.72	1.666	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 10:16	AS
74-83-9	Bromomethane	ND		ug/m ³	0.647	1.666	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 10:16	AS
75-15-0	Carbon disulfide	12.7		ug/m ³	0.519	1.666	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 10:16	AS
56-23-5	Carbon tetrachloride	ND		ug/m ³	0.262	1.666	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 10:16	AS
108-90-7	Chlorobenzene	ND		ug/m ³	0.767	1.666	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 10:16	AS
75-00-3	Chloroethane	1.49		ug/m ³	0.440	1.666	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 10:16	AS
67-66-3	Chloroform	1.79		ug/m ³	0.813	1.666	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 10:16	AS
74-87-3	Chloromethane	ND		ug/m ³	0.344	1.666	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 10:16	AS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	0.165	1.666	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 10:16	AS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.756	1.666	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 10:16	AS
110-82-7	Cyclohexane	4.65		ug/m ³	0.573	1.666	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 10:16	AS
124-48-1	Dibromochloromethane	ND		ug/m ³	1.42	1.666	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 10:16	AS
75-71-8	Dichlorodifluoromethane	54.5		ug/m ³	0.824	1.666	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 10:16	AS
141-78-6	* Ethyl acetate	ND		ug/m ³	1.20	1.666	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 10:16	AS
100-41-4	Ethyl Benzene	1.45		ug/m ³	0.723	1.666	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 10:16	AS
87-68-3	Hexachlorobutadiene	ND		ug/m ³	1.78	1.666	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 10:16	AS
67-63-0	Isopropanol	1.27		ug/m ³	0.819	1.666	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 10:16	AS



Sample Information

Client Sample ID: VP-5

York Sample ID: 20B0137-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20B0137

130 Midland Avenue, Port Chester, New York

Soil Vapor

February 4, 2020 12:00 am

02/05/2020

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
80-62-6	Methyl Methacrylate	2.18		ug/m ³	0.682	1.666	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 10:16	AS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	0.601	1.666	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 10:16	AS
75-09-2	Methylene chloride	1.85		ug/m ³	1.16	1.666	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 10:16	AS
142-82-5	n-Heptane	2.32		ug/m ³	0.683	1.666	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 10:16	AS
110-54-3	n-Hexane	1.41		ug/m ³	0.587	1.666	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 10:16	AS
95-47-6	o-Xylene	3.11		ug/m ³	0.723	1.666	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 10:16	AS
179601-23-1	p- & m- Xylenes	5.64		ug/m ³	1.45	1.666	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 10:16	AS
622-96-8	* p-Ethyltoluene	3.77		ug/m ³	0.819	1.666	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 10:16	AS
115-07-1	* Propylene	ND		ug/m ³	0.287	1.666	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 10:16	AS
100-42-5	Styrene	0.710		ug/m ³	0.710	1.666	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 10:16	AS
127-18-4	Tetrachloroethylene	5.76		ug/m ³	1.13	1.666	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 10:16	AS
109-99-9	* Tetrahydrofuran	ND		ug/m ³	0.983	1.666	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 10:16	AS
108-88-3	Toluene	3.20		ug/m ³	0.628	1.666	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 10:16	AS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	0.661	1.666	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 10:16	AS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.756	1.666	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 10:16	AS
79-01-6	Trichloroethylene	0.448		ug/m ³	0.224	1.666	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 10:16	AS
75-69-4	Trichlorofluoromethane (Freon 11)	74.9		ug/m ³	0.936	1.666	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 10:16	AS
108-05-4	Vinyl acetate	ND		ug/m ³	0.587	1.666	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 10:16	AS
593-60-2	Vinyl bromide	ND		ug/m ³	0.729	1.666	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 10:16	AS
75-01-4	Vinyl Chloride	ND		ug/m ³	0.106	1.666	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 10:16	AS



Sample Information

Client Sample ID: VP-6

York Sample ID: 20B0137-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20B0137

130 Midland Avenue, Port Chester, New York

Soil Vapor

February 4, 2020 12:00 am

02/05/2020

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	1.19	1.73	EPA TO-15 Certifications:	02/08/2020 09:00	02/09/2020 11:08	AS
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	0.944	1.73	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 11:08	AS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	1.19	1.73	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 11:08	AS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	1.33	1.73	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 11:08	AS
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	0.944	1.73	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 11:08	AS
75-34-3	1,1-Dichloroethane	ND		ug/m ³	0.700	1.73	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 11:08	AS
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.171	1.73	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 11:08	AS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	1.28	1.73	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 11:08	AS
95-63-6	1,2,4-Trimethylbenzene	1.53		ug/m ³	0.850	1.73	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 11:08	AS
106-93-4	1,2-Dibromoethane	ND		ug/m ³	1.33	1.73	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 11:08	AS
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	1.04	1.73	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 11:08	AS
107-06-2	1,2-Dichloroethane	ND		ug/m ³	0.700	1.73	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 11:08	AS
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.799	1.73	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 11:08	AS
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	1.21	1.73	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 11:08	AS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m ³	0.850	1.73	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 11:08	AS
106-99-0	1,3-Butadiene	ND		ug/m ³	1.15	1.73	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 11:08	AS
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	1.04	1.73	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 11:08	AS
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	0.799	1.73	EPA TO-15 Certifications:	02/08/2020 09:00	02/09/2020 11:08	AS
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	1.04	1.73	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 11:08	AS
123-91-1	1,4-Dioxane	ND		ug/m ³	1.25	1.73	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 11:08	AS
78-93-3	2-Butanone	4.64		ug/m ³	0.510	1.73	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 11:08	AS
591-78-6	* 2-Hexanone	ND		ug/m ³	1.42	1.73	EPA TO-15 Certifications:	02/08/2020 09:00	02/09/2020 11:08	AS
107-05-1	3-Chloropropene	ND		ug/m ³	2.71	1.73	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 11:08	AS



Sample Information

Client Sample ID: VP-6

York Sample ID: 20B0137-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20B0137

130 Midland Avenue, Port Chester, New York

Soil Vapor

February 4, 2020 12:00 am

02/05/2020

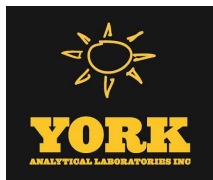
Volatile Organics, EPA TO15 Full List

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
108-10-1	4-Methyl-2-pentanone	3.47		ug/m ³	0.709	1.73	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 11:08	AS
67-64-1	Acetone	160		ug/m ³	0.822	1.73	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 11:08	AS
107-13-1	Acrylonitrile	ND		ug/m ³	0.375	1.73	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 11:08	AS
71-43-2	Benzene	1.27		ug/m ³	0.553	1.73	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 11:08	AS
100-44-7	Benzyl chloride	ND		ug/m ³	0.896	1.73	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 11:08	AS
75-27-4	Bromodichloromethane	ND		ug/m ³	1.16	1.73	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 11:08	AS
75-25-2	Bromoform	ND		ug/m ³	1.79	1.73	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 11:08	AS
74-83-9	Bromomethane	ND		ug/m ³	0.672	1.73	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 11:08	AS
75-15-0	Carbon disulfide	ND		ug/m ³	0.539	1.73	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 11:08	AS
56-23-5	Carbon tetrachloride	0.435		ug/m ³	0.272	1.73	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 11:08	AS
108-90-7	Chlorobenzene	ND		ug/m ³	0.796	1.73	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 11:08	AS
75-00-3	Chloroethane	ND		ug/m ³	0.456	1.73	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 11:08	AS
67-66-3	Chloroform	ND		ug/m ³	0.845	1.73	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 11:08	AS
74-87-3	Chloromethane	1.18		ug/m ³	0.357	1.73	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 11:08	AS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	0.171	1.73	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 11:08	AS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.785	1.73	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 11:08	AS
110-82-7	Cyclohexane	ND		ug/m ³	0.595	1.73	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 11:08	AS
124-48-1	Dibromochloromethane	ND		ug/m ³	1.47	1.73	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 11:08	AS
75-71-8	Dichlorodifluoromethane	1.80		ug/m ³	0.856	1.73	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 11:08	AS
141-78-6	* Ethyl acetate	1.50		ug/m ³	1.25	1.73	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 11:08	AS
100-41-4	Ethyl Benzene	0.826		ug/m ³	0.751	1.73	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 11:08	AS
87-68-3	Hexachlorobutadiene	ND		ug/m ³	1.85	1.73	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 11:08	AS
67-63-0	Isopropanol	16.8		ug/m ³	0.850	1.73	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 11:08	AS



Sample Information

Client Sample ID: VP-6

York Sample ID: 20B0137-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20B0137

130 Midland Avenue, Port Chester, New York

Soil Vapor

February 4, 2020 12:00 am

02/05/2020

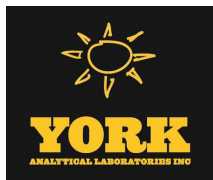
Volatile Organics, EPA TO15 Full List

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
80-62-6	Methyl Methacrylate	14.4		ug/m³	0.708	1.73	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 11:08	AS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	0.624	1.73	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 11:08	AS
75-09-2	Methylene chloride	1.56		ug/m³	1.20	1.73	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 11:08	AS
142-82-5	n-Heptane	5.96		ug/m³	0.709	1.73	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 11:08	AS
110-54-3	n-Hexane	1.22		ug/m³	0.610	1.73	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 11:08	AS
95-47-6	o-Xylene	0.976		ug/m³	0.751	1.73	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 11:08	AS
179601-23-1	p- & m- Xylenes	2.70		ug/m³	1.50	1.73	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 11:08	AS
622-96-8	* p-Ethyltoluene	1.62		ug/m³	0.850	1.73	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 11:08	AS
115-07-1	* Propylene	ND		ug/m³	0.298	1.73	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 11:08	AS
100-42-5	Styrene	ND		ug/m³	0.737	1.73	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 11:08	AS
127-18-4	Tetrachloroethylene	1.41		ug/m³	1.17	1.73	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 11:08	AS
109-99-9	* Tetrahydrofuran	1.12		ug/m³	1.02	1.73	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 11:08	AS
108-88-3	Toluene	4.24		ug/m³	0.652	1.73	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 11:08	AS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	0.686	1.73	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 11:08	AS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	0.785	1.73	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 11:08	AS
79-01-6	Trichloroethylene	ND		ug/m³	0.232	1.73	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 11:08	AS
75-69-4	Trichlorofluoromethane (Freon 11)	1.36		ug/m³	0.972	1.73	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 11:08	AS
108-05-4	Vinyl acetate	ND		ug/m³	0.609	1.73	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 11:08	AS
593-60-2	Vinyl bromide	ND		ug/m³	0.757	1.73	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 11:08	AS
75-01-4	Vinyl Chloride	ND		ug/m³	0.111	1.73	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 11:08	AS
Surrogate Recoveries		Result	Acceptance Range							
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	98.0 %	72-118							



