

AKRF Geophysical Survey, Environmental Quality Data and
Boring Logs

TABLES

Table 1
1678 and 1700 Park Avenue

New York, NY
Remedial Investigation Soil Analytical Results
Volatile Organic Compounds

Client ID	NYSDEC	NYSDEC	SB-1 (1'-2')	SB-1 (8'-9')	SB-2 (1'-2')	SB-2 (8'-9')	SB-3 (2'-3')	SB-3 (9'-10')
Lab Sample ID	Part 375	Part 375	16H0404-01	16H0404-02	16H0404-03	16H0404-04	16H0470-01	16H0470-02
Date Sampled	Unrestricted	Restricted	8/8/2016	8/8/2016	8/8/2016	8/8/2016	8/9/2016	8/9/2016
Dilution	SCO	Residential	1	1	1	1	1	100
mg/kg	mg/kg	mg/kg						
1,1,1,2-Tetrachloroethane	NS	NS	0.002 U	0.0022 U	0.0023 U	0.0023 U	0.0024 U	0.19 U
1,1,1-Trichloroethane	0.68	100	0.002 U	0.0022 U	0.0023 U	0.0023 U	0.0024 U	0.19 U
1,1,2,2-Tetrachloroethane	NS	NS	0.002 U	0.0022 U	0.0023 U	0.0023 U	0.0024 U	0.19 U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	NS	NS	0.002 U	0.0022 U	0.0023 U	0.0023 U	0.0024 U	0.19 U
1,1,2-Trichloroethane	NS	NS	0.002 U	0.0022 U	0.0023 U	0.0023 U	0.0024 U	0.19 U
1,1-Dichloroethane	0.27	26	0.002 U	0.0022 U	0.0023 U	0.0023 U	0.0024 U	0.19 U
1,1-Dichloroethylene	0.33	100	0.002 U	0.0022 U	0.0023 U	0.0023 U	0.0024 U	0.19 U
1,2,3-Trichlorobenzene	NS	NS	0.002 U	0.0022 U	0.0023 U	0.0023 U	0.0024 U	0.19 U
1,2,3-Trichloropropane	NS	NS	0.002 U	0.0022 U	0.0023 U	0.0023 U	0.0024 U	0.19 U
1,2,4-Trichlorobenzene	NS	NS	0.002 U	0.0022 U	0.0023 U	0.0023 U	0.0024 U	0.19 U
1,2,4-Trimethylbenzene	3.6	52	0.002 U	0.0022 U	0.0023 U	0.0023 U	0.0024 U	0.34 JD
1,2-Dibromo-3-chloropropane	NS	NS	0.002 U	0.0022 U	0.0023 U	0.0023 U	0.0024 U	0.19 U
1,2-Dibromoethane	NS	NS	0.002 U	0.0022 U	0.0023 U	0.0023 U	0.0024 U	0.19 U
1,2-Dichlorobenzene	1.1	100	0.002 U	0.0022 U	0.0023 U	0.0023 U	0.0024 U	0.19 U
1,2-Dichloroethane	0.02	3.1	0.002 U	0.0022 U	0.0023 U	0.0023 U	0.0024 U	0.19 U
1,2-Dichloropropane	NS	NS	0.002 U	0.0022 U	0.0023 U	0.0023 U	0.0024 U	0.19 U
1,3,5-Trimethylbenzene	8.4	52	0.002 U	0.0022 U	0.0023 U	0.0023 U	0.0024 U	0.19 U
1,3-Dichlorobenzene	2.4	49	0.002 U	0.0022 U	0.0023 U	0.0023 U	0.0024 U	0.19 U
1,4-Dichlorobenzene	1.8	13	0.002 U	0.0022 U	0.0023 U	0.0023 U	0.0024 U	0.19 U
1,4-Dioxane	0.1	13	0.039 U	0.045 U	0.045 U	0.047 U	0.048 U	3.8 U
2-Butanone	0.12	100	0.002 U	0.0022 U	0.0023 U	0.0023 U	0.0024 U	0.31 JD
2-Hexanone	NS	NS	0.002 U	0.0022 U	0.0023 U	0.0023 U	0.0024 U	0.19 U
4-Methyl-2-pentanone	NS	NS	0.002 U	0.0022 U	0.0023 U	0.0023 U	0.0024 U	0.19 U
Acetone	0.05	100	0.0039 U	0.006 J	0.0045 U	0.0062 J	0.0089 J	0.38 U
Acrolein	NS	NS	0.0039 U	0.0045 U	0.0045 U	0.0047 U	0.0048 U	0.38 U
Acrylonitrile	NS	NS	0.002 U	0.0022 U	0.0023 U	0.0023 U	0.0024 U	0.19 U
Benzene	0.06	4.8	0.002 U	0.0022 U	0.0023 U	0.0023 U	0.0024 U	0.19 U
Bromochloromethane	NS	NS	0.002 U	0.0022 U	0.0023 U	0.0023 U	0.0024 U	0.19 U
Bromodichloromethane	NS	NS	0.002 U	0.0022 U	0.0023 U	0.0023 U	0.0024 U	0.19 U
Bromoform	NS	NS	0.002 U	0.0022 U	0.0023 U	0.0023 U	0.0024 U	0.19 U
Bromomethane	NS	NS	0.002 U	0.0022 U	0.0023 U	0.0023 U	0.0024 U	0.19 U
Carbon disulfide	NS	NS	0.002 U	0.0022 U	0.0023 U	0.0023 U	0.0024 U	0.19 U
Carbon tetrachloride	0.76	2.4	0.002 U	0.0022 U	0.0023 U	0.0023 U	0.0024 U	0.19 U
Chlorobenzene	1.1	100	0.002 U	0.0022 U	0.0023 U	0.0023 U	0.0024 U	0.19 U
Chloroethane	NS	NS	0.002 U	0.0022 U	0.0023 U	0.0023 U	0.0024 U	0.19 U
Chloroform	0.37	49	0.002 U	0.0022 U	0.0023 U	0.0023 U	0.0024 U	0.19 U
Chloromethane	NS	NS	0.002 U	0.0022 U	0.0023 U	0.0023 U	0.0024 U	0.19 U
cis-1,2-Dichloroethylene	0.25	100	0.002 U	0.0022 U	0.0023 U	0.0023 U	0.0024 U	0.19 U
cis-1,3-Dichloropropylene	NS	NS	0.002 U	0.0022 U	0.0023 U	0.0023 U	0.0024 U	0.19 U
Cyclohexane	NS	NS	0.002 U	0.0022 U	0.0023 U	0.0023 U	0.0024 U	0.19 U
Dibromochloromethane	NS	NS	0.002 U	0.0022 U	0.0023 U	0.0023 U	0.0024 U	0.19 U
Dibromomethane	NS	NS	0.002 U	0.0022 U	0.0023 U	0.0023 U	0.0024 U	0.19 U
Dichlorodifluoromethane	NS	NS	0.002 U	0.0022 U	0.0023 U	0.0023 U	0.0024 U	0.19 U
Ethyl Benzene	1	41	0.002 U	0.0022 U	0.0023 U	0.0023 U	0.0024 U	0.24 JD
Hexachlorobutadiene	NS	NS	0.002 U	0.0022 U	0.0023 U	0.0023 U	0.0024 U	0.19 U
Isopropylbenzene	NS	NS	0.002 U	0.0022 U	0.0023 U	0.0023 U	0.0024 U	0.38 JD
Methyl acetate	NS	NS	0.002 U	0.0028 J	0.0023 U	0.0023 U	0.0024 U	2.1 D
Methyl tert-butyl ether (MTBE)	0.93	100	0.002 U	0.0022 U	0.0023 U	0.0023 U	0.0024 U	0.19 U
Methylcyclohexane	NS	NS	0.002 U	0.0022 U	0.0023 U	0.0023 U	0.0024 U	0.54 D
Methylene chloride	0.05	100	0.0039 U	0.0045 U	0.0048 J	0.0084 J	0.0056 J	0.38 U
n-Butylbenzene	12	100	0.002 U	0.0022 U	0.0023 U	0.0023 U	0.0024 U	1.3 D
n-Propylbenzene	3.9	100	0.002 U	0.0022 U	0.0023 U	0.0023 U	0.0024 U	0.8 D
o-Xylene	0.26 TS	100 TS	0.002 U	0.0022 U	0.0023 U	0.0023 U	0.0024 U	0.19 U
p- & m- Xylenes	0.26 TS	100 TS	0.0039 U	0.0045 U	0.0045 U	0.0047 U	0.0048 U	0.38 U
p-Isopropyltoluene	NS	NS	0.002 U	0.0022 U	0.0023 U	0.0023 U	0.0024 U	0.19 U
sec-Butylbenzene	11	100	0.002 U	0.0022 U	0.0023 U	0.0023 U	0.0024 U	1 D
Styrene	NS	NS	0.002 U	0.0022 U	0.0023 U	0.0023 U	0.0024 U	0.19 U
tert-Butyl alcohol (TBA)	NS	NS	0.002 U	0.0022 U	0.0023 U	0.0023 U	0.0024 U	0.19 U
tert-Butylbenzene	5.9	100	0.002 U	0.0022 U	0.0023 U	0.0023 U	0.0024 U	0.19 U
Tetrachloroethylene	1.3	19	0.002 U	0.0022 U	0.0023 U	0.0023 U	0.0024 U	0.19 U
Toluene	0.7	100	0.002 U	0.0022 U	0.0023 U	0.0023 U	0.0024 U	0.19 U
trans-1,2-Dichloroethylene	0.19	100	0.002 U	0.0022 U	0.0023 U	0.0023 U	0.0024 U	0.19 U
trans-1,3-Dichloropropylene	NS	NS	0.002 U	0.0022 U	0.0023 U	0.0023 U	0.0024 U	0.19 U
Trichloroethylene	0.47	21	0.002 U	0.0022 U	0.0023 U	0.0023 U	0.0024 U	0.19 U
Trichlorofluoromethane	NS	NS	0.002 U	0.0022 U	0.0023 U	0.0023 U	0.0024 U	0.19 U
Vinyl Chloride	0.02	0.9	0.002 U	0.0022 U	0.0023 U	0.0023 U	0.0024 U	0.19 U
Xylenes, Total	0.26	100	0.0059 U	0.0067 U	0.0068 U	0.007 U	0.0072 U	0.57 U

Table 1
1678 and 1700 Park Avenue
New York, NY
Remedial Investigation Soil Analytical Results
Volatile Organic Compounds

Client ID	NYSDEC	NYSDEC	SB-4 (1'-2')	SB-4 (14'-15')	SB-5 (1'-2')	SB-5 (12'-13')	SB-6 (1'-2')	SB-7 (1'-2')
Lab Sample ID	Part 375	Part 375	16H0470-03	16H0470-04	16H0404-05	16H0404-06	16H0470-05	16H0470-06
Date Sampled	Unrestricted	Restricted	8/9/2016	8/9/2016	8/8/2016	8/8/2016	8/9/2016	8/9/2016
Dilution	SCO	Residential	1	1	1	1	1	1
mg/kg	mg/kg	mg/kg						
1,1,1,2-Tetrachloroethane	NS	NS	0.0022 U	0.0022 U	0.0032 U	0.003 U	0.0021 U	0.0026 U
1,1,1-Trichloroethane	0.68	100	0.0022 U	0.0022 U	0.0032 U	0.003 U	0.0021 U	0.0026 U
1,1,2,2-Tetrachloroethane	NS	NS	0.0022 U	0.0022 U	0.0032 U	0.003 U	0.0021 U	0.0026 U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	NS	NS	0.0022 U	0.0022 U	0.0032 U	0.003 U	0.0021 U	0.0026 U
1,1,2-Trichloroethane	NS	NS	0.0022 U	0.0022 U	0.0032 U	0.003 U	0.0021 U	0.0026 U
1,1-Dichloroethane	0.27	26	0.0022 U	0.0022 U	0.0032 U	0.003 U	0.0021 U	0.0026 U
1,1-Dichloroethylene	0.33	100	0.0022 U	0.0022 U	0.0032 U	0.003 U	0.0021 U	0.0026 U
1,2,3-Trichlorobenzene	NS	NS	0.0022 U	0.0022 U	0.0032 U	0.003 U	0.0021 U	0.0026 U
1,2,3-Trichloropropane	NS	NS	0.0022 U	0.0022 U	0.0032 U	0.003 U	0.0021 U	0.0026 U
1,2,4-Trichlorobenzene	NS	NS	0.0022 U	0.0022 U	0.0032 U	0.003 U	0.0021 U	0.0026 U
1,2,4-Trimethylbenzene	3.6	52	0.0022 U	0.0022 U	0.0032 U	0.003 U	0.0021 U	0.0026 U
1,2-Dibromo-3-chloropropane	NS	NS	0.0022 U	0.0022 U	0.0032 U	0.003 U	0.0021 U	0.0026 U
1,2-Dibromoethane	NS	NS	0.0022 U	0.0022 U	0.0032 U	0.003 U	0.0021 U	0.0026 U
1,2-Dichlorobenzene	1.1	100	0.0022 U	0.0022 U	0.0032 U	0.003 U	0.0021 U	0.0026 U
1,2-Dichloroethane	0.02	3.1	0.0022 U	0.0022 U	0.0032 U	0.003 U	0.0021 U	0.0026 U
1,2-Dichloropropane	NS	NS	0.0022 U	0.0022 U	0.0032 U	0.003 U	0.0021 U	0.0026 U
1,3,5-Trimethylbenzene	8.4	52	0.0022 U	0.0022 U	0.0032 U	0.003 U	0.0021 U	0.0026 U
1,3-Dichlorobenzene	2.4	49	0.0022 U	0.0022 U	0.0032 U	0.003 U	0.0021 U	0.0026 U
1,4-Dichlorobenzene	1.8	13	0.0022 U	0.0022 U	0.0032 U	0.003 U	0.0021 U	0.0026 U
1,4-Dioxane	0.1	13	0.043 U	0.045 U	0.064 U	0.059 U	0.041 U	0.051 U
2-Butanone	0.12	100	0.009	0.0022 U	0.0032 U	0.003 U	0.0021 U	0.0026 J
2-Hexanone	NS	NS	0.0022 U	0.0022 U	0.0032 U	0.003 U	0.0021 U	0.0026 U
4-Methyl-2-pentanone	NS	NS	0.0022 U	0.0022 U	0.0032 U	0.0081	0.0021 U	0.0026 U
Acetone	0.05	100	0.043	0.0045 U	0.0064 U	0.016	0.0046 J	0.023
Acrolein	NS	NS	0.0043 U	0.0045 U	0.0064 U	0.0059 U	0.0041 U	0.0051 U
Acrylonitrile	NS	NS	0.0022 U	0.0022 U	0.0032 U	0.003 U	0.0021 U	0.0026 U
Benzene	0.06	4.8	0.0022 U	0.0022 U	0.0032 U	0.003 U	0.0021 U	0.0026 U
Bromochloromethane	NS	NS	0.0022 U	0.0022 U	0.0032 U	0.003 U	0.0021 U	0.0026 U
Bromodichloromethane	NS	NS	0.0022 U	0.0022 U	0.0032 U	0.003 U	0.0021 U	0.0026 U
Bromoform	NS	NS	0.0022 U	0.0022 U	0.0032 U	0.003 U	0.0021 U	0.0026 U
Bromomethane	NS	NS	0.0022 U	0.0022 U	0.0032 U	0.003 U	0.0021 U	0.0026 U
Carbon disulfide	NS	NS	0.0022 U	0.0022 U	0.0032 U	0.0037 J	0.0021 U	0.0026 U
Carbon tetrachloride	0.76	2.4	0.0022 U	0.0022 U	0.0032 U	0.003 U	0.0021 U	0.0026 U
Chlorobenzene	1.1	100	0.0022 U	0.0022 U	0.0032 U	0.003 U	0.0021 U	0.0026 U
Chloroethane	NS	NS	0.0022 U	0.0022 U	0.0032 U	0.003 U	0.0021 U	0.0026 U
Chloroform	0.37	49	0.0022 U	0.0022 U	0.0032 U	0.003 U	0.0021 U	0.0026 U
Chloromethane	NS	NS	0.0022 U	0.0022 U	0.0032 U	0.003 U	0.0021 U	0.0026 U
cis-1,2-Dichloroethylene	0.25	100	0.0022 U	0.0022 U	0.0032 U	0.003 U	0.0021 U	0.0026 U
cis-1,3-Dichloropropylene	NS	NS	0.0022 U	0.0022 U	0.0032 U	0.003 U	0.0021 U	0.0026 U
Cyclohexane	NS	NS	0.0022 U	0.0022 U	0.0032 U	0.003 U	0.0021 U	0.0026 U
Dibromochloromethane	NS	NS	0.0022 U	0.0022 U	0.0032 U	0.003 U	0.0021 U	0.0026 U
Dibromomethane	NS	NS	0.0022 U	0.0022 U	0.0032 U	0.003 U	0.0021 U	0.0026 U
Dichlorodifluoromethane	NS	NS	0.0022 U	0.0022 U	0.0032 U	0.003 U	0.0021 U	0.0026 U
Ethyl Benzene	1	41	0.0022 U	0.0022 U	0.0032 U	0.003 U	0.0021 U	0.0026 U
Hexachlorobutadiene	NS	NS	0.0022 U	0.0022 U	0.0032 U	0.003 U	0.0021 U	0.0026 U
Isopropylbenzene	NS	NS	0.0022 U	0.0022 U	0.0032 U	0.003 U	0.0021 U	0.0026 U
Methyl acetate	NS	NS	0.0022 U	0.0022 U	0.0032 U	0.003 U	0.0049	0.0026 U
Methyl tert-butyl ether (MTBE)	0.93	100	0.0022 U	0.0022 U	0.0032 U	0.003 U	0.0021 U	0.0026 U
Methylcyclohexane	NS	NS	0.0022 U	0.0022 U	0.0032 U	0.003 U	0.0021 U	0.0026 U
Methylene chloride	0.05	100	0.0046 J	0.007 J	0.0064 U	0.013	0.0041 U	0.0051 U
n-Butylbenzene	12	100	0.0022 U	0.0022 U	0.0032 U	0.003 U	0.0021 U	0.0026 U
n-Propylbenzene	3.9	100	0.0022 U	0.0022 U	0.0032 U	0.003 U	0.0021 U	0.0026 U
o-Xylene	0.26 TS	100 TS	0.0022 U	0.0022 U	0.0032 U	0.003 U	0.0021 U	0.0026 U
p- & m- Xylenes	0.26 TS	100 TS	0.0043 U	0.0045 U	0.0064 U	0.0059 U	0.0041 U	0.0051 U
p-Isopropyltoluene	NS	NS	0.0022 U	0.0022 U	0.0032 U	0.003 U	0.0021 U	0.0026 U
sec-Butylbenzene	11	100	0.0022 U	0.0022 U	0.0032 U	0.003 U	0.0021 U	0.0026 U
Styrene	NS	NS	0.0022 U	0.0022 U	0.0032 U	0.003 U	0.0021 U	0.0026 U
tert-Butyl alcohol (TBA)	NS	NS	0.0022 U	0.0022 U	0.0032 U	0.003 U	0.0021 U	0.0026 U
tert-Butylbenzene	5.9	100	0.0022 U	0.0022 U	0.0032 U	0.003 U	0.0021 U	0.0026 U
Tetrachloroethylene	1.3	19	0.0022 U	0.0022 U	0.0032 U	0.003 U	0.0021 U	0.0026 U
Toluene	0.7	100	0.0022 U	0.0022 U	0.0032 U	0.003 U	0.0021 U	0.0026 U
trans-1,2-Dichloroethylene	0.19	100	0.0022 U	0.0022 U	0.0032 U	0.003 U	0.0021 U	0.0026 U
trans-1,3-Dichloropropylene	NS	NS	0.0022 U	0.0022 U	0.0032 U	0.003 U	0.0021 U	0.0026 U
Trichloroethylene	0.47	21	0.0022 U	0.0022 U	0.0032 U	0.003 U	0.0021 U	0.0026 U
Trichlorofluoromethane	NS	NS	0.0022 U	0.0022 U	0.0032 U	0.003 U	0.0021 U	0.0026 U
Vinyl Chloride	0.02	0.9	0.0022 U	0.0022 U	0.0032 U	0.003 U	0.0021 U	0.0026 U
Xylenes, Total	0.26	100	0.0065 U	0.0067 U	0.0096 U	0.0089 U	0.0062 U	0.0077 U

Table 1
1678 and 1700 Park Avenue
New York, NY
Remedial Investigation Soil Analytical Results
Volatile Organic Compounds

Client ID	NYSDEC	NYSDEC	SB-7 (8'-9')	SB-8 (1'-2')	SB-8 (8'-9')	SB-9 (4'-5')	SB-9 (8'-9')	SB-10 (1'-2')
Lab Sample ID	Part 375	Part 375	16H0470-07	16H0538-04	16H0538-05	16H0538-01	16H0538-02	16H0538-06
Date Sampled	Unrestricted	Restricted	8/9/2016	8/10/2016	8/10/2016	8/10/2016	8/10/2016	8/10/2016
Dilution	SCO	Residential	1	1	1	1	1	1
mg/kg	mg/kg	mg/kg						
1,1,1,2-Tetrachloroethane	NS	NS	0.002 U	0.0032 U	0.0026 U	0.0025 U	0.0021 U	0.0019 U
1,1,1-Trichloroethane	0.68	100	0.002 U	0.0032 U	0.0026 U	0.0025 U	0.0021 U	0.0019 U
1,1,2,2-Tetrachloroethane	NS	NS	0.002 U	0.0032 U	0.0026 U	0.0025 U	0.0021 U	0.0019 U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	NS	NS	0.002 U	0.0032 U	0.0026 U	0.0025 U	0.0021 U	0.0019 U
1,1,2-Trichloroethane	NS	NS	0.002 U	0.0032 U	0.0026 U	0.0025 U	0.0021 U	0.0019 U
1,1-Dichloroethane	0.27	26	0.002 U	0.0032 U	0.0026 U	0.0025 U	0.0021 U	0.0019 U
1,1-Dichloroethylene	0.33	100	0.002 U	0.0032 U	0.0026 U	0.0025 U	0.0021 U	0.0019 U
1,2,3-Trichlorobenzene	NS	NS	0.002 U	0.0032 U	0.0026 U	0.0025 U	0.0021 U	0.0019 U
1,2,3-Trichloropropane	NS	NS	0.002 U	0.0032 U	0.0026 U	0.0025 U	0.0021 U	0.0019 U
1,2,4-Trichlorobenzene	NS	NS	0.002 U	0.0032 U	0.0026 U	0.0025 U	0.0021 U	0.0019 U
1,2,4-Trimethylbenzene	3.6	52	0.002 U	0.0032 U	0.0026 U	0.0025 U	0.0021 U	0.0019 U
1,2-Dibromo-3-chloropropane	NS	NS	0.002 U	0.0032 U	0.0026 U	0.0025 U	0.0021 U	0.0019 U
1,2-Dibromoethane	NS	NS	0.002 U	0.0032 U	0.0026 U	0.0025 U	0.0021 U	0.0019 U
1,2-Dichlorobenzene	1.1	100	0.002 U	0.0032 U	0.0026 U	0.0025 U	0.0021 U	0.0019 U
1,2-Dichloroethane	0.02	3.1	0.002 U	0.0032 U	0.0026 U	0.0025 U	0.0021 U	0.0019 U
1,2-Dichloropropane	NS	NS	0.002 U	0.0032 U	0.0026 U	0.0025 U	0.0021 U	0.0019 U
1,3,5-Trimethylbenzene	8.4	52	0.002 U	0.0032 U	0.0026 U	0.0025 U	0.0021 U	0.0019 U
1,3-Dichlorobenzene	2.4	49	0.002 U	0.0032 U	0.0026 U	0.0025 U	0.0021 U	0.0019 U
1,4-Dichlorobenzene	1.8	13	0.002 U	0.0032 U	0.0026 U	0.0025 U	0.0021 U	0.0019 U
1,4-Dioxane	0.1	13	0.04 U	0.065 U	0.051 U	0.051 U	0.041 U	0.038 U
2-Butanone	0.12	100	0.0066	0.0032 U	0.0026 U	0.0025 U	0.0021 U	0.0019 U
2-Hexanone	NS	NS	0.002 U	0.0032 U	0.0026 U	0.0025 U	0.0021 U	0.0019 U
4-Methyl-2-pentanone	NS	NS	0.002 U	0.0032 U	0.0026 U	0.0025 U	0.0021 U	0.0019 U
Acetone	0.05	100	0.034	0.014	0.0072 J	0.0051 U	0.0041 U	0.0038 U
Acrolein	NS	NS	0.004 U	0.0065 U	0.0051 U	0.0051 U	0.0041 U	0.0038 U
Acrylonitrile	NS	NS	0.002 U	0.0032 U	0.0026 U	0.0025 U	0.0021 U	0.0019 U
Benzene	0.06	4.8	0.002 U	0.0032 U	0.0026 U	0.0025 U	0.0021 U	0.0019 U
Bromochloromethane	NS	NS	0.002 U	0.0032 U	0.0026 U	0.0025 U	0.0021 U	0.0019 U
Bromodichloromethane	NS	NS	0.002 U	0.0032 U	0.0026 U	0.0025 U	0.0021 U	0.0019 U
Bromoform	NS	NS	0.002 U	0.0032 U	0.0026 U	0.0025 U	0.0021 U	0.0019 U
Bromomethane	NS	NS	0.002 U	0.0032 U	0.0026 U	0.0025 U	0.0021 U	0.0019 U
Carbon disulfide	NS	NS	0.002 U	0.0032 U	0.0026 U	0.0025 U	0.0021 U	0.0019 U
Carbon tetrachloride	0.76	2.4	0.002 U	0.0032 U	0.0026 U	0.0025 U	0.0021 U	0.0019 U
Chlorobenzene	1.1	100	0.002 U	0.0032 U	0.0026 U	0.0025 U	0.0021 U	0.0019 U
Chloroethane	NS	NS	0.002 U	0.0032 U	0.0026 U	0.0025 U	0.0021 U	0.0019 U
Chloroform	0.37	49	0.002 U	0.0032 U	0.0026 U	0.0025 U	0.0021 U	0.0019 U
Chloromethane	NS	NS	0.002 U	0.0032 U	0.0026 U	0.0025 U	0.0021 U	0.0019 U
cis-1,2-Dichloroethylene	0.25	100	0.002 U	0.0032 U	0.0026 U	0.0025 U	0.0021 U	0.0019 U
cis-1,3-Dichloropropylene	NS	NS	0.002 U	0.0032 U	0.0026 U	0.0025 U	0.0021 U	0.0019 U
Cyclohexane	NS	NS	0.002 U	0.0032 U	0.0026 U	0.0025 U	0.0021 U	0.0019 U
Dibromochloromethane	NS	NS	0.002 U	0.0032 U	0.0026 U	0.0025 U	0.0021 U	0.0019 U
Dibromomethane	NS	NS	0.002 U	0.0032 U	0.0026 U	0.0025 U	0.0021 U	0.0019 U
Dichlorodifluoromethane	NS	NS	0.002 U	0.0032 U	0.0026 U	0.0025 U	0.0021 U	0.0019 U
Ethyl Benzene	1	41	0.002 U	0.0032 U	0.0026 U	0.0025 U	0.0021 U	0.0019 U
Hexachlorobutadiene	NS	NS	0.002 U	0.0032 U	0.0026 U	0.0025 U	0.0021 U	0.0019 U
Isopropylbenzene	NS	NS	0.002 U	0.0032 U	0.0026 U	0.0025 U	0.0021 U	0.0019 U
Methyl acetate	NS	NS	0.002 U	0.0032 U	0.0026 U	0.0025 U	0.0021 U	0.0019 U
Methyl tert-butyl ether (MTBE)	0.93	100	0.002 U	0.0032 U	0.0026 U	0.0025 U	0.0021 U	0.0019 U
Methylcyclohexane	NS	NS	0.002 U	0.0032 U	0.0026 U	0.0025 U	0.0021 U	0.0019 U
Methylene chloride	0.05	100	0.004 U	0.0065 U	0.0051 U	0.0055 J	0.0043 J	0.0038 U
n-Butylbenzene	12	100	0.002 U	0.0032 U	0.0026 U	0.0025 U	0.0021 U	0.0019 U
n-Propylbenzene	3.9	100	0.002 U	0.0032 U	0.0026 U	0.0025 U	0.0021 U	0.0019 U
o-Xylene	0.26 TS	100 TS	0.002 U	0.0032 U	0.0026 U	0.0025 U	0.0021 U	0.0019 U
p- & m- Xylenes	0.26 TS	100 TS	0.004 U	0.0065 U	0.0051 U	0.0051 U	0.0041 U	0.0038 U
p-Isopropyltoluene	NS	NS	0.002 U	0.0032 U	0.0026 U	0.0025 U	0.0021 U	0.0019 U
sec-Butylbenzene	11	100	0.002 U	0.0032 U	0.0026 U	0.0025 U	0.0021 U	0.0019 U
Styrene	NS	NS	0.002 U	0.0032 U	0.0026 U	0.0025 U	0.0021 U	0.0019 U
tert-Butyl alcohol (TBA)	NS	NS	0.002 U	0.0032 U	0.0026 U	0.0025 U	0.0021 U	0.0019 U
tert-Butylbenzene	5.9	100	0.002 U	0.0032 U	0.0026 U	0.0025 U	0.0021 U	0.0019 U
Tetrachloroethylene	1.3	19	0.002 U	0.0032 U	0.0026 U	0.0036 J	0.0021 U	0.0019 U
Toluene	0.7	100	0.002 U	0.0032 U	0.0026 U	0.0025 U	0.0021 U	0.0019 U
trans-1,2-Dichloroethylene	0.19	100	0.002 U	0.0032 U	0.0026 U	0.0025 U	0.0021 U	0.0019 U
trans-1,3-Dichloropropylene	NS	NS	0.002 U	0.0032 U	0.0026 U	0.0025 U	0.0021 U	0.0019 U
Trichloroethylene	0.47	21	0.002 U	0.0032 U	0.0026 U	0.0025 U	0.0021 U	0.0019 U
Trichlorofluoromethane	NS	NS	0.002 U	0.0032 U	0.0026 U	0.0025 U	0.0021 U	0.0019 U
Vinyl Chloride	0.02	0.9	0.002 U	0.0032 U	0.0026 U	0.0025 U	0.0021 U	0.0019 U
Xylenes, Total	0.26	100	0.006 U	0.0097 U	0.0077 U	0.0076 U	0.0062 U	0.0057 U

Table 1
1678 and 1700 Park Avenue
New York, NY
Remedial Investigation Soil Analytical Results
Volatile Organic Compounds