Sample Information

Client Sample ID: VP-7

York Sample ID: 20B0137-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20B0137

130 Midland Avenue, Port Chester, New York

Soil Vapor

February 4, 2020 12:00 am

02/05/2020

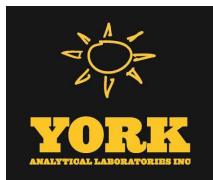
Volatile Organics, EPA TO15 Full List

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	12.5	18.22	EPA TO-15 Certifications:	02/08/2020 09:00	02/09/2020 14:17	AS
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	9.94	18.22	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 14:17	AS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	12.5	18.22	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 14:17	AS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	14.0	18.22	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 14:17	AS
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	9.94	18.22	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 14:17	AS
75-34-3	1,1-Dichloroethane	ND		ug/m ³	7.37	18.22	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 14:17	AS
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	1.81	18.22	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 14:17	AS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	13.5	18.22	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 14:17	AS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m ³	8.96	18.22	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 14:17	AS
106-93-4	1,2-Dibromoethane	ND		ug/m ³	14.0	18.22	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 14:17	AS
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	11.0	18.22	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 14:17	AS
107-06-2	1,2-Dichloroethane	ND		ug/m ³	7.37	18.22	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 14:17	AS
78-87-5	1,2-Dichloropropane	ND		ug/m ³	8.42	18.22	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 14:17	AS
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	12.7	18.22	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 14:17	AS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m ³	8.96	18.22	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 14:17	AS
106-99-0	1,3-Butadiene	ND		ug/m ³	12.1	18.22	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 14:17	AS
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	11.0	18.22	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 14:17	AS
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	8.42	18.22	EPA TO-15 Certifications:	02/08/2020 09:00	02/09/2020 14:17	AS
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	11.0	18.22	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 14:17	AS
123-91-1	1,4-Dioxane	ND		ug/m ³	13.1	18.22	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 14:17	AS
78-93-3	2-Butanone	50.5		ug/m ³	5.37	18.22	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 14:17	AS
591-78-6	* 2-Hexanone	ND		ug/m ³	14.9	18.22	EPA TO-15 Certifications:	02/08/2020 09:00	02/09/2020 14:17	AS
107-05-1	3-Chloropropene	ND		ug/m ³	28.5	18.22	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 14:17	AS



Sample Information

Client Sample ID: VP-7

York Sample ID: 20B0137-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20B0137

130 Midland Avenue, Port Chester, New York

Soil Vapor

February 4, 2020 12:00 am

02/05/2020

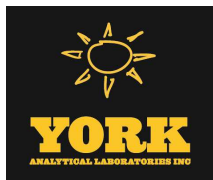
Volatile Organics, EPA TO15 Full List

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
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	7.46	18.22	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 14:17	AS
67-64-1	Acetone	1430		ug/m ³	8.66	18.22	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 14:17	AS
107-13-1	Acrylonitrile	ND		ug/m ³	3.95	18.22	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 14:17	AS
71-43-2	Benzene	ND		ug/m ³	5.82	18.22	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 14:17	AS
100-44-7	Benzyl chloride	ND		ug/m ³	9.43	18.22	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 14:17	AS
75-27-4	Bromodichloromethane	ND		ug/m ³	12.2	18.22	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 14:17	AS
75-25-2	Bromoform	ND		ug/m ³	18.8	18.22	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 14:17	AS
74-83-9	Bromomethane	ND		ug/m ³	7.07	18.22	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 14:17	AS
75-15-0	Carbon disulfide	49.9		ug/m ³	5.67	18.22	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 14:17	AS
56-23-5	Carbon tetrachloride	ND		ug/m ³	2.87	18.22	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 14:17	AS
108-90-7	Chlorobenzene	ND		ug/m ³	8.39	18.22	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 14:17	AS
75-00-3	Chloroethane	ND		ug/m ³	4.81	18.22	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 14:17	AS
67-66-3	Chloroform	ND		ug/m ³	8.90	18.22	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 14:17	AS
74-87-3	Chloromethane	ND		ug/m ³	3.76	18.22	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 14:17	AS
156-59-2	cis-1,2-Dichloroethylene	2.17		ug/m ³	1.81	18.22	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 14:17	AS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	8.27	18.22	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 14:17	AS
110-82-7	Cyclohexane	17.6		ug/m ³	6.27	18.22	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 14:17	AS
124-48-1	Dibromochloromethane	ND		ug/m ³	15.5	18.22	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 14:17	AS
75-71-8	Dichlorodifluoromethane	ND		ug/m ³	9.01	18.22	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 14:17	AS
141-78-6	* Ethyl acetate	ND		ug/m ³	13.1	18.22	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 14:17	AS
100-41-4	Ethyl Benzene	ND		ug/m ³	7.91	18.22	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 14:17	AS
87-68-3	Hexachlorobutadiene	ND		ug/m ³	19.4	18.22	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 14:17	AS
67-63-0	Isopropanol	ND		ug/m ³	8.96	18.22	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 14:17	AS



Sample Information

Client Sample ID: VP-7

York Sample ID: 20B0137-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20B0137

130 Midland Avenue, Port Chester, New York

Soil Vapor

February 4, 2020 12:00 am

02/05/2020

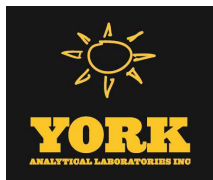
Volatile Organics, EPA TO15 Full List

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
80-62-6	Methyl Methacrylate	ND		ug/m ³	7.46	18.22	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 14:17	AS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	6.57	18.22	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 14:17	AS
75-09-2	Methylene chloride	ND		ug/m ³	12.7	18.22	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 14:17	AS
142-82-5	n-Heptane	16.4		ug/m ³	7.47	18.22	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 14:17	AS
110-54-3	n-Hexane	18.6		ug/m ³	6.42	18.22	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 14:17	AS
95-47-6	o-Xylene	ND		ug/m ³	7.91	18.22	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 14:17	AS
179601-23-1	p- & m- Xylenes	ND		ug/m ³	15.8	18.22	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 14:17	AS
622-96-8	* p-Ethyltoluene	ND		ug/m ³	8.96	18.22	EPA TO-15 Certifications:	02/08/2020 09:00	02/09/2020 14:17	AS
115-07-1	* Propylene	ND		ug/m ³	3.14	18.22	EPA TO-15 Certifications:	02/08/2020 09:00	02/09/2020 14:17	AS
100-42-5	Styrene	ND		ug/m ³	7.76	18.22	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 14:17	AS
127-18-4	Tetrachloroethylene	17.3		ug/m ³	12.4	18.22	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 14:17	AS
109-99-9	* Tetrahydrofuran	ND		ug/m ³	10.7	18.22	EPA TO-15 Certifications:	02/08/2020 09:00	02/09/2020 14:17	AS
108-88-3	Toluene	ND		ug/m ³	6.87	18.22	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 14:17	AS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	7.22	18.22	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 14:17	AS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	8.27	18.22	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 14:17	AS
79-01-6	Trichloroethylene	3.92		ug/m ³	2.45	18.22	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 14:17	AS
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m ³	10.2	18.22	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 14:17	AS
108-05-4	Vinyl acetate	ND		ug/m ³	6.42	18.22	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 14:17	AS
593-60-2	Vinyl bromide	ND		ug/m ³	7.97	18.22	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 14:17	AS
75-01-4	Vinyl Chloride	ND		ug/m ³	1.16	18.22	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 14:17	AS
Surrogate Recoveries		Result	Acceptance Range							
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	94.1 %	72-118							



Sample Information

Client Sample ID: Indoor

York Sample ID: 20B0137-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20B0137

130 Midland Avenue, Port Chester, New York

Indoor Ambient Air

February 4, 2020 12:00 am

02/05/2020

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	0.605	0.882	EPA TO-15 Certifications:	02/08/2020 09:00	02/09/2020 17:00	AS
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	0.481	0.882	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 17:00	AS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	0.605	0.882	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 17:00	AS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	0.676	0.882	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 17:00	AS
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	0.481	0.882	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 17:00	AS
75-34-3	1,1-Dichloroethane	ND		ug/m ³	0.357	0.882	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 17:00	AS
75-35-4	1,1-Dichloroethylene	0.245		ug/m ³	0.0874	0.882	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 17:00	AS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	0.655	0.882	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 17:00	AS
95-63-6	1,2,4-Trimethylbenzene	4.64		ug/m ³	0.434	0.882	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 17:00	AS
106-93-4	1,2-Dibromoethane	ND		ug/m ³	0.678	0.882	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 17:00	AS
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	0.530	0.882	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 17:00	AS
107-06-2	1,2-Dichloroethane	ND		ug/m ³	0.357	0.882	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 17:00	AS
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.408	0.882	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 17:00	AS
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	0.617	0.882	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 17:00	AS
108-67-8	1,3,5-Trimethylbenzene	1.08		ug/m ³	0.434	0.882	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 17:00	AS
106-99-0	1,3-Butadiene	ND		ug/m ³	0.585	0.882	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 17:00	AS
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	0.530	0.882	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 17:00	AS
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	0.408	0.882	EPA TO-15 Certifications:	02/08/2020 09:00	02/09/2020 17:00	AS
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	0.530	0.882	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 17:00	AS
123-91-1	1,4-Dioxane	ND		ug/m ³	0.636	0.882	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 17:00	AS
78-93-3	2-Butanone	1.17		ug/m ³	0.260	0.882	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 17:00	AS
591-78-6	* 2-Hexanone	ND		ug/m ³	0.723	0.882	EPA TO-15 Certifications:	02/08/2020 09:00	02/09/2020 17:00	AS
107-05-1	3-Chloropropene	ND		ug/m ³	1.38	0.882	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 17:00	AS



Sample Information

Client Sample ID: Indoor

York Sample ID: 20B0137-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20B0137

130 Midland Avenue, Port Chester, New York

Indoor Ambient Air

February 4, 2020 12:00 am

02/05/2020

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
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	0.361	0.882	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 17:00	AS
67-64-1	Acetone	78.2		ug/m ³	0.419	0.882	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 17:00	AS
107-13-1	Acrylonitrile	ND		ug/m ³	0.191	0.882	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 17:00	AS
71-43-2	Benzene	1.24		ug/m ³	0.282	0.882	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 17:00	AS
100-44-7	Benzyl chloride	ND		ug/m ³	0.457	0.882	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 17:00	AS
75-27-4	Bromodichloromethane	ND		ug/m ³	0.591	0.882	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 17:00	AS
75-25-2	Bromoform	ND		ug/m ³	0.912	0.882	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 17:00	AS
74-83-9	Bromomethane	ND		ug/m ³	0.342	0.882	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 17:00	AS
75-15-0	Carbon disulfide	ND		ug/m ³	0.275	0.882	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 17:00	AS
56-23-5	Carbon tetrachloride	0.499		ug/m ³	0.139	0.882	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 17:00	AS
108-90-7	Chlorobenzene	ND		ug/m ³	0.406	0.882	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 17:00	AS
75-00-3	Chloroethane	ND		ug/m ³	0.233	0.882	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 17:00	AS
67-66-3	Chloroform	ND		ug/m ³	0.431	0.882	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 17:00	AS
74-87-3	Chloromethane	1.02		ug/m ³	0.182	0.882	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 17:00	AS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	0.0874	0.882	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 17:00	AS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.400	0.882	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 17:00	AS
110-82-7	Cyclohexane	0.304		ug/m ³	0.304	0.882	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 17:00	AS
124-48-1	Dibromochloromethane	ND		ug/m ³	0.751	0.882	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 17:00	AS
75-71-8	Dichlorodifluoromethane	2.66		ug/m ³	0.436	0.882	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 17:00	AS
141-78-6	* Ethyl acetate	0.763		ug/m ³	0.636	0.882	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 17:00	AS
100-41-4	Ethyl Benzene	0.651		ug/m ³	0.383	0.882	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 17:00	AS
87-68-3	Hexachlorobutadiene	ND		ug/m ³	0.941	0.882	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 17:00	AS
67-63-0	Isopropanol	3.90		ug/m ³	0.434	0.882	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 17:00	AS



Sample Information

Client Sample ID: Indoor

York Sample ID: 20B0137-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20B0137

130 Midland Avenue, Port Chester, New York

Indoor Ambient Air

February 4, 2020 12:00 am

02/05/2020

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
80-62-6	Methyl Methacrylate	3.72		ug/m ³	0.361	0.882	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 17:00	AS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	0.318	0.882	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 17:00	AS
75-09-2	Methylene chloride	1.87		ug/m ³	0.613	0.882	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 17:00	AS
142-82-5	n-Heptane	0.940		ug/m ³	0.361	0.882	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 17:00	AS
110-54-3	n-Hexane	0.902		ug/m ³	0.311	0.882	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 17:00	AS
95-47-6	o-Xylene	0.957		ug/m ³	0.383	0.882	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 17:00	AS
179601-23-1	p- & m- Xylenes	2.18		ug/m ³	0.766	0.882	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 17:00	AS
622-96-8	* p-Ethyltoluene	5.20		ug/m ³	0.434	0.882	EPA TO-15 Certifications:	02/08/2020 09:00	02/09/2020 17:00	AS
115-07-1	* Propylene	ND		ug/m ³	0.152	0.882	EPA TO-15 Certifications:	02/08/2020 09:00	02/09/2020 17:00	AS
100-42-5	Styrene	0.376		ug/m ³	0.376	0.882	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 17:00	AS
127-18-4	Tetrachloroethylene	295		ug/m ³	0.598	0.882	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 17:00	AS
109-99-9	* Tetrahydrofuran	ND		ug/m ³	0.520	0.882	EPA TO-15 Certifications:	02/08/2020 09:00	02/09/2020 17:00	AS
108-88-3	Toluene	3.59		ug/m ³	0.332	0.882	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 17:00	AS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	0.350	0.882	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 17:00	AS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.400	0.882	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 17:00	AS
79-01-6	Trichloroethylene	0.995		ug/m ³	0.118	0.882	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 17:00	AS
75-69-4	Trichlorofluoromethane (Freon 11)	5.01		ug/m ³	0.496	0.882	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 17:00	AS
108-05-4	Vinyl acetate	ND		ug/m ³	0.311	0.882	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 17:00	AS
593-60-2	Vinyl bromide	ND		ug/m ³	0.386	0.882	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 17:00	AS
75-01-4	Vinyl Chloride	ND		ug/m ³	0.0564	0.882	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/08/2020 09:00	02/09/2020 17:00	AS



Sample Information

Client Sample ID: Outdoor

York Sample ID: 20B0137-10

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20B0137

130 Midland Avenue, Port Chester, New York

Outdoor Ambient Air

February 4, 2020 12:00 am

02/05/2020

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	0.554	0.807	EPA TO-15 Certifications:	02/09/2020 09:00	02/09/2020 22:55	AS
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	0.440	0.807	EPA TO-15 Certifications:	02/09/2020 09:00	02/09/2020 22:55	AS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	0.554	0.807	EPA TO-15 Certifications:	02/09/2020 09:00	02/09/2020 22:55	AS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.680		ug/m ³	0.618	0.807	EPA TO-15 Certifications:	02/09/2020 09:00	02/09/2020 22:55	AS
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	0.440	0.807	EPA TO-15 Certifications:	02/09/2020 09:00	02/09/2020 22:55	AS
75-34-3	1,1-Dichloroethane	ND		ug/m ³	0.327	0.807	EPA TO-15 Certifications:	02/09/2020 09:00	02/09/2020 22:55	AS
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.0800	0.807	EPA TO-15 Certifications:	02/09/2020 09:00	02/09/2020 22:55	AS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	0.599	0.807	EPA TO-15 Certifications:	02/09/2020 09:00	02/09/2020 22:55	AS
95-63-6	1,2,4-Trimethylbenzene	1.79		ug/m ³	0.397	0.807	EPA TO-15 Certifications:	02/09/2020 09:00	02/09/2020 22:55	AS
106-93-4	1,2-Dibromoethane	ND		ug/m ³	0.620	0.807	EPA TO-15 Certifications:	02/09/2020 09:00	02/09/2020 22:55	AS
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	0.485	0.807	EPA TO-15 Certifications:	02/09/2020 09:00	02/09/2020 22:55	AS
107-06-2	1,2-Dichloroethane	ND		ug/m ³	0.327	0.807	EPA TO-15 Certifications:	02/09/2020 09:00	02/09/2020 22:55	AS
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.373	0.807	EPA TO-15 Certifications:	02/09/2020 09:00	02/09/2020 22:55	AS
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	0.564	0.807	EPA TO-15 Certifications:	02/09/2020 09:00	02/09/2020 22:55	AS
108-67-8	1,3,5-Trimethylbenzene	0.674		ug/m ³	0.397	0.807	EPA TO-15 Certifications:	02/09/2020 09:00	02/09/2020 22:55	AS
106-99-0	1,3-Butadiene	ND		ug/m ³	0.536	0.807	EPA TO-15 Certifications:	02/09/2020 09:00	02/09/2020 22:55	AS
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	0.485	0.807	EPA TO-15 Certifications:	02/09/2020 09:00	02/09/2020 22:55	AS
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	0.373	0.807	EPA TO-15 Certifications:	02/09/2020 09:00	02/09/2020 22:55	AS
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	0.485	0.807	EPA TO-15 Certifications:	02/09/2020 09:00	02/09/2020 22:55	AS
123-91-1	1,4-Dioxane	ND		ug/m ³	0.582	0.807	EPA TO-15 Certifications:	02/09/2020 09:00	02/09/2020 22:55	AS
78-93-3	2-Butanone	1.14		ug/m ³	0.238	0.807	EPA TO-15 Certifications:	02/09/2020 09:00	02/09/2020 22:55	AS
591-78-6	* 2-Hexanone	ND		ug/m ³	0.661	0.807	EPA TO-15 Certifications:	02/09/2020 09:00	02/09/2020 22:55	AS
107-05-1	3-Chloropropene	ND		ug/m ³	1.26	0.807	EPA TO-15 Certifications:	02/09/2020 09:00	02/09/2020 22:55	AS