Client ID	NYSDEC	NYSDEC	SB-10 (8'-9')	SB-11 (1'-2')	SB-11 (7'-8')
Lab Sample ID	Part 375	Part 375	16H0538-07	16H0470-08	16H0470-09
Date Sampled	Unrestricted	Restricted	8/10/2016	8/9/2016	8/9/2016
Dilution	SCO	Residential	1	1	1
mg/kg	mg/kg	mg/kg			
1,1,1,2-Tetrachloroethane	NS	NS	0.0025 U	0.0025 U	0.002 U
1,1,1-Trichloroethane	0.68	100	0.0025 U	0.0025 U	0.002 U
1,1,2,2-Tetrachloroethane	NS	NS	0.0025 U	0.0025 U	0.002 U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	NS	NS	0.0025 U	0.0025 U	0.002 U
1,1,2-Trichloroethane	NS	NS	0.0025 U	0.0025 U	0.002 U
1,1-Dichloroethane	0.27	26	0.0025 U	0.0025 U	0.002 U
1,1-Dichloroethylene	0.33	100	0.0025 U	0.0025 U	0.002 U
1,2,3-Trichlorobenzene	NS	NS	0.0025 U	0.0025 U	0.002 U
1,2,3-Trichloropropane	NS	NS	0.0025 U	0.0025 U	0.002 U
1,2,4-Trichlorobenzene	NS	NS	0.0025 U	0.0025 U	0.002 U
1,2,4-Trimethylbenzene	3.6	52	0.0025 U	0.0025 U	0.002 U
1,2-Dibromo-3-chloropropane	NS	NS	0.0025 U	0.0025 U	0.002 U
1,2-Dibromoethane	NS	NS	0.0025 U	0.0025 U	0.002 U
1,2-Dichlorobenzene	1.1	100	0.0025 U	0.0025 U	0.002 U
1,2-Dichloroethane	0.02	3.1	0.0025 U	0.0025 U	0.002 U
1,2-Dichloropropane	NS	NS	0.0025 U	0.0025 U	0.002 U
1,3,5-Trimethylbenzene	8.4	52	0.0025 U	0.0025 U	0.002 U
1,3-Dichlorobenzene	2.4	49	0.0025 U	0.0025 U	0.002 U
1,4-Dichlorobenzene	1.8	13	0.0025 U	0.0025 U	0.002 U
1,4-Dioxane	0.1	13	0.05 U	0.05 U	0.039 U
2-Butanone	0.12	100	0.0025 U	0.0025 U	0.002 U
2-Hexanone	NS	NS	0.0025 U	0.0025 U	0.002 U
4-Methyl-2-pentanone	NS	NS	0.0025 U	0.0025 U	0.002 U
Acetone	0.05	100	0.0058 J	0.005 U	0.0039 U
Acrolein	NS	NS	0.005 U	0.005 U	0.0039 U
Acrylonitrile	NS	NS	0.0025 U	0.0025 U	0.002 U
Benzene	0.06	4.8	0.0025 U	0.0025 U	0.002 U
Bromochloromethane	NS	NS	0.0025 U	0.0025 U	0.002 U
Bromodichloromethane	NS	NS	0.0025 U	0.0025 U	0.002 U
Bromoform	NS	NS	0.0025 U	0.0025 U	0.002 U
Bromomethane	NS	NS	0.0025 U	0.0025 U	0.002 U
Carbon disulfide	NS	NS	0.0025 U	0.0025 U	0.002 U
Carbon tetrachloride	0.76	2.4	0.0025 U	0.0025 U	0.002 U
Chlorobenzene	1.1	100	0.0025 U	0.0025 U	0.002 U
Chloroethane	NS	NS	0.0025 U	0.0025 U	0.002 U
Chloroform	0.37	49	0.0025 U	0.0025 U	0.002 U
Chloromethane	NS	NS	0.0025 U	0.0025 U	0.002 U
cis-1,2-Dichloroethylene	0.25	100	0.0025 U	0.0025 U	0.002 U
cis-1,3-Dichloropropylene	NS	NS	0.0025 U	0.0025 U	0.002 U
Cyclohexane	NS	NS	0.0025 U	0.0025 U	0.002 U
Dibromochloromethane	NS	NS	0.0025 U	0.0025 U	0.002 U
Dibromomethane	NS	NS	0.0025 U	0.0025 U	0.002 U
Dichlorodifluoromethane	NS	NS	0.0025 U	0.0025 U	0.002 U
Ethyl Benzene	1	41	0.0025 U	0.0025 U	0.002 U
Hexachlorobutadiene	NS	NS	0.0025 U	0.0025 U	0.002 U
Isopropylbenzene	NS	NS	0.0025 U	0.0025 U	0.002 U
Methyl acetate	NS	NS	0.0025 U	0.0025 U	0.002 U
Methyl tert-butyl ether (MTBE)	0.93	100	0.0025 U	0.0025 U	0.002 U
Methylcyclohexane	NS	NS	0.0025 U	0.0025 U	0.002 U
Methylene chloride	0.05	100	0.0054 J	0.005 U	0.0039 U
n-Butylbenzene	12	100	0.0025 U	0.0025 U	0.002 U
n-Propylbenzene	3.9	100	0.0025 U	0.0025 U	0.002 U
o-Xylene	0.26 TS	100 TS	0.0025 U	0.0025 U	0.002 U
p- & m- Xylenes	0.26 TS	100 TS	0.005 U	0.005 U	0.0039 U
p-Isopropyltoluene	NS	NS	0.0025 U	0.0025 U	0.002 U
sec-Butylbenzene	11	100	0.0025 U	0.0025 U	0.002 U
Styrene	NS	NS	0.0025 U	0.0025 U	0.002 U
tert-Butyl alcohol (TBA)	NS	NS	0.0025 U	0.0025 U	0.002 U
tert-Butylbenzene	5.9	100	0.0025 U	0.0025 U	0.002 U
Tetrachloroethylene	1.3	19	0.0025 U	0.0025 U	0.002 U
Toluene	0.7	100	0.0025 U	0.0025 U	0.002 U
trans-1,2-Dichloroethylene	0.19	100	0.0025 U	0.0025 U	0.002 U
trans-1,3-Dichloropropylene	NS	NS	0.0025 U	0.0025 U	0.002 U
Trichloroethylene	0.47	21	0.0025 U	0.0025 U	0.002 U
Trichlorofluoromethane	NS	NS	0.0025 U	0.0025 U	0.002 U
Vinyl Chloride	0.02	0.9	0.0025 U	0.0025 U	0.002 U
Xylenes, Total	0.26	100	0.0076 U	0.0076 U	0.0059 U

Table 2
1678 and 1700 Park Avenue
New York, NY

Remedial Investigation Soil Analytical Results
Semi-Volatile Organic Compounds

Client ID Lab Sample ID Date Sampled Dilution	NYSDEC Part 375 Unrestricted SCO	NYSDEC Part 375 Restricted Residential SCO	SB-1 (1'-2') 16H0404-01 8/8/2016 2	SB-1 (8'-9') 16H0404-02 8/8/2016 2	SB-2 (1'-2') 16H0404-03 8/8/2016 5	SB-2 (8'-9') 16H0404-04 8/8/2016 2	SB-3 (2'-3') 16H0470-01 8/9/2016 2	SB-3 (9'-10') 16H0470-02 8/9/2016 10
mg/kg	mg/kg	mg/kg						
1,1'-Biphenyl	NS	NS	0.048 U	0.045 U	0.12 U	0.047 U	0.049 U	0.23 U
1,2,4,5-Tetrachlorobenzene	NS	NS	0.096 U	0.09 U	0.24 U	0.094 U	0.097 U	0.45 U
1,2,4-Trichlorobenzene	NS	NS	0.048 U	0.045 U	0.12 U	0.047 U	0.049 U	0.23 U
1,2-Dichlorobenzene	1.1	100	0.048 U	0.045 U	0.12 U	0.047 U	0.049 U	0.23 U
1,2-Diphenylhydrazine (as Azobenzene)	NS	NS	0.048 U	0.045 U	0.12 U	0.047 U	0.049 U	0.23 U
1,3-Dichlorobenzene	2.4	49	0.048 U	0.045 U	0.12 U	0.047 U	0.049 U	0.23 U
1,4-Dichlorobenzene	1.8	13	0.048 U	0.045 U	0.12 U	0.047 U	0.049 U	0.23 U
2,3,4,6-Tetrachlorophenol	NS	NS	0.096 U	0.09 U	0.24 U	0.094 U	0.097 U	0.45 U
2,4,5-Trichlorophenol	NS	NS	0.048 U	0.045 U	0.12 U	0.047 U	0.049 U	0.23 U
2,4,6-Trichlorophenol	NS	NS	0.048 U	0.045 U	0.12 U	0.047 U	0.049 U	0.23 U
2,4-Dichlorophenol	NS	NS	0.048 U	0.045 U	0.12 U	0.047 U	0.049 U	0.23 U
2,4-Dimethylphenol	NS	NS	0.048 U	0.045 U	0.12 U	0.047 U	0.049 U	0.23 U
2,4-Dinitrophenol	NS	NS	0.096 U	0.09 U	0.24 U	0.094 U	0.097 U	0.45 U
2,4-Dinitrotoluene	NS	NS	0.048 U	0.045 U	0.12 U	0.047 U	0.049 U	0.23 U
2,6-Dinitrotoluene	NS	NS	0.048 U	0.045 U	0.12 U	0.047 U	0.049 U	0.23 U
2-Chloronaphthalene	NS	NS	0.048 U	0.045 U	0.12 U	0.047 U	0.049 U	0.23 U
2-Chlorophenol	NS	NS	0.048 U	0.045 U	0.12 U	0.047 U	0.049 U	0.23 U
2-Methylnaphthalene	NS	NS	0.048 U	0.045 U	0.12 U	0.047 U	0.049 U	2.9 D
2-Methylphenol	0.33	100	0.048 U	0.045 U	0.12 U	0.047 U	0.049 U	0.23 U
2-Nitroaniline	NS	NS	0.096 U	0.09 U	0.24 U	0.094 U	0.097 U	0.45 U
2-Nitrophenol	NS	NS	0.048 U	0.045 U	0.12 U	0.047 U	0.049 U	0.23 U
3- & 4-Methylphenols	0.33	100	0.048 U	0.045 U	0.12 U	0.047 U	0.049 U	0.23 U
3,3'-Dichlorobenzidine	NS	NS	0.048 U	0.045 U	0.12 U	0.047 U	0.049 U	0.23 U
3-Nitroaniline	NS	NS	0.096 U	0.09 U	0.24 U	0.094 U	0.097 U	0.45 U
4,6-Dinitro-2-methylphenol	NS	NS	0.096 U	0.09 U	0.24 U	0.094 U	0.097 U	0.45 U
4-Bromophenyl phenyl ether	NS	NS	0.048 U	0.045 U	0.12 U	0.047 U	0.049 U	0.23 U
4-Chloro-3-methylphenol	NS	NS	0.048 U	0.045 U	0.12 U	0.047 U	0.049 U	0.23 U
4-Chloroaniline	NS	NS	0.048 U	0.045 U	0.12 U	0.047 U	0.049 U	0.23 U
4-Chlorophenyl phenyl ether	NS	NS	0.048 U	0.045 U	0.12 U	0.047 U	0.049 U	0.23 U
4-Nitroaniline	NS	NS	0.096 U	0.09 U	0.24 U	0.094 U	0.097 U	0.45 U
4-Nitrophenol	NS	NS	0.096 U	0.09 U	0.24 U	0.094 U	0.097 U	0.45 U
Acenaphthene	20	100	0.048 U	0.045 U	0.12 U	0.047 U	0.057 JD	0.23 U
Acenaphthylene	100	100	0.048 U	0.045 U	0.44 D	0.047 U	0.9 D	0.23 U
Acetophenone	NS	NS	0.048 U	0.045 U	0.12 U	0.047 U	0.049 U	0.23 U
Aniline	NS	NS	0.19 U	0.18 U	0.48 U	0.19 U	0.19 U	0.91 U
Anthracene	100	100	0.048 U	0.045 U	0.35 D	0.047 U	0.36 D	0.23 U
Atrazine	NS	NS	0.048 U	0.045 U	0.12 U	0.047 U	0.049 U	0.23 U
Benzaldehyde	NS	NS	0.048 U	0.045 U	0.12 U	0.047 U	0.049 U	0.23 U
Benzidine	NS	NS	0.19 U	0.18 U	0.48 U	0.19 U	0.19 U	0.91 U
Benzo(a)anthracene	1	1	0.074 JD	0.045 U	1.77 D	0.11 D	0.63 D	0.35 JD
Benzo(a)pyrene	1	1	0.054 JD	0.045 U	0.12 U	0.073 JD	0.4 D	0.23 U
Benzo(b)fluoranthene	1	1	0.061 JD	0.045 U	0.69 D	0.085 JD	0.55 D	0.23 U
Benzo(g,h,i)perylene	100	100	0.048 U	0.045 U	0.55 D	0.055 JD	1.07 D	0.23 U
Benzo(k)fluoranthene	0.8	3.9	0.056 JD	0.045 U	0.63 D	0.088 JD	0.4 D	0.23 U
Benzoic acid	NS	NS	0.048 U	0.045 U	0.12 U	0.047 U	0.049 U	0.23 U
Benzyl alcohol	NS	NS	0.048 U	0.045 U	0.12 U	0.047 U	0.049 U	0.23 U
Benzyl butyl phthalate	NS	NS	0.048 U	0.045 U	0.44 D	0.047 U	0.049 U	0.23 U
Bis(2-chloroethoxy)methane	NS	NS	0.048 U	0.045 U	0.12 U	0.047 U	0.049 U	0.23 U
Bis(2-chloroethyl)ether	NS	NS	0.048 U	0.045 U	0.12 U	0.047 U	0.049 U	0.23 U
Bis(2-chloroisopropyl)ether	NS	NS	0.048 U	0.045 U	0.12 U	0.047 U	0.049 U	0.23 U
Bis(2-ethylhexyl)phthalate	NS	NS	0.048 U	0.045 U	1.36 D	0.047 U	0.31 D	0.57 D
Caprolactam	NS	NS	0.096 U	0.09 U	0.24 U	0.094 U	0.097 U	0.45 U
Carbazole	NS	NS	0.048 U	0.045 U	0.12 U	0.047 U	0.26 D	0.23 U
Chrysene	1	3.9	0.077 JD	0.045 U	2.03 D	0.1 D	1.2 D	0.23 U
Dibenzo(a,h)anthracene	0.33	0.33	0.048 U	0.045 U	0.13 JD	0.047 U	0.22 D	0.23 U
Dibenzofuran	7	59	0.048 U	0.045 U	0.12 U	0.047 U	0.049 U	0.23 U
Diethyl phthalate	NS	NS	0.048 U	0.045 U	0.12 U	0.047 U	0.049 U	0.23 U
Dimethyl phthalate	NS	NS	0.048 U	0.045 U	0.12 U	0.047 U	0.049 U	0.23 U
Di-n-butyl phthalate	NS	NS	0.048 U	0.045 U	1.28 D	0.047 U	0.049 U	0.23 U
Di-n-octyl phthalate	NS	NS	0.048 U	0.045 U	0.12 U	0.047 U	0.049 U	0.23 U
Fluoranthene	100	100	0.18 D	0.045 U	3.31 D	0.2 D	1.29 D	0.7 D
Fluorene	30	100	0.048 U	0.045 U	0.12 U	0.047 U	0.16 D	0.23 U
Hexachlorobenzene	0.33	1.2	0.048 U	0.045 U	0.12 U	0.047 U	0.049 U	0.23 U
Hexachlorobutadiene	NS	NS	0.048 U	0.045 U	0.12 U	0.047 U	0.049 U	0.23 U
Hexachlorocyclopentadiene	NS	NS	0.048 U	0.045 U	0.12 U	0.047 U	0.049 U	0.23 U
Hexachloroethane	NS	NS	0.048 U	0.045 U	0.12 U	0.047 U	0.049 U	0.23 U
Indeno(1,2,3-cd)pyrene	0.5	0.5	0.048 U	0.045 U	0.57 D	0.047 U	0.83 D	0.23 U
Isophorone	NS	NS	0.048 U	0.045 U	0.12 U	0.047 U	0.049 U	0.23 U
Naphthalene	12	100	0.048 U	0.045 U	0.12 U	0.047 U	0.049 U	0.8 D
Nitrobenzene	NS	NS	0.048 U	0.045 U	0.12 U	0.047 U	0.049 U	0.23 U
N-Nitrosodimethylamine	NS	NS	0.048 U	0.045 U	0.12 U	0.047 U	0.049 U	0.23 U
N-nitroso-di-n-propylamine	NS	NS	0.048 U	0.045 U	0.12 U	0.047 U	0.049 U	0.23 U
N-Nitrosodiphenylamine	NS	NS	0.048 U	0.045 U	0.12 U	0.047 U	0.049 U	0.23 U
Pentachlorophenol	0.8	6.7	0.048 U	0.045 U	0.12 U	0.047 U	0.049 U	0.23 U
Phenanthrene	100	100	0.15 D	0.045 U	1.58 D	0.15 D	1.01 D	10.4 D
Phenol	0.33	100	0.048 U	0.045 U	0.12 U	0.047 U	0.049 U	0.23 U
Pyrene	100	100	0.14 D	0.045 U	5.94 D	0.16 D	1.68 D	2.78 D

Table 2
1678 and 1700 Park Avenue
New York, NY

Remedial Investigation Soil Analytical Results
Semi-Volatile Organic Compounds

Client ID Lab Sample ID Date Sampled Dilution	NYSDEC Part 375 Unrestricted SCO	NYSDEC Part 375 Restricted Residential SCO	SB-4 (1'-2') 16H0470-03 8/9/2016 2	SB-4 (1'-15') 16H0470-04 8/9/2016 2	SB-5 (1'-2') 16H0404-05 8/8/2016 5	SB-5 (12'-13') 16H0404-06 8/8/2016 2	SB-6 (1'-2') 16H0470-05 8/8/2016 2	SB-7 (1'-2') 16H0470-06 8/9/2016 2
mg/kg	mg/kg	mg/kg						
1,1'-Biphenyl	NS	NS	0.049 U	0.045 U	0.13 U	0.046 U	0.046 U	0.046 U
1,2,4,5-Tetrachlorobenzene	NS	NS	0.099 U	0.09 U	0.25 U	0.092 U	0.092 U	0.091 U
1,2,4-Trichlorobenzene	NS	NS	0.049 U	0.045 U	0.13 U	0.046 U	0.046 U	0.046 U
1,2-Dichlorobenzene	1.1	100	0.049 U	0.045 U	0.13 U	0.046 U	0.046 U	0.046 U
1,2-Diphenylhydrazine (as Azobenzene)	NS	NS	0.049 U	0.045 U	0.13 U	0.046 U	0.046 U	0.046 U
1,3-Dichlorobenzene	2.4	49	0.049 U	0.045 U	0.13 U	0.046 U	0.046 U	0.046 U
1,4-Dichlorobenzene	1.8	13	0.049 U	0.045 U	0.13 U	0.046 U	0.046 U	0.046 U
2,3,4,6-Tetrachlorophenol	NS	NS	0.099 U	0.09 U	0.25 U	0.092 U	0.092 U	0.091 U
2,4,5-Trichlorophenol	NS	NS	0.049 U	0.045 U	0.13 U	0.046 U	0.046 U	0.046 U
2,4,6-Trichlorophenol	NS	NS	0.049 U	0.045 U	0.13 U	0.046 U	0.046 U	0.046 U
2,4-Dichlorophenol	NS	NS	0.049 U	0.045 U	0.13 U	0.046 U	0.046 U	0.046 U
2,4-Dimethylphenol	NS	NS	0.049 U	0.045 U	0.13 U	0.046 U	0.046 U	0.046 U
2,4-Dinitrophenol	NS	NS	0.099 U	0.09 U	0.25 U	0.092 U	0.092 U	0.091 U
2,4-Dinitrotoluene	NS	NS	0.049 U	0.045 U	0.13 U	0.046 U	0.046 U	0.046 U
2,6-Dinitrotoluene	NS	NS	0.049 U	0.045 U	0.13 U	0.046 U	0.046 U	0.046 U
2-Chloronaphthalene	NS	NS	0.049 U	0.045 U	0.13 U	0.046 U	0.046 U	0.046 U
2-Chlorophenol	NS	NS	0.049 U	0.045 U	0.13 U	0.046 U	0.046 U	0.046 U
2-Methylnaphthalene	NS	NS	0.049 U	0.045 U	0.13 U	0.046 U	0.046 U	0.046 U
2-Methylphenol	0.33	100	0.049 U	0.045 U	0.13 U	0.046 U	0.046 U	0.046 U
2-Nitroaniline	NS	NS	0.099 U	0.09 U	0.25 U	0.092 U	0.092 U	0.091 U
2-Nitrophenol	NS	NS	0.049 U	0.045 U	0.13 U	0.046 U	0.046 U	0.046 U
3- & 4-Methylphenols	0.33	100	0.049 U	0.045 U	0.13 U	0.046 U	0.046 U	0.046 U
3,3'-Dichlorobenzidine	NS	NS	0.049 U	0.045 U	0.13 U	0.046 U	0.046 U	0.046 U
3-Nitroaniline	NS	NS	0.099 U	0.09 U	0.25 U	0.092 U	0.092 U	0.091 U
4,6-Dinitro-2-methylphenol	NS	NS	0.099 U	0.09 U	0.25 U	0.092 U	0.092 U	0.091 U
4-Bromophenyl phenyl ether	NS	NS	0.049 U	0.045 U	0.13 U	0.046 U	0.046 U	0.046 U
4-Chloro-3-methylphenol	NS	NS	0.049 U	0.045 U	0.13 U	0.046 U	0.046 U	0.046 U
4-Chloroaniline	NS	NS	0.049 U	0.045 U	0.13 U	0.046 U	0.046 U	0.046 U
4-Chlorophenyl phenyl ether	NS	NS	0.049 U	0.045 U	0.13 U	0.046 U	0.046 U	0.046 U
4-Nitroaniline	NS	NS	0.099 U	0.09 U	0.25 U	0.092 U	0.092 U	0.091 U
4-Nitrophenol	NS	NS	0.099 U	0.09 U	0.25 U	0.092 U	0.092 U	0.091 U
Acenaphthene	20	100	0.15 D	0.045 U	0.13 U	0.046 U	0.046 U	0.046 U
Acenaphthylene	100	100	0.34 D	0.045 U	0.13 U	0.046 U	0.046 U	0.6 D
Acetophenone	NS	NS	0.049 U	0.045 U	0.13 U	0.046 U	0.046 U	0.046 U
Aniline	NS	NS	0.2 U	0.18 U	0.5 U	0.18 U	0.19 U	0.18 U
Anthracene	100	100	0.57 D	0.045 U	0.13 U	0.046 U	0.046 U	0.28 D
Atrazine	NS	NS	0.049 U	0.045 U	0.13 U	0.046 U	0.046 U	0.046 U
Benzaldehyde	NS	NS	0.049 U	0.045 U	0.13 U	0.046 U	0.046 U	0.046 U
Benzidine	NS	NS	0.2 U	0.18 U	0.5 U	0.18 U	0.19 U	0.18 U
Benzo(a)anthracene	1	1	1.85 D	0.045 U	0.25 JD	0.046 U	0.12 D	1.69 D
Benzo(a)pyrene	1	1	0.66 D	0.045 U	0.13 U	0.046 U	0.08 JD	0.17 D
Benzo(b)fluoranthene	1	1	1.03 D	0.045 U	0.13 U	0.046 U	0.11 D	1.1 D
Benzo(g,h,i)perylene	100	100	0.4 D	0.045 U	0.13 U	0.046 U	0.093 D	0.51 D
Benzo(k)fluoranthene	0.8	3.9	0.71 D	0.045 U	0.13 U	0.046 U	0.085 JD	0.88 D
Benzoic acid	NS	NS	0.049 U	0.045 U	0.13 U	0.046 U	0.046 U	0.046 U
Benzyl alcohol	NS	NS	0.049 U	0.045 U	0.13 U	0.046 U	0.046 U	0.046 U
Benzyl butyl phthalate	NS	NS	0.049 U	0.045 U	0.13 U	0.046 U	0.046 U	0.046 U
Bis(2-chloroethoxy)methane	NS	NS	0.049 U	0.045 U	0.13 U	0.046 U	0.046 U	0.046 U
Bis(2-chloroethyl)ether	NS	NS	0.049 U	0.045 U	0.13 U	0.046 U	0.046 U	0.046 U
Bis(2-chloroisopropyl)ether	NS	NS	0.049 U	0.045 U	0.13 U	0.046 U	0.046 U	0.046 U
Bis(2-ethylhexyl)phthalate	NS	NS	0.5 D	0.045 U	0.13 U	0.046 U	0.046 U	0.19 D
Caprolactam	NS	NS	0.099 U	0.09 U	0.25 U	0.092 U	0.092 U	0.091 U
Carbazole	NS	NS	0.35 D	0.045 U	0.13 U	0.046 U	0.046 U	0.16 D
Chrysene	1	3.9	1.67 D	0.045 U	0.23 JD	0.046 U	0.16 D	2.1 D
Dibenzo(a,h)anthracene	0.33	0.33	0.15 D	0.045 U	0.13 U	0.046 U	0.046 U	0.22 D
Dibenzofuran	7	59	0.15 D	0.045 U	0.13 U	0.046 U	0.046 U	0.046 U
Diethyl phthalate	NS	NS	0.049 U	0.045 U	0.13 U	0.046 U	0.046 U	0.046 U
Dimethyl phthalate	NS	NS	0.049 U	0.045 U	0.13 U	0.046 U	0.046 U	0.046 U
Di-n-butyl phthalate	NS	NS	0.049 U	0.045 U	0.13 U	0.046 U	0.046 U	0.046 U
Di-n-octyl phthalate	NS	NS	0.049 U	0.045 U	0.13 U	0.046 U	0.046 U	0.046 U
Fluoranthene	100	100	3.14 D	0.045 U	0.36 D	0.046 U	0.25 D	3.85 D
Fluorene	30	100	0.3 D	0.045 U	0.13 U	0.046 U	0.046 U	0.089 JD
Hexachlorobenzene	0.33	1.2	0.049 U	0.045 U	0.13 U	0.046 U	0.046 U	0.046 U
Hexachlorobutadiene	NS	NS	0.049 U	0.045 U	0.13 U	0.046 U	0.046 U	0.046 U
Hexachlorocyclopentadiene	NS	NS	0.049 U	0.045 U	0.13 U	0.046 U	0.046 U	0.046 U
Hexachloroethane	NS	NS	0.049 U	0.045 U	0.13 U	0.046 U	0.046 U	0.046 U
Indeno(1,2,3-cd)pyrene	0.5	0.5	0.4 D	0.045 U	0.13 U	0.046 U	0.082 JD	0.57 D
Isophorone	NS	NS	0.049 U	0.045 U	0.13 U	0.046 U	0.046 U	0.046 U
Naphthalene	12	100	0.073 JD	0.045 U	0.13 U	0.046 U	0.046 U	0.046 U
Nitrobenzene	NS	NS	0.049 U	0.045 U	0.13 U	0.046 U	0.046 U	0.046 U
N-Nitrosodimethylamine	NS	NS	0.049 U	0.045 U	0.13 U	0.046 U	0.046 U	0.046 U
N-nitroso-di-n-propylamine	NS	NS	0.049 U	0.045 U	0.13 U	0.046 U	0.046 U	0.046 U
N-Nitrosodiphenylamine	NS	NS	0.049 U	0.045 U	0.13 U	0.046 U	0.046 U	0.046 U
Pentachlorophenol	0.8	6.7	0.049 U	0.045 U	0.13 U	0.046 U	0.046 U	0.046 U
Phenanthrene	100	100	2.12 D	0.045 U	0.19 JD	0.046 U	0.17 D	1.64 D
Phenol	0.33	100	0.049 U	0.045 U	0.13 U	0.046 U	0.046 U	0.046 U
Pyrene	100	100	3.35 D	0.045 U	0.56 D	0.046 U	0.19 D	3.36 D