Sample Information

Client Sample ID: Outdoor

York Sample ID: 20B0137-10

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

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20B0137

130 Midland Avenue, Port Chester, New York

Outdoor Ambient Air

February 4, 2020 12:00 am

02/05/2020

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
108-10-1	4-Methyl-2-pentanone	0.430		ug/m ³	0.331	0.807	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/09/2020 09:00	02/09/2020 22:55	AS
67-64-1	Acetone	10.2		ug/m ³	0.383	0.807	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/09/2020 09:00	02/09/2020 22:55	AS
107-13-1	Acrylonitrile	ND		ug/m ³	0.175	0.807	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/09/2020 09:00	02/09/2020 22:55	AS
71-43-2	Benzene	1.16		ug/m ³	0.258	0.807	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/09/2020 09:00	02/09/2020 22:55	AS
100-44-7	Benzyl chloride	ND		ug/m ³	0.418	0.807	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/09/2020 09:00	02/09/2020 22:55	AS
75-27-4	Bromodichloromethane	ND		ug/m ³	0.541	0.807	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/09/2020 09:00	02/09/2020 22:55	AS
75-25-2	Bromoform	ND		ug/m ³	0.834	0.807	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/09/2020 09:00	02/09/2020 22:55	AS
74-83-9	Bromomethane	ND		ug/m ³	0.313	0.807	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/09/2020 09:00	02/09/2020 22:55	AS
75-15-0	Carbon disulfide	ND		ug/m ³	0.251	0.807	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/09/2020 09:00	02/09/2020 22:55	AS
56-23-5	Carbon tetrachloride	0.558		ug/m ³	0.127	0.807	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/09/2020 09:00	02/09/2020 22:55	AS
108-90-7	Chlorobenzene	ND		ug/m ³	0.372	0.807	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/09/2020 09:00	02/09/2020 22:55	AS
75-00-3	Chloroethane	ND		ug/m ³	0.213	0.807	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/09/2020 09:00	02/09/2020 22:55	AS
67-66-3	Chloroform	ND		ug/m ³	0.394	0.807	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/09/2020 09:00	02/09/2020 22:55	AS
74-87-3	Chloromethane	1.18		ug/m ³	0.167	0.807	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/09/2020 09:00	02/09/2020 22:55	AS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	0.0800	0.807	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/09/2020 09:00	02/09/2020 22:55	AS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.366	0.807	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/09/2020 09:00	02/09/2020 22:55	AS
110-82-7	Cyclohexane	0.306		ug/m ³	0.278	0.807	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/09/2020 09:00	02/09/2020 22:55	AS
124-48-1	Dibromochloromethane	ND		ug/m ³	0.687	0.807	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/09/2020 09:00	02/09/2020 22:55	AS
75-71-8	Dichlorodifluoromethane	1.72		ug/m ³	0.399	0.807	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/09/2020 09:00	02/09/2020 22:55	AS
141-78-6	* Ethyl acetate	0.756		ug/m ³	0.582	0.807	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/09/2020 09:00	02/09/2020 22:55	AS
100-41-4	Ethyl Benzene	0.841		ug/m ³	0.350	0.807	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/09/2020 09:00	02/09/2020 22:55	AS
87-68-3	Hexachlorobutadiene	ND		ug/m ³	0.861	0.807	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/09/2020 09:00	02/09/2020 22:55	AS
67-63-0	Isopropanol	4.84		ug/m ³	0.397	0.807	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/09/2020 09:00	02/09/2020 22:55	AS



Sample Information

Client Sample ID: Outdoor

York Sample ID: 20B0137-10

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20B0137

130 Midland Avenue, Port Chester, New York

Outdoor Ambient Air

February 4, 2020 12:00 am

02/05/2020

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
80-62-6	Methyl Methacrylate	11.0		ug/m ³	0.330	0.807	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/09/2020 09:00	02/09/2020 22:55	AS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	0.291	0.807	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/09/2020 09:00	02/09/2020 22:55	AS
75-09-2	Methylene chloride	0.897		ug/m ³	0.561	0.807	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/09/2020 09:00	02/09/2020 22:55	AS
142-82-5	n-Heptane	0.430		ug/m ³	0.331	0.807	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/09/2020 09:00	02/09/2020 22:55	AS
110-54-3	n-Hexane	0.996		ug/m ³	0.284	0.807	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/09/2020 09:00	02/09/2020 22:55	AS
95-47-6	o-Xylene	1.02		ug/m ³	0.350	0.807	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/09/2020 09:00	02/09/2020 22:55	AS
179601-23-1	p- & m- Xylenes	2.84		ug/m ³	0.701	0.807	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/09/2020 09:00	02/09/2020 22:55	AS
622-96-8	* p-Ethyltoluene	1.98		ug/m ³	0.397	0.807	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/09/2020 09:00	02/09/2020 22:55	AS
115-07-1	* Propylene	ND		ug/m ³	0.139	0.807	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/09/2020 09:00	02/09/2020 22:55	AS
100-42-5	Styrene	0.584		ug/m ³	0.344	0.807	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/09/2020 09:00	02/09/2020 22:55	AS
127-18-4	Tetrachloroethylene	1.20		ug/m ³	0.547	0.807	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/09/2020 09:00	02/09/2020 22:55	AS
109-99-9	* Tetrahydrofuran	ND		ug/m ³	0.476	0.807	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/09/2020 09:00	02/09/2020 22:55	AS
108-88-3	Toluene	4.08		ug/m ³	0.304	0.807	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/09/2020 09:00	02/09/2020 22:55	AS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	0.320	0.807	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/09/2020 09:00	02/09/2020 22:55	AS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.366	0.807	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/09/2020 09:00	02/09/2020 22:55	AS
79-01-6	Trichloroethylene	0.173		ug/m ³	0.108	0.807	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/09/2020 09:00	02/09/2020 22:55	AS
75-69-4	Trichlorofluoromethane (Freon 11)	1.50		ug/m ³	0.453	0.807	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/09/2020 09:00	02/09/2020 22:55	AS
108-05-4	Vinyl acetate	ND		ug/m ³	0.284	0.807	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/09/2020 09:00	02/09/2020 22:55	AS
593-60-2	Vinyl bromide	ND		ug/m ³	0.353	0.807	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/09/2020 09:00	02/09/2020 22:55	AS
75-01-4	Vinyl Chloride	ND		ug/m ³	0.0516	0.807	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/09/2020 09:00	02/09/2020 22:55	AS



Analytical Batch Summary

Batch ID: BB00360

Preparation Method: EPA TO15 PREP

Prepared By: AS

YORK Sample ID	Client Sample ID	Preparation Date
20B0137-01	VP-1	02/08/20
20B0137-01RE1	VP-1	02/08/20
20B0137-02	VP-2	02/08/20
20B0137-02RE1	VP-2	02/08/20
20B0137-03	VP-3	02/08/20
20B0137-04	VP-4	02/08/20
20B0137-05	VP-5	02/08/20
20B0137-06	VP-6	02/08/20
20B0137-07	VP-7	02/08/20
20B0137-09	Indoor	02/08/20
BB00360-BLK1	Blank	02/08/20
BB00360-BS1	LCS	02/08/20
BB00360-DUP1	Duplicate	02/08/20

Batch ID: BB00395

Preparation Method: EPA TO15 PREP

Prepared By: AS

YORK Sample ID	Client Sample ID	Preparation Date
20B0137-10	Outdoor	02/09/20
BB00395-BLK1	Blank	02/09/20
BB00395-BS1	LCS	02/09/20



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 BB00360 - EPA TO15 PREP

Blank (BB00360-BLK1)

Prepared & Analyzed: 02/08/2020

1,1,1,2-Tetrachloroethane	ND	0.687	ug/m ³
1,1,1-Trichloroethane	ND	0.546	"
1,1,2,2-Tetrachloroethane	ND	0.687	"
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.766	"
1,1,2-Trichloroethane	ND	0.546	"
1,1-Dichloroethane	ND	0.405	"
1,1-Dichloroethylene	ND	0.0991	"
1,2,4-Trichlorobenzene	ND	0.742	"
1,2,4-Trimethylbenzene	ND	0.492	"
1,2-Dibromoethane	ND	0.768	"
1,2-Dichlorobenzene	ND	0.601	"
1,2-Dichloroethane	ND	0.405	"
1,2-Dichloropropane	ND	0.462	"
1,2-Dichlorotetrafluoroethane	ND	0.699	"
1,3,5-Trimethylbenzene	ND	0.492	"
1,3-Butadiene	ND	0.664	"
1,3-Dichlorobenzene	ND	0.601	"
1,3-Dichloropropane	ND	0.462	"
1,4-Dichlorobenzene	ND	0.601	"
1,4-Dioxane	ND	0.721	"
2-Butanone	ND	0.295	"
2-Hexanone	ND	0.819	"
3-Chloropropene	ND	1.57	"
4-Methyl-2-pentanone	ND	0.410	"
Acetone	ND	0.475	"
Acrylonitrile	ND	0.217	"
Benzene	ND	0.319	"
Benzyl chloride	ND	0.518	"
Bromodichloromethane	ND	0.670	"
Bromoform	ND	1.03	"
Bromomethane	ND	0.388	"
Carbon disulfide	ND	0.311	"
Carbon tetrachloride	ND	0.157	"
Chlorobenzene	ND	0.460	"
Chloroethane	ND	0.264	"
Chloroform	ND	0.488	"
Chloromethane	ND	0.207	"
cis-1,2-Dichloroethylene	ND	0.0991	"
cis-1,3-Dichloropropylene	ND	0.454	"
Cyclohexane	ND	0.344	"
Dibromochloromethane	ND	0.852	"
Dichlorodifluoromethane	ND	0.495	"
Ethyl acetate	ND	0.721	"
Ethyl Benzene	ND	0.434	"
Hexachlorobutadiene	ND	1.07	"
Isopropanol	ND	0.492	"
Methyl Methacrylate	ND	0.409	"
Methyl tert-butyl ether (MTBE)	ND	0.361	"
Methylene chloride	ND	0.695	"



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 BB00360 - EPA TO15 PREP

Blank (BB00360-BLK1)

Prepared & Analyzed: 02/08/2020

n-Heptane	ND	0.410	ug/m ³								
n-Hexane	ND	0.352	"								
o-Xylene	ND	0.434	"								
p- & m- Xylenes	ND	0.868	"								
p-Ethyltoluene	ND	0.492	"								
Propylene	ND	0.172	"								
Styrene	ND	0.426	"								
Tetrachloroethylene	ND	0.678	"								
Tetrahydrofuran	ND	0.590	"								
Toluene	ND	0.377	"								
trans-1,2-Dichloroethylene	ND	0.396	"								
trans-1,3-Dichloropropylene	ND	0.454	"								
Trichloroethylene	ND	0.134	"								
Trichlorofluoromethane (Freon 11)	ND	0.562	"								
Vinyl acetate	ND	0.352	"								
Vinyl bromide	ND	0.437	"								
Vinyl Chloride	ND	0.0639	"								