Table 2
1678 and 1700 Park Avenue
New York, NY

Remedial Investigation Soil Analytical Results
Semi-Volatile Organic Compounds

Client ID Lab Sample ID Date Sampled Dilution	NYSDEC Part 375 Unrestricted SCO	NYSDEC Part 375 Restricted Residential SCO	SB-7 (8'-9') 16H0470-07 8/9/2016 2	SB-8 (1'-2') 16H0538-04 8/10/2016 2	SB-8 (8'-9') 16H0538-05 8/10/2016 2	SB-9 (4'-5') 16H0538-01 8/10/2016 2	SB-9 (8'-9') 16H0538-02 8/10/2016 2	SB-10 (1'-2') 16H0538-06 8/10/2016 5
mg/kg	mg/kg	mg/kg						
1,1'-Biphenyl	NS	NS	0.048 U	0.07 U	0.069 U	0.07 U	0.069 U	0.17 U
1,2,4,5-Tetrachlorobenzene	NS	NS	0.096 U	0.14 U	0.14 U	0.14 U	0.14 U	0.34 U
1,2,4-Trichlorobenzene	NS	NS	0.048 U	0.07 U	0.069 U	0.07 U	0.069 U	0.17 U
1,2-Dichlorobenzene	1.1	100	0.048 U	0.07 U	0.069 U	0.07 U	0.069 U	0.17 U
1,2-Diphenylhydrazine (as Azobenzene)	NS	NS	0.048 U	0.07 U	0.069 U	0.07 U	0.069 U	0.17 U
1,3-Dichlorobenzene	2.4	49	0.048 U	0.07 U	0.069 U	0.07 U	0.069 U	0.17 U
1,4-Dichlorobenzene	1.8	13	0.048 U	0.07 U	0.069 U	0.07 U	0.069 U	0.17 U
2,3,4,6-Tetrachlorophenol	NS	NS	0.096 U	0.14 U	0.14 U	0.14 U	0.14 U	0.34 U
2,4,5-Trichlorophenol	NS	NS	0.048 U	0.07 U	0.069 U	0.07 U	0.069 U	0.17 U
2,4,6-Trichlorophenol	NS	NS	0.048 U	0.07 U	0.069 U	0.07 U	0.069 U	0.17 U
2,4-Dichlorophenol	NS	NS	0.048 U	0.07 U	0.069 U	0.07 U	0.069 U	0.17 U
2,4-Dimethylphenol	NS	NS	0.048 U	0.07 U	0.069 U	0.07 U	0.069 U	0.17 U
2,4-Dinitrophenol	NS	NS	0.096 U	0.14 U	0.14 U	0.14 U	0.14 U	0.34 U
2,4-Dinitrotoluene	NS	NS	0.048 U	0.07 U	0.069 U	0.07 U	0.069 U	0.17 U
2,6-Dinitrotoluene	NS	NS	0.048 U	0.07 U	0.069 U	0.07 U	0.069 U	0.17 U
2-Chloronaphthalene	NS	NS	0.048 U	0.07 U	0.069 U	0.07 U	0.069 U	0.17 U
2-Chlorophenol	NS	NS	0.048 U	0.07 U	0.069 U	0.07 U	0.069 U	0.17 U
2-Methylnaphthalene	NS	NS	0.048 U	0.07 U	0.069 U	0.07 U	0.069 U	0.17 U
2-Methylphenol	0.33	100	0.048 U	0.07 U	0.069 U	0.07 U	0.069 U	0.17 U
2-Nitroaniline	NS	NS	0.096 U	0.14 U	0.14 U	0.14 U	0.14 U	0.34 U
2-Nitrophenol	NS	NS	0.048 U	0.07 U	0.069 U	0.07 U	0.069 U	0.17 U
3- & 4-Methylphenols	0.33	100	0.048 U	0.07 U	0.069 U	0.07 U	0.069 U	0.17 U
3,3'-Dichlorobenzidine	NS	NS	0.048 U	0.07 U	0.069 U	0.07 U	0.069 U	0.17 U
3-Nitroaniline	NS	NS	0.096 U	0.14 U	0.14 U	0.14 U	0.14 U	0.34 U
4,6-Dinitro-2-methylphenol	NS	NS	0.096 U	0.14 U	0.14 U	0.14 U	0.14 U	0.34 U
4-Bromophenyl phenyl ether	NS	NS	0.048 U	0.07 U	0.069 U	0.07 U	0.069 U	0.17 U
4-Chloro-3-methylphenol	NS	NS	0.048 U	0.07 U	0.069 U	0.07 U	0.069 U	0.17 U
4-Chloroaniline	NS	NS	0.048 U	0.07 U	0.069 U	0.07 U	0.069 U	0.17 U
4-Chlorophenyl phenyl ether	NS	NS	0.048 U	0.07 U	0.069 U	0.07 U	0.069 U	0.17 U
4-Nitroaniline	NS	NS	0.096 U	0.14 U	0.14 U	0.14 U	0.14 U	0.34 U
4-Nitrophenol	NS	NS	0.096 U	0.14 U	0.14 U	0.14 U	0.14 U	0.34 U
Acenaphthene	20	100	0.048 U	0.07 U	0.069 U	0.07 U	0.069 U	0.17 U
Acenaphthylene	100	100	0.048 U	0.07 U	0.069 U	0.16 D	0.069 U	0.17 U
Acetophenone	NS	NS	0.048 U	0.07 U	0.069 U	0.07 U	0.069 U	0.17 U
Aniline	NS	NS	0.19 U	0.28 U	0.28 U	0.28 U	0.28 U	0.67 U
Anthracene	100	100	0.048 U	0.086 JD	0.069 U	0.19 D	0.069 U	0.17 U
Atrazine	NS	NS	0.048 U	0.07 U	0.069 U	0.07 U	0.069 U	0.17 U
Benzaldehyde	NS	NS	0.048 U	0.07 U	0.069 U	0.07 U	0.069 U	0.17 U
Benzidine	NS	NS	0.19 U	0.28 U	0.28 U	0.28 U	0.28 U	0.67 U
Benzo(a)anthracene	1	1	0.048 U	0.39 D	0.069 U	0.74 D	0.069 U	0.32 JD
Benzo(a)pyrene	1	1	0.048 U	0.19 D	0.069 U	0.4 D	0.069 U	0.17 U
Benzo(b)fluoranthene	1	1	0.048 U	0.24 D	0.069 U	0.4 D	0.069 U	0.17 U
Benzo(g,h,i)perylene	100	100	0.048 U	0.15 D	0.069 U	0.37 D	0.069 U	0.17 U
Benzo(k)fluoranthene	0.8	3.9	0.048 U	0.2 D	0.069 U	0.53 D	0.069 U	0.17 U
Benzoic acid	NS	NS	0.048 U	0.07 U	0.069 U	0.07 U	0.069 U	0.17 U
Benzyl alcohol	NS	NS	0.048 U	0.07 U	0.069 U	0.07 U	0.069 U	0.17 U
Benzyl butyl phthalate	NS	NS	0.048 U	0.07 U	0.069 U	0.07 U	0.069 U	0.17 U
Bis(2-chloroethoxy)methane	NS	NS	0.048 U	0.07 U	0.069 U	0.07 U	0.069 U	0.17 U
Bis(2-chloroethyl)ether	NS	NS	0.048 U	0.07 U	0.069 U	0.07 U	0.069 U	0.17 U
Bis(2-chloroisopropyl)ether	NS	NS	0.048 U	0.07 U	0.069 U	0.07 U	0.069 U	0.17 U
Bis(2-ethylhexyl)phthalate	NS	NS	0.048 U	0.07 U	0.069 U	0.079 JD	0.069 U	0.17 U
Caprolactam	NS	NS	0.096 U	0.14 U	0.14 U	0.14 U	0.14 U	0.34 U
Carbazole	NS	NS	0.048 U	0.07 U	0.069 U	0.07 U	0.069 U	0.17 U
Chrysene	1	3.9	0.048 U	0.37 D	0.069 U	0.73 D	0.069 U	0.39 D
Dibenzo(a,h)anthracene	0.33	0.33	0.048 U	0.07 U	0.069 U	0.19 D	0.069 U	0.17 U
Dibenzofuran	7	59	0.048 U	0.07 U	0.069 U	0.07 U	0.069 U	0.17 U
Diethyl phthalate	NS	NS	0.048 U	0.07 U	0.069 U	0.07 U	0.069 U	0.17 U
Dimethyl phthalate	NS	NS	0.048 U	0.07 U	0.069 U	0.07 U	0.069 U	0.17 U
Di-n-butyl phthalate	NS	NS	0.048 U	0.07 U	0.069 U	0.07 U	0.069 U	0.17 U
Di-n-octyl phthalate	NS	NS	0.048 U	0.07 U	0.069 U	0.07 U	0.069 U	0.17 U
Fluoranthene	100	100	0.048 U	0.7 D	0.069 U	1.55 D	0.069 U	0.84 D
Fluorene	30	100	0.048 U	0.07 U	0.069 U	0.07 U	0.069 U	0.17 U
Hexachlorobenzene	0.33	1.2	0.048 U	0.07 U	0.069 U	0.07 U	0.069 U	0.17 U
Hexachlorobutadiene	NS	NS	0.048 U	0.07 U	0.069 U	0.07 U	0.069 U	0.17 U
Hexachlorocyclopentadiene	NS	NS	0.048 U	0.07 U	0.069 U	0.07 U	0.069 U	0.17 U
Hexachloroethane	NS	NS	0.048 U	0.07 U	0.069 U	0.07 U	0.069 U	0.17 U
Indeno(1,2,3-cd)pyrene	0.5	0.5	0.048 U	0.13 JD	0.069 U	0.33 D	0.069 U	0.17 U
Isophorone	NS	NS	0.048 U	0.07 U	0.069 U	0.07 U	0.069 U	0.17 U
Naphthalene	12	100	0.048 U	0.07 U	0.069 U	0.07 U	0.069 U	0.17 U
Nitrobenzene	NS	NS	0.048 U	0.07 U	0.069 U	0.07 U	0.069 U	0.17 U
N-Nitrosodimethylamine	NS	NS	0.048 U	0.07 U	0.069 U	0.07 U	0.069 U	0.17 U
N-nitroso-di-n-propylamine	NS	NS	0.048 U	0.07 U	0.069 U	0.07 U	0.069 U	0.17 U
N-Nitrosodiphenylamine	NS	NS	0.048 U	0.07 U	0.069 U	0.07 U	0.069 U	0.17 U
Pentachlorophenol	0.8	6.7	0.048 U	0.07 U	0.069 U	0.07 U	0.069 U	0.17 U
Phenanthrene	100	100	0.048 U	0.3 D	0.069 U	0.7 D	0.069 U	0.6 D
Phenol	0.33	100	0.048 U	0.07 U	0.069 U	0.07 U	0.069 U	0.17 U
Pyrene	100	100	0.048 U	0.68 D	0.069 U	1.33 D	0.069 U	1.1 D

Table 2
1678 and 1700 Park Avenue
New York, NY

Remedial Investigation Soil Analytical Results
Semi-Volatile Organic Compounds

Client ID	NYSDEC Part 375 Unrestricted SCO	NYSDEC Part 375 Restricted Residential SCO	SB-10 (8'-9') 16H0538-07 8/10/2016 2	SB-11 (1'-2') 16H0470-08 8/9/2016 2	SB-11 (7'-8') 16H0470-09 8/9/2016 2
Lab Sample ID					
Date Sampled					
Dilution					
mg/kg	mg/kg	mg/kg			
1,1'-Biphenyl	NS	NS	0.066 U	0.046 U	0.045 U
1,2,4,5-Tetrachlorobenzene	NS	NS	0.13 U	0.092 U	0.09 U
1,2,4-Trichlorobenzene	NS	NS	0.066 U	0.046 U	0.045 U
1,2-Dichlorobenzene	1.1	100	0.066 U	0.046 U	0.045 U
1,2-Diphenylhydrazine (as Azobenzene)	NS	NS	0.066 U	0.046 U	0.045 U
1,3-Dichlorobenzene	2.4	49	0.066 U	0.046 U	0.045 U
1,4-Dichlorobenzene	1.8	13	0.066 U	0.046 U	0.045 U
2,3,4,6-Tetrachlorophenol	NS	NS	0.13 U	0.092 U	0.09 U
2,4,5-Trichlorophenol	NS	NS	0.066 U	0.046 U	0.045 U
2,4,6-Trichlorophenol	NS	NS	0.066 U	0.046 U	0.045 U
2,4-Dichlorophenol	NS	NS	0.066 U	0.046 U	0.045 U
2,4-Dimethylphenol	NS	NS	0.066 U	0.046 U	0.045 U
2,4-Dinitrophenol	NS	NS	0.13 U	0.092 U	0.09 U
2,4-Dinitrotoluene	NS	NS	0.066 U	0.046 U	0.045 U
2,6-Dinitrotoluene	NS	NS	0.066 U	0.046 U	0.045 U
2-Chloronaphthalene	NS	NS	0.066 U	0.046 U	0.045 U
2-Chlorophenol	NS	NS	0.066 U	0.046 U	0.045 U
2-Methylnaphthalene	NS	NS	0.066 U	0.046 U	0.045 U
2-Methylphenol	0.33	100	0.066 U	0.046 U	0.045 U
2-Nitroaniline	NS	NS	0.13 U	0.092 U	0.09 U
2-Nitrophenol	NS	NS	0.066 U	0.046 U	0.045 U
3- & 4-Methylphenols	0.33	100	0.066 U	0.046 U	0.045 U
3,3'-Dichlorobenzidine	NS	NS	0.066 U	0.046 U	0.045 U
3-Nitroaniline	NS	NS	0.13 U	0.092 U	0.09 U
4,6-Dinitro-2-methylphenol	NS	NS	0.13 U	0.092 U	0.09 U
4-Bromophenyl phenyl ether	NS	NS	0.066 U	0.046 U	0.045 U
4-Chloro-3-methylphenol	NS	NS	0.066 U	0.046 U	0.045 U
4-Chloroaniline	NS	NS	0.066 U	0.046 U	0.045 U
4-Chlorophenyl phenyl ether	NS	NS	0.066 U	0.046 U	0.045 U
4-Nitroaniline	NS	NS	0.13 U	0.092 U	0.09 U
4-Nitrophenol	NS	NS	0.13 U	0.092 U	0.09 U
Acenaphthene	20	100	0.066 U	0.046 U	0.045 U
Acenaphthylene	100	100	0.066 U	0.073 JD	0.045 U
Acetophenone	NS	NS	0.066 U	0.046 U	0.045 U
Aniline	NS	NS	0.27 U	0.18 U	0.18 U
Anthracene	100	100	0.066 U	0.071 JD	0.045 U
Atrazine	NS	NS	0.066 U	0.046 U	0.045 U
Benzaldehyde	NS	NS	0.066 U	0.046 U	0.045 U
Benidine	NS	NS	0.27 U	0.18 U	0.18 U
Benzo(a)anthracene	1	1	0.066 U	0.26 D	0.045 U
Benzo(a)pyrene	1	1	0.066 U	0.11 D	0.045 U
Benzo(b)fluoranthene	1	1	0.066 U	0.18 D	0.045 U
Benzo(g,h,i)perylene	100	100	0.066 U	0.11 D	0.045 U
Benzo(k)fluoranthene	0.8	3.9	0.066 U	0.13 D	0.045 U
Benzoic acid	NS	NS	0.066 U	0.046 U	0.045 U
Benzyl alcohol	NS	NS	0.066 U	0.046 U	0.045 U
Benzyl butyl phthalate	NS	NS	0.066 U	0.046 U	0.045 U
Bis(2-chloroethoxy)methane	NS	NS	0.066 U	0.046 U	0.045 U
Bis(2-chloroethyl)ether	NS	NS	0.066 U	0.046 U	0.045 U
Bis(2-chloroisopropyl)ether	NS	NS	0.066 U	0.046 U	0.045 U
Bis(2-ethylhexyl)phthalate	NS	NS	0.066 U	0.27 D	3.81 D
Caprolactam	NS	NS	0.13 U	0.092 U	0.09 U
Carbazole	NS	NS	0.066 U	0.06 JD	0.045 U
Chrysene	1	3.9	0.066 U	0.32 D	0.045 U
Dibenzo(a,h)anthracene	0.33	0.33	0.066 U	0.046 U	0.045 U
Dibenzofuran	7	59	0.066 U	0.046 U	0.045 U
Diethyl phthalate	NS	NS	0.066 U	0.046 U	0.045 U
Dimethyl phthalate	NS	NS	0.066 U	0.046 U	0.045 U
Di-n-butyl phthalate	NS	NS	0.066 U	0.046 U	0.045 U
Di-n-octyl phthalate	NS	NS	0.066 U	0.046 U	0.045 U
Fluoranthene	100	100	0.066 U	0.71 D	0.045 U
Fluorene	30	100	0.066 U	0.046 U	0.045 U
Hexachlorobenzene	0.33	1.2	0.066 U	0.046 U	0.045 U
Hexachlorobutadiene	NS	NS	0.066 U	0.046 U	0.045 U
Hexachlorocyclopentadiene	NS	NS	0.066 U	0.046 U	0.045 U
Hexachloroethane	NS	NS	0.066 U	0.046 U	0.045 U
Indeno(1,2,3-cd)pyrene	0.5	0.5	0.066 U	0.11 D	0.045 U
Isophorone	NS	NS	0.066 U	0.046 U	0.045 U
Naphthalene	12	100	0.066 U	0.046 U	0.045 U
Nitrobenzene	NS	NS	0.066 U	0.046 U	0.045 U
N-Nitrosodimethylamine	NS	NS	0.066 U	0.046 U	0.045 U
N-nitroso-di-n-propylamine	NS	NS	0.066 U	0.046 U	0.045 U
N-Nitrosodiphenylamine	NS	NS	0.066 U	0.046 U	0.045 U
Pentachlorophenol	0.8	6.7	0.066 U	0.046 U	0.045 U
Phenanthrene	100	100	0.066 U	0.36 D	0.045 U
Phenol	0.33	100	0.066 U	0.046 U	0.045 U
Pyrene	100	100	0.066 U	0.58 D	0.045 U

Table 3
1678 and 1700 Park Avenue
New York, NY
Remedial Investigation Soil Analytical Results
Metals

Client ID	NYSDEC Part 375	NYSDEC Part 375	SB-1 (1'-2')	SB-1 (8'-9')	SB-2 (1'-2')	SB-2 (8'-9')	SB-3 (2'-3')	SB-3 (9'-10')	SB-4 (1'-2')
Lab Sample ID	Unrestricted	Restricted	16H0404-01	16H0404-02	16H0404-03	16H0404-04	16H0470-01	16H0470-02	16H0470-03
Date Sampled			8/8/2016	8/8/2016	8/8/2016	8/8/2016	8/9/2016	8/9/2016	8/9/2016
Dilution	SCO	Residential SCO	1	1	1	1/100 †	1	1	1
mg/kg	mg/kg	mg/kg							
Aluminum	NS	NS	15,500 B	16,600 B	9,400 B	19,000 B	4,070	7,400	19,100
Antimony	NS	NS	0.58 U	0.54 U	0.57 U	0.57 U	0.7	0.54 U	0.59 U
Arsenic	13	16	4.15	1.29	3.67	3.36	5.22	1.6	5.98
Barium	350	400	113	137	348	561	1,340	49.9	151
Beryllium	7.2	72	0.12 U	0.11 U	0.12 U	0.11 U	0.12 U	0.11 U	0.12 U
Cadmium	2.5	4.3	0.35 U	0.33 U	0.68	1.1	1.12	0.37	0.35 U
Calcium	NS	NS	3,140	2,630	39,300	27,700	59,600	16,800	3,400
Chromium	30***	180***	23.5	33.3	27.1	37.8	16	14.9	27.3
Chromium, Hexavalent	1	110	0.58 U	0.54 U	0.57 U	0.57 U	0.58 U	0.54 U	0.59 U
Chromium, Trivalent	30	180	23.5	53.3	27.1	37.8	16	14.9	27.3
Cobalt	NS	NS	12.8	20.1	10.2	22.3	6.14	8.53	14.1
Copper	50	270	25.1	8.46	48.1	58.4	25	18.5	208
Cyanide, total	27	27	0.58 U	0.54 U	0.57 U	0.57 U	2.68	0.54 U	0.59 U
Iron	NS	NS	21,700	25,800	17,100	31,700	10,200	12,900	25,200
Lead	63	400	34.8	4.11	201	346	640	9.28	60.8
Magnesium	NS	NS	5,020	7,080	9,550	10,100	7,940	13,800	5,130
Manganese	1,600	2,000	268	149	218	276	175	303	1,380 E
Mercury	0.18	0.81	0.34	0.033 U	0.65	0.64	0.4	0.033 U	0.32
Nickel	30	310	20.6	34.5	19.5	30.5	12.7	14.7	23.7
Potassium	NS	NS	3,310	6,380	3,430	12,000 D	814	2,450	2,550
Selenium	3.9	180	2.32	3.5	1.77	3.4	1.16 U	1.09 U	3
Silver	2	180	0.58 U	0.54 U	0.57 U	0.57 U	0.58 U	0.54 U	0.59 U
Sodium	NS	NS	486	219	466	280	443	251	946
Thallium	NS	NS	1.15 U	1.08 U	1.15 U	1.13 U	1.16 U	1.09 U	1.18 U
Vanadium	NS	NS	34	43	40.9	55.2	22.6	24.1	41.7
Zinc	109	10,000	64.4	80.6	194	549	708	105	195

† Dilution factor varies

Table 3
1678 and 1700 Park Avenue
New York, NY
Remedial Investigation Soil Analytical Results
Metals

Client ID	NYSDEC	NYSDEC	SB-4 (14'-15')	SB-5 (1'-2')	SB-5 (12'-13')	SB-6 (1'-2')	SB-7 (1'-2')	SB-7 (8'-9')	SB-8 (1'-2')
Lab Sample ID	Part 375	Part 375	16H0470-04	16H0404-05	16H0404-06	16H0470-05	16H0470-06	16H0470-07	16H0538-04
Date Sampled	Unrestricted	Restricted	8/9/2016	8/8/2016	8/8/2016	8/9/2016	8/9/2016	8/9/2016	8/10/2016
Dilution	SCO	Residential	1	1	1	1	1	1	1
	SCO	SCO							
mg/kg	mg/kg	mg/kg							
Aluminum	NS	NS	11,600	14,300 B	7,810 B	7,070	7,280	6,350	9,710
Antimony	NS	NS	0.54 U	0.6 U	0.55 U	0.55 U	0.55 U	0.58 U	0.56 U
Arsenic	13	16	1.29	3.72	1.45	2.11	5.14	4.57	6.1
Barium	350	400	140	168	34.7	79.1	431	628	101
Beryllium	7.2	72	0.11 U	0.12 U	0.11 U	0.11 U	0.11 U	0.12 U	0.11 U
Cadmium	2.5	4.3	0.32 U	0.88	0.33 U	0.33 U	0.58	2.35	0.51
Calcium	NS	NS	1,010	15,400	38,700	30,700	46,500	67,500	70,400
Chromium	30***	180***	21.6	26.1	12.6	11.4	18.4	15.7	24.6
Chromium, Hexavalent	1	110	0.54 U	0.6 U	0.55 U	0.55 U	0.55 U	0.58 U	0.84
Chromium, Trivalent	30	180	21.6	26.1	12.6	11.4	18.4	15.7	23.8
Cobalt	NS	NS	15.3	12.8	8.13	6.53	6.96	6.21	7.64
Copper	50	270	22.8	58.2	23.4	8.54	36.5	43.6	33.3
Cyanide, total	27	27	0.54 U	0.6 U	0.55 U	0.55 U	0.55 U	0.58 U	0.56 U
Iron	NS	NS	23,600	19,500	12,500	11,900	12,300	9,530	15,900
Lead	63	400	5.17	67.5	4.9	10.3	222	298	61.7
Magnesium	NS	NS	5,020	8,900	25,600	9,550	8,650	7,110	8,370
Manganese	1,600	2,000	522	387	154	531	202	394	234
Mercury	0.18	0.81	0.032 U	0.24	0.033 U	0.08	0.25	0.27	0.1
Nickel	30	310	24.3	27.8	15.1	13.3	15.1	13.2	19
Potassium	NS	NS	5,940	2,650	1,940	2,580	2,440	975	2,490
Selenium	3.9	180	3.42	3.37	1.4	1.11 U	1.09 U	1.6	1.16
Silver	2	180	0.54 U	0.6 U	0.55 U	0.55 U	0.55 U	0.58 U	0.56 U
Sodium	NS	NS	199	274	240	354	428	357	520
Thallium	NS	NS	1.08 U	1.19 U	1.1 U	1.11 U	1.09 U	1.15 U	1.11 U
Vanadium	NS	NS	37	37.4	22.6	18	28.8	14.1	28
Zinc	109	10,000	74.1	349	48.3	30.5	176	781	84

† Dilution factor varies

Table 3
1678 and 1700 Park Avenue
New York, NY
Remedial Investigation Soil Analytical Results
Metals

Client ID	NYSDEC	NYSDEC	SB-8 (8'-9')	SB-9 (4'-5')	SB-9 (8'-9')	SB-10 (1'-2')	SB-10 (8'-9')	SB-11 (1'-2')	SB-11 (7'-8')
Lab Sample ID	Part 375	Part 375	16H0538-05	16H0538-01	16H0538-02	16H0538-06	16H0538-07	16H0470-08	16H0470-09
Date Sampled	Unrestricted	Restricted	8/10/2016	8/10/2016	8/10/2016	8/10/2016	8/10/2016	8/9/2016	8/9/2016
Dilution	SCO	Residential	1	1	1	1	1/100 †	1	1
mg/kg	mg/kg	mg/kg							
Aluminum	NS	NS	9,380	10,000	8,470	7,440	22,600	6,630	8,250
Antimony	NS	NS	0.55 U	0.56 U	0.55 U	0.54 U	0.53 U	0.55 U	0.54 U
Arsenic	13	16	3.9	6.5	2.56	4.2	1.06 U	4.48	2.05
Barium	350	400	114	132	51	54.3	320	139	107
Beryllium	7.2	72	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
Cadmium	2.5	4.3	0.98	0.76	0.35	0.57	0.87	0.47	0.37
Calcium	NS	NS	55,700	56,100	23,500	82,900	15,100	30,900	23,600
Chromium	30***	180***	15	24.3	16.7	13.5	41.1	21.2	14.2
Chromium, Hexavalent	1	110	0.55 U	0.56 U	0.55 U	0.54 U	0.53 U	0.55 U	0.54 U
Chromium, Trivalent	30	180	15	24.3	16.7	13.5	41.1	21.2	14.2
Cobalt	NS	NS	8.31	7.85	8.12	9.02	34.8	7.37	9.47
Copper	50	270	40.1	30	20.6	64.3	4.85	45.7	26.4
Cyanide, total	27	27	0.55 U	0.56 U	0.55 U	0.54 U	0.53 U	0.55 U	0.54 U
Iron	NS	NS	14,400	14,600	16,300	17,000	50,200 D	24,900	15,800
Lead	63	400	31.3	64.5	11.4	26.9	7.28	103	51.5
Magnesium	NS	NS	5,690	7,000	17,400	39,900	11,800	4,160	3,950
Manganese	1,600	2,000	245	266	228	222	353	342	171
Mercury	0.18	0.81	0.11	0.94	0.033 U	0.05	0.032 U	0.16	0.93
Nickel	30	310	19.6	19.8	16.9	16.4	54	19.5	17.6
Potassium	NS	NS	2,850	3,000	1,900	1,610	17,500 D	2,110	4,350
Selenium	3.9	180	2.28	2.91	2.01	2.01	6.29	2.43	1.08 U
Silver	2	180	0.55 U	0.56 U	0.55 U	0.54 U	0.53 U	0.55 U	0.54 U
Sodium	NS	NS	371	2,010	1,580	646	383	578	415
Thallium	NS	NS	1.1 U	1.11 U	1.1 U	1.07 U	1.06 U	1.1 U	1.08 U
Vanadium	NS	NS	26.9	27.1	26.2	65.5	74.4	22.6	25.1
Zinc	109	10,000	792	86.1	46.3	63.4	107	162	66.1

† Dilution factor varies

Table 4
1678 and 1700 Park Avenue
New York, NY
Remedial Investigation Soil Analytical Results
Polychlorinated Biphenyls and Pesticides

Client ID	NYSDEC	NYSDEC	SB-1 (1'-2')	SB-1 (8'-9')	SB-2 (1'-2')	SB-2 (8'-9')	SB-3 (2'-3')	SB-3 (9'-10')	SB-4 (1'-2')
Lab Sample ID	Part 375	Part 375	16H0404-01	16H0404-02	16H0404-03	16H0404-04	16H0470-01	16H0470-02	16H0470-03
Date Sampled	Unrestricted	Restricted	8/8/2016	8/8/2016	8/8/2016	8/8/2016	8/9/2016	8/9/2016	8/9/2016
Dilution	SCO	Residential	1	1	1	1	1	1	1
	SCO	SCO							
PCBs - mg/kg	mg/kg	mg/kg							
Aroclor 1016	NS	NS	0.019 U	0.018 U	0.019 U	0.019 U	0.019 U	0.018 U	0.02 U
Aroclor 1221	NS	NS	0.019 U	0.018 U	0.019 U	0.019 U	0.019 U	0.018 U	0.02 U
Aroclor 1232	NS	NS	0.019 U	0.018 U	0.019 U	0.019 U	0.019 U	0.018 U	0.02 U
Aroclor 1242	NS	NS	0.019 U	0.018 U	0.019 U	0.019 U	0.019 U	0.018 U	0.02 U
Aroclor 1248	NS	NS	0.019 U	0.018 U	0.019 U	0.019 U	0.019 U	0.018 U	0.02 U
Aroclor 1254	NS	NS	0.019 U	0.018 U	0.11	0.019 U	0.019 U	0.018 U	0.02 U
Aroclor 1260	NS	NS	0.019 U	0.018 U	0.019 U	0.019 U	0.019 U	0.018 U	0.13
Total PCBs	0.1	1	0.019 U	0.018 U	0.11	0.019 U	0.019 U	0.018 U	0.13

Pesticides - mg/kg	mg/kg	mg/kg	5	5	5	5	5	5	5
4,4'-DDD	0.0033	13	0.0019 U	0.0018 U	0.005 D	0.0019 U	0.022 D	0.0018 U	0.09 D
4,4'-DDE	0.0033	8.9	0.0019 U	0.0018 U	0.0019 U	0.019 D	0.0062 D	0.0018 U	0.03 D
4,4'-DDT	0.0033	7.9	0.0019 U	0.0018 U	0.029 D	0.031 D	0.0053 D	0.0018 U	0.041 D
Aldrin	0.005	0.097	0.0019 U	0.0018 U	0.0019 U	0.0019 U	0.0019 U	0.0018 U	0.002 U
alpha-BHC	0.02	0.48	0.0019 U	0.0018 U	0.0019 U	0.0019 U	0.0019 U	0.0018 U	0.002 U
alpha-Chlordane	0.094	4.2	0.0019 U	0.0018 U	0.009 D	0.0032 D	0.0041 D	0.0018 U	0.0057 D
beta-BHC	0.036	0.36	0.0019 U	0.0018 U	0.0019 U	0.0019 U	0.0019 U	0.0018 U	0.002 U
Chlordane, total	NS	NS	0.076 U	0.072 U	0.1 D	0.075 U	0.077 U	0.072 U	0.078 U
delta-BHC	0.04	100	0.0019 U	0.0018 U	0.0019 U	0.0019 U	0.0019 U	0.0018 U	0.002 U
Dieldrin	0.005	0.2	0.0019 U	0.0018 U	0.015 D	0.0019 U	0.0068 D	0.0018 U	0.002 U
Endosulfan I	2.4 TS	24 TS	0.0019 U	0.0018 U	0.0019 U	0.0019 U	0.0019 U	0.0018 U	0.002 U
Endosulfan II	2.4 TS	24 TS	0.0019 U	0.0018 U	0.0019 U	0.0019 U	0.0019 U	0.0018 U	0.002 U
Endosulfan sulfate	2.4 TS	24 TS	0.0019 U	0.0018 U	0.0019 U	0.0019 U	0.0019 U	0.0018 U	0.002 U
Endrin	0.014	11	0.0019 U	0.0018 U	0.0019 U	0.0019 U	0.0019 U	0.0018 U	0.002 U
Endrin aldehyde	NS	NS	0.0019 U	0.0018 U	0.0019 U	0.0019 U	0.0019 U	0.0018 U	0.002 U
Endrin ketone	NS	NS	0.0019 U	0.0018 U	0.0019 U	0.0019 U	0.0019 U	0.0018 U	0.002 U
gamma-BHC (Lindane)	0.1	1.3	0.0019 U	0.0018 U	0.0019 U	0.0019 U	0.0019 U	0.0018 U	0.002 U
gamma-Chlordane	NS	NS	0.0019 U	0.0018 U	0.01 D	0.0039 D	0.0046 D	0.0018 U	0.0065 D
Heptachlor	0.042	2.1	0.0019 U	0.0018 U	0.0019 U	0.0019 U	0.0019 U	0.0018 U	0.002 U
Heptachlor epoxide	NS	NS	0.0019 U	0.0018 U	0.0019 U	0.0019 U	0.0019 U	0.0018 U	0.002 U
Methoxychlor	NS	NS	0.0095 U	0.009 U	0.0095 U	0.0093 U	0.0096 U	0.009 U	0.0097 U
Toxaphene	NS	NS	0.096 U	0.091 U	0.096 U	0.094 U	0.097 U	0.091 U	0.099 U

Table 4
1678 and 1700 Park Avenue
New York, NY
Remedial Investigation Soil Analytical Results
Polychlorinated Biphenyls and Pesticides

Client ID Lab Sample ID Date Sampled Dilution	NYSDEC Part 375 Unrestricted SCO mg/kg	NYSDEC Part 375 Restricted Residential SCO mg/kg	SB-4 (14'-15') 16H0470-04 8/9/2016 1	SB-5 (1'-2') 16H0404-05 8/8/2016 1	SB-5 (12'-13') 16H0404-06 8/8/2016 1	SB-6 (1'-2') 16H0470-05 8/9/2016 1	SB-7 (1'-2') 16H0470-06 8/9/2016 1	SB-7 (8'-9') 16H0470-07 8/9/2016 1	SB-8 (1'-2') 16H0538-04 8/10/2016 1
PCBs - mg/kg	mg/kg	mg/kg							
Aroclor 1016	NS	NS	0.018 U	0.02 U	0.018 U	0.018 U	0.018 U	0.019 U	0.019 U
Aroclor 1221	NS	NS	0.018 U	0.02 U	0.018 U	0.018 U	0.018 U	0.019 U	0.019 U
Aroclor 1232	NS	NS	0.018 U	0.02 U	0.018 U	0.018 U	0.018 U	0.019 U	0.019 U
Aroclor 1242	NS	NS	0.018 U	0.02 U	0.018 U	0.018 U	0.018 U	0.019 U	0.019 U
Aroclor 1248	NS	NS	0.018 U	0.02 U	0.018 U	0.018 U	0.018 U	0.019 U	0.019 U
Aroclor 1254	NS	NS	0.018 U	0.02 U	0.018 U	0.018 U	0.018 U	0.019 U	0.019 U
Aroclor 1260	NS	NS	0.018 U	0.02 U	0.018 U	0.018 U	0.018 U	0.019 U	0.019 U
Total PCBs	0.1	1	0.018 U	0.02 U	0.018 U	0.018 U	0.018 U	0.019 U	0.019 U

Pesticides - mg/kg	mg/kg	mg/kg	5	5	5	5	5	5	5
4,4'-DDD	0.0033	13	0.0018 U	0.002 U	0.0018 U	0.0018 U	0.0018 U	0.0019 U	0.0018 U
4,4'-DDE	0.0033	8.9	0.0018 U	0.012 D	0.0018 U	0.0018 U	0.022 D	0.0049 D	0.0018 U
4,4'-DDT	0.0033	7.9	0.0018 U	0.032 D	0.0018 U	0.006 D	0.093 D	0.011 D	0.0018 U
Aldrin	0.005	0.097	0.0018 U	0.002 U	0.0018 U	0.0018 U	0.0018 U	0.0019 U	0.0018 U
alpha-BHC	0.02	0.48	0.0018 U	0.002 U	0.0018 U	0.0018 U	0.0018 U	0.0019 U	0.0018 U
alpha-Chlordane	0.094	4.2	0.0018 U	0.0025 D	0.0018 U	0.0018 U	0.0077 D	0.0082 D	0.0018 U
beta-BHC	0.036	0.36	0.0018 U	0.002 U	0.0018 U	0.0018 U	0.0018 U	0.0019 U	0.0018 U
Chlordane, total	NS	NS	0.071 U	0.079 U	0.073 U	0.073 U	0.072 U	0.14 D	0.073 U
delta-BHC	0.04	100	0.0018 U	0.002 U	0.0018 U	0.0018 U	0.0018 U	0.0019 U	0.0018 U
Dieldrin	0.005	0.2	0.0018 U	0.0025 D	0.0018 U	0.0018 U	0.0018 U	0.011 D	0.0018 U
Endosulfan I	2.4 TS	24 TS	0.0018 U	0.002 U	0.0018 U	0.0018 U	0.0018 U	0.0019 U	0.0018 U
Endosulfan II	2.4 TS	24 TS	0.0018 U	0.002 U	0.0018 U	0.0018 U	0.0018 U	0.0019 U	0.0018 U
Endosulfan sulfate	2.4 TS	24 TS	0.0018 U	0.002 U	0.0018 U	0.0018 U	0.0018 U	0.0019 U	0.0018 U
Endrin	0.014	11	0.0018 U	0.002 U	0.0018 U	0.0018 U	0.0018 U	0.0019 U	0.0018 U
Endrin aldehyde	NS	NS	0.0018 U	0.002 U	0.0018 U	0.0018 U	0.0018 U	0.0019 U	0.0018 U
Endrin ketone	NS	NS	0.0018 U	0.002 U	0.0018 U	0.0018 U	0.0018 U	0.0019 U	0.0018 U
gamma-BHC (Lindane)	0.1	1.3	0.0018 U	0.002 U	0.0018 U	0.0018 U	0.0018 U	0.0019 U	0.0018 U
gamma-Chlordane	NS	NS	0.0018 U	0.003 D	0.0018 U	0.0018 U	0.009 D	0.0065 D	0.0018 U
Heptachlor	0.042	2.1	0.0018 U	0.002 U	0.0018 U	0.0018 U	0.0018 U	0.0019 U	0.0018 U
Heptachlor epoxide	NS	NS	0.0018 U	0.002 U	0.0018 U	0.0018 U	0.0018 U	0.0019 U	0.0018 U
Methoxychlor	NS	NS	0.0089 U	0.0098 U	0.0091 U	0.0091 U	0.009 U	0.0095 U	0.0092 U
Toxaphene	NS	NS	0.09 U	0.1 U	0.092 U	0.092 U	0.091 U	0.096 U	0.093 U

Table 4
1678 and 1700 Park Avenue
New York, NY
Remedial Investigation Soil Analytical Results
Polychlorinated Biphenyls and Pesticides

Client ID	NYSDEC	NYSDEC	SB-8 (8'-9')	SB-9 (4'-5')	SB-9 (8'-9')	SB-10 (1'-2')	SB-10 (8'-9')	SB-11 (1'-2')	SB-11 (7'-8')
Lab Sample ID	Part 375	Part 375	16H0538-05	16H0538-01	16H0538-02	16H0538-06	16H0538-07	16H0470-08	16H0470-09
Date Sampled	Unrestricted	Restricted	8/10/2016	8/10/2016	8/10/2016	8/10/2016	8/10/2016	8/9/2016	8/9/2016
Dilution	SCO	Residential	1	1	1	1	1	1	1
	SCO	SCO							
PCBs - mg/kg	mg/kg	mg/kg							
Aroclor 1016	NS	NS	0.018 U	0.019 U	0.018 U	0.018 U	0.018 U	0.018 U	0.018 U
Aroclor 1221	NS	NS	0.018 U	0.019 U	0.018 U	0.018 U	0.018 U	0.018 U	0.018 U
Aroclor 1232	NS	NS	0.018 U	0.019 U	0.018 U	0.018 U	0.018 U	0.018 U	0.018 U
Aroclor 1242	NS	NS	0.018 U	0.019 U	0.018 U	0.018 U	0.018 U	0.018 U	0.018 U
Aroclor 1248	NS	NS	0.018 U	0.019 U	0.018 U	0.018 U	0.018 U	0.018 U	0.018 U
Aroclor 1254	NS	NS	0.018 U	0.019 U	0.018 U	0.018 U	0.018 U	0.018 U	0.018 U
Aroclor 1260	NS	NS	0.018 U	0.019 U	0.018 U	0.018 U	0.018 U	0.018 U	0.018 U
Total PCBs	0.1	1	0.018 U	0.019 U	0.018 U	0.018 U	0.018 U	0.018 U	0.018 U

Pesticides - mg/kg	mg/kg	mg/kg	5	5	5	5	5	5	5
4,4'-DDD	0.0033	13	0.0018 U	0.0018 U	0.0018 U	0.0018 U	0.0018 U	0.0018 U	0.0018 U
4,4'-DDE	0.0033	8.9	0.0018 U	0.0018 U	0.0018 U	0.0018 U	0.0018 U	0.0082 D	0.0018 U
4,4'-DDT	0.0033	7.9	0.0018 U	0.0037 D	0.0018 U	0.0018 U	0.0018 U	0.0093 D	0.0018 U
Aldrin	0.005	0.097	0.0018 U	0.0018 U	0.0018 U	0.0018 U	0.0018 U	0.0018 U	0.0018 U
alpha-BHC	0.02	0.48	0.0018 U	0.0018 U	0.0018 U	0.0018 U	0.0018 U	0.0018 U	0.0018 U
alpha-Chlordane	0.094	4.2	0.0018 U	0.0018 U	0.0018 U	0.0018 U	0.0018 U	0.0029 D	0.0018 U
beta-BHC	0.036	0.36	0.0018 U	0.0018 U	0.0018 U	0.0018 U	0.0018 U	0.0018 U	0.0018 U
Chlordane, total	NS	NS	0.072 U	0.074 U	0.073 U	0.071 U	0.07 U	0.073 U	0.071 U
delta-BHC	0.04	100	0.0018 U	0.0018 U	0.0018 U	0.0018 U	0.0018 U	0.0018 U	0.0018 U
Dieldrin	0.005	0.2	0.0018 U	0.0018 U	0.0018 U	0.0018 U	0.0018 U	0.0081 D	0.0018 U
Endosulfan I	2.4 TS	24 TS	0.0018 U	0.0018 U	0.0018 U	0.0018 U	0.0018 U	0.0018 U	0.0018 U
Endosulfan II	2.4 TS	24 TS	0.0018 U	0.0018 U	0.0018 U	0.0018 U	0.0018 U	0.0018 U	0.0018 U
Endosulfan sulfate	2.4 TS	24 TS	0.0018 U	0.0018 U	0.0018 U	0.0018 U	0.0018 U	0.0018 U	0.0018 U
Endrin	0.014	11	0.0018 U	0.0018 U	0.0018 U	0.0018 U	0.0018 U	0.0018 U	0.0018 U
Endrin aldehyde	NS	NS	0.0018 U	0.0018 U	0.0018 U	0.0018 U	0.0018 U	0.0018 U	0.0018 U
Endrin ketone	NS	NS	0.0018 U	0.0018 U	0.0018 U	0.0018 U	0.0018 U	0.0018 U	0.0018 U
gamma-BHC (Lindane)	0.1	1.3	0.0018 U	0.0018 U	0.0018 U	0.0018 U	0.0018 U	0.0018 U	0.0018 U
gamma-Chlordane	NS	NS	0.0018 U	0.0018 U	0.0018 U	0.0018 U	0.0018 U	0.0033 D	0.0018 U
Heptachlor	0.042	2.1	0.0018 U	0.0018 U	0.0018 U	0.0018 U	0.0018 U	0.0018 U	0.0018 U
Heptachlor epoxide	NS	NS	0.0018 U	0.0018 U	0.0018 U	0.0018 U	0.0018 U	0.0018 U	0.0018 U
Methoxychlor	NS	NS	0.0091 U	0.0092 U	0.0091 U	0.0088 U	0.0087 U	0.0091 U	0.0089 U
Toxaphene	NS	NS	0.092 U	0.093 U	0.092 U	0.089 U	0.088 U	0.092 U	0.09 U

Table 5
1678 and 1700 Park Avenue

New York, NY

Remedial Investigation Groundwater Analytical Results
Volatile Organic Compounds

Client ID Lab Sample ID Date Sampled	NYSDEC Class GA Ambient Standard	TW-1 16H0404-07 8/8/2016	TW-2 16H0538-03 8/10/2016
µg/L	µg/L		
1,1,1,2-Tetrachloroethane	5	0.2 U	0.20 U
1,1,1-Trichloroethane	5	0.2 U	0.20 U
1,1,2,2-Tetrachloroethane	5	0.2 U	0.20 U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	5	0.2 U	0.20 U
1,1,2-Trichloroethane	1	0.2 U	0.20 U
1,1-Dichloroethane	5	0.2 U	0.20 U
1,1-Dichloroethylene	5	0.2 U	0.20 U
1,2,3-Trichlorobenzene	5	0.2 U	0.20 U
1,2,3-Trichloropropane	0.04	0.2 U	0.20 U
1,2,4-Trichlorobenzene	5	0.2 U	0.20 U
1,2,4-Trimethylbenzene	5	0.2 U	0.20 U
1,2-Dibromo-3-chloropropane	0.04	0.2 U	0.20 U
1,2-Dibromoethane	0.0006	0.2 U	0.20 U
1,2-Dichlorobenzene	3	0.2 U	0.20 U
1,2-Dichloroethane	0.6	0.2 U	0.20 U
1,2-Dichloropropane	1	0.2 U	0.20 U
1,3,5-Trimethylbenzene	5	0.2 U	0.20 U
1,3-Dichlorobenzene	3	0.2 U	0.20 U
1,4-Dichlorobenzene	3	0.2 U	0.20 U
1,4-Dioxane	NS	40 U	40 U
2-Butanone	50	0.2 U	0.20 U
2-Hexanone	50	0.2 U	0.20 U
4-Methyl-2-pentanone	NS	0.2 U	0.20 U
Acetone	50	2.3	3.40
Acrolein	5	0.2 U	0.20 U
Acrylonitrile	5	0.2 U	0.20 U
Benzene	1	0.2 U	0.20 U
Bromochloromethane	5	0.2 U	0.20 U
Bromodichloromethane	50	0.2 U	0.20 U
Bromoform	50	0.2 U	0.20 U
Bromomethane	5	0.2 U	0.20 U
Carbon disulfide	60	0.2 U	0.20 U
Carbon tetrachloride	5	0.2 U	0.20 U
Chlorobenzene	5	0.2 U	0.20 U
Chloroethane	5	0.2 U	0.20 U
Chloroform	7	0.45 U	0.20 U
Chloromethane	5	0.2 U	0.20 U
cis-1,2-Dichloroethylene	5	0.2 U	0.20 U
cis-1,3-Dichloropropylene	0.4 TS	0.2 U	0.20 U
Cyclohexane	NS	0.2 U	0.20 U
Dibromochloromethane	50	0.2 U	0.20 U
Dibromomethane	5	0.2 U	0.20 U
Dichlorodifluoromethane	5	0.2 U	0.20 U
Ethyl Benzene	5	0.2 U	0.20 U
Hexachlorobutadiene	0.5	0.2 U	0.20 U
Isopropylbenzene	5	0.2 U	0.20 U
Methyl acetate	NS	0.2 U	0.20 U
Methyl tert-butyl ether (MTBE)	10	0.2 U	0.20 U
Methylcyclohexane	NS	0.2 U	0.20 U
Methylene chloride	5	1 U	1 U
n-Butylbenzene	5	0.2 U	0.20 U
n-Propylbenzene	5	0.2 U	0.20 U
o-Xylene	5	0.2 U	0.20 U
p- & m- Xylenes	5	0.5 U	0.50 U
p-Isopropyltoluene	5	0.2 U	0.20 U
sec-Butylbenzene	5	0.2 U	0.20 U
Styrene	5	0.2 U	0.20 U
tert-Butyl alcohol (TBA)	NS	0.5 U	5
tert-Butylbenzene	5	0.2 U	0.20 U
Tetrachloroethylene	5	0.2 U	0.20 U
Toluene	5	0.2 U	0.20 U
trans-1,2-Dichloroethylene	5	0.2 U	0.20 U
trans-1,3-Dichloropropylene	0.4 TS	0.2 U	0.20 U
Trichloroethylene	5	0.2 U	0.20 U
Trichlorofluoromethane	5	0.2 U	0.20 U
Vinyl Chloride	2	0.2 U	0.20 U
Xylenes, Total	NS	0.6 U	0.60 U

Table 6
1678 and 1700 Park Avenue
New York, NY

Remedial Investigation Groundwater Analytical Results
Semi-Volatile Organic Compounds

Client ID Lab Sample ID Date Sampled	NYSDEC Class GA Ambient Standard	TW-1 16H0404-07 8/8/2016	TW-2 16H0538-03 8/10/2016
µg/L	µg/L		
1,1'-Biphenyl	5	2.56 U	2.56 U
1,2,4,5-Tetrachlorobenzene	5	2.56 U	2.56 U
1,2,4-Trichlorobenzene	5	2.56 U	2.56 U
1,2-Dichlorobenzene	3	2.56 U	2.56 U
1,2-Diphenylhydrazine (as Azobenzene)	5	2.56 U	2.56 U
1,3-Dichlorobenzene	3	2.56 U	2.56 U
1,4-Dichlorobenzene	3	2.56 U	2.56 U
2,3,4,6-Tetrachlorophenol	NS	2.56 U	2.56 U
2,4,5-Trichlorophenol	NS	2.56 U	2.56 U
2,4,6-Trichlorophenol	NS	2.56 U	2.56 U
2,4-Dichlorophenol	5	2.56 U	2.56 U
2,4-Dimethylphenol	50	2.56 U	2.56 U
2,4-Dinitrophenol	10	2.56 U	2.56 U
2,4-Dinitrotoluene	5	2.56 U	2.56 U
2,6-Dinitrotoluene	5	2.56 U	2.56 U
2-Chloronaphthalene	NS	2.56 U	2.56 U
2-Chlorophenol	NS	2.56 U	2.56 U
2-Methylnaphthalene	NS	2.56 U	2.56 U
2-Methylphenol	NS	2.56 U	2.56 U
2-Nitroaniline	5	2.56 U	2.56 U
2-Nitrophenol	NS	2.56 U	2.56 U
3- & 4-Methylphenols	NS	2.56 U	2.56 U
3,3'-Dichlorobenzidine	5	2.56 U	2.56 U
3-Nitroaniline	5	2.56 U	2.56 U
4,6-Dinitro-2-methylphenol	NS	2.56 U	2.56 U
4-Bromophenyl phenyl ether	NS	2.56 U	2.56 U
4-Chloro-3-methylphenol	NS	2.56 U	2.56 U
4-Chloroaniline	5	2.56 U	2.56 U
4-Chlorophenyl phenyl ether	NS	2.56 U	2.56 U
4-Nitroaniline	5	2.56 U	2.56 U
4-Nitrophenol	NS	2.56 U	2.56 U
Acenaphthene	NS	0.051 U	0.051 U
Acenaphthylene	NS	0.051 U	0.051 U
Acetophenone	NS	2.56 U	2.56 U
Aniline	5	2.56 U	2.56 U
Anthracene	50	0.051 U	0.051 U
Atrazine	7.5	0.51 U	0.51 U
Benzaldehyde	NS	2.56 U	2.56 U
Benzidine	5	10.3 U	10.30 U
Benzo(a)anthracene	0.002	0.051 U	0.051 U
Benzo(a)pyrene	ND	0.051 U	0.051 U
Benzo(b)fluoranthene	0.002	0.051 U	0.051 U
Benzo(g,h,i)perylene	NS	0.051 U	0.051 U
Benzo(k)fluoranthene	0.002	0.051 U	0.051 U
Benzoic acid	NS	25.6 U	25.60 U
Benzyl alcohol	NS	2.56 U	2.56 U
Benzyl butyl phthalate	50	2.56 U	2.56 U
Bis(2-chloroethoxy)methane	5	2.56 U	2.56 U
Bis(2-chloroethyl)ether	1	2.56 U	2.56 U
Bis(2-chloroisopropyl)ether	5	2.56 U	2.56 U
Bis(2-ethylhexyl)phthalate	5	0.51 U	0.51 U
Caprolactam	NS	2.56 U	2.56 U
Carbazole	NS	2.56 U	2.56 U
Chrysene	0.002	0.051 U	0.051 U
Dibenzo(a,h)anthracene	NS	0.051 U	0.051 U
Dibenzofuran	NS	2.56 U	2.56 U
Diethyl phthalate	50	2.56 U	2.56 U
Dimethyl phthalate	50	2.56 U	2.56 U
Di-n-butyl phthalate	50	2.56 U	2.56 U
Di-n-octyl phthalate	50	2.56 U	2.56 U
Fluoranthene	50	0.051 U	0.051 U
Fluorene	50	0.051 U	0.051 U
Hexachlorobenzene	0.04	0.021 U	0.021 U
Hexachlorobutadiene	0.5	0.51 U	0.51 U
Hexachlorocyclopentadiene	5	2.56 U	2.56 U
Hexachloroethane	5	0.51 U	0.51 U
Indeno(1,2,3-cd)pyrene	0.002	0.051 U	0.051 U
Isophorone	50	2.56 U	2.56 U
Naphthalene	NS	0.062	0.051 U
Nitrobenzene	0.4	0.26 U	0.26 U
N-Nitrosodimethylamine	NS	0.51 U	0.51 U
N-nitroso-di-n-propylamine	NS	2.56 U	2.56 U
N-Nitrosodiphenylamine	50	2.56 U	2.56 U
Pentachlorophenol	NS	0.26 U	0.26 U
Phenanthrene	50	0.051 U	0.051 U
Phenol	NS	2.56 U	2.56 U
Pyrene	50	0.062	0.051 U

Table 7
1678 and 1700 Park Avenue
New York, NY
Remedial Investigation Groundwater Analytical Results
Metals

Client ID Lab Sample ID Date Sampled	NYSDEC Class GA Ambient Standard	TW-1 16H0404-07 8/8/2016	TW-2 16H0538-03 8/10/2016
Total Metals - µg/L	µg/L		
Aluminum	NS	456	1,130
Antimony	3	2.22 U	3.24 D
Arsenic	25	2.22 U	2.22 U
Barium	1,000	169	127
Beryllium	3	0.67 U	0.67 U
Cadmium	5	1.11 U	1.11 U
Calcium	NS	278,000	734,000
Chromium	50	5.56 U	5.56 U
Copper	200	13.3	52.80
Iron	NS	1,030	3,230
Lead	25	18.1	16.20
Magnesium	35,000	79,200	243,000
Manganese	NS	598	2,300
Mercury	0.7	0.2 U	0.20 U
Molybdenum	NS	3.31 D	4.73 D
Nickel	100	8.17	11.90
Potassium	NS	5,650	60,000
Selenium	10	15.7	24.60
Silver	50	5.56 U	5.56 U
Sodium	20,000	57,500	828,000 E
Thallium	0.5	2.22 U	2.22 U
Vanadium	NS	11.1 U	11.10 U
Zinc	2,000	60	127

Dissolved Metals - µg/L	µg/L		
Aluminum	NS	55.6 U	55.60 U
Antimony	3	2.22 U	2.22 U
Arsenic	25	2.22 U	2.22 U
Barium	1,000	11.1 U	31.10
Beryllium	3	0.22 U	0.22 U
Cadmium	5	1.11 U	1.11 U
Calcium	NS	16,100	316,000
Chromium	50	5.56 U	5.56 U
Copper	200	16.1	12.60
Iron	NS	79.5	22.20 U
Lead	25	3.33 U	3.33 U
Magnesium	35,000	61,500	162,000
Manganese	NS	5.56 U	17.80
Mercury	0.7	0.2 U	0.20 U
Molybdenum	NS	2.58 D	5.40 D
Nickel	100	5.56 U	8.13
Potassium	NS	4,770	48,900
Selenium	10	11.1 U	14.20
Silver	50	5.56 U	5.56 U
Sodium	20,000	310,000	1,330,000 D
Thallium	0.5	2.22 U	2.22 U
Vanadium	NS	11.1 U	11.10 U
Zinc	2,000	16.3	11.10 U

Table 8
1678 and 1700 Park Avenue
New York, NY

Remedial Investigation Groundwater Analytical Results
Polychlorinated Biphenyls and Pesticides

Client ID Lab Sample ID Date Sampled	NYSDEC Class GA Ambient Standard	TW-1 16H0404-07 8/8/2016	TW-2 16H0538-03 8/10/2016
PCBs - µg/L	µg/L		
Aroclor 1016	NS	0.053 U	0.056 U
Aroclor 1221	NS	0.053 U	0.056 U
Aroclor 1232	NS	0.053 U	0.056 U
Aroclor 1242	NS	0.053 U	0.056 U
Aroclor 1248	NS	0.053 U	0.056 U
Aroclor 1254	NS	0.053 U	0.056 U
Aroclor 1260	NS	0.053 U	0.056 U
Total PCBs	0.09	0.053 U	0.056 U

Pesticides - µg/L	µg/L		
4,4'-DDD	0.3	0.005	0.0044 U
4,4'-DDE	0.2	0.0052	0.0044 U
4,4'-DDT	0.2	0.035	0.0044 U
Aldrin	ND	0.0043 U	0.0044 U
alpha-BHC	0.01	0.0043 U	0.0044 U
alpha-Chlordane	NS	0.0043 U	0.0044 U
beta-BHC	0.04	0.0043 U	0.0044 U
Chlordane, total	0.05	0.043 U	0.044 U
delta-BHC	0.04	0.0043 U	0.0044 U
Dieldrin	0.004	0.0063	0.0022 U
Endosulfan I	NS	0.0043 U	0.0044 U
Endosulfan II	NS	0.0043 U	0.0044 U
Endosulfan sulfate	NS	0.0043 U	0.0044 U
Endrin	ND	0.0043 U	0.0044 U
Endrin aldehyde	5	0.011 U	0.011 U
Endrin ketone	5	0.011 U	0.011 U
gamma-BHC (Lindane)	0.05	0.0043 U	0.0044 U
gamma-Chlordane	#N/A	0.011 U	0.011 U
Heptachlor	0.04	0.0043 U	0.0044 U
Heptachlor epoxide	0.03	0.0043 U	0.0044 U
Methoxychlor	35	0.0043 U	0.0044 U
Toxaphene	0.06	0.11 U	0.11 U

Table 9
1678 and 1700 Park Avenue
New York, NY
Remedial Investigation Soil Vapor Analytical Results
Volatile Organic Compounds

Client ID	NYSDOH 2006	SV-1	SV-2	SV-3	SV-4	SV-5
Lab Sample ID	Soil Vapor	16H0405-01	16H0405-02	16H0461-01	16H0405-03	16H0461-02
Date Sampled	Intrusion	8/8/2016	8/8/2016	8/9/2016	8/8/2016	8/9/2016
Dilution	Air Guideline	23	23.12	88.44	25.33	88.04
µg/m3	Value					
µg/m3	µg/m3					
1,1,1,2-Tetrachloroethane	NS	16 U	16 U	15 U	17 U	15 U
1,1,1-Trichloroethane	NS	13 U	13 U	12 U	14 U	12 U
1,1,2,2-Tetrachloroethane	NS	16 U	16 U	15 U	17 U	15 U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	NS	18 U	18 U	17 U	19 U	17 U
1,1,2-Trichloroethane	NS	13 U	13 U	12 U	14 U	12 U
1,1-Dichloroethane	NS	9.3 U	9.4 U	8.9 U	10 U	8.9 U
1,1-Dichloroethylene	NS	9.1 U	9.2 U	8.8 U	10 U	8.7 U
1,2,4-Trichlorobenzene	NS	17 U	17 U	16 U	19 U	16 U
1,2,4-Trimethylbenzene	NS	68 D	58 D	49 D	51 D	53 D
1,2-Dibromoethane	NS	18 U	18 U	17 U	19 U	17 U
1,2-Dichlorobenzene	NS	14 U	14 U	13 U	15 U	13 U
1,2-Dichloroethane	NS	9.3 U	9.4 U	8.9 U	10 U	8.9 U
1,2-Dichloropropane	NS	11 U	11 U	10 U	12 U	10 U
1,2-Dichlorotetrafluoroethane	NS	19 D	29 D	13,000 D	18 U	37 D
1,3,5-Trimethylbenzene	NS	21 D	19 D	15 D	15 D	15 D
1,3-Butadiene	NS	15 U	15 U	15 D	17 U	15 U
1,3-Dichlorobenzene	NS	14 U	14 U	13 U	15 U	13 U
1,3-Dichloropropane	NS	11 U	11 U	10 U	12 U	10 U
1,4-Dichlorobenzene	NS	14 U	14 U	13 U	15 U	13 U
1,4-Dioxane	NS	17 U	17 U	16 U	18 U	16 U
2-Butanone	NS	94 D	65 D	46 D	70 D	60 D
2-Hexanone	NS	19 U	19 U	18 U	21 U	18 U
3-Chloropropene	NS	36 U	36 U	35 U	40 U	34 U
4-Methyl-2-pentanone	NS	9.4 U	9.5 U	9.1 U	10 U	9 U
Acetone	NS	450 D	1,100 D	850 D	1,000 D	2,100 D
Acrylonitrile	NS	5 U	5 U	4.8 U	5.5 U	4.8 U
Benzene	NS	13 D	7.4 D	130 D	12 D	15 D
Benzyl chloride	NS	12 U	12 U	11 U	13 U	11 U
Bromodichloromethane	NS	15 U	15 U	15 U	17 U	15 U
Bromoform	NS	24 U	24 U	23 U	26 U	23 U
Bromomethane	NS	8.9 U	9 U	8.6 U	9.8 U	8.5 U
Carbon disulfide	NS	19 D	7.2 U	24 D	14 D	6.9 U
Carbon tetrachloride	NS	3.6 U	3.6 U	3.5 U	4 U	3.5 U
Chlorobenzene	NS	11 U	11 U	10 U	12 U	10 U
Chloroethane	NS	6.1 U	6.1 U	5.8 U	6.7 U	5.8 U
Chloroform	NS	57 D	310 D	19 D	96 D	11 U
Chloromethane	NS	4.7 U	4.8 U	4.6 U	5.2 U	4.5 U
cis-1,2-Dichloroethylene	NS	9.1 U	9.2 U	8.8 U	10 U	8.7 U
cis-1,3-Dichloropropylene	NS	10 U	10 U	10 U	11 U	10 U
Cyclohexane	NS	7.9 U	8 U	7.6 U	8.7 U	7.6 U
Dibromochloromethane	NS	20 U	20 U	19 U	22 U	19 U
Dichlorodifluoromethane	NS	11 U	11 U	36 D	13 U	13 D
Ethyl acetate	NS	17 U	17 U	16 U	18 U	16 U
Ethyl Benzene	NS	25 D	21 D	21 D	20 D	21 D
Hexachlorobutadiene	NS	25 U	25 U	24 U	27 U	23 U
Isopropanol	NS	11 U	11 U	11 U	12 U	11 U
Methyl Methacrylate	NS	9.4 U	9.5 U	9.1 U	10 U	9 U
Methyl tert-butyl ether (MTBE)	NS	8.3 U	8.3 U	8 U	9.1 U	7.9 U
Methylene chloride	60	16 U	16 U	15 U	18 U	15 U
n-Heptane	NS	23 D	16 D	800 D	38 D	340 D
n-Hexane	NS	24 D	18 D	1,700 D	71 D	260 D
o-Xylene	NS	35 D	32 D	32 D	29 D	31 D
p- & m- Xylenes	NS	110 D	92 D	94 D	86 D	95 D
p-Ethyltoluene	NS	45 D	39 D	39 D	35 D	39 D
Propylene	NS	180 D	71 D	920 D	500 D	3.8 U
Styrene	NS	9.8 U	9.8 U	9.4 U	11 U	9.4 U
Tetrachloroethylene	30	3.9 U	3.9 U	28 D	36 D	37 D
Tetrahydrofuran	NS	14 U	14 U	13 U	15 U	13 U
Toluene	NS	80 D	69 D	130 D	68 D	160 D
trans-1,2-Dichloroethylene	NS	9.1 U	9.2 U	8.8 U	10 U	8.7 U
trans-1,3-Dichloropropylene	NS	10 U	10 U	10 U	11 U	10 U
Trichloroethylene	2	3.1 U	3.1 U	3 U	3.4 U	3 U
Trichlorofluoromethane (Freon 11)	NS	21 D	13 U	160 D	83 D	12 U
Vinyl acetate	NS	8.1 U	8.1 U	7.8 U	8.9 U	7.7 U
Vinyl bromide	NS	10 U	10 U	9.7 U	11 U	9.6 U
Vinyl Chloride	NS	5.9 U	5.9 U	5.7 U	6.5 U	5.6 U