Surrogate: SURR: p-Bromofluorobenzene	9.41		ppbv	10.0		94.1	72-118				

LCS (BB00360-BS1)

Prepared & Analyzed: 02/08/2020

1,1,1,2-Tetrachloroethane	9.72		ppbv	10.0		97.2	70-130				
1,1,1-Trichloroethane	10.3		"	10.0		103	70-130				
1,1,2,2-Tetrachloroethane	9.53		"	10.0		95.3	70-130				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.0		"	10.0		110	70-130				
1,1,2-Trichloroethane	9.72		"	10.0		97.2	70-130				
1,1-Dichloroethane	9.80		"	10.0		98.0	70-130				
1,1-Dichloroethylene	10.3		"	10.0		103	70-130				
1,2,4-Trichlorobenzene	10.0		"	10.0		100	70-130				
1,2,4-Trimethylbenzene	10.1		"	10.0		101	70-130				
1,2-Dibromoethane	9.90		"	10.0		99.0	70-130				
1,2-Dichlorobenzene	10.8		"	10.0		108	70-130				
1,2-Dichloroethane	9.89		"	10.0		98.9	70-130				
1,2-Dichloropropane	9.02		"	10.0		90.2	70-130				
1,2-Dichlorotetrafluoroethane	10.3		"	10.0		103	70-130				
1,3,5-Trimethylbenzene	10.4		"	10.0		104	70-130				
1,3-Butadiene	10.3		"	10.0		103	70-130				
1,3-Dichlorobenzene	11.0		"	10.0		110	70-130				
1,3-Dichloropropane	9.33		"	10.0		93.3	70-130				
1,4-Dichlorobenzene	11.1		"	10.0		111	70-130				
1,4-Dioxane	8.93		"	10.0		89.3	70-130				
2-Butanone	9.11		"	10.0		91.1	70-130				
2-Hexanone	8.94		"	10.0		89.4	70-130				
3-Chloropropene	9.59		"	10.0		95.9	70-130				
4-Methyl-2-pentanone	9.02		"	10.0		90.2	70-130				
Acetone	10.3		"	10.0		103	70-130				
Acrylonitrile	9.48		"	10.0		94.8	70-130				
Benzene	9.72		"	10.0		97.2	70-130				
Benzyl chloride	12.2		"	10.0		122	70-130				
Bromodichloromethane	9.68		"	10.0		96.8	70-130				
Bromoform	10.5		"	10.0		105	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 BB00360 - EPA TO15 PREP

LCS (BB00360-BS1)

Prepared & Analyzed: 02/08/2020

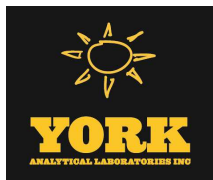
Bromomethane	10.0		ppbv	10.0		100	70-130				
Carbon disulfide	10.5		"	10.0		105	70-130				
Carbon tetrachloride	10.3		"	10.0		103	70-130				
Chlorobenzene	9.50		"	10.0		95.0	70-130				
Chloroethane	10.0		"	10.0		100	70-130				
Chloroform	10.1		"	10.0		101	70-130				
Chloromethane	9.18		"	10.0		91.8	70-130				
cis-1,2-Dichloroethylene	9.31		"	10.0		93.1	70-130				
cis-1,3-Dichloropropylene	9.72		"	10.0		97.2	70-130				
Cyclohexane	9.56		"	10.0		95.6	70-130				
Dibromochloromethane	10.2		"	10.0		102	70-130				
Dichlorodifluoromethane	9.94		"	10.0		99.4	70-130				
Ethyl acetate	10.2		"	10.0		102	70-130				
Ethyl Benzene	9.17		"	10.0		91.7	70-130				
Hexachlorobutadiene	10.8		"	10.0		108	70-130				
Isopropanol	10.9		"	10.0		109	70-130				
Methyl Methacrylate	9.11		"	10.0		91.1	70-130				
Methyl tert-butyl ether (MTBE)	9.84		"	10.0		98.4	70-130				
Methylene chloride	10.3		"	10.0		103	70-130				
n-Heptane	9.48		"	10.0		94.8	70-130				
n-Hexane	9.52		"	10.0		95.2	70-130				
o-Xylene	9.39		"	10.0		93.9	70-130				
p- & m- Xylenes	19.0		"	20.0		95.2	70-130				
p-Ethyltoluene	9.66		"	10.0		96.6	70-130				
Propylene	9.28		"	10.0		92.8	70-130				
Styrene	10.1		"	10.0		101	70-130				
Tetrachloroethylene	9.31		"	10.0		93.1	70-130				
Tetrahydrofuran	9.23		"	10.0		92.3	70-130				
Toluene	9.46		"	10.0		94.6	70-130				
trans-1,2-Dichloroethylene	10.0		"	10.0		100	70-130				
trans-1,3-Dichloropropylene	9.53		"	10.0		95.3	70-130				
Trichloroethylene	8.93		"	10.0		89.3	70-130				
Trichlorofluoromethane (Freon 11)	10.2		"	10.0		102	70-130				
Vinyl acetate	9.13		"	10.0		91.3	70-130				
Vinyl bromide	11.3		"	10.0		113	70-130				
Vinyl Chloride	8.52		"	10.0		85.2	70-130				
Surrogate: SURR: p-Bromofluorobenzene	9.94		"	10.0		99.4	72-118				



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 BB00360 - EPA TO15 PREP											
Duplicate (BB00360-DUP1)	*Source sample: 20B0137-06 (VP-6)						Prepared: 02/08/2020 Analyzed: 02/09/2020				
1,1,1,2-Tetrachloroethane	ND	1.19	ug/m ³		ND					25	
1,1,1-Trichloroethane	ND	0.944	"		ND					25	
1,1,2,2-Tetrachloroethane	ND	1.19	"		ND					25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.33	"		ND					25	
1,1,2-Trichloroethane	ND	0.944	"		ND					25	
1,1-Dichloroethane	ND	0.700	"		ND					25	
1,1-Dichloroethylene	ND	0.171	"		ND					25	
1,2,4-Trichlorobenzene	ND	1.28	"		ND					25	
1,2,4-Trimethylbenzene	1.53	0.850	"		1.53				0.00	25	
1,2-Dibromoethane	ND	1.33	"		ND					25	
1,2-Dichlorobenzene	ND	1.04	"		ND					25	
1,2-Dichloroethane	ND	0.700	"		ND					25	
1,2-Dichloropropane	ND	0.799	"		ND					25	
1,2-Dichlorotetrafluoroethane	ND	1.21	"		ND					25	
1,3,5-Trimethylbenzene	ND	0.850	"		ND					25	
1,3-Butadiene	ND	1.15	"		ND					25	
1,3-Dichlorobenzene	ND	1.04	"		ND					25	
1,3-Dichloropropane	ND	0.799	"		ND					25	
1,4-Dichlorobenzene	ND	1.04	"		ND					25	
1,4-Dioxane	ND	1.25	"		ND					25	
2-Butanone	4.64	0.510	"		4.64				0.00	25	
2-Hexanone	ND	1.42	"		ND					25	
3-Chloropropene	ND	2.71	"		ND					25	
4-Methyl-2-pentanone	3.40	0.709	"		3.47				2.06	25	
Acetone	160	0.822	"		160				0.205	25	
Acrylonitrile	ND	0.375	"		ND					25	
Benzene	1.22	0.553	"		1.27				4.44	25	
Benzyl chloride	ND	0.896	"		ND					25	
Bromodichloromethane	ND	1.16	"		ND					25	
Bromoform	ND	1.79	"		ND					25	
Bromomethane	ND	0.672	"		ND					25	
Carbon disulfide	ND	0.539	"		ND					25	
Carbon tetrachloride	0.435	0.272	"		0.435				0.00	25	
Chlorobenzene	ND	0.796	"		ND					25	
Chloroethane	ND	0.456	"		ND					25	
Chloroform	ND	0.845	"		ND					25	
Chloromethane	1.25	0.357	"		1.18				5.88	25	
cis-1,2-Dichloroethylene	ND	0.171	"		ND					25	
cis-1,3-Dichloropropylene	ND	0.785	"		ND					25	
Cyclohexane	ND	0.595	"		ND					25	
Dibromochloromethane	ND	1.47	"		ND					25	
Dichlorodifluoromethane	1.80	0.856	"		1.80				0.00	25	
Ethyl acetate	1.50	1.25	"		1.50				0.00	25	
Ethyl Benzene	0.826	0.751	"		0.826				0.00	25	
Hexachlorobutadiene	ND	1.85	"		ND					25	
Isopropanol	16.8	0.850	"		16.8				0.253	25	
Methyl Methacrylate	14.6	0.708	"		14.4				0.976	25	
Methyl tert-butyl ether (MTBE)	ND	0.624	"		ND					25	
Methylene chloride	1.50	1.20	"		1.56				3.92	25	
n-Heptane	5.89	0.709	"		5.96				1.20	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 BB00360 - EPA TO15 PREP

Duplicate (BB00360-DUP1)		*Source sample: 20B0137-06 (VP-6)				Prepared: 02/08/2020 Analyzed: 02/09/2020					
n-Hexane	1.22	0.610	ug/m ³		1.22				0.00	25	
o-Xylene	0.976	0.751	"		0.976				0.00	25	
p- & m- Xylenes	2.70	1.50	"		2.70				0.00	25	
p-Ethyltoluene	1.53	0.850	"		1.62				5.41	25	
Propylene	ND	0.298	"		ND					25	
Styrene	ND	0.737	"		ND					25	
Tetrachloroethylene	1.53	1.17	"		1.41				8.00	25	
Tetrahydrofuran	1.17	1.02	"		1.12				4.44	25	
Toluene	4.24	0.652	"		4.24				0.00	25	
trans-1,2-Dichloroethylene	ND	0.686	"		ND					25	
trans-1,3-Dichloropropylene	ND	0.785	"		ND					25	
Trichloroethylene	ND	0.232	"		ND					25	
Trichlorofluoromethane (Freon 11)	1.36	0.972	"		1.36				0.00	25	
Vinyl acetate	ND	0.609	"		ND					25	
Vinyl bromide	ND	0.757	"		ND					25	
Vinyl Chloride	ND	0.111	"		ND					25	
Surrogate: <i>SURR: p-Bromofluorobenzene</i>	9.92		ppbv	10.0		99.2	72-118				