Table 9
1678 and 1700 Park Avenue
New York, NY
Remedial Investigation Soil Vapor Analytical Results
Volatile Organic Compounds

Client ID	NYSDOH 2006	SV-6	SV-7	SV-8	AA-1
Lab Sample ID	Soil Vapor	16H0539-01	16H0539-02	16H0461-03	16H0539-03
Date Sampled	Intrusion	8/10/2016	8/10/2016	8/9/2016	8/10/2016
Dilution	Air Guideline	24.23	19.16	28.1	1.12
µg/m3	Value				
µg/m3	µg/m3				
1,1,1,2-Tetrachloroethane	NS	17 U	13 U	19 U	0.77 U
1,1,1-Trichloroethane	NS	13 U	10 U	15 U	0.61 U
1,1,2,2-Tetrachloroethane	NS	17 U	13 U	19 U	0.77 U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	NS	19 U	15 U	22 U	0.86 U
1,1,2-Trichloroethane	NS	13 U	10 U	15 U	0.61 U
1,1-Dichloroethane	NS	9.8 U	7.8 U	11 U	0.45 U
1,1-Dichloroethylene	NS	9.6 U	7.6 U	11 U	0.44 U
1,2,4-Trichlorobenzene	NS	18 U	14 U	21 U	0.83 U
1,2,4-Trimethylbenzene	NS	52 D	47 D	43 D	0.61 D
1,2-Dibromoethane	NS	19 U	15 U	22 U	0.86 U
1,2-Dichlorobenzene	NS	15 U	12 U	17 U	0.67 U
1,2-Dichloroethane	NS	9.8 U	7.8 U	11 U	0.45 U
1,2-Dichloropropane	NS	11 U	8.9 U	13 U	0.52 U
1,2-Dichlorotetrafluoroethane	NS	17 U	13 U	20 U	0.78 U
1,3,5-Trimethylbenzene	NS	15 D	14 D	14 D	0.55 U
1,3-Butadiene	NS	16 U	13 U	19 U	0.74 U
1,3-Dichlorobenzene	NS	15 U	12 U	17 U	0.67 U
1,3-Dichloropropane	NS	11 U	8.9 U	13 U	0.52 U
1,4-Dichlorobenzene	NS	15 U	12 U	17 U	0.67 U
1,4-Dioxane	NS	17 U	14 U	20 U	0.81 U
2-Butanone	NS	76 D	59 D	130 D	1.6 D
2-Hexanone	NS	20 U	16 U	23 U	0.92 U
3-Chloropropene	NS	38 U	30 U	44 U	1.8 U
4-Methyl-2-pentanone	NS	9.9 U	7.8 U	12 U	0.46 U
Acetone	NS	800 D	460 D	2,500 D	13 D
Acrylonitrile	NS	5.3 U	4.2 U	6.1 U	0.24 U
Benzene	NS	8.5 D	7.3 D	13 D	0.64 D
Benzyl chloride	NS	13 U	9.9 U	15 U	0.58 U
Bromodichloromethane	NS	16 U	13 U	19 U	0.75 U
Bromoform	NS	25 U	20 U	29 U	1.2 U
Bromomethane	NS	9.4 U	7.4 U	11 U	0.43 U
Carbon disulfide	NS	7.5 U	6 U	8.8 U	0.35 U
Carbon tetrachloride	NS	3.8 U	3 U	4.4 U	0.18 U
Chlorobenzene	NS	11 U	8.8 U	13 U	0.52 U
Chloroethane	NS	6.4 U	5.1 U	7.4 U	0.3 U
Chloroform	NS	12 D	43 D	14 U	0.55 U
Chloromethane	NS	5 U	4 U	5.8 U	1.4 D
cis-1,2-Dichloroethylene	NS	9.6 U	7.6 U	11 U	0.44 U
cis-1,3-Dichloropropylene	NS	11 U	8.7 U	13 U	0.51 U
Cyclohexane	NS	8.3 U	6.6 U	9.7 U	0.39 U
Dibromochloromethane	NS	21 U	16 U	24 U	0.95 U
Dichlorodifluoromethane	NS	12 U	9.5 U	14 U	1.3 D
Ethyl acetate	NS	17 U	14 U	20 U	0.81 U
Ethyl Benzene	NS	20 D	15 D	21 D	0.53 D
Hexachlorobutadiene	NS	26 U	20 U	30 U	1.2 U
Isopropanol	NS	12 U	9.4 U	14 U	0.55 U
Methyl Methacrylate	NS	9.9 U	7.8 U	12 U	0.46 U
Methyl tert-butyl ether (MTBE)	NS	8.7 U	6.9 U	10 U	0.4 U
Methylene chloride	60	17 U	14 D	20 U	1.1 D
n-Heptane	NS	39 D	8.6 D	21 D	0.46 U
n-Hexane	NS	47 D	21 D	17 D	0.99 D
o-Xylene	NS	26 D	22 D	31 D	0.58 D
p- & m- Xylenes	NS	80 D	64 D	94 D	1.8 D
p-Ethyltoluene	NS	37 D	32 D	35 D	0.61 D
Propylene	NS	71 D	45 D	42 D	0.91 D
Styrene	NS	10 U	8.2 U	12 U	0.48 U
Tetrachloroethylene	30	77 D	420 D	36 D	1.6 D
Tetrahydrofuran	NS	14 U	11 U	17 U	0.66 U
Toluene	NS	65 D	46 D	140 D	2.7 D
trans-1,2-Dichloroethylene	NS	9.6 U	7.6 U	11 U	0.44 U
trans-1,3-Dichloropropylene	NS	11 U	8.7 U	13 U	0.51 U
Trichloroethylene	2	3.3 U	2.6 U	3.8 U	0.15 U
Trichlorofluoromethane (Freon 11)	NS	14 U	11 U	16 U	1.2 D
Vinyl acetate	NS	8.5 U	6.7 U	9.9 U	0.39 U
Vinyl bromide	NS	11 U	8.4 U	12 U	0.49 U
Vinyl Chloride	NS	6.2 U	4.9 U	7.2 U	0.29 U

Tables 1-9
1678 and 1700 Park Avenue
New York, NY
Remedial Investigation Analytical Results
Notes

GENERAL

NS : No standard.

ND : No detect.

U : The analyte was not detected at the indicated concentration.

J : The concentration given is an estimated value.

TS : Value represents a sum total standard.

D : Result is from an analysis that required a dilution.

B : Analyte found in the analysis batch blank.

E : Result is estimated and cannot be accurately reported due to levels encountered or interferences.

SOIL

Part 375 Soil Cleanup Objectives : Soil Cleanup Objectives listed in NYSDEC (New York State Department of Environmental Conservation) "Part 375" Regulations (6 NYCRR Part 375).

mg/kg : milligrams per kilogram = parts per million (ppm)

Metals

******* : Standard reflects trivalent, not total, Chromium.

Exceedences of Part 375 Unrestricted Soil Cleanup Objectives (UUSCO) are highlighted in bold font.
Exceedences of Part 375 Restricted Residential Soil Cleanup Objectives (RRSCO) are highlighted in gray.

GROUNDWATER

NYSDEC Class GA Ambient Standard : New York State Department of Environmental Conservation Technical and Operational Guidance Series (1.1.1): Class GA Ambient Water Quality Standards and Guidance Values.

µg/L : micrograms per Liter = parts per billion (ppb)

Exceedences of NYSDEC Class GA Ambient Standards are highlighted in bold font.

SOIL VAPOR

NYSDOH Soil Vapor Intrusion Air Guidance Value : NYSDOH Air Guidance Values (AGVs) presented in the Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York, dated October 2006 ("NYSDOH Vapor Intrusion Guidance Document"), updated September 2013 for change of AGV for PCE and August 2015 for TCE.

µg/m³ : micrograms per cubic meter of air

Exceedences of NYSDOH Soil Vapor Intrusion Air Guidance Values are highlighted in bold font.

GEOPHYSICAL ENGINEERING SURVEY REPORT

Parking Lots

**1678 & 1700 PARK AVENUE
NEW YORK, NEW YORK 10035**

NOVA PROJECT NUMBER

16-0365

DATED

AUGUST 12, 2016

PREPARED FOR:

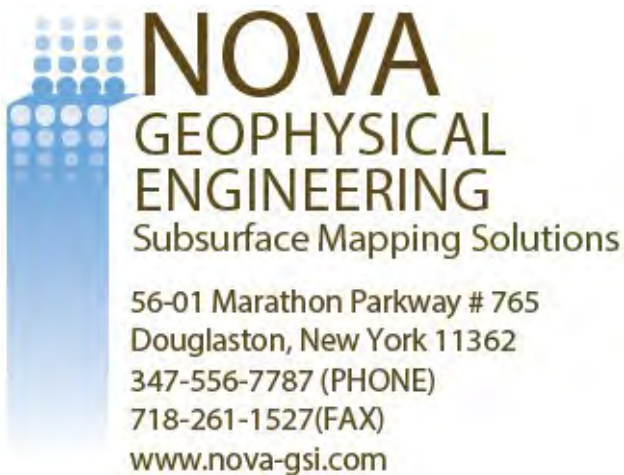
AKRF, Inc.

440 Park Avenue South

7th Floor

New York, New York 10016

PREPARED BY:



NOVA GEOPHYSICAL SERVICES

SUBSURFACEMAPPINGSOLUTIONS

56-01 Marathon Parkway, # 765, Douglaston, New York 11362
Ph. 347-556-7787 Fax. 718-261-1527
www.nova-gsi.com

August 12, 2016

J. Patrick Diggins
Geologist
AKRF, Inc.
440 Park Avenue South
7th Floor
New York, New York 10016
Direct: 646.388.9784

Re: Geophysical Engineering Survey (GES) Report
Parking Lots
1678 & 1700 Park Avenue
New York, New York 10035

Dear Mr. Diggins:

Nova Geophysical Services (NOVA) is pleased to provide findings of the geophysical engineering survey (GES) at the above referenced project sites: Parking Lots: 1678 & 1700 Park Avenue, New York, New York 10035 (the "Site"). Please see attached Site Location and Geophysical Survey maps for more details.

INTRODUCTION TO GEOPHYSICAL ENGINEERING SURVEY (GES)

NOVA performed a Geophysical engineering surveys (GES) consisting of a Ground Penetrating Radar (GPR) survey at the site. The purpose of this survey is to locate and identify USTs (if any), anomalies, utilities and other substructures and to clear and mark proposed environmental boring areas on August 8th, 2016.

The equipment selected for this investigation was a Noggin 250 MHz ground penetrating radar (GPR) shielded antenna and 3M DYNATL.

A GPR system consists of a radar control unit, control cable and a transducer (antenna). The control unit transmits a trigger pulse at a normal repetition rate of 250 MHz. The trigger pulse is sent to the transmitter electronics in the transducer via the control cable. The transmitter electronics amplify the trigger pulses into bipolar pulses that are radiated to the surface. The transformed pulses vary in shape and frequency according to the transducer used. In the subsurface, variations of the signal occur at boundaries where there is a dielectric contrast (void, steel, soil type, etc.). Signal reflections travel back to the control unit and are represented as color graphic images for interpolation.

GEOPHYSICAL METHODS

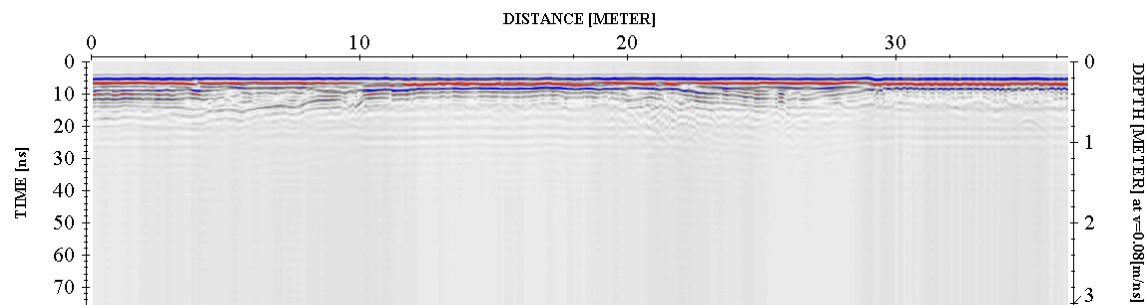
The project site was screened using the GPR to search the entire area and inspected for reflections, which could be indicative of major anomalies and substructures.

GPR data profiles were collected for the areas of the Site specified by the client. The surveyed areas consisted of concrete (Sidewalks) and asphalt surfaces.

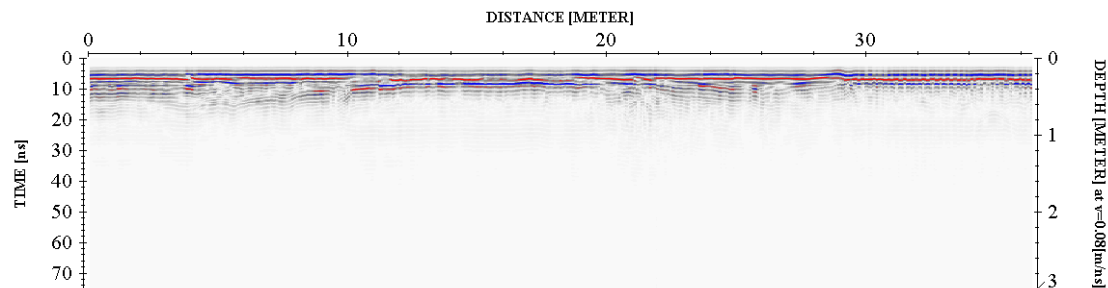
DATA PROCESSING

In order to improve the quality of the results and to better identify subsurface anomalies NOVA processed the collected data. The processes flow is briefly described at this section.

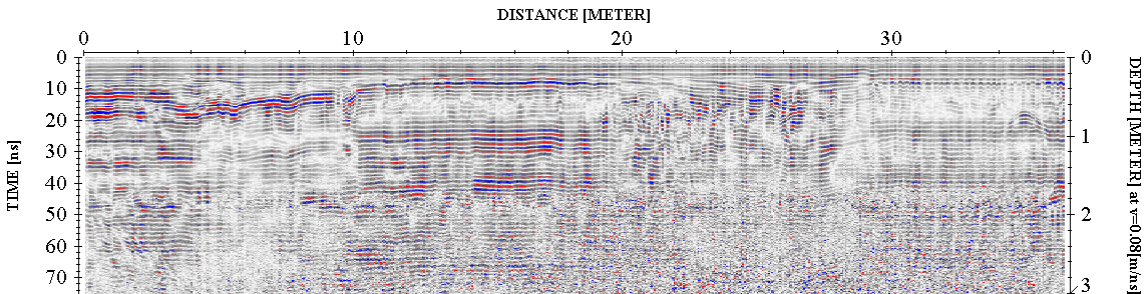
Step 1. Import raw RAMAC data to standard processing format



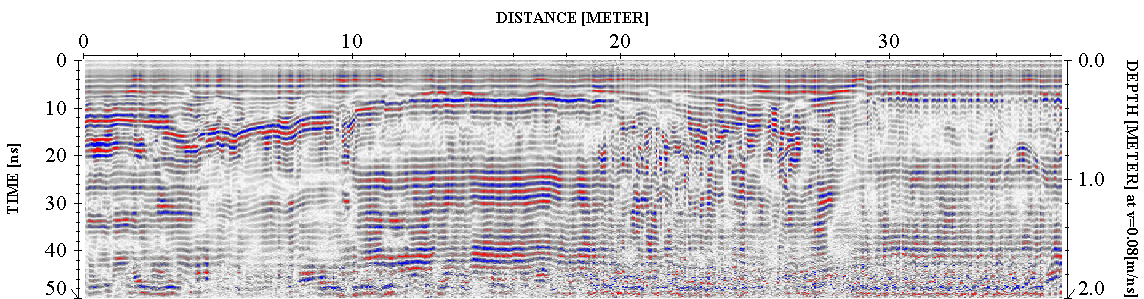
Step 2. Remove instrument noise (dewow)



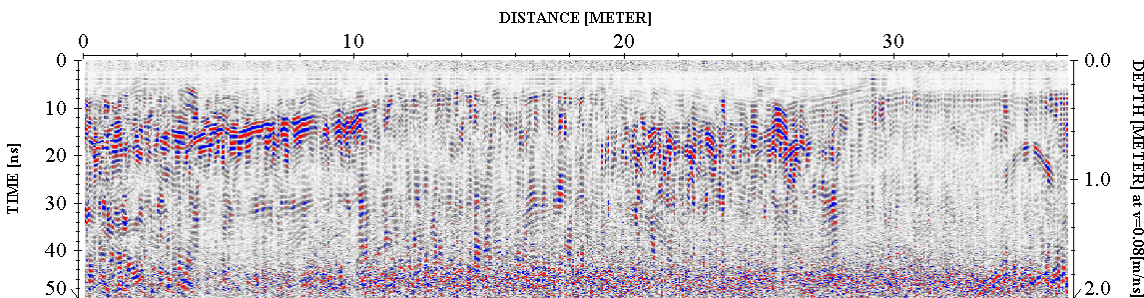
Step 3. Correct for attenuation losses (*energy decay function*)



Step 4. Remove static from bottom of profile (*time cut*)



Step 5. Mute horizontal ringing/noise (*subtracting average*)



The above example shows the significance of data processing. The last image (step 5) has higher resolution than the starting image (raw data – step 1) and describes the subsurface anomalies more accurately.

PHYSICAL SETTINGS

Nova observed following physical conditions at the time of the survey:

The weather: Overcast/Light Rain

Temp: 88 Degrees (F).

Surface: Concrete (sidewalk) and asphalt surfaces

Geophysical Noise Level (GNL): Geophysical Noise Level (GNL) was high at the site. The noise was a result of the site being located in an urban environment and active parking facility with multiple parked cars.

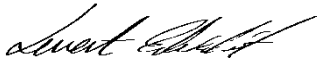
RESULTS

The results of the geophysical engineering survey (GES) identified following at the project Site:

- GES survey identified scattered anomalies located throughout the project site.
- GES identified number of storm drains located within the project sites. It was confirmed that all of the storm drains were interconnected with their final destination to the public sewer line.
- Several utilities (sewer, gas, water and electric) were located on the site. These utilities were marked out both at the sites and on the survey maps (subsurface only).
- Geophysical Survey Plan portrays the areas investigated during the geophysical survey.

If you have any questions please do not hesitate to contact the undersigned.
Sincerely,

NOVA Geophysical Services



Levent Eskicakit, P.G., E.P.
Project Engineer

Attachments:

Figure 1 Site Location Map
Geophysical Survey Plan
Geophysical Images

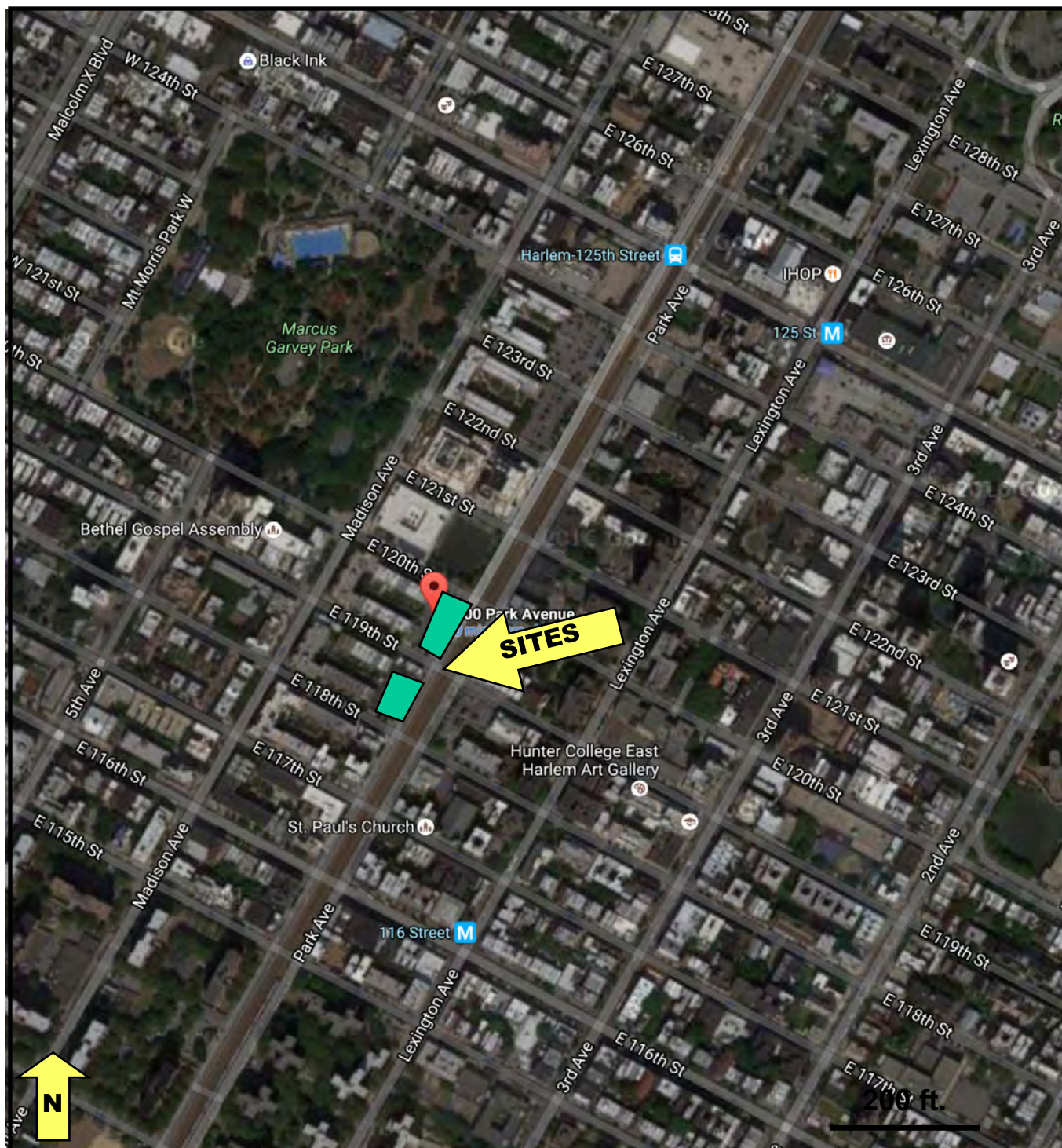


FIGURE 1
SITE LOCATION MAP

NOVA

Geophysical Services

Subsurface Mapping Solutions

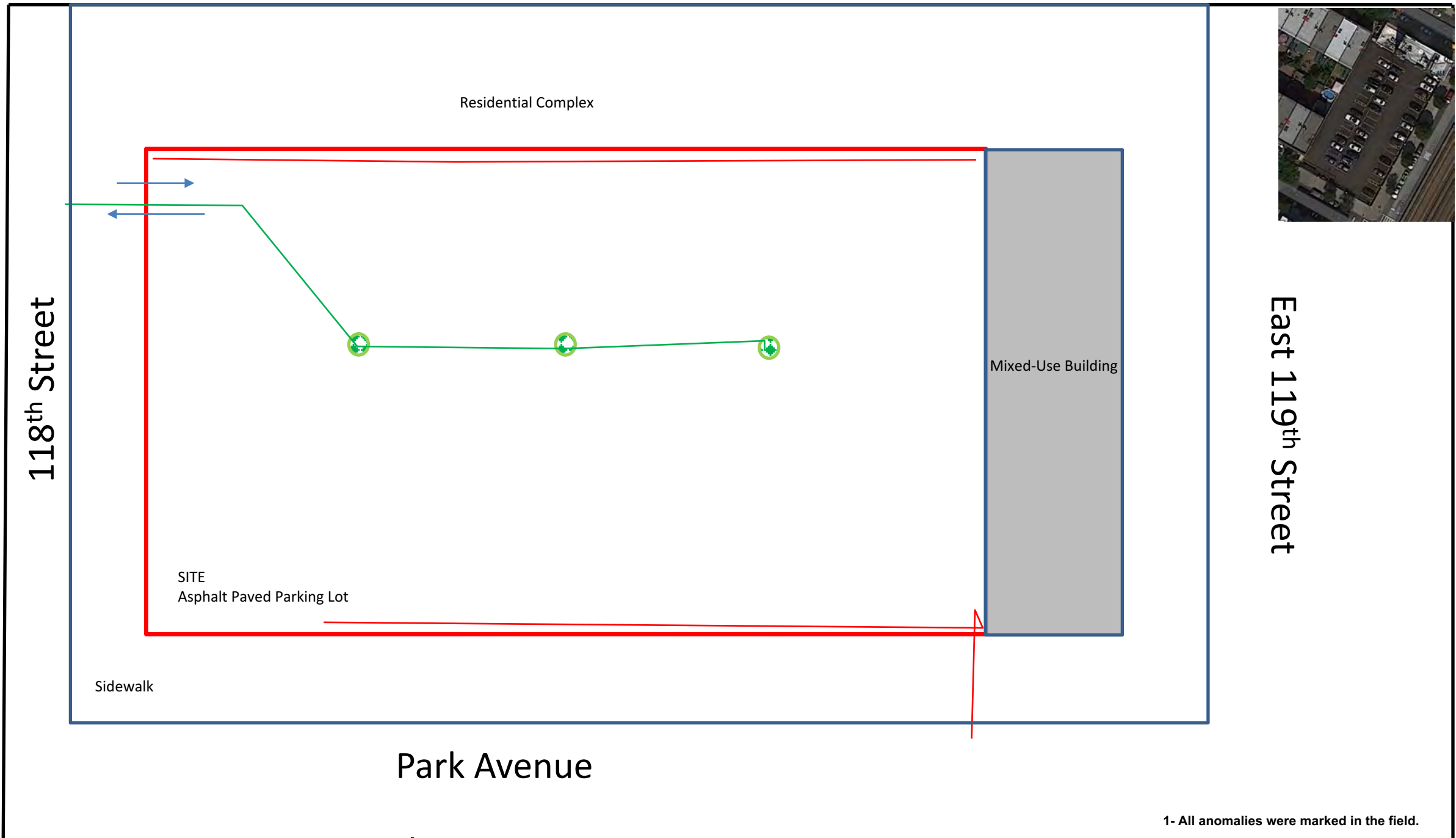
56-01 Marathon Pkwy, # 765, Douglaston, NY11362

(347) 556-7787 Fax (718) 261-1528

www.nova-gsi.com

SITE: Parking Lots
1678 & 1700 Park Avenue
New York, New York 10035

SCALE: See Map



NOVA
Geophysical Services
 Subsurface Mapping Solutions
 56-01 Marathon Parkway, # 765
 Douglaston, New York 11362
 Phone (347) 556-7787 * Fax (718) 261-1527
www.nova-gsi.com

GEOPHYSICAL SURVEY PLAN

SITE : **Parking Lot**
 1678 Park Avenue
 New York, New York 10035

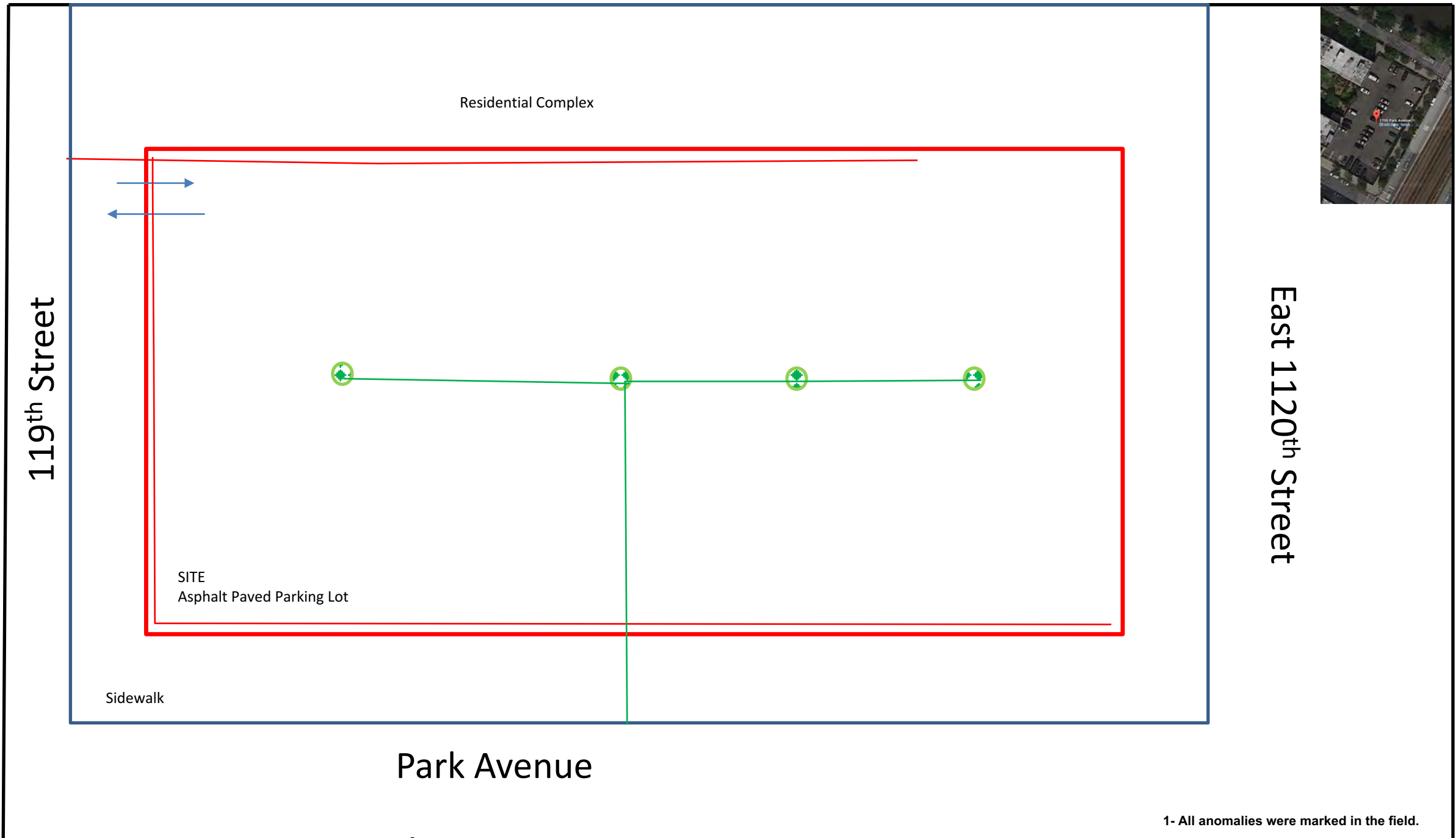
CLIENT: **AKRF, Inc.**
 DATE: August 8, 2016
 Scale: See Map

INFORMATION

- Survey Area
- Storm Drain Line
- Electrical Line
- ⊕ Storm Drain



10 Ft.



NOVA
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 Subsurface Mapping Solutions
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 Douglaston, New York 11362
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www.nova-gsi.com

GEOPHYSICAL SURVEY PLAN

SITE : **Parking Lot**
 1700 Park Avenue
 New York, New York 10035

CLIENT: **AKRF, Inc.**
 DATE: August 8, 2016
 Scale: See Map

INFORMATION

- Survey Area
- Storm Drain Line
- Electrical Line
- + Storm Drain



10 Ft.

GEOPHYSICAL IMAGES

Parking Lots

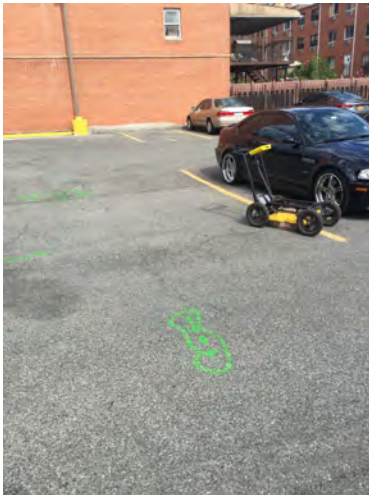
1678 & 1700 Park Avenue
New York, New York 10035
August 8th, 2016



GEOPHYSICAL IMAGES

Parking Lots

1678 & 1700 Park Avenue
New York, New York 10035
August 8th, 2016



SOIL BORING LOG		1678 & 1700 Park Avenue AKRF Project Number: 12431		Boring No. SB-1 Sheet 1 of 1				
 440 Park Avenue South, New York, NY Phone (212) 696-0670 Fax (212) 726-		Drilling Method: Geoprobe Sampling Method: 5' Macrocore Driller : EPHASE 2 Sampler: W. Grossett		Drilling				
				Start Time 9:56		Finish Time 10:10		
				Date 8/8/2016				
				Weather: Partly Cloudy, 80s				
Depth (feet)	Recovery (Inches)	Surface Condition:	Asphalt (4")	Odor	Moisture	PID	NAPL	Samples Collected for Lab Analysis
1	35	Top 4": ASPHALT. Bottom 31": Brown SAND, trace Gravel.		ND	Dry	ND	ND	SB-1 (1'-2') 10:25
2								
3								
4								
5								
6	31	31": Brown SAND, little Gravel, trace Schist (FILL). Refusal at 9'.		ND	Dry	ND	ND	SB-1 (8'-9') 10:35
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

Notes: Refusal at 9 feet below ground surface.
 Groundwater not encountered.

PID = photoionization detector (PPM= parts per million) ND = Not Detected

SOIL BORING LOG		1678 & 1700 Park Avenue AKRF Project Number: 12431		Boring No. SB-2 Sheet 1 of 1				
 440 Park Avenue South, New York, NY Phone (212) 696-0670 Fax (212) 726-		Drilling Method: Geoprobe Sampling Method: 5' Macrocore Driller : EPHASE 2 Sampler: W. Grossett		Drilling				
				Start Time 11:35		Finish Time 11:40		
				Date 8/8/2016				
				Weather: Partly Cloudy, 80s				
Depth (feet)	Recovery (Inches)	Surface Condition:	Asphalt (4")	Odor	Moisture	PID	NAPL	Samples Collected for Lab Analysis
1	25	Top 4": ASPHALT.		ND	Dry	ND	ND	SB-2 (1'-2') 11:50
2		Next 18": Brown SAND, trace Brick and Gravel (FILL).		ND	Dry	ND	ND	
3		Bottom 3": BRICK (FILL).		ND	Dry	ND	ND	
4								
5								
6	16	16": Brown SAND, little Gravel, trace Brick (FILL).		ND	Dry	ND	ND	SB-2 (8'-9') 12:00
7								
8		Refusal at 9'.						
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
Notes: Refusal at 9 feet below ground surface. Groundwater not encountered. PID = photoionization detector (PPM= parts per million) ND = Not Detected								

SOIL BORING LOG		1678 & 1700 Park Avenue AKRF Project Number: 12431		Boring No. SB-3 Sheet 1 of 1				
 440 Park Avenue South, New York, NY Phone (212) 696-0670 Fax (212) 726-		Drilling Method: Geoprobe Sampling Method: 5' Macrocore Driller : EPHASE 2 Sampler: W. Grossett		Drilling				
				Start Time 10:11		Finish Time 10:20		
				Date 8/9/2016				
				Weather: Mostly Sunny, 80s				
Depth (feet)	Recovery (Inches)	Surface Condition: Asphalt (4")		Odor	Moisture	PID	NAPL	Samples Collected for Lab Analysis
1	25	Top 4": ASPHALT. Bottom 18": Brown SAND, little Brick and Wood Fragments (FILL).		Petroleum-like	Dry	5.0	ND	SB-2 (2'-3') 10:40
2				Petroleum-like	Dry	10.7	ND	
3								
4								
5								
6	25	Top 3": BRICK (FILL). Next 3": WOOD FRAGMENTS (FILL). Bottom 19": Gray SAND, trace Gravel and Micaceous Schist (FILL).		Petroleum-like	Dry	4.7	ND	SB-3 (9'-10') 10:45
7				Petroleum-like	Dry	217.1	ND	
8				Petroleum-like	Dry	260	ND	
9								
10								
11	28	28": Gray SAND, trace Gravel.		Petroleum-like	Dry	102.7	ND	
12				Petroleum-like	Dry	112.6	ND	
13								
14								
15		Refusal at 15'.						
16								
17								
18								
19								
20								
Notes: Refusal at 15 feet below ground surface. Groundwater not encountered. PID = photoionization detector (PPM= parts per million) ND = Not Detected								

SOIL BORING LOG		1678 & 1700 Park Avenue AKRF Project Number: 12431		Boring No. SB-4 Sheet 1 of 1				
 440 Park Avenue South, New York, NY Phone (212) 696-0670 Fax (212) 726-		Drilling Method: Geoprobe Sampling Method: 5' Macrocore Driller : EPHASE 2 Sampler: W. Grossett		Drilling				
				Start Time 9:27		Finish Time 9:35		
				Date 8/9/2016				
				Weather: Mostly Sunny, 80s				
Depth (feet)	Recovery (Inches)	Surface Condition:		Odor	Moisture	PID	NAPL	Samples Collected for Lab Analysis
1 2 3 4 5	39	Top 4": ASPHALT. Next 14": Brown SAND and BRICK, trace Silt (FILL). Bottom 21": Brown SAND, little Silt.		ND ND	Dry Dry	ND ND	ND ND	SB-4 (1'-2') 9:55
6 7 8 9 10	41	41": Brown SAND, little Silt and Gravel.		ND	Dry	ND	ND	
11 12 13 14 15	29	Top 20": Brown SAND, trace Silt and Gravel. Bottom 9": Gray SAND, little Gravel. Refusal at 15'.		ND ND	Dry Dry	ND ND	ND ND	SB-4 (14'-15') 10:05
16 17 18 19 20								
Notes: Refusal at 15 feet below ground surface. Groundwater not encountered. PID = photoionization detector (PPM= parts per million) ND = Not Detected								

SOIL BORING LOG		1678 & 1700 Park Avenue AKRF Project Number: 12431		Boring No. SB-5 Sheet 1 of 1				
 440 Park Avenue South, New York, NY Phone (212) 696-0670 Fax (212) 726-0942		Drilling Method: Geoprobe Sampling Method: 5' Macrocore Driller : EPHASE 2 Sampler: W. Grossett		Drilling				
				Start Time 13:52		Finish Time 14:15		
				Date 8/9/2016				
				Weather: Mostly Sunny, 80s				
Depth (feet)	Recovery (Inches)	Surface Condition:	Asphalt (4")	Odor	Moisture	PID	NAPL	Samples Collected for Lab Analysis
1	21	Top 4": ASPHALT.		ND	Dry	ND	ND	SB-5 (1'-2') 14:25
2		Next 13": Gray SAND, little Gravel, trace Brick (FILL).		ND	Dry	ND	ND	
3		Bottom 4": BRICK (FILL).		ND	Dry	ND	ND	
4								
5								
6	15	Top 3": BRICK (FILL).		ND	Dry	ND	ND	
7		Bottom 12": Brown SAND, trace Silt.		ND	Dry	ND	ND	
8								
9								
10								
11	37	37": Brown SAND, trace Silt.		ND	Moist	ND	ND	SB-5 (12'-13') 14:30
12								
13								
14								
15								
16	12	12": Brown SAND, trace Silt.		ND	Wet	ND	ND	
17		Refusal at 18'.						
18								
19								
20								
Notes: Refusal at 18 feet below ground surface. Groundwater encountered at 13 feet below ground surface. Groundwater sample TW-1 collected from temporary monitoring well installed at SB-5. PID = photoionization detector (PPM= parts per million) ND = Not Detected								

SOIL BORING LOG		1678 & 1700 Park Avenue AKRF Project Number: 12431		Boring No. SB-6 Sheet 1 of 1				
 440 Park Avenue South, New York, NY Phone (212) 696-0670 Fax (212) 726-		Drilling Method: Geoprobe Sampling Method: 5' Macrocore Driller : EPHASE 2 Sampler: W. Grossett		Drilling Start Time 14:21 Finish Time 14:36 Date 8/9/2016 Weather: Mostly Sunny, 80s				
Depth (feet)	Recovery (Inches)	Surface Condition:		Odor	Moisture	PID	NAPL	Samples Collected for Lab Analysis
1	19	Top 4": ASPHALT.		ND	Dry	ND	ND	SB-5 (1'-2') 14:55
2		Next 6": Brown SAND, little Gravel and Brick (FILL).		ND	Dry	ND	ND	
3		Bottom 19": BRICK (FILL).		ND	Dry	ND	ND	
4								
5								
6	23	Top 5": Brown SAND, some Gravel (FILL).		ND	Dry	ND	ND	
7		Bottom 18": Brown SAND and GRAVEL (FILL).		ND	Dry	ND	ND	
8		Refusal at 7'.						
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
Notes: Refusal at 7 feet below ground surface. Groundwater not encountered. PID = photoionization detector (PPM= parts per million) ND = Not Detected								

SOIL BORING LOG		1678 & 1700 Park Avenue AKRF Project Number: 12431		Boring No. SB-7 Sheet 1 of 1				
 440 Park Avenue South, New York, NY Phone (212) 696-0670 Fax (212) 726-		Drilling Method: Geoprobe Sampling Method: 5' Macrocore Driller : EPHASE 2 Sampler: W. Grossett		Drilling Start Time 15:15 Finish Time 15:20 Date 8/9/2016 Weather: Mostly Sunny, 80s				
Depth (feet)	Recovery (Inches)	Surface Condition:		Odor	Moisture	PID	NAPL	Samples Collected for Lab Analysis
1	14	Top 4": ASPHALT.		ND	Dry	ND	ND	SB-7 (1'-2') 15:40
2		Bottom 10": Brown SAND and BRICK, little Asphalt (FILL).		ND	Dry	ND	ND	
3								
4								
5								
6	33	Top 18": Brown SAND and BRICK (FILL).		ND	Dry	ND	ND	SB-7 (8'-9') 15:50
7		Bottom 15": Gray SAND, some Schist.		ND	Dry	ND	ND	
8								
9			Refusal at 9'.					
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

Notes: Refusal at 9 feet below ground surface.
 Groundwater not encountered.
 PID = photoionization detector (PPM= parts per million) ND = Not Detected

SOIL BORING LOG		1678 & 1700 Park Avenue AKRF Project Number: 12431		Boring No. SB-8 Sheet 1 of 1				
 440 Park Avenue South, New York, NY Phone (212) 696-0670 Fax (212) 726-		Drilling Method: Geoprobe Sampling Method: 5' Macrocore Driller : EPHASE 2 Sampler: W. Grossett		Drilling				
				Start Time 13:18		Finish Time 13:25		
				Date 8/10/2016				
				Weather: Rain, 80s				
Depth (feet)	Recovery (Inches)	Surface Condition: Asphalt (4")		Odor	Moisture	PID	NAPL	Samples Collected for Lab Analysis
1	34	Top 4": ASPHALT.		ND	Dry	ND	ND	SB-8 (1'-2') 13:40
2		Next 16": Brown SAND, little Gravel, trace Brick (FILL).		ND	Dry	ND	ND	
3		Bottom 14": BRICK and SAND, trace Gravel (FILL).		ND	Dry	ND	ND	
4								
5								
6	23	23": Brown SAND, some Brick, little Gravel (FILL).		ND	Dry	ND	ND	SB-8 (8'-9') 13:50
7								
8		Refusal at 9'.						
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
Notes: Refusal at 9 feet below ground surface. Groundwater not encountered. PID = photoionization detector (PPM= parts per million) ND = Not Detected								

SOIL BORING LOG		1678 & 1700 Park Avenue AKRF Project Number: 12431		Boring No. SB-9 Sheet 1 of 1				
 440 Park Avenue South, New York, NY Phone (212) 696-0670 Fax (212) 726-0942		Drilling Method: Geoprobe Sampling Method: 5' Macrocore Driller : EPHASE 2 Sampler: W. Grossett		Drilling				
				Start Time 9:51		Finish Time 10:10		
				Date 8/10/2016				
				Weather: Overcast, 80s				
Depth (feet)	Recovery (Inches)	Surface Condition: Asphalt (5")		Odor	Moisture	PID	NAPL	Samples Collected for Lab Analysis
1	34	Top 5": ASPHALT.		ND	Dry	ND	ND	SB-8 (1'-2') 13:40
2		Bottom 22": Brown SAND, little Gravel and Brick, trace Wood Fragments (FILL).		ND	Dry	ND	ND	
3								
4								
5								
6	32	Top 10": BRICK, little Sand and Gravel (FILL).		ND	Dry	ND	ND	SB-8 (8'-9') 13:50
7		Bottom 22": Brown SAND, little Gravel, trace Brick (FILL).		ND	Moist	ND	ND	
8								
9								
10								
11	56	Top 12": Brown SAND, some Brick (FILL).		ND	Wet	ND	ND	
12		Bottom 44": Brown SAND, little Gravel, trace Silt.		ND	Wet	ND	ND	
13								
14								
15								
16	56	56": Brown SAND, trace Gravel and Silt.		ND	Wet	ND	ND	
17		Refusal at 17'.						
18								
19								
20								
Notes: Refusal at 17 feet below ground surface. Groundwater encountered at 9 feet below ground surface. Groundwater sample TW-2 collected from temporary monitoring well installed at SB-9. PID = photoionization detector (PPM= parts per million) ND = Not Detected								

SOIL BORING LOG		1678 & 1700 Park Avenue AKRF Project Number: 12431		Boring No. SB-10 Sheet 1 of 1				
 440 Park Avenue South, New York, NY Phone (212) 696-0670 Fax (212) 726-		Drilling Method: Geoprobe Sampling Method: 5' Macrocore Driller : EPHASE 2 Sampler: W. Grossett		Drilling Start Time 13:35 Finish Time 13:45 Date 8/10/2016 Weather: Overcast, 80s				
Depth (feet)	Recovery (Inches)	Surface Condition:	Asphalt (4")	Odor	Moisture	PID	NAPL	Samples Collected for Lab Analysis
1	34	Top 4": ASPHALT.		ND	Dry	ND	ND	SB-10 (1'-2') 14:05
2		Bottom 42": Gray SAND and GRAVEL, little Brick (FILL).		ND	Dry	ND	ND	
3								
4								
5								
6	23	38": Gray SAND and GRAVEL, trace Schist (FILL).		ND	Dry	ND	ND	SB-8 (8'-9') 14:15
7		Refusal at 9'.						
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
Notes: Refusal at 9 feet below ground surface. Groundwater not encountered. PID = photoionization detector (PPM= parts per million) ND = Not Detected								

SOIL BORING LOG		1678 & 1700 Park Avenue AKRF Project Number: 12431		Boring No. SB-11 Sheet 1 of 1				
 440 Park Avenue South, New York, NY Phone (212) 696-0670 Fax (212) 726-		Drilling Method: Geoprobe		Drilling				
		Sampling Method: 5' Macrocore		Start Time 15:34		Finish Time 15:40		
		Driller : EPHASE 2		Date 8/10/2016				
		Sampler: W. Grossett		Weather: Sunny, 80s				
Depth (feet)	Recovery (Inches)	Surface Condition:		Odor	Moisture	PID	NAPL	Samples Collected for Lab Analysis
1	34	Top 7": ASPHALT.		ND	Dry	ND	ND	SB-11 (1'-2') 16:20
2		Next 14": Brown SAND and GRAVEL, trace Brick (FILL).		ND	Dry	ND	ND	
3		Bottom 13": BRICK, little Sand (FILL).		ND	Dry	ND	ND	
4								
5								
6	28	Top 8": BRICK (FILL).		ND	Dry	ND	ND	SB-11 (8'-9') 16:25
7		Bottom 20": Brown SAND, some Gravel and Schist.		ND	Dry	ND	ND	
8		Refusal at 9'.						
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
Notes: Refusal at 9 feet below ground surface. Groundwater not encountered. PID = photoionization detector (PPM= parts per million) ND = Not Detected								

APPENDIX E
GROUNDWATER SAMPLING LOGS

AKRF, Inc.						Well Development Log		
Environmental Consultants								
Job No: 12431			Client: BFC Partners			Well No: TW-1		
Project Location: 1678 & 1700 Park Avenue			Sampled By: W. Grossett					
Date: 8/8/2016			Time: 16:10					
Total Depth: 20.4 ft.			Well Diameter: 2 in.			*= 0.163 * WC for 2" wells		
Depth to Water: 16.15 ft.			Well Volume*: 0.693 gal.			*= 0.653 * WC for 4" wells		
Water Column (WC): 4.25 ft.			PID at surface: 0.0 ppm			*= 1.469 * WC for 6" wells		
Casing height above asphalt surface: 40.5 in.								
Time	Pump Rate	Turbidity (NTU)	Temperature (°C)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Comments
3:55 PM	100	0	22.88	2.56	8.17	6.61	-97	Pump intake: 19' below casing
4:00 PM	100	961	21.60	2.55	6.11	6.53	-162	
4:05 PM	100	307	21.59	2.52	5.25	6.49	-162	
4:10 PM	100	108	21.42	2.51	4.73	6.46	-161	Finish purging. Collect sample.
Total Volume Purged: 2.5 gal.			Purge until turbidity is less than 10 NTU for three successive readings or until water quality indicators are within 10% for three successive readings. Purge a minimum of three well volumes.					

AKRF, Inc.

Environmental Consultants

Well Development Log

Job No: 12431				Client: BFC Partners				Well No: TW-2
Project Location: 1678 & 1700 Park Avenue				Sampled By: W. Grossett				
Date: 8/10/2016				Time: 11:20				
Total Depth: 15.4 ft.				Well Diameter: 2 in.				*= 0.163 * WC for 2" wells
Depth to Water: 13.15 ft.				Well Volume*: 0.367 gal.				*= 0.653 * WC for 4" wells
Water Column (WC): 2.25 ft.				PID at surface: 0.0 ppm				*= 1.469 * WC for 6" wells
Casing height above asphalt surface: 5.5 in.								
Time	Pump Rate	Turbidity (NTU)	Temperature (°C)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Comments
10:55 AM	100	987	24.61	9.89	4.90	6.83	-63	Pump intake: 14.5' below casing
11:00 AM	100	0.0	22.66	9.93	2.57	6.80	-62	
11:05 AM	100	0.0	22.00	9.76	2.22	6.78	-62	
11:10 AM	100	0.0	21.61	9.71	1.99	6.76	-62	
11:15 AM	100	0.0	21.34	9.43	1.81	6.76	-59	
11:20 AM	100	1000	20.98	9.47	1.71	6.75	-61	Finish purging. Collect sample.
Total Volume Purged: 2.5 gal.			Purge until turbidity is less than 10 NTU for three successive readings or until water quality indicators are within 10% for three successive readings. Purge a minimum of three well volumes.					

APPENDIX F
SOIL VAPOR SAMPLING LOGS

Job No: 12431 **Client:** BFC Partners
Project Location: 1678 & 1700 Park Ave. **Sampled By:** W. Grossett
Date: 08/08/2016

Sample ID: SV-1
Canister ID: 17347
Flow Controller ID: Y9

Purging

Time Started: 10:58
Time Stopped: 11:08
Vol. Purged: 1.0 liter
Flow Rate: 0.1 L/min

Laboratory Sample (Summa Canister)

Time Started: 11:18 **Vacuum:** -30 inHg
Time Stopped: 13:18 **Vacuum:** -6 inHg

Field Sample

PID Calibration: 100 ppm Isobutylene
Time Started: 11:07
Time Stopped: 11:08
PID Reading: 5.4 ppm
He Reading 0 %

Job No: 12431 **Client:** BFC Partners
Project Location: 1678 & 1700 Park Ave. **Sampled By:** W. Grossett
Date: 08/08/2016

Sample ID: SV-2
Canister ID: 473
Flow Controller ID: Y16

Purging

Time Started: 12:20
Time Stopped: 12:30
Vol. Purged: 1.0 liter
Flow Rate: 0.1 L/min

Laboratory Sample (Summa Canister)

Time Started: 12:33 **Vacuum:** -28 inHg
Time Stopped: 14:34 **Vacuum:** -5 inHg

Field Sample

PID Calibration: 100 ppm Isobutylene
Time Started: 12:29
Time Stopped: 12:30
PID Reading: 5.5 ppm
He Reading 0 %

Job No: 12431 **Client:** BFC Partners
Project Location: 1678 & 1700 Park Ave. **Sampled By:** W. Grossett
Date: 08/09/2016

Sample ID: SV-3
Canister ID: 442
Flow Controller ID: 3542

Purging

Time Started: 9:20
Time Stopped: 9:30
Vol. Purged: 1.0 liter
Flow Rate: 0.1 L/min

Laboratory Sample (Summa Canister)

Time Started: 9:37 **Vacuum:** -30 inHg
Time Stopped: 11:37 **Vacuum:** -5.5 inHg

Field Sample

PID Calibration: 100 ppm Isobutylene
Time Started: 9:29
Time Stopped: 9:30
PID Reading: 9.5 ppm
He Reading 0 %

Job No: 12431 **Client:** BFC Partners
Project Location: 1678 & 1700 Park Ave. **Sampled By:** W. Grossett
Date: 08/08/2016

Sample ID: SV-4
Canister ID: Y49
Flow Controller ID: T16

Purging

Time Started: 15:12
Time Stopped: 15:22
Vol. Purged: 1.0 liter
Flow Rate: 0.1 L/min

Laboratory Sample (Summa Canister)

Time Started: 15:26 **Vacuum:** -29.5 inHg
Time Stopped: 17:13 **Vacuum:** -7 inHg

Field Sample

PID Calibration: 100 ppm Isobutylene
Time Started: 15:21
Time Stopped: 15:22
PID Reading: 7.5 ppm
He Reading 0 %

Job No: 12431 **Client:** BFC Partners
Project Location: 1678 & 1700 Park Ave. **Sampled By:** W. Grossett
Date: 08/09/2016

Sample ID: SV-5
Canister ID: 18304
Flow Controller ID: Y23

Purging

Time Started: 13:47
Time Stopped: 13:57
Vol. Purged: 1.0 liter
Flow Rate: 0.1 L/min

Laboratory Sample (Summa Canister)

Time Started: 14:03 **Vacuum:** -30 inHg
Time Stopped: 16:03 **Vacuum:** -6 inHg

Field Sample

PID Calibration: 100 ppm Isobutylene
Time Started: 13:56
Time Stopped: 13:57
PID Reading: 5.3 ppm
He Reading 0 %

Job No: 12431 **Client:** BFC Partners
Project Location: 1678 & 1700 Park Ave. **Sampled By:** W. Grossett
Date: 08/10/2016

Sample ID: SV-6
Canister ID: Y67
Flow Controller ID: Y39

Purging

Time Started: 9:05
Time Stopped: 9:15
Vol. Purged: 1.0 liter
Flow Rate: 0.1 L/min

Laboratory Sample (Summa Canister)

Time Started: 9:19 **Vacuum:** -30 inHg
Time Stopped: 11:33 **Vacuum:** -9 inHg

Field Sample

PID Calibration: 100 ppm Isobutylene
Time Started: 9:14
Time Stopped: 9:15
PID Reading: 2.3 ppm
He Reading 0 %

Job No: 12431 **Client:** BFC Partners
Project Location: 1678 & 1700 Park Ave. **Sampled By:** W. Grossett
Date: 08/10/2016

Sample ID: SV-7
Canister ID: S24
Flow Controller ID: Y20

Purging

Time Started: 9:25
Time Stopped: 9:35
Vol. Purged: 1.0 liter
Flow Rate: 0.1 L/min

Laboratory Sample (Summa Canister)

Time Started: 9:41 **Vacuum:** -28.5 inHg
Time Stopped: 11:34 **Vacuum:** -5 inHg

Field Sample

PID Calibration: 100 ppm Isobutylene
Time Started: 9:34
Time Stopped: 9:35
PID Reading: 2.1 ppm
He Reading 0 %

Job No: 12431 **Client:** BFC Partners
Project Location: 1678 & 1700 Park Ave. **Sampled By:** W. Grossett
Date: 08/09/2016

Sample ID: SV-8
Canister ID: S23
Flow Controller ID: 7423

Purging

Time Started: 13:28
Time Stopped: 13:38
Vol. Purged: 1.0 liter
Flow Rate: 0.1 L/min

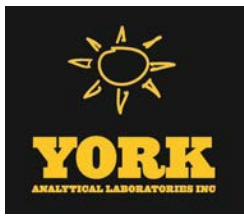
Laboratory Sample (Summa Canister)

Time Started: 13:45 **Vacuum:** -29.5 inHg
Time Stopped: 13:53 **Vacuum:** -13 inHg

Field Sample

PID Calibration: 100 ppm Isobutylene
Time Started: 13:37
Time Stopped: 13:38
PID Reading: 6.7 ppm
He Reading 0 %

APPENDIX G
LABORATORY ANALYTICAL REPORTS



Technical Report

prepared for:

AKRF, Inc.
440 Park Avenue South, 7th Floor
New York NY, 10016
Attention: Patrick Diggins

Report Date: 08/15/2016
Client Project ID: 1678 & 1700 Park Avenue
York Project (SDG) No.: 16H0404

CT Cert. No. PH-0723

New Jersey Cert. No. CT-005



New York Cert. No. 10854

PA Cert. No. 68-04440

Report Date: 08/15/2016
Client Project ID: 1678 & 1700 Park Avenue
York Project (SDG) No.: 16H0404

AKRF, Inc.
440 Park Avenue South, 7th Floor
New York NY, 10016
Attention: Patrick Diggins

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on August 08, 2016 and listed below. The project was identified as your project: **1678 & 1700 Park Avenue**.

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 Notes 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 attachment to 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>
16H0404-01	SB-1 (1'-2')	Soil	08/08/2016	08/08/2016
16H0404-02	SB-1 (8'-9')	Soil	08/08/2016	08/08/2016
16H0404-03	SB-2 (1'-2')	Soil	08/08/2016	08/08/2016
16H0404-04	SB-2 (8'-9')	Soil	08/08/2016	08/08/2016
16H0404-05	SB-5 (1'-2')	Soil	08/08/2016	08/08/2016
16H0404-06	SB-5 (12'-13')	Soil	08/08/2016	08/08/2016
16H0404-07	TW-1	Water	08/08/2016	08/08/2016
16H0404-08	Trip Blank	Water	08/08/2016	08/08/2016

General Notes for York Project (SDG) No.: 16H0404

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 samples were received in proper condition for analysis with proper documentation, unless otherwise noted.
6. All analyses conducted met method or Laboratory SOP requirements. See the Qualifiers and/or Narrative sections for further information.
7. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
8. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.

Approved By:



Benjamin Gulizia
Laboratory Director

Date: 08/15/2016





Sample Information

Client Sample ID: SB-1 (1'-2')

York Sample ID: 16H0404-01

York Project (SDG) No.

16H0404

Client Project ID

1678 & 1700 Park Avenue

Matrix

Soil

Collection Date/Time

August 8, 2016 10:25 am

Date Received

08/08/2016

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 17:52	BK
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 08:00	08/11/2016 17:52	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 08:00	08/11/2016 17:52	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 17:52	BK
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 08:00	08/11/2016 17:52	BK
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 08:00	08/11/2016 17:52	BK
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 08:00	08/11/2016 17:52	BK
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 17:52	BK
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 17:52	BK
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 17:52	BK
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 17:52	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 17:52	BK
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 17:52	BK
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 08:00	08/11/2016 17:52	BK
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 08:00	08/11/2016 17:52	BK
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 17:52	BK
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 17:52	BK
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 08:00	08/11/2016 17:52	BK
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 08:00	08/11/2016 17:52	BK
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.039	0.079	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 17:52	BK
78-93-3	2-Butanone	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 17:52	BK
591-78-6	2-Hexanone	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 17:52	BK
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 17:52	BK



Sample Information

Client Sample ID: SB-1 (1'-2')

York Sample ID: 16H0404-01

York Project (SDG) No.