Batch BB00395 - EPA TO15 PREP

Blank (BB00395-BLK1)		Prepared & Analyzed: 02/09/2020									
1,1,1,2-Tetrachloroethane	ND	0.687	ug/m ³								
1,1,1-Trichloroethane	ND	0.546	"								
1,1,2,2-Tetrachloroethane	ND	0.687	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.766	"								
1,1,2-Trichloroethane	ND	0.546	"								
1,1-Dichloroethane	ND	0.405	"								
1,1-Dichloroethylene	ND	0.0991	"								
1,2,4-Trichlorobenzene	ND	0.742	"								
1,2,4-Trimethylbenzene	ND	0.492	"								
1,2-Dibromoethane	ND	0.768	"								
1,2-Dichlorobenzene	ND	0.601	"								
1,2-Dichloroethane	ND	0.405	"								
1,2-Dichloropropane	ND	0.462	"								
1,2-Dichlorotetrafluoroethane	ND	0.699	"								
1,3,5-Trimethylbenzene	ND	0.492	"								
1,3-Butadiene	ND	0.664	"								
1,3-Dichlorobenzene	ND	0.601	"								
1,3-Dichloropropane	ND	0.462	"								
1,4-Dichlorobenzene	ND	0.601	"								
1,4-Dioxane	ND	0.721	"								
2-Butanone	ND	0.295	"								
2-Hexanone	ND	0.819	"								
3-Chloropropene	ND	1.57	"								
4-Methyl-2-pentanone	ND	0.410	"								
Acetone	ND	0.475	"								
Acrylonitrile	ND	0.217	"								
Benzene	ND	0.319	"								
Benzyl chloride	ND	0.518	"								
Bromodichloromethane	ND	0.670	"								
Bromoform	ND	1.03	"								



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 BB00395 - EPA TO15 PREP											
Blank (BB00395-BLK1)										Prepared & Analyzed: 02/09/2020	
Bromomethane	ND	0.388	ug/m ³								
Carbon disulfide	ND	0.311	"								
Carbon tetrachloride	ND	0.157	"								
Chlorobenzene	ND	0.460	"								
Chloroethane	ND	0.264	"								
Chloroform	ND	0.488	"								
Chloromethane	ND	0.207	"								
cis-1,2-Dichloroethylene	ND	0.0991	"								
cis-1,3-Dichloropropylene	ND	0.454	"								
Cyclohexane	ND	0.344	"								
Dibromochloromethane	ND	0.852	"								
Dichlorodifluoromethane	ND	0.495	"								
Ethyl acetate	ND	0.721	"								
Ethyl Benzene	ND	0.434	"								
Hexachlorobutadiene	ND	1.07	"								
Isopropanol	ND	0.492	"								
Methyl Methacrylate	ND	0.409	"								
Methyl tert-butyl ether (MTBE)	ND	0.361	"								
Methylene chloride	ND	0.695	"								
n-Heptane	ND	0.410	"								
n-Hexane	ND	0.352	"								
o-Xylene	ND	0.434	"								
p- & m- Xylenes	ND	0.868	"								
p-Ethyltoluene	ND	0.492	"								
Propylene	ND	0.172	"								
Styrene	ND	0.426	"								
Tetrachloroethylene	ND	0.678	"								
Tetrahydrofuran	ND	0.590	"								
Toluene	ND	0.377	"								
trans-1,2-Dichloroethylene	ND	0.396	"								
trans-1,3-Dichloropropylene	ND	0.454	"								
Trichloroethylene	ND	0.134	"								
Trichlorofluoromethane (Freon 11)	ND	0.562	"								
Vinyl acetate	ND	0.352	"								
Vinyl bromide	ND	0.437	"								
Vinyl Chloride	ND	0.0639	"								
Surrogate: SURR: p-Bromofluorobenzene	9.55		ppbv	10.0		95.5	72-118				



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 BB00395 - EPA TO15 PREP											
LCS (BB00395-BS1)						Prepared & Analyzed: 02/09/2020					
1,1,1,2-Tetrachloroethane	9.65		ppbv	10.0		96.5	70-130				
1,1,1-Trichloroethane	10.2		"	10.0		102	70-130				
1,1,2,2-Tetrachloroethane	9.62		"	10.0		96.2	70-130				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.8		"	10.0		108	70-130				
1,1,2-Trichloroethane	9.73		"	10.0		97.3	70-130				
1,1-Dichloroethane	9.66		"	10.0		96.6	70-130				
1,1-Dichloroethylene	10.2		"	10.0		102	70-130				
1,2,4-Trichlorobenzene	9.78		"	10.0		97.8	70-130				
1,2,4-Trimethylbenzene	10.1		"	10.0		101	70-130				
1,2-Dibromoethane	9.84		"	10.0		98.4	70-130				
1,2-Dichlorobenzene	10.8		"	10.0		108	70-130				
1,2-Dichloroethane	9.78		"	10.0		97.8	70-130				
1,2-Dichloropropane	9.16		"	10.0		91.6	70-130				
1,2-Dichlorotetrafluoroethane	10.0		"	10.0		100	70-130				
1,3,5-Trimethylbenzene	9.61		"	10.0		96.1	70-130				
1,3-Butadiene	10.1		"	10.0		101	70-130				
1,3-Dichlorobenzene	11.0		"	10.0		110	70-130				
1,3-Dichloropropane	9.32		"	10.0		93.2	70-130				
1,4-Dichlorobenzene	11.1		"	10.0		111	70-130				
1,4-Dioxane	8.95		"	10.0		89.5	70-130				
2-Butanone	9.05		"	10.0		90.5	70-130				
2-Hexanone	8.95		"	10.0		89.5	70-130				
3-Chloropropene	9.45		"	10.0		94.5	70-130				
4-Methyl-2-pentanone	9.17		"	10.0		91.7	70-130				
Acetone	10.1		"	10.0		101	70-130				
Acrylonitrile	9.42		"	10.0		94.2	70-130				
Benzene	9.67		"	10.0		96.7	70-130				
Benzyl chloride	12.0		"	10.0		120	70-130				
Bromodichloromethane	9.65		"	10.0		96.5	70-130				
Bromoform	10.5		"	10.0		105	70-130				
Bromomethane	10.5		"	10.0		105	70-130				
Carbon disulfide	10.3		"	10.0		103	70-130				
Carbon tetrachloride	10.2		"	10.0		102	70-130				
Chlorobenzene	9.54		"	10.0		95.4	70-130				
Chloroethane	11.2		"	10.0		112	70-130				
Chloroform	9.99		"	10.0		99.9	70-130				
Chloromethane	9.03		"	10.0		90.3	70-130				
cis-1,2-Dichloroethylene	9.14		"	10.0		91.4	70-130				
cis-1,3-Dichloropropylene	9.77		"	10.0		97.7	70-130				
Cyclohexane	9.48		"	10.0		94.8	70-130				
Dibromochloromethane	10.1		"	10.0		101	70-130				
Dichlorodifluoromethane	9.60		"	10.0		96.0	70-130				
Ethyl acetate	10.2		"	10.0		102	70-130				
Ethyl Benzene	9.21		"	10.0		92.1	70-130				
Hexachlorobutadiene	10.6		"	10.0		106	70-130				
Isopropanol	10.8		"	10.0		108	70-130				
Methyl Methacrylate	9.12		"	10.0		91.2	70-130				
Methyl tert-butyl ether (MTBE)	9.78		"	10.0		97.8	70-130				
Methylene chloride	10.1		"	10.0		101	70-130				
n-Heptane	9.49		"	10.0		94.9	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 BB00395 - EPA TO15 PREP

LCS (BB00395-BS1)

Prepared & Analyzed: 02/09/2020

n-Hexane	9.56		ppbv	10.0		95.6	70-130				
o-Xylene	9.41		"	10.0		94.1	70-130				
p- & m- Xylenes	19.2		"	20.0		96.0	70-130				
p-Ethyltoluene	10.3		"	10.0		103	70-130				
Propylene	9.14		"	10.0		91.4	70-130				
Styrene	10.2		"	10.0		102	70-130				
Tetrachloroethylene	9.29		"	10.0		92.9	70-130				
Tetrahydrofuran	9.11		"	10.0		91.1	70-130				
Toluene	9.41		"	10.0		94.1	70-130				
trans-1,2-Dichloroethylene	9.88		"	10.0		98.8	70-130				
trans-1,3-Dichloropropylene	9.48		"	10.0		94.8	70-130				
Trichloroethylene	8.87		"	10.0		88.7	70-130				
Trichlorofluoromethane (Freon 11)	10.1		"	10.0		101	70-130				
Vinyl acetate	9.02		"	10.0		90.2	70-130				
Vinyl bromide	11.2		"	10.0		112	70-130				
Vinyl Chloride	8.43		"	10.0		84.3	70-130				
Surrogate: SURR: p-Bromofluorobenzene	10.0		"	10.0		100	72-118				



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.

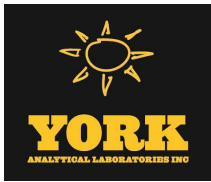
If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

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.

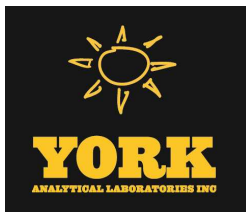
Certification for pH is no longer offered by NYDOH ELAP.

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.