16H0404

Client Project ID

1678 & 1700 Park Avenue

Matrix

Soil

Collection Date/Time

August 8, 2016 10:25 am

Date Received

08/08/2016

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-64-1	Acetone	ND	SCAL- E	mg/kg dry	0.0039	0.0079	1	EPA 8260C Certifications:	08/11/2016 08:00	08/11/2016 17:52	BK
								CTDOH,NELAC-NY10854,NJDEP			
107-02-8	Acrolein	ND		mg/kg dry	0.0039	0.0079	1	EPA 8260C Certifications:	08/11/2016 08:00	08/11/2016 17:52	BK
								CTDOH,NELAC-NY10854,NJDEP			
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications:	08/11/2016 08:00	08/11/2016 17:52	BK
								CTDOH,NELAC-NY10854,NJDEP			
71-43-2	Benzene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications:	08/11/2016 08:00	08/11/2016 17:52	BK
								CTDOH,NELAC-NY10854,NJDEP,PADEP			
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications:	08/11/2016 08:00	08/11/2016 17:52	BK
								NELAC-NY10854,NJDEP			
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications:	08/11/2016 08:00	08/11/2016 17:52	BK
								CTDOH,NELAC-NY10854,NJDEP,PADEP			
75-25-2	Bromoform	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications:	08/11/2016 08:00	08/11/2016 17:52	BK
								CTDOH,NELAC-NY10854,NJDEP,PADEP			
74-83-9	Bromomethane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications:	08/11/2016 08:00	08/11/2016 17:52	BK
								CTDOH,NELAC-NY10854,NJDEP,PADEP			
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications:	08/11/2016 08:00	08/11/2016 17:52	BK
								CTDOH,NELAC-NY10854,NJDEP			
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications:	08/11/2016 08:00	08/11/2016 17:52	BK
								CTDOH,NELAC-NY10854,NJDEP,PADEP			
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications:	08/11/2016 08:00	08/11/2016 17:52	BK
								CTDOH,NELAC-NY10854,NJDEP,PADEP			
75-00-3	Chloroethane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications:	08/11/2016 08:00	08/11/2016 17:52	BK
								CTDOH,NELAC-NY10854,NJDEP,PADEP			
67-66-3	Chloroform	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications:	08/11/2016 08:00	08/11/2016 17:52	BK
								CTDOH,NELAC-NY10854,NJDEP,PADEP			
74-87-3	Chloromethane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications:	08/11/2016 08:00	08/11/2016 17:52	BK
								CTDOH,NELAC-NY10854,NJDEP,PADEP			
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications:	08/11/2016 08:00	08/11/2016 17:52	BK
								CTDOH,NELAC-NY10854,NJDEP			
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications:	08/11/2016 08:00	08/11/2016 17:52	BK
								CTDOH,NELAC-NY10854,NJDEP,PADEP			
110-82-7	Cyclohexane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications:	08/11/2016 08:00	08/11/2016 17:52	BK
								NELAC-NY10854,NJDEP			
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications:	08/11/2016 08:00	08/11/2016 17:52	BK
								NELAC-NY10854,NJDEP,PADEP			
74-95-3	Dibromomethane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications:	08/11/2016 08:00	08/11/2016 17:52	BK
								NELAC-NY10854,NJDEP			
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications:	08/11/2016 08:00	08/11/2016 17:52	BK
								NELAC-NY10854,NJDEP			
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications:	08/11/2016 08:00	08/11/2016 17:52	BK
								CTDOH,NELAC-NY10854,NJDEP,PADEP			
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications:	08/11/2016 08:00	08/11/2016 17:52	BK
								NELAC-NY10854,NJDEP			
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications:	08/11/2016 08:00	08/11/2016 17:52	BK
								CTDOH,NELAC-NY10854,NJDEP			



Sample Information

Client Sample ID: SB-1 (1'-2')

York Sample ID: 16H0404-01

York Project (SDG) No.

16H0404

Client Project ID

1678 & 1700 Park Avenue

Matrix

Soil

Collection Date/Time

August 8, 2016 10:25 am

Date Received

08/08/2016

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-20-9	Methyl acetate	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 17:52	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 17:52	BK
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 17:52	BK
75-09-2	Methylene chloride	ND		mg/kg dry	0.0039	0.0079	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 08:00	08/11/2016 17:52	BK
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 17:52	BK
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 17:52	BK
95-47-6	o-Xylene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854	08/11/2016 08:00	08/11/2016 17:52	BK
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0039	0.0079	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854	08/11/2016 08:00	08/11/2016 17:52	BK
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 17:52	BK
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 17:52	BK
100-42-5	Styrene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 17:52	BK
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 17:52	BK
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 17:52	BK
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 08:00	08/11/2016 17:52	BK
108-88-3	Toluene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 08:00	08/11/2016 17:52	BK
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 17:52	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 08:00	08/11/2016 17:52	BK
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 08:00	08/11/2016 17:52	BK
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 08:00	08/11/2016 17:52	BK
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 08:00	08/11/2016 17:52	BK
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0059	0.012	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 08:00	08/11/2016 17:52	BK
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	97.8 %	77-125								
2037-26-5	Surrogate: Toluene-d8	101 %	85-120								
460-00-4	Surrogate: p-Bromofluorobenzene	95.3 %	76-130								



Sample Information

Client Sample ID: SB-1 (1'-2')

York Sample ID: 16H0404-01

York Project (SDG) No.

16H0404

Client Project ID

1678 & 1700 Park Avenue

Matrix

Soil

Collection Date/Time

August 8, 2016 10:25 am

Date Received

08/08/2016

Semi-Volatiles, 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	0.0481	0.0959	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 16:59	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0959	0.192	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 16:59	KH
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 16:59	KH
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/12/2016 07:19	08/12/2016 16:59	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 16:59	KH
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/12/2016 07:19	08/12/2016 16:59	KH
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/12/2016 07:19	08/12/2016 16:59	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0959	0.192	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 16:59	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 16:59	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 16:59	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 16:59	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 16:59	KH
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0959	0.192	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 16:59	KH
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 16:59	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 16:59	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 16:59	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 16:59	KH
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 16:59	KH
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 16:59	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0959	0.192	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 16:59	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 16:59	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 16:59	KH
91-94-1	3,3'-Dichlorobenzidine	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 16:59	KH



Sample Information

Client Sample ID: SB-1 (1'-2')

York Sample ID: 16H0404-01

York Project (SDG) No.

16H0404

Client Project ID

1678 & 1700 Park Avenue

Matrix

Soil

Collection Date/Time

August 8, 2016 10:25 am

Date Received

08/08/2016

Semi-Volatiles, 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	0.0959	0.192	2	EPA 8270D Certifications:	08/12/2016 07:19 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 16:59	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0959	0.192	2	EPA 8270D Certifications:	08/12/2016 07:19 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 16:59	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications:	08/12/2016 07:19 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 16:59	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications:	08/12/2016 07:19 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 16:59	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications:	08/12/2016 07:19 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 16:59	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications:	08/12/2016 07:19 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 16:59	KH
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0959	0.192	2	EPA 8270D Certifications:	08/12/2016 07:19 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 16:59	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0959	0.192	2	EPA 8270D Certifications:	08/12/2016 07:19 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 16:59	KH
83-32-9	Acenaphthene	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications:	08/12/2016 07:19 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 16:59	KH
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications:	08/12/2016 07:19 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 16:59	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications:	08/12/2016 07:19 NELAC-NY10854,NJDEP,PADEP	08/12/2016 16:59	KH
62-53-3	Aniline	ND		mg/kg dry	0.192	0.384	2	EPA 8270D Certifications:	08/12/2016 07:19 NELAC-NY10854,NJDEP,PADEP	08/12/2016 16:59	KH
120-12-7	Anthracene	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications:	08/12/2016 07:19 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 16:59	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications:	08/12/2016 07:19 NELAC-NY10854,NJDEP,PADEP	08/12/2016 16:59	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications:	08/12/2016 07:19 NELAC-NY10854,NJDEP,PADEP	08/12/2016 16:59	KH
92-87-5	Benzidine	ND		mg/kg dry	0.192	0.384	2	EPA 8270D Certifications:	08/12/2016 07:19 CTDOH,NELAC-NY10854,PADEP	08/12/2016 16:59	KH
56-55-3	Benzo(a)anthracene	0.0736	J	mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications:	08/12/2016 07:19 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 16:59	KH
50-32-8	Benzo(a)pyrene	0.0537	J	mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications:	08/12/2016 07:19 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 16:59	KH
205-99-2	Benzo(b)fluoranthene	0.0613	J	mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications:	08/12/2016 07:19 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 16:59	KH
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications:	08/12/2016 07:19 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 16:59	KH
207-08-9	Benzo(k)fluoranthene	0.0560	J	mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications:	08/12/2016 07:19 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 16:59	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications:	08/12/2016 07:19 NELAC-NY10854,NJDEP,PADEP	08/12/2016 16:59	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications:	08/12/2016 07:19 NELAC-NY10854,NJDEP,PADEP	08/12/2016 16:59	KH



Sample Information

Client Sample ID: SB-1 (1'-2')

York Sample ID: 16H0404-01

York Project (SDG) No.

16H0404

Client Project ID

1678 & 1700 Park Avenue

Matrix

Soil

Collection Date/Time

August 8, 2016 10:25 am

Date Received

08/08/2016

Semi-Volatiles, 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	0.0481	0.0959	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 16:59	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 16:59	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 16:59	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 16:59	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 16:59	KH
105-60-2	Caprolactam	ND		mg/kg dry	0.0959	0.192	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 16:59	KH
86-74-8	Carbazole	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 16:59	KH
218-01-9	Chrysene	0.0774	J	mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 16:59	KH
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 16:59	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 16:59	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 16:59	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 16:59	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 16:59	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 16:59	KH
206-44-0	Fluoranthene	0.180		mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 16:59	KH
86-73-7	Fluorene	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 16:59	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 16:59	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 16:59	KH
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 16:59	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 16:59	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 16:59	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 16:59	KH
91-20-3	Naphthalene	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 16:59	KH



Sample Information

Client Sample ID: SB-1 (1'-2')

York Sample ID: 16H0404-01

York Project (SDG) No.

16H0404

Client Project ID

1678 & 1700 Park Avenue

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Collection Date/Time

August 8, 2016 10:25 am

Date Received

08/08/2016

Semi-Volatiles, 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	0.0481	0.0959	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 16:59	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 16:59	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 16:59	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 16:59	KH
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 16:59	KH
85-01-8	Phenanthrene	0.148		mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 16:59	KH
108-95-2	Phenol	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 16:59	KH
129-00-0	Pyrene	0.136		mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 16:59	KH
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: 2-Fluorophenol	66.5 %	20-108								
4165-62-2	Surrogate: Phenol-d5	64.1 %	23-114								
4165-60-0	Surrogate: Nitrobenzene-d5	52.7 %	22-108								
321-60-8	Surrogate: 2-Fluorobiphenyl	62.6 %	21-113								
118-79-6	Surrogate: 2,4,6-Tribromophenol	68.7 %	19-110								
1718-51-0	Surrogate: Terphenyl-d14	51.1 %	24-116								

Pesticides, 8081 target list

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
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00190	0.00190	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 09:10	08/10/2016 01:49	AMC
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00190	0.00190	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 09:10	08/10/2016 01:49	AMC
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00190	0.00190	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 09:10	08/10/2016 01:49	AMC
309-00-2	Aldrin	ND		mg/kg dry	0.00190	0.00190	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 09:10	08/10/2016 01:49	AMC
319-84-6	alpha-BHC	ND		mg/kg dry	0.00190	0.00190	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 09:10	08/10/2016 01:49	AMC
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00190	0.00190	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/09/2016 09:10	08/10/2016 01:49	AMC
319-85-7	beta-BHC	ND		mg/kg dry	0.00190	0.00190	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 09:10	08/10/2016 01:49	AMC
57-74-9	Chlordane, total	ND		mg/kg dry	0.0759	0.0759	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 09:10	08/10/2016 01:49	AMC



Sample Information

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Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
319-86-8	delta-BHC	ND		mg/kg dry	0.00190	0.00190	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 09:10	08/10/2016 01:49	AMC
60-57-1	Dieldrin	ND		mg/kg dry	0.00190	0.00190	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 09:10	08/10/2016 01:49	AMC
959-98-8	Endosulfan I	ND		mg/kg dry	0.00190	0.00190	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 09:10	08/10/2016 01:49	AMC
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00190	0.00190	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 09:10	08/10/2016 01:49	AMC
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00190	0.00190	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 09:10	08/10/2016 01:49	AMC
72-20-8	Endrin	ND		mg/kg dry	0.00190	0.00190	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 09:10	08/10/2016 01:49	AMC
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00190	0.00190	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 09:10	08/10/2016 01:49	AMC
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00190	0.00190	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 09:10	08/10/2016 01:49	AMC
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00190	0.00190	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 09:10	08/10/2016 01:49	AMC
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00190	0.00190	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/09/2016 09:10	08/10/2016 01:49	AMC
76-44-8	Heptachlor	ND		mg/kg dry	0.00190	0.00190	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 09:10	08/10/2016 01:49	AMC
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00190	0.00190	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 09:10	08/10/2016 01:49	AMC
72-43-5	Methoxychlor	ND		mg/kg dry	0.00949	0.00949	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 09:10	08/10/2016 01:49	AMC
8001-35-2	Toxaphene	ND		mg/kg dry	0.0960	0.0960	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 09:10	08/10/2016 01:49	AMC
Surrogate Recoveries		Result		Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	69.0 %		30-140							
2051-24-3	Surrogate: Decachlorobiphenyl	71.6 %		30-140							

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0192	0.0192	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/09/2016 09:10	08/11/2016 08:10	AMC
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0192	0.0192	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/09/2016 09:10	08/11/2016 08:10	AMC
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0192	0.0192	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/09/2016 09:10	08/11/2016 08:10	AMC
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0192	0.0192	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/09/2016 09:10	08/11/2016 08:10	AMC
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0192	0.0192	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/09/2016 09:10	08/11/2016 08:10	AMC



Sample Information

Client Sample ID: SB-1 (1'-2')

York Sample ID: 16H0404-01

York Project (SDG) No.
16H0404

Client Project ID
1678 & 1700 Park Avenue

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Soil

Collection Date/Time
August 8, 2016 10:25 am

Date Received
08/08/2016

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0192	0.0192	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/09/2016 09:10	08/11/2016 08:10	AMC
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0192	0.0192	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/09/2016 09:10	08/11/2016 08:10	AMC
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0192	0.0192	1	EPA 8082A Certifications:	08/09/2016 09:10	08/11/2016 08:10	AMC
Surrogate Recoveries		Result		Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	56.0 %		30-140							
2051-24-3	Surrogate: Decachlorobiphenyl	57.5 %		30-140							

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	15500	B	mg/kg dry	5.75	5.75	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 12:05	08/10/2016 05:56	KV
7440-36-0	Antimony	ND		mg/kg dry	0.575	0.575	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 12:05	08/10/2016 05:56	KV
7440-38-2	Arsenic	4.15		mg/kg dry	1.15	1.15	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 12:05	08/10/2016 05:56	KV
7440-39-3	Barium	113		mg/kg dry	1.15	1.15	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 12:05	08/10/2016 05:56	KV
7440-41-7	Beryllium	ND		mg/kg dry	0.115	0.115	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 12:05	08/10/2016 05:56	KV
7440-43-9	Cadmium	ND		mg/kg dry	0.345	0.345	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 12:05	08/10/2016 05:56	KV
7440-70-2	Calcium	3140		mg/kg dry	0.575	5.75	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 12:05	08/10/2016 05:56	KV
7440-47-3	Chromium	23.5		mg/kg dry	0.575	0.575	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 12:05	08/10/2016 05:56	KV
7440-48-4	Cobalt	12.8		mg/kg dry	0.575	0.575	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 12:05	08/10/2016 05:56	KV
7440-50-8	Copper	25.1		mg/kg dry	0.575	0.575	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 12:05	08/10/2016 05:56	KV
7439-89-6	Iron	21700		mg/kg dry	2.30	2.30	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 12:05	08/10/2016 05:56	KV
7439-92-1	Lead	34.8		mg/kg dry	0.345	0.345	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 12:05	08/10/2016 05:56	KV
7439-95-4	Magnesium	5020		mg/kg dry	5.75	5.75	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 12:05	08/10/2016 05:56	KV
7439-96-5	Manganese	268		mg/kg dry	0.575	0.575	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 12:05	08/10/2016 05:56	KV
7440-02-0	Nickel	20.6		mg/kg dry	0.575	0.575	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 12:05	08/10/2016 05:56	KV



Sample Information

Client Sample ID: SB-1 (1'-2')

York Sample ID: 16H0404-01

York Project (SDG) No.

16H0404

Client Project ID

1678 & 1700 Park Avenue

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Soil

Collection Date/Time

August 8, 2016 10:25 am

Date Received

08/08/2016

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-09-7	Potassium	3310		mg/kg dry	5.75	5.75	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 12:05	08/10/2016 05:56	KV
7782-49-2	Selenium	2.32		mg/kg dry	1.15	1.15	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 12:05	08/10/2016 05:56	KV
7440-22-4	Silver	ND		mg/kg dry	0.575	0.575	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 12:05	08/10/2016 05:56	KV
7440-23-5	Sodium	486		mg/kg dry	11.5	11.5	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/09/2016 12:05	08/10/2016 05:56	KV
7440-28-0	Thallium	ND		mg/kg dry	1.15	1.15	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 12:05	08/10/2016 05:56	KV
7440-62-2	Vanadium	34.0		mg/kg dry	1.15	1.15	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 12:05	08/10/2016 05:56	KV
7440-66-6	Zinc	64.4		mg/kg dry	1.15	1.15	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 12:05	08/10/2016 05:56	KV

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.336		mg/kg dry	0.0345	0.0345	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	08/10/2016 06:30	08/10/2016 15:34	ALD

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	86.9		%	0.100	0.100	1	SM 2540G Certifications: CTDOH	08/09/2016 14:52	08/09/2016 20:03	TJM

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.403	0.575	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	08/15/2016 08:39	08/15/2016 14:04	LAB

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	23.5		mg/kg	0.250	0.500	1	Calculation Certifications:	08/15/2016 11:09	08/15/2016 14:34	AA



Sample Information

Client Sample ID: SB-1 (1'-2')

York Sample ID: 16H0404-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

16H0404

1678 & 1700 Park Avenue

Soil

August 8, 2016 10:25 am

08/08/2016

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.575	0.575	1	EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2016 08:13	08/15/2016 13:09	LAB

Sample Information

Client Sample ID: SB-1 (8'-9')

York Sample ID: 16H0404-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

16H0404

1678 & 1700 Park Avenue

Soil

August 8, 2016 10:35 am

08/08/2016

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to 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,NJDEP	08/11/2016 08:00	08/11/2016 18:23	BK
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 08:00	08/11/2016 18:23	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 08:00	08/11/2016 18:23	BK
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,NJDEP	08/11/2016 08:00	08/11/2016 18:23	BK
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 08:00	08/11/2016 18:23	BK
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 08:00	08/11/2016 18:23	BK
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 08:00	08/11/2016 18:23	BK
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 18:23	BK
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 18:23	BK
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 18:23	BK
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 18:23	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 18:23	BK
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 18:23	BK
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 08:00	08/11/2016 18:23	BK
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 08:00	08/11/2016 18:23	BK



Sample Information

Client Sample ID: SB-1 (8'-9')

York Sample ID: 16H0404-02

York Project (SDG) No.

16H0404

Client Project ID

1678 & 1700 Park Avenue

Matrix

Soil

Collection Date/Time

August 8, 2016 10:35 am

Date Received

08/08/2016

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 18:23	BK
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 18:23	BK
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 08:00	08/11/2016 18:23	BK
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 08:00	08/11/2016 18:23	BK
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.045	0.089	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 18:23	BK
78-93-3	2-Butanone	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 18:23	BK
591-78-6	2-Hexanone	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 18:23	BK
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 18:23	BK
67-64-1	Acetone	0.0060	CCV-E, SCAL- E, J	mg/kg dry	0.0045	0.0089	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 18:23	BK
107-02-8	Acrolein	ND		mg/kg dry	0.0045	0.0089	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 18:23	BK
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 18:23	BK
71-43-2	Benzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 08:00	08/11/2016 18:23	BK
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 18:23	BK
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 08:00	08/11/2016 18:23	BK
75-25-2	Bromoform	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 08:00	08/11/2016 18:23	BK
74-83-9	Bromomethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 08:00	08/11/2016 18:23	BK
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 18:23	BK
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 08:00	08/11/2016 18:23	BK
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 08:00	08/11/2016 18:23	BK
75-00-3	Chloroethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 08:00	08/11/2016 18:23	BK
67-66-3	Chloroform	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 08:00	08/11/2016 18:23	BK
74-87-3	Chloromethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 08:00	08/11/2016 18:23	BK
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 18:23	BK



Sample Information

Client Sample ID: SB-1 (8'-9')

York Sample ID: 16H0404-02

York Project (SDG) No.

16H0404

Client Project ID

1678 & 1700 Park Avenue

Matrix

Soil

Collection Date/Time

August 8, 2016 10:35 am

Date Received

08/08/2016

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 08:00	08/11/2016 18:23	BK
110-82-7	Cyclohexane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 18:23	BK
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 18:23	BK
74-95-3	Dibromomethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 18:23	BK
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 18:23	BK
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 08:00	08/11/2016 18:23	BK
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 18:23	BK
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 18:23	BK
79-20-9	Methyl acetate	0.0028	J	mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 18:23	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 18:23	BK
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 18:23	BK
75-09-2	Methylene chloride	ND		mg/kg dry	0.0045	0.0089	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 08:00	08/11/2016 18:23	BK
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 18:23	BK
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 18:23	BK
95-47-6	o-Xylene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854	08/11/2016 08:00	08/11/2016 18:23	BK
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0045	0.0089	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854	08/11/2016 08:00	08/11/2016 18:23	BK
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 18:23	BK
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 18:23	BK
100-42-5	Styrene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 18:23	BK
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 18:23	BK
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 18:23	BK
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 08:00	08/11/2016 18:23	BK
108-88-3	Toluene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 08:00	08/11/2016 18:23	BK
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 18:23	BK



Sample Information

Client Sample ID: SB-1 (8'-9')

York Sample ID: 16H0404-02

York Project (SDG) No.

16H0404

Client Project ID

1678 & 1700 Park Avenue

Matrix

Soil

Collection Date/Time

August 8, 2016 10:35 am

Date Received

08/08/2016

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 08:00	08/11/2016 18:23	BK
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 08:00	08/11/2016 18:23	BK
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 08:00	08/11/2016 18:23	BK
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 08:00	08/11/2016 18:23	BK
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0067	0.013	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 08:00	08/11/2016 18:23	BK
Surrogate Recoveries		Result		Acceptance Range							
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	96.7 %				77-125					
2037-26-5	Surrogate: Toluene-d8	97.9 %				85-120					
460-00-4	Surrogate: p-Bromofluorobenzene	94.7 %				76-130					

Semi-Volatiles, 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	0.0453	0.0904	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 17:31	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0904	0.181	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 17:31	KH
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 17:31	KH
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/12/2016 07:19	08/12/2016 17:31	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 17:31	KH
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/12/2016 07:19	08/12/2016 17:31	KH
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/12/2016 07:19	08/12/2016 17:31	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0904	0.181	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 17:31	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 17:31	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 17:31	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 17:31	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 17:31	KH
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0904	0.181	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 17:31	KH



Sample Information

Client Sample ID: SB-1 (8'-9')

York Sample ID: 16H0404-02

York Project (SDG) No.

16H0404

Client Project ID

1678 & 1700 Park Avenue

Matrix

Soil

Collection Date/Time

August 8, 2016 10:35 am

Date Received

08/08/2016

Semi-Volatiles, 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
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications:	08/12/2016 07:19 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:31	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications:	08/12/2016 07:19 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:31	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications:	08/12/2016 07:19 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:31	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications:	08/12/2016 07:19 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:31	KH
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications:	08/12/2016 07:19 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:31	KH
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications:	08/12/2016 07:19 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:31	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0904	0.181	2	EPA 8270D Certifications:	08/12/2016 07:19 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:31	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications:	08/12/2016 07:19 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:31	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications:	08/12/2016 07:19 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:31	KH
91-94-1	3,3'-Dichlorobenzidine	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications:	08/12/2016 07:19 NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:31	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0904	0.181	2	EPA 8270D Certifications:	08/12/2016 07:19 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:31	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0904	0.181	2	EPA 8270D Certifications:	08/12/2016 07:19 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:31	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications:	08/12/2016 07:19 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:31	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications:	08/12/2016 07:19 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:31	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications:	08/12/2016 07:19 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:31	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications:	08/12/2016 07:19 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:31	KH
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0904	0.181	2	EPA 8270D Certifications:	08/12/2016 07:19 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:31	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0904	0.181	2	EPA 8270D Certifications:	08/12/2016 07:19 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:31	KH
83-32-9	Acenaphthene	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications:	08/12/2016 07:19 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:31	KH
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications:	08/12/2016 07:19 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:31	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications:	08/12/2016 07:19 NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:31	KH
62-53-3	Aniline	ND		mg/kg dry	0.181	0.362	2	EPA 8270D Certifications:	08/12/2016 07:19 NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:31	KH
120-12-7	Anthracene	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications:	08/12/2016 07:19 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:31	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications:	08/12/2016 07:19 NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:31	KH



Sample Information

Client Sample ID: SB-1 (8'-9')

York Sample ID: 16H0404-02

York Project (SDG) No.
16H0404

Client Project ID
1678 & 1700 Park Avenue

Matrix
Soil

Collection Date/Time
August 8, 2016 10:35 am

Date Received
08/08/2016

Semi-Volatiles, 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
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 17:31	KH
92-87-5	Benzidine	ND		mg/kg dry	0.181	0.362	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	08/12/2016 07:19	08/12/2016 17:31	KH
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 17:31	KH
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 17:31	KH
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 17:31	KH
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 17:31	KH
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 17:31	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 17:31	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 17:31	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 17:31	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 17:31	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 17:31	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 17:31	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 17:31	KH
105-60-2	Caprolactam	ND		mg/kg dry	0.0904	0.181	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 17:31	KH
86-74-8	Carbazole	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 17:31	KH
218-01-9	Chrysene	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 17:31	KH
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 17:31	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 17:31	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 17:31	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 17:31	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 17:31	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 17:31	KH
206-44-0	Fluoranthene	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 17:31	KH



Sample Information

Client Sample ID: SB-1 (8'-9')

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York Project (SDG) No.

16H0404

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1678 & 1700 Park Avenue

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Collection Date/Time

August 8, 2016 10:35 am

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08/08/2016

Semi-Volatiles, 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
86-73-7	Fluorene	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 17:31	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 17:31	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 17:31	KH
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 17:31	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 17:31	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 17:31	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 17:31	KH
91-20-3	Naphthalene	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 17:31	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 17:31	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 17:31	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 17:31	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 17:31	KH
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 17:31	KH
85-01-8	Phenanthrene	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 17:31	KH
108-95-2	Phenol	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 17:31	KH
129-00-0	Pyrene	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 17:31	KH
Surrogate Recoveries		Result			Acceptance Range						
367-12-4	Surrogate: 2-Fluorophenol	76.4 %			20-108						
4165-62-2	Surrogate: Phenol-d5	75.2 %			23-114						
4165-60-0	Surrogate: Nitrobenzene-d5	66.8 %			22-108						
321-60-8	Surrogate: 2-Fluorobiphenyl	69.8 %			21-113						
118-79-6	Surrogate: 2,4,6-Tribromophenol	70.6 %			19-110						
1718-51-0	Surrogate: Terphenyl-d14	51.3 %			24-116						

Pesticides, 8081 target list

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



Sample Information

Client Sample ID: SB-1 (8'-9')

York Sample ID: 16H0404-02

York Project (SDG) No.

16H0404

Client Project ID

1678 & 1700 Park Avenue

Matrix

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Pesticides, 8081 target list

Sample Prepared by Method: EPA 3550C

Log-in Notes:

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00179	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 09:10	08/10/2016 02:04	AMC
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00179	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 09:10	08/10/2016 02:04	AMC
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00179	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 09:10	08/10/2016 02:04	AMC
309-00-2	Aldrin	ND		mg/kg dry	0.00179	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 09:10	08/10/2016 02:04	AMC
319-84-6	alpha-BHC	ND		mg/kg dry	0.00179	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 09:10	08/10/2016 02:04	AMC
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00179	0.00179	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/09/2016 09:10	08/10/2016 02:04	AMC
319-85-7	beta-BHC	ND		mg/kg dry	0.00179	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 09:10	08/10/2016 02:04	AMC
57-74-9	Chlordane, total	ND		mg/kg dry	0.0716	0.0716	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 09:10	08/10/2016 02:04	AMC
319-86-8	delta-BHC	ND		mg/kg dry	0.00179	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 09:10	08/10/2016 02:04	AMC
60-57-1	Dieldrin	ND		mg/kg dry	0.00179	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 09:10	08/10/2016 02:04	AMC
959-98-8	Endosulfan I	ND		mg/kg dry	0.00179	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 09:10	08/10/2016 02:04	AMC
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00179	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 09:10	08/10/2016 02:04	AMC
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00179	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 09:10	08/10/2016 02:04	AMC
72-20-8	Endrin	ND		mg/kg dry	0.00179	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 09:10	08/10/2016 02:04	AMC
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00179	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 09:10	08/10/2016 02:04	AMC
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00179	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 09:10	08/10/2016 02:04	AMC
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00179	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 09:10	08/10/2016 02:04	AMC
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00179	0.00179	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/09/2016 09:10	08/10/2016 02:04	AMC
76-44-8	Heptachlor	ND		mg/kg dry	0.00179	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 09:10	08/10/2016 02:04	AMC
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00179	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 09:10	08/10/2016 02:04	AMC
72-43-5	Methoxychlor	ND		mg/kg dry	0.00895	0.00895	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 09:10	08/10/2016 02:04	AMC
8001-35-2	Toxaphene	ND		mg/kg dry	0.0906	0.0906	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 09:10	08/10/2016 02:04	AMC
Surrogate Recoveries		Result	Acceptance Range								
877-09-8	Surrogate: Tetrachloro-m-xylene	74.7 %	30-140								



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Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2051-24-3	Surrogate: Decachlorobiphenyl	76.1 %			30-140						

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0181	0.0181	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/09/2016 09:10	08/11/2016 08:29	AMC
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0181	0.0181	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/09/2016 09:10	08/11/2016 08:29	AMC
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0181	0.0181	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/09/2016 09:10	08/11/2016 08:29	AMC
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0181	0.0181	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/09/2016 09:10	08/11/2016 08:29	AMC
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0181	0.0181	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/09/2016 09:10	08/11/2016 08:29	AMC
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0181	0.0181	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/09/2016 09:10	08/11/2016 08:29	AMC
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0181	0.0181	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/09/2016 09:10	08/11/2016 08:29	AMC
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0181	0.0181	1	EPA 8082A Certifications:	08/09/2016 09:10	08/11/2016 08:29	AMC
Surrogate Recoveries		Result		Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	60.5 %			30-140						
2051-24-3	Surrogate: Decachlorobiphenyl	56.0 %			30-140						

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	16600	B	mg/kg dry	5.42	5.42	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 12:05	08/10/2016 06:00	KV
7440-36-0	Antimony	ND		mg/kg dry	0.542	0.542	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 12:05	08/10/2016 06:00	KV
7440-38-2	Arsenic	1.29		mg/kg dry	1.08	1.08	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 12:05	08/10/2016 06:00	KV
7440-39-3	Barium	137		mg/kg dry	1.08	1.08	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 12:05	08/10/2016 06:00	KV
7440-41-7	Beryllium	ND		mg/kg dry	0.108	0.108	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 12:05	08/10/2016 06:00	KV
7440-43-9	Cadmium	ND		mg/kg dry	0.325	0.325	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 12:05	08/10/2016 06:00	KV
7440-70-2	Calcium	2630		mg/kg dry	0.542	5.42	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 12:05	08/10/2016 06:00	KV



Sample Information

Client Sample ID: SB-1 (8'-9')

York Sample ID: 16H0404-02

York Project (SDG) No.

16H0404

Client Project ID

1678 & 1700 Park Avenue

Matrix

Soil

Collection Date/Time

August 8, 2016 10:35 am

Date Received

08/08/2016

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-47-3	Chromium	33.3		mg/kg dry	0.542	0.542	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 12:05	08/10/2016 06:00	KV
7440-48-4	Cobalt	20.1		mg/kg dry	0.542	0.542	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 12:05	08/10/2016 06:00	KV
7440-50-8	Copper	8.46		mg/kg dry	0.542	0.542	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 12:05	08/10/2016 06:00	KV
7439-89-6	Iron	25800		mg/kg dry	2.17	2.17	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 12:05	08/10/2016 06:00	KV
7439-92-1	Lead	4.11		mg/kg dry	0.325	0.325	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 12:05	08/10/2016 06:00	KV
7439-95-4	Magnesium	7080		mg/kg dry	5.42	5.42	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 12:05	08/10/2016 06:00	KV
7439-96-5	Manganese	149		mg/kg dry	0.542	0.542	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 12:05	08/10/2016 06:00	KV
7440-02-0	Nickel	34.5		mg/kg dry	0.542	0.542	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 12:05	08/10/2016 06:00	KV
7440-09-7	Potassium	6380		mg/kg dry	5.42	5.42	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 12:05	08/10/2016 06:00	KV
7782-49-2	Selenium	3.50		mg/kg dry	1.08	1.08	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 12:05	08/10/2016 06:00	KV
7440-22-4	Silver	ND		mg/kg dry	0.542	0.542	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 12:05	08/10/2016 06:00	KV
7440-23-5	Sodium	219		mg/kg dry	10.8	10.8	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/09/2016 12:05	08/10/2016 06:00	KV
7440-28-0	Thallium	ND		mg/kg dry	1.08	1.08	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 12:05	08/10/2016 06:00	KV
7440-62-2	Vanadium	43.0		mg/kg dry	1.08	1.08	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 12:05	08/10/2016 06:00	KV
7440-66-6	Zinc	80.6		mg/kg dry	1.08	1.08	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 12:05	08/10/2016 06:00	KV

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0325	0.0325	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	08/10/2016 06:30	08/10/2016 15:43	ALD

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst



Sample Information

Client Sample ID: SB-1 (8'-9')

York Sample ID: 16H0404-02

York Project (SDG) No.
16H0404

Client Project ID
1678 & 1700 Park Avenue

Matrix
Soil

Collection Date/Time
August 8, 2016 10:35 am

Date Received
08/08/2016

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	92.2		%	0.100	0.100	1	SM 2540G Certifications: CTDOH	08/09/2016 14:52	08/09/2016 20:03	TJM

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.380	0.542	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	08/15/2016 08:39	08/15/2016 14:04	LAB

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	53.3		mg/kg	0.250	0.500	1	Calculation Certifications:	08/15/2016 11:09	08/15/2016 14:34	AA

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.542	0.542	1	EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2016 08:13	08/15/2016 13:09	LAB

Sample Information

Client Sample ID: SB-2 (1'-2')

York Sample ID: 16H0404-03

York Project (SDG) No.
16H0404

Client Project ID
1678 & 1700 Park Avenue

Matrix
Soil

Collection Date/Time
August 8, 2016 11:50 am

Date Received
08/08/2016

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to 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	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 18:53	BK
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 08:00	08/11/2016 18:53	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 08:00	08/11/2016 18:53	BK



Sample Information

Client Sample ID: SB-2 (1'-2')

York Sample ID: 16H0404-03

York Project (SDG) No.

16H0404

Client Project ID

1678 & 1700 Park Avenue

Matrix

Soil

Collection Date/Time

August 8, 2016 11:50 am

Date Received

08/08/2016

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 18:53	BK
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 08:00	08/11/2016 18:53	BK
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 08:00	08/11/2016 18:53	BK
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 08:00	08/11/2016 18:53	BK
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 18:53	BK
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 18:53	BK
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 18:53	BK
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 18:53	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 18:53	BK
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 18:53	BK
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 08:00	08/11/2016 18:53	BK
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 08:00	08/11/2016 18:53	BK
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 18:53	BK
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 18:53	BK
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 08:00	08/11/2016 18:53	BK
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 08:00	08/11/2016 18:53	BK
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.045	0.091	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 18:53	BK
78-93-3	2-Butanone	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 18:53	BK
591-78-6	2-Hexanone	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 18:53	BK
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 18:53	BK
67-64-1	Acetone	ND		mg/kg dry	0.0045	0.0091	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 18:53	BK
107-02-8	Acrolein	ND		mg/kg dry	0.0045	0.0091	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 18:53	BK
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 18:53	BK
71-43-2	Benzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 08:00	08/11/2016 18:53	BK



Sample Information

Client Sample ID: SB-2 (1'-2')

York Sample ID: 16H0404-03

York Project (SDG) No.

16H0404

Client Project ID

1678 & 1700 Park Avenue

Matrix

Soil

Collection Date/Time

August 8, 2016 11:50 am

Date Received

08/08/2016

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 18:53	BK
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 08:00	08/11/2016 18:53	BK
75-25-2	Bromoform	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 08:00	08/11/2016 18:53	BK
74-83-9	Bromomethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 08:00	08/11/2016 18:53	BK
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 18:53	BK
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 08:00	08/11/2016 18:53	BK
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 08:00	08/11/2016 18:53	BK
75-00-3	Chloroethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 08:00	08/11/2016 18:53	BK
67-66-3	Chloroform	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 08:00	08/11/2016 18:53	BK
74-87-3	Chloromethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 08:00	08/11/2016 18:53	BK
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 18:53	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 08:00	08/11/2016 18:53	BK
110-82-7	Cyclohexane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 18:53	BK
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,PADEP	08/11/2016 08:00	08/11/2016 18:53	BK
74-95-3	Dibromomethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 18:53	BK
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 18:53	BK
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 08:00	08/11/2016 18:53	BK
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 18:53	BK
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 18:53	BK
79-20-9	Methyl acetate	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 18:53	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 18:53	BK
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 18:53	BK
75-09-2	Methylene chloride	0.0048	J	mg/kg dry	0.0045	0.0091	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 08:00	08/11/2016 18:53	BK
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 18:53	BK



Sample Information

Client Sample ID: SB-2 (1'-2')

York Sample ID: 16H0404-03

York Project (SDG) No.
16H0404

Client Project ID
1678 & 1700 Park Avenue

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Collection Date/Time
August 8, 2016 11:50 am

Date Received
08/08/2016

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 18:53	BK
95-47-6	o-Xylene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854	08/11/2016 08:00	08/11/2016 18:53	BK
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0045	0.0091	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854	08/11/2016 08:00	08/11/2016 18:53	BK
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 18:53	BK
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 18:53	BK
100-42-5	Styrene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 18:53	BK
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 18:53	BK
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 18:53	BK
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 08:00	08/11/2016 18:53	BK
108-88-3	Toluene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 08:00	08/11/2016 18:53	BK
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 18:53	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 08:00	08/11/2016 18:53	BK
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 08:00	08/11/2016 18:53	BK
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 08:00	08/11/2016 18:53	BK
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 08:00	08/11/2016 18:53	BK
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0068	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 08:00	08/11/2016 18:53	BK
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	98.9 %	77-125								
2037-26-5	Surrogate: Toluene-d8	101 %	85-120								
460-00-4	Surrogate: p-Bromofluorobenzene	108 %	76-130								

Semi-Volatiles, 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	0.120	0.239	5	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 22:55	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.239	0.478	5	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 22:55	KH



Sample Information

Client Sample ID: SB-2 (1'-2')

York Sample ID: 16H0404-03

York Project (SDG) No.

16H0404

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Semi-Volatiles, 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
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.120	0.239	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 22:55	KH
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.120	0.239	5	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/12/2016 07:19	08/12/2016 22:55	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.120	0.239	5	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 22:55	KH
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.120	0.239	5	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/12/2016 07:19	08/12/2016 22:55	KH
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.120	0.239	5	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/12/2016 07:19	08/12/2016 22:55	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.239	0.478	5	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 22:55	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.120	0.239	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 22:55	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.120	0.239	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 22:55	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.120	0.239	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 22:55	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.120	0.239	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 22:55	KH
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.239	0.478	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 22:55	KH
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.120	0.239	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 22:55	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.120	0.239	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 22:55	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.120	0.239	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 22:55	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.120	0.239	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 22:55	KH
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.120	0.239	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 22:55	KH
95-48-7	2-Methylphenol	ND		mg/kg dry	0.120	0.239	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 22:55	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.239	0.478	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 22:55	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.120	0.239	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 22:55	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.120	0.239	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 22:55	KH
91-94-1	3,3'-Dichlorobenzidine	ND		mg/kg dry	0.120	0.239	5	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 22:55	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.239	0.478	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 22:55	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.239	0.478	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 22:55	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.120	0.239	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 22:55	KH



Sample Information

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York Sample ID: 16H0404-03

York Project (SDG) No.
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Collection Date/Time
August 8, 2016 11:50 am

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08/08/2016

Semi-Volatiles, 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
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.120	0.239	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 22:55	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.120	0.239	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 22:55	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.120	0.239	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 22:55	KH
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.239	0.478	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 22:55	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.239	0.478	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 22:55	KH
83-32-9	Acenaphthene	ND		mg/kg dry	0.120	0.239	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 22:55	KH
208-96-8	Acenaphthylene	0.440		mg/kg dry	0.120	0.239	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 22:55	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.120	0.239	5	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 22:55	KH
62-53-3	Aniline	ND		mg/kg dry	0.480	0.959	5	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 22:55	KH
120-12-7	Anthracene	0.345		mg/kg dry	0.120	0.239	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 22:55	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.120	0.239	5	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 22:55	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.120	0.239	5	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 22:55	KH
92-87-5	Benzidine	ND		mg/kg dry	0.480	0.959	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	08/12/2016 07:19	08/12/2016 22:55	KH
56-55-3	Benzo(a)anthracene	1.77		mg/kg dry	0.120	0.239	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 22:55	KH
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.120	0.239	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 22:55	KH
205-99-2	Benzo(b)fluoranthene	0.691		mg/kg dry	0.120	0.239	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 22:55	KH
191-24-2	Benzo(g,h,i)perylene	0.549		mg/kg dry	0.120	0.239	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 22:55	KH
207-08-9	Benzo(k)fluoranthene	0.628		mg/kg dry	0.120	0.239	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 22:55	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.120	0.239	5	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 22:55	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.120	0.239	5	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 22:55	KH
85-68-7	Benzyl butyl phthalate	0.444		mg/kg dry	0.120	0.239	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 22:55	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.120	0.239	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 22:55	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.120	0.239	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 22:55	KH



Sample Information

Client Sample ID: SB-2 (1'-2')

York Sample ID: 16H0404-03

York Project (SDG) No.

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August 8, 2016 11:50 am

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Semi-Volatiles, 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
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.120	0.239	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 22:55	KH
117-81-7	Bis(2-ethylhexyl)phthalate	1.36		mg/kg dry	0.120	0.239	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 22:55	KH
105-60-2	Caprolactam	ND		mg/kg dry	0.239	0.478	5	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 22:55	KH
86-74-8	Carbazole	ND		mg/kg dry	0.120	0.239	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 22:55	KH
218-01-9	Chrysene	2.03		mg/kg dry	0.120	0.239	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 22:55	KH
53-70-3	Dibenzo(a,h)anthracene	0.134	J	mg/kg dry	0.120	0.239	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 22:55	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.120	0.239	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 22:55	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.120	0.239	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 22:55	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.120	0.239	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 22:55	KH
84-74-2	Di-n-butyl phthalate	1.28		mg/kg dry	0.120	0.239	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 22:55	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.120	0.239	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 22:55	KH
206-44-0	Fluoranthene	3.31		mg/kg dry	0.120	0.239	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 22:55	KH
86-73-7	Fluorene	ND		mg/kg dry	0.120	0.239	5	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 22:55	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.120	0.239	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 22:55	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.120	0.239	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 22:55	KH
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.120	0.239	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 22:55	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.120	0.239	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 22:55	KH
193-39-5	Indeno(1,2,3-cd)pyrene	0.565		mg/kg dry	0.120	0.239	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 22:55	KH
78-59-1	Isophorone	ND		mg/kg dry	0.120	0.239	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 22:55	KH
91-20-3	Naphthalene	ND		mg/kg dry	0.120	0.239	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 22:55	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.120	0.239	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 22:55	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.120	0.239	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 22:55	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.120	0.239	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 22:55	KH



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Soil

Collection Date/Time

August 8, 2016 11:50 am

Date Received

08/08/2016

Semi-Volatiles, 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
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.120	0.239	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 22:55	KH
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.120	0.239	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 22:55	KH
85-01-8	Phenanthrene	1.58		mg/kg dry	0.120	0.239	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 22:55	KH
108-95-2	Phenol	ND		mg/kg dry	0.120	0.239	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 22:55	KH
129-00-0	Pyrene	5.94		mg/kg dry	0.120	0.239	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 22:55	KH
Surrogate Recoveries		Result		Acceptance Range							
367-12-4	Surrogate: 2-Fluorophenol	46.3 %									
4165-62-2	Surrogate: Phenol-d5	56.2 %									
4165-60-0	Surrogate: Nitrobenzene-d5	43.7 %									
321-60-8	Surrogate: 2-Fluorobiphenyl	57.8 %									
118-79-6	Surrogate: 2,4,6-Tribromophenol	59.3 %									
1718-51-0	Surrogate: Terphenyl-d14	91.4 %									

Pesticides, 8081 target list

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
72-54-8	4,4'-DDD	0.00504		mg/kg dry	0.00190	0.00190	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 09:10	08/10/2016 15:38	AMC
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00190	0.00190	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 09:10	08/10/2016 15:38	AMC
50-29-3	4,4'-DDT	0.0292		mg/kg dry	0.00190	0.00190	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 09:10	08/10/2016 15:38	AMC
309-00-2	Aldrin	ND		mg/kg dry	0.00190	0.00190	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 09:10	08/10/2016 15:38	AMC
319-84-6	alpha-BHC	ND		mg/kg dry	0.00190	0.00190	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 09:10	08/10/2016 15:38	AMC
5103-71-9	alpha-Chlordane	0.00899		mg/kg dry	0.00190	0.00190	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/09/2016 09:10	08/10/2016 15:38	AMC
319-85-7	beta-BHC	ND		mg/kg dry	0.00190	0.00190	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 09:10	08/10/2016 15:38	AMC
57-74-9	Chlordane, total	0.100		mg/kg dry	0.0758	0.0758	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 09:10	08/10/2016 15:38	AMC
319-86-8	delta-BHC	ND		mg/kg dry	0.00190	0.00190	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 09:10	08/10/2016 15:38	AMC
60-57-1	Dieldrin	0.0145		mg/kg dry	0.00190	0.00190	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 09:10	08/10/2016 15:38	AMC
959-98-8	Endosulfan I	ND		mg/kg dry	0.00190	0.00190	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 09:10	08/10/2016 15:38	AMC



Sample Information

Client Sample ID: SB-2 (1'-2')

York Sample ID: 16H0404-03

York Project (SDG) No.

16H0404

Client Project ID

1678 & 1700 Park Avenue

Matrix

Soil

Collection Date/Time

August 8, 2016 11:50 am

Date Received

08/08/2016

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00190	0.00190	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 09:10	08/10/2016 15:38	AMC
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00190	0.00190	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 09:10	08/10/2016 15:38	AMC
72-20-8	Endrin	ND		mg/kg dry	0.00190	0.00190	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 09:10	08/10/2016 15:38	AMC
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00190	0.00190	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 09:10	08/10/2016 15:38	AMC
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00190	0.00190	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 09:10	08/10/2016 15:38	AMC
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00190	0.00190	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 09:10	08/10/2016 15:38	AMC
5566-34-7	gamma-Chlordane	0.0101		mg/kg dry	0.00190	0.00190	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/09/2016 09:10	08/10/2016 15:38	AMC
76-44-8	Heptachlor	ND		mg/kg dry	0.00190	0.00190	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 09:10	08/10/2016 15:38	AMC
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00190	0.00190	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 09:10	08/10/2016 15:38	AMC
72-43-5	Methoxychlor	ND		mg/kg dry	0.00948	0.00948	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 09:10	08/10/2016 15:38	AMC
8001-35-2	Toxaphene	ND		mg/kg dry	0.0959	0.0959	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 09:10	08/10/2016 15:38	AMC
Surrogate Recoveries		Result	Acceptance Range								
877-09-8	Surrogate: Tetrachloro-m-xylene	47.7 %	30-140								
2051-24-3	Surrogate: Decachlorobiphenyl	70.9 %	30-140								

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0191	0.0191	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/09/2016 09:10	08/11/2016 09:08	AMC
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0191	0.0191	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/09/2016 09:10	08/11/2016 09:08	AMC
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0191	0.0191	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/09/2016 09:10	08/11/2016 09:08	AMC
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0191	0.0191	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/09/2016 09:10	08/11/2016 09:08	AMC
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0191	0.0191	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/09/2016 09:10	08/11/2016 09:08	AMC
11097-69-1	Aroclor 1254	0.108		mg/kg dry	0.0191	0.0191	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/09/2016 09:10	08/11/2016 09:08	AMC
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0191	0.0191	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/09/2016 09:10	08/11/2016 09:08	AMC



Sample Information

Client Sample ID: SB-2 (1'-2')

York Sample ID: 16H0404-03

York Project (SDG) No.
16H0404

Client Project ID
1678 & 1700 Park Avenue

Matrix
Soil

Collection Date/Time
August 8, 2016 11:50 am

Date Received
08/08/2016

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1336-36-3	* Total PCBs	0.108		mg/kg dry	0.0191	0.0191	1	EPA 8082A	08/09/2016 09:10	08/11/2016 09:08	AMC
								Certifications:			
	Surrogate Recoveries	Result						Acceptance Range			
877-09-8	Surrogate: Tetrachloro-m-xylene	59.5 %						30-140			
2051-24-3	Surrogate: Decachlorobiphenyl	58.0 %						30-140			

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	9400	B	mg/kg dry	5.74	5.74	1	EPA 6010C	08/09/2016 12:05	08/10/2016 06:05	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-36-0	Antimony	ND		mg/kg dry	0.574	0.574	1	EPA 6010C	08/09/2016 12:05	08/10/2016 06:05	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-38-2	Arsenic	3.67		mg/kg dry	1.15	1.15	1	EPA 6010C	08/09/2016 12:05	08/10/2016 06:05	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	Barium	348		mg/kg dry	1.15	1.15	1	EPA 6010C	08/09/2016 12:05	08/10/2016 06:05	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/kg dry	0.115	0.115	1	EPA 6010C	08/09/2016 12:05	08/10/2016 06:05	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	Cadmium	0.682		mg/kg dry	0.345	0.345	1	EPA 6010C	08/09/2016 12:05	08/10/2016 06:05	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	Calcium	39300		mg/kg dry	0.574	5.74	1	EPA 6010C	08/09/2016 12:05	08/10/2016 06:05	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	Chromium	27.1		mg/kg dry	0.574	0.574	1	EPA 6010C	08/09/2016 12:05	08/10/2016 06:05	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	Cobalt	10.2		mg/kg dry	0.574	0.574	1	EPA 6010C	08/09/2016 12:05	08/10/2016 06:05	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	Copper	48.1		mg/kg dry	0.574	0.574	1	EPA 6010C	08/09/2016 12:05	08/10/2016 06:05	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	Iron	17100		mg/kg dry	2.30	2.30	1	EPA 6010C	08/09/2016 12:05	08/10/2016 06:05	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	Lead	201		mg/kg dry	0.345	0.345	1	EPA 6010C	08/09/2016 12:05	08/10/2016 06:05	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	Magnesium	9550		mg/kg dry	5.74	5.74	1	EPA 6010C	08/09/2016 12:05	08/10/2016 06:05	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	Manganese	218		mg/kg dry	0.574	0.574	1	EPA 6010C	08/09/2016 12:05	08/10/2016 06:05	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	Nickel	19.5		mg/kg dry	0.574	0.574	1	EPA 6010C	08/09/2016 12:05	08/10/2016 06:05	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	Potassium	3430		mg/kg dry	5.74	5.74	1	EPA 6010C	08/09/2016 12:05	08/10/2016 06:05	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		



Sample Information

Client Sample ID: SB-2 (1'-2')

York Sample ID: 16H0404-03

York Project (SDG) No.

16H0404

Client Project ID

1678 & 1700 Park Avenue

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Soil

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Date Received

08/08/2016

Metals, Target Analyte

Sample Prepared by Method: EPA 3050B

Log-in Notes:

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7782-49-2	Selenium	1.77		mg/kg dry	1.15	1.15	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 12:05	08/10/2016 06:05	KV
7440-22-4	Silver	ND		mg/kg dry	0.574	0.574	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 12:05	08/10/2016 06:05	KV
7440-23-5	Sodium	466		mg/kg dry	11.5	11.5	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/09/2016 12:05	08/10/2016 06:05	KV
7440-28-0	Thallium	ND		mg/kg dry	1.15	1.15	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 12:05	08/10/2016 06:05	KV
7440-62-2	Vanadium	40.9		mg/kg dry	1.15	1.15	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 12:05	08/10/2016 06:05	KV
7440-66-6	Zinc	194		mg/kg dry	1.15	1.15	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 12:05	08/10/2016 06:05	KV

Mercury by 7473

Sample Prepared by Method: EPA 7473 soil

Log-in Notes:

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.650		mg/kg dry	0.0345	0.0345	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	08/10/2016 06:30	08/10/2016 15:52	ALD

Total Solids

Sample Prepared by Method: % Solids Prep

Log-in Notes:

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	87.1		%	0.100	0.100	1	SM 2540G Certifications: CTDOH	08/09/2016 14:52	08/09/2016 20:03	TJM

Chromium, Hexavalent

Sample Prepared by Method: EPA SW846-3060

Log-in Notes:

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.402	0.574	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	08/15/2016 08:39	08/15/2016 14:04	LAB

Chromium, Trivalent

Sample Prepared by Method: Analysis Preparation

Log-in Notes:

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	27.1		mg/kg	0.250	0.500	1	Calculation Certifications:	08/15/2016 11:09	08/15/2016 14:34	AA

Cyanide, Total

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: SB-2 (1'-2')

York Sample ID: 16H0404-03

York Project (SDG) No.
16H0404

Client Project ID
1678 & 1700 Park Avenue

Matrix
Soil

Collection Date/Time
August 8, 2016 11:50 am

Date Received
08/08/2016

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.574	0.574	1	EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2016 08:13	08/15/2016 13:09	LAB

Sample Information

Client Sample ID: SB-2 (8'-9')

York Sample ID: 16H0404-04

York Project (SDG) No.
16H0404

Client Project ID
1678 & 1700 Park Avenue

Matrix
Soil

Collection Date/Time
August 8, 2016 12:00 pm

Date Received
08/08/2016

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to 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,NJDEP	08/11/2016 08:00	08/11/2016 19:23	BK
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 08:00	08/11/2016 19:23	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 08:00	08/11/2016 19:23	BK
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,NJDEP	08/11/2016 08:00	08/11/2016 19:23	BK
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 08:00	08/11/2016 19:23	BK
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 08:00	08/11/2016 19:23	BK
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 08:00	08/11/2016 19:23	BK
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 19:23	BK
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 19:23	BK
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 19:23	BK
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 19:23	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 19:23	BK
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 19:23	BK
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 08:00	08/11/2016 19:23	BK
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 08:00	08/11/2016 19:23	BK
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 19:23	BK



Sample Information

Client Sample ID: SB-2 (8'-9')

York Sample ID: 16H0404-04

York Project (SDG) No.

16H0404

Client Project ID

1678 & 1700 Park Avenue

Matrix

Soil

Collection Date/Time

August 8, 2016 12:00 pm

Date Received

08/08/2016

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications:	08/11/2016 08:00 CTDOH,NELAC-NY10854,NJDEP	08/11/2016 19:23	BK
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications:	08/11/2016 08:00 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 19:23	BK
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications:	08/11/2016 08:00 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 19:23	BK
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.047	0.094	1	EPA 8260C Certifications:	08/11/2016 08:00 NELAC-NY10854,NJDEP	08/11/2016 19:23	BK
78-93-3	2-Butanone	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications:	08/11/2016 08:00 CTDOH,NELAC-NY10854,NJDEP	08/11/2016 19:23	BK
591-78-6	2-Hexanone	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications:	08/11/2016 08:00 CTDOH,NELAC-NY10854,NJDEP	08/11/2016 19:23	BK
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications:	08/11/2016 08:00 CTDOH,NELAC-NY10854,NJDEP	08/11/2016 19:23	BK
67-64-1	Acetone	0.0062	CCV-E, SCAL- E, J	mg/kg dry	0.0047	0.0094	1	EPA 8260C Certifications:	08/11/2016 08:00 CTDOH,NELAC-NY10854,NJDEP	08/11/2016 19:23	BK
107-02-8	Acrolein	ND		mg/kg dry	0.0047	0.0094	1	EPA 8260C Certifications:	08/11/2016 08:00 CTDOH,NELAC-NY10854,NJDEP	08/11/2016 19:23	BK
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications:	08/11/2016 08:00 CTDOH,NELAC-NY10854,NJDEP	08/11/2016 19:23	BK
71-43-2	Benzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications:	08/11/2016 08:00 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 19:23	BK
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications:	08/11/2016 08:00 NELAC-NY10854,NJDEP	08/11/2016 19:23	BK
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications:	08/11/2016 08:00 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 19:23	BK
75-25-2	Bromoform	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications:	08/11/2016 08:00 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 19:23	BK
74-83-9	Bromomethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications:	08/11/2016 08:00 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 19:23	BK
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications:	08/11/2016 08:00 CTDOH,NELAC-NY10854,NJDEP	08/11/2016 19:23	BK
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications:	08/11/2016 08:00 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 19:23	BK
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications:	08/11/2016 08:00 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 19:23	BK
75-00-3	Chloroethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications:	08/11/2016 08:00 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 19:23	BK
67-66-3	Chloroform	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications:	08/11/2016 08:00 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 19:23	BK
74-87-3	Chloromethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications:	08/11/2016 08:00 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 19:23	BK
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications:	08/11/2016 08:00 CTDOH,NELAC-NY10854,NJDEP	08/11/2016 19:23	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications:	08/11/2016 08:00 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 19:23	BK



Sample Information

Client Sample ID: SB-2 (8'-9')

York Sample ID: 16H0404-04

York Project (SDG) No.

16H0404

Client Project ID

1678 & 1700 Park Avenue

Matrix

Soil

Collection Date/Time

August 8, 2016 12:00 pm

Date Received

08/08/2016

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
110-82-7	Cyclohexane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 19:23	BK
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,PADEP	08/11/2016 08:00	08/11/2016 19:23	BK
74-95-3	Dibromomethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 19:23	BK
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 19:23	BK
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 08:00	08/11/2016 19:23	BK
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 19:23	BK
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 19:23	BK
79-20-9	Methyl acetate	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 19:23	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 19:23	BK
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 19:23	BK
75-09-2	Methylene chloride	0.0084	J	mg/kg dry	0.0047	0.0094	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 08:00	08/11/2016 19:23	BK
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 19:23	BK
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 19:23	BK
95-47-6	o-Xylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854	08/11/2016 08:00	08/11/2016 19:23	BK
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0047	0.0094	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854	08/11/2016 08:00	08/11/2016 19:23	BK
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 19:23	BK
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 19:23	BK
100-42-5	Styrene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 19:23	BK
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 19:23	BK
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 19:23	BK
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 08:00	08/11/2016 19:23	BK
108-88-3	Toluene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 08:00	08/11/2016 19:23	BK
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 19:23	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 08:00	08/11/2016 19:23	BK



Sample Information

Client Sample ID: SB-2 (8'-9')

York Sample ID: 16H0404-04

York Project (SDG) No.
16H0404

Client Project ID
1678 & 1700 Park Avenue

Matrix
Soil

Collection Date/Time
August 8, 2016 12:00 pm

Date Received
08/08/2016

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 08:00	08/11/2016 19:23	BK
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 08:00	08/11/2016 19:23	BK
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 08:00	08/11/2016 19:23	BK
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0070	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 08:00	08/11/2016 19:23	BK
Surrogate Recoveries		Result		Acceptance Range							
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	101 %				77-125					
2037-26-5	Surrogate: Toluene-d8	98.1 %				85-120					
460-00-4	Surrogate: p-Bromofluorobenzene	99.8 %				76-130					

Semi-Volatiles, 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	0.0943	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 18:04	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0943	0.188	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 18:04	KH
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0473	0.0943	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 18:04	KH
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0473	0.0943	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/12/2016 07:19	08/12/2016 18:04	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0473	0.0943	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 18:04	KH
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0473	0.0943	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/12/2016 07:19	08/12/2016 18:04	KH
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0473	0.0943	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/12/2016 07:19	08/12/2016 18:04	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0943	0.188	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 18:04	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0473	0.0943	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 18:04	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0473	0.0943	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 18:04	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0473	0.0943	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 18:04	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0473	0.0943	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 18:04	KH
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0943	0.188	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 18:04	KH
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0473	0.0943	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 18:04	KH



Sample Information

Client Sample ID: SB-2 (8'-9')

York Sample ID: 16H0404-04

York Project (SDG) No.
16H0404

Client Project ID
1678 & 1700 Park Avenue

Matrix
Soil

Collection Date/Time
August 8, 2016 12:00 pm

Date Received
08/08/2016

Semi-Volatiles, 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
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0473	0.0943	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 18:04	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0473	0.0943	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 18:04	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0473	0.0943	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 18:04	KH
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0473	0.0943	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 18:04	KH
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0473	0.0943	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 18:04	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0943	0.188	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 18:04	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0473	0.0943	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 18:04	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0473	0.0943	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 18:04	KH
91-94-1	3,3'-Dichlorobenzidine	ND		mg/kg dry	0.0473	0.0943	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 18:04	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0943	0.188	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 18:04	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0943	0.188	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 18:04	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0473	0.0943	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 18:04	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0473	0.0943	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 18:04	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0473	0.0943	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 18:04	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0473	0.0943	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 18:04	KH
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0943	0.188	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 18:04	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0943	0.188	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 18:04	KH
83-32-9	Acenaphthene	ND		mg/kg dry	0.0473	0.0943	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 18:04	KH
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0473	0.0943	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 18:04	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0473	0.0943	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 18:04	KH
62-53-3	Aniline	ND		mg/kg dry	0.189	0.378	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 18:04	KH
120-12-7	Anthracene	ND		mg/kg dry	0.0473	0.0943	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 18:04	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0473	0.0943	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 18:04	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0473	0.0943	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 18:04	KH



Sample Information

Client Sample ID: SB-2 (8'-9')

York Sample ID: 16H0404-04

York Project (SDG) No.

16H0404

Client Project ID

1678 & 1700 Park Avenue

Matrix

Soil

Collection Date/Time

August 8, 2016 12:00 pm

Date Received

08/08/2016

Semi-Volatiles, 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
92-87-5	Benzidine	ND		mg/kg dry	0.189	0.378	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	08/12/2016 07:19	08/12/2016 18:04	KH
56-55-3	Benzo(a)anthracene	0.109		mg/kg dry	0.0473	0.0943	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 18:04	KH
50-32-8	Benzo(a)pyrene	0.0731	J	mg/kg