Corrective Action: TO15 analysis for VP-8 was cancelled due to lack of sample collection (failure to collect attributed to a clogged flow controller).



Technical Report

prepared for:

Hydro Environmental Solutions

One Deans Bridge Road

Somers NY, 10589

Attention: Bill Canavan

Report Date: 02/24/2020

Client Project ID: 130 Midland Avenue, Port Chester, New York

York Project (SDG) No.: 20B0692

CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037



New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

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FAX (203) 357-0166

RICHMOND HILL, NY 11418
ClientServices@yorklab.com

Hydro Environmental Solutions

One Deans Bridge Road
Somers NY, 10589
Attention: Bill Canavan

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 February 21, 2020 and listed below. The project was identified as your project: **130 Midland Avenue, Port Chester, New York.**

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>
20B0692-01	VP-8	Soil Vapor	02/19/2020	02/21/2020

General Notes for York Project (SDG) No.: 20B0692

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:



Benjamin Gulizia
Laboratory Director

Date: 02/24/2020





Sample Information

Client Sample ID: VP-8

York Sample ID: 20B0692-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20B0692

130 Midland Avenue, Port Chester, New York

Soil Vapor

February 19, 2020 12:00 am

02/21/2020

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/m³	1.13	1.646	EPA TO-15 Certifications:	02/21/2020 16:43	02/22/2020 09:31	LLJ
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	0.898	1.646	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/21/2020 16:43	02/22/2020 09:31	LLJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	1.13	1.646	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/21/2020 16:43	02/22/2020 09:31	LLJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	1.26	1.646	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/21/2020 16:43	02/22/2020 09:31	LLJ
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	0.898	1.646	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/21/2020 16:43	02/22/2020 09:31	LLJ
75-34-3	1,1-Dichloroethane	ND		ug/m³	0.666	1.646	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/21/2020 16:43	02/22/2020 09:31	LLJ
75-35-4	1,1-Dichloroethylene	ND		ug/m³	0.163	1.646	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/21/2020 16:43	02/22/2020 09:31	LLJ
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	1.22	1.646	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/21/2020 16:43	02/22/2020 09:31	LLJ
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m³	0.809	1.646	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/21/2020 16:43	02/22/2020 09:31	LLJ
106-93-4	1,2-Dibromoethane	ND		ug/m³	1.26	1.646	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/21/2020 16:43	02/22/2020 09:31	LLJ
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	0.990	1.646	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/21/2020 16:43	02/22/2020 09:31	LLJ
107-06-2	1,2-Dichloroethane	ND		ug/m³	0.666	1.646	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/21/2020 16:43	02/22/2020 09:31	LLJ
78-87-5	1,2-Dichloropropane	ND		ug/m³	0.761	1.646	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/21/2020 16:43	02/22/2020 09:31	LLJ
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	1.15	1.646	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/21/2020 16:43	02/22/2020 09:31	LLJ
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	0.809	1.646	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/21/2020 16:43	02/22/2020 09:31	LLJ
106-99-0	1,3-Butadiene	ND		ug/m³	1.09	1.646	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/21/2020 16:43	02/22/2020 09:31	LLJ
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	0.990	1.646	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/21/2020 16:43	02/22/2020 09:31	LLJ
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	0.761	1.646	EPA TO-15 Certifications:	02/21/2020 16:43	02/22/2020 09:31	LLJ
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	0.990	1.646	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/21/2020 16:43	02/22/2020 09:31	LLJ
123-91-1	1,4-Dioxane	ND		ug/m³	1.19	1.646	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/21/2020 16:43	02/22/2020 09:31	LLJ
78-93-3	2-Butanone	2.96		ug/m³	0.485	1.646	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/21/2020 16:43	02/22/2020 09:31	LLJ
591-78-6	* 2-Hexanone	ND		ug/m³	1.35	1.646	EPA TO-15 Certifications:	02/21/2020 16:43	02/22/2020 09:31	LLJ



Sample Information

Client Sample ID: VP-8

York Sample ID: 20B0692-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20B0692

130 Midland Avenue, Port Chester, New York

Soil Vapor

February 19, 2020 12:00 am

02/21/2020

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	2.58	1.646	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/21/2020 16:43	02/22/2020 09:31	LLJ
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	0.674	1.646	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/21/2020 16:43	02/22/2020 09:31	LLJ
67-64-1	Acetone	193		ug/m ³	0.782	1.646	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/21/2020 16:43	02/22/2020 09:31	LLJ
107-13-1	Acrylonitrile	ND		ug/m ³	0.357	1.646	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/21/2020 16:43	02/22/2020 09:31	LLJ
71-43-2	Benzene	0.631		ug/m ³	0.526	1.646	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/21/2020 16:43	02/22/2020 09:31	LLJ
100-44-7	Benzyl chloride	ND		ug/m ³	0.852	1.646	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/21/2020 16:43	02/22/2020 09:31	LLJ
75-27-4	Bromodichloromethane	ND		ug/m ³	1.10	1.646	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/21/2020 16:43	02/22/2020 09:31	LLJ
75-25-2	Bromoform	ND		ug/m ³	1.70	1.646	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/21/2020 16:43	02/22/2020 09:31	LLJ
74-83-9	Bromomethane	ND		ug/m ³	0.639	1.646	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/21/2020 16:43	02/22/2020 09:31	LLJ
75-15-0	Carbon disulfide	0.564		ug/m ³	0.513	1.646	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/21/2020 16:43	02/22/2020 09:31	LLJ
56-23-5	Carbon tetrachloride	0.518		ug/m ³	0.259	1.646	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/21/2020 16:43	02/22/2020 09:31	LLJ
108-90-7	Chlorobenzene	ND		ug/m ³	0.758	1.646	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/21/2020 16:43	02/22/2020 09:31	LLJ
75-00-3	Chloroethane	ND		ug/m ³	0.434	1.646	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/21/2020 16:43	02/22/2020 09:31	LLJ
67-66-3	Chloroform	ND		ug/m ³	0.804	1.646	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/21/2020 16:43	02/22/2020 09:31	LLJ
74-87-3	Chloromethane	1.46		ug/m ³	0.340	1.646	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/21/2020 16:43	02/22/2020 09:31	LLJ
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	0.163	1.646	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/21/2020 16:43	02/22/2020 09:31	LLJ
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.747	1.646	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/21/2020 16:43	02/22/2020 09:31	LLJ
110-82-7	Cyclohexane	ND		ug/m ³	0.567	1.646	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/21/2020 16:43	02/22/2020 09:31	LLJ
124-48-1	Dibromochloromethane	ND		ug/m ³	1.40	1.646	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/21/2020 16:43	02/22/2020 09:31	LLJ
75-71-8	Dichlorodifluoromethane	2.28		ug/m ³	0.814	1.646	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/21/2020 16:43	02/22/2020 09:31	LLJ
141-78-6	* Ethyl acetate	ND		ug/m ³	1.19	1.646	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/21/2020 16:43	02/22/2020 09:31	LLJ
100-41-4	Ethyl Benzene	ND		ug/m ³	0.715	1.646	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/21/2020 16:43	02/22/2020 09:31	LLJ
87-68-3	Hexachlorobutadiene	ND		ug/m ³	1.76	1.646	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/21/2020 16:43	02/22/2020 09:31	LLJ



Sample Information

Client Sample ID: VP-8

York Sample ID: 20B0692-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20B0692

130 Midland Avenue, Port Chester, New York

Soil Vapor

February 19, 2020 12:00 am

02/21/2020

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
67-63-0	Isopropanol	2.27		ug/m ³	0.809	1.646	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/21/2020 16:43	02/22/2020 09:31	LLJ
80-62-6	Methyl Methacrylate	2.56		ug/m ³	0.674	1.646	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/21/2020 16:43	02/22/2020 09:31	LLJ
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	0.593	1.646	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/21/2020 16:43	02/22/2020 09:31	LLJ
75-09-2	Methylene chloride	ND		ug/m ³	1.14	1.646	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/21/2020 16:43	02/22/2020 09:31	LLJ
142-82-5	n-Heptane	ND		ug/m ³	0.675	1.646	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/21/2020 16:43	02/22/2020 09:31	LLJ
110-54-3	n-Hexane	0.638		ug/m ³	0.580	1.646	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/21/2020 16:43	02/22/2020 09:31	LLJ
95-47-6	o-Xylene	ND		ug/m ³	0.715	1.646	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/21/2020 16:43	02/22/2020 09:31	LLJ
179601-23-1	p- & m- Xylenes	ND		ug/m ³	1.43	1.646	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/21/2020 16:43	02/22/2020 09:31	LLJ
622-96-8	* p-Ethyltoluene	ND		ug/m ³	0.809	1.646	EPA TO-15 Certifications:	02/21/2020 16:43	02/22/2020 09:31	LLJ
115-07-1	* Propylene	ND		ug/m ³	0.283	1.646	EPA TO-15 Certifications:	02/21/2020 16:43	02/22/2020 09:31	LLJ
100-42-5	Styrene	ND		ug/m ³	0.701	1.646	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/21/2020 16:43	02/22/2020 09:31	LLJ
127-18-4	Tetrachloroethylene	2.23		ug/m ³	1.12	1.646	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/21/2020 16:43	02/22/2020 09:31	LLJ
109-99-9	* Tetrahydrofuran	2.67		ug/m ³	0.971	1.646	EPA TO-15 Certifications:	02/21/2020 16:43	02/22/2020 09:31	LLJ
108-88-3	Toluene	1.98		ug/m ³	0.620	1.646	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/21/2020 16:43	02/22/2020 09:31	LLJ
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	0.653	1.646	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/21/2020 16:43	02/22/2020 09:31	LLJ
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.747	1.646	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/21/2020 16:43	02/22/2020 09:31	LLJ
79-01-6	Trichloroethylene	ND		ug/m ³	0.221	1.646	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/21/2020 16:43	02/22/2020 09:31	LLJ
75-69-4	Trichlorofluoromethane (Freon 11)	1.39		ug/m ³	0.925	1.646	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/21/2020 16:43	02/22/2020 09:31	LLJ
108-05-4	Vinyl acetate	ND		ug/m ³	0.580	1.646	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/21/2020 16:43	02/22/2020 09:31	LLJ
593-60-2	Vinyl bromide	ND		ug/m ³	0.720	1.646	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/21/2020 16:43	02/22/2020 09:31	LLJ
75-01-4	Vinyl Chloride	ND		ug/m ³	0.105	1.646	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/21/2020 16:43	02/22/2020 09:31	LLJ
Surrogate Recoveries		Result	Acceptance Range							
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	95.3 %	72-118							



Analytical Batch Summary

Batch ID: BB01090

Preparation Method: EPA TO15 PREP

Prepared By: LLJ

YORK Sample ID	Client Sample ID	Preparation Date
20B0692-01	VP-8	02/21/20
BB01090-BLK1	Blank	02/21/20
BB01090-BS1	LCS	02/21/20



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 BB01090 - EPA TO15 PREP											
Blank (BB01090-BLK1)										Prepared & Analyzed: 02/21/2020	
1,1,1,2-Tetrachloroethane	ND	0.687	ug/m ³								
1,1,1-Trichloroethane	ND	0.546	"								
1,1,2,2-Tetrachloroethane	ND	0.687	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.766	"								
1,1,2-Trichloroethane	ND	0.546	"								
1,1-Dichloroethane	ND	0.405	"								
1,1-Dichloroethylene	ND	0.0991	"								
1,2,4-Trichlorobenzene	ND	0.742	"								
1,2,4-Trimethylbenzene	ND	0.492	"								
1,2-Dibromoethane	ND	0.768	"								
1,2-Dichlorobenzene	ND	0.601	"								
1,2-Dichloroethane	ND	0.405	"								
1,2-Dichloropropane	ND	0.462	"								
1,2-Dichlorotetrafluoroethane	ND	0.699	"								
1,3,5-Trimethylbenzene	ND	0.492	"								
1,3-Butadiene	ND	0.664	"								
1,3-Dichlorobenzene	ND	0.601	"								
1,3-Dichloropropane	ND	0.462	"								
1,4-Dichlorobenzene	ND	0.601	"								
1,4-Dioxane	ND	0.721	"								
2-Butanone	ND	0.295	"								
2-Hexanone	ND	0.819	"								
3-Chloropropene	ND	1.57	"								
4-Methyl-2-pentanone	ND	0.410	"								
Acetone	ND	0.475	"								
Acrylonitrile	ND	0.217	"								
Benzene	ND	0.319	"								
Benzyl chloride	ND	0.518	"								
Bromodichloromethane	ND	0.670	"								
Bromoform	ND	1.03	"								
Bromomethane	ND	0.388	"								
Carbon disulfide	ND	0.311	"								
Carbon tetrachloride	ND	0.157	"								
Chlorobenzene	ND	0.460	"								
Chloroethane	ND	0.264	"								
Chloroform	ND	0.488	"								
Chloromethane	ND	0.207	"								
cis-1,2-Dichloroethylene	ND	0.0991	"								
cis-1,3-Dichloropropylene	ND	0.454	"								
Cyclohexane	ND	0.344	"								
Dibromochloromethane	ND	0.852	"								
Dichlorodifluoromethane	ND	0.495	"								
Ethyl acetate	ND	0.721	"								
Ethyl Benzene	ND	0.434	"								
Hexachlorobutadiene	ND	1.07	"								
Isopropanol	ND	0.492	"								
Methyl Methacrylate	ND	0.409	"								
Methyl tert-butyl ether (MTBE)	ND	0.361	"								
Methylene chloride	ND	0.695	"								



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 BB01090 - EPA TO15 PREP

Blank (BB01090-BLK1)

Prepared & Analyzed: 02/21/2020

n-Heptane	ND	0.410	ug/m ³								
n-Hexane	ND	0.352	"								
o-Xylene	ND	0.434	"								
p- & m- Xylenes	ND	0.868	"								
p-Ethyltoluene	ND	0.492	"								
Propylene	ND	0.172	"								
Styrene	ND	0.426	"								
Tetrachloroethylene	ND	0.678	"								
Tetrahydrofuran	ND	0.590	"								
Toluene	ND	0.377	"								
trans-1,2-Dichloroethylene	ND	0.396	"								
trans-1,3-Dichloropropylene	ND	0.454	"								
Trichloroethylene	ND	0.134	"								
Trichlorofluoromethane (Freon 11)	ND	0.562	"								
Vinyl acetate	ND	0.352	"								
Vinyl bromide	ND	0.437	"								
Vinyl Chloride	ND	0.0639	"								
Surrogate: SURR: p-Bromofluorobenzene	8.94		ppbv	10.0		89.4	72-118				

LCS (BB01090-BS1)

Prepared & Analyzed: 02/21/2020

1,1,1,2-Tetrachloroethane	9.47		ppbv	10.0		94.7	70-130				
1,1,1-Trichloroethane	10.2		"	10.0		102	70-130				
1,1,2,2-Tetrachloroethane	8.94		"	10.0		89.4	70-130				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.8		"	10.0		108	70-130				
1,1,2-Trichloroethane	9.24		"	10.0		92.4	70-130				
1,1-Dichloroethane	9.44		"	10.0		94.4	70-130				
1,1-Dichloroethylene	9.99		"	10.0		99.9	70-130				
1,2,4-Trichlorobenzene	9.87		"	10.0		98.7	70-130				
1,2,4-Trimethylbenzene	9.40		"	10.0		94.0	70-130				
1,2-Dibromoethane	9.38		"	10.0		93.8	70-130				
1,2-Dichlorobenzene	10.4		"	10.0		104	70-130				
1,2-Dichloroethane	9.66		"	10.0		96.6	70-130				
1,2-Dichloropropane	8.39		"	10.0		83.9	70-130				
1,2-Dichlorotetrafluoroethane	9.73		"	10.0		97.3	70-130				
1,3,5-Trimethylbenzene	9.64		"	10.0		96.4	70-130				
1,3-Butadiene	9.64		"	10.0		96.4	70-130				
1,3-Dichlorobenzene	10.6		"	10.0		106	70-130				
1,3-Dichloropropane	8.70		"	10.0		87.0	70-130				
1,4-Dichlorobenzene	10.7		"	10.0		107	70-130				
1,4-Dioxane	8.37		"	10.0		83.7	70-130				
2-Butanone	8.71		"	10.0		87.1	70-130				
2-Hexanone	8.13		"	10.0		81.3	70-130				
3-Chloropropene	9.17		"	10.0		91.7	70-130				
4-Methyl-2-pentanone	8.34		"	10.0		83.4	70-130				
Acetone	9.89		"	10.0		98.9	70-130				
Acrylonitrile	8.96		"	10.0		89.6	70-130				
Benzene	9.44		"	10.0		94.4	70-130				
Benzyl chloride	11.7		"	10.0		117	70-130				
Bromodichloromethane	9.09		"	10.0		90.9	70-130				
Bromoform	10.5		"	10.0		105	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 BB01090 - EPA TO15 PREP

LCS (BB01090-BS1)

Prepared & Analyzed: 02/21/2020

Bromomethane	10.2		ppbv	10.0		102	70-130				
Carbon disulfide	10.1		"	10.0		101	70-130				
Carbon tetrachloride	10.4		"	10.0		104	70-130				
Chlorobenzene	9.10		"	10.0		91.0	70-130				
Chloroethane	10.7		"	10.0		107	70-130				
Chloroform	9.90		"	10.0		99.0	70-130				
Chloromethane	8.68		"	10.0		86.8	70-130				
cis-1,2-Dichloroethylene	8.96		"	10.0		89.6	70-130				
cis-1,3-Dichloropropylene	9.12		"	10.0		91.2	70-130				
Cyclohexane	9.27		"	10.0		92.7	70-130				
Dibromochloromethane	9.92		"	10.0		99.2	70-130				
Dichlorodifluoromethane	9.88		"	10.0		98.8	70-130				
Ethyl acetate	10.2		"	10.0		102	70-130				
Ethyl Benzene	8.58		"	10.0		85.8	70-130				
Hexachlorobutadiene	10.5		"	10.0		105	70-130				
Isopropanol	10.4		"	10.0		104	70-130				
Methyl Methacrylate	8.32		"	10.0		83.2	70-130				
Methyl tert-butyl ether (MTBE)	9.59		"	10.0		95.9	70-130				
Methylene chloride	9.76		"	10.0		97.6	70-130				
n-Heptane	9.20		"	10.0		92.0	70-130				
n-Hexane	9.23		"	10.0		92.3	70-130				
o-Xylene	8.80		"	10.0		88.0	70-130				
p- & m- Xylenes	17.8		"	20.0		89.0	70-130				
p-Ethyltoluene	9.79		"	10.0		97.9	70-130				
Propylene	8.58		"	10.0		85.8	70-130				
Styrene	9.50		"	10.0		95.0	70-130				
Tetrachloroethylene	9.16		"	10.0		91.6	70-130				
Tetrahydrofuran	8.84		"	10.0		88.4	70-130				
Toluene	8.81		"	10.0		88.1	70-130				
trans-1,2-Dichloroethylene	9.72		"	10.0		97.2	70-130				
trans-1,3-Dichloropropylene	8.95		"	10.0		89.5	70-130				
Trichloroethylene	8.46		"	10.0		84.6	70-130				
Trichlorofluoromethane (Freon 11)	10.0		"	10.0		100	70-130				
Vinyl acetate	8.22		"	10.0		82.2	70-130				
Vinyl bromide	11.0		"	10.0		110	70-130				
Vinyl Chloride	8.09		"	10.0		80.9	70-130				
Surrogate: SURR: p-Bromofluorobenzene	9.80		"	10.0		98.0	72-118				



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.

Field Chain-of-Custody Record - AIR

YORK Project No. 20B06

Authorization for YORK to proceed with the analyses requested below.
Signature binds you to YORK's Standard Terms & Conditions.

Your

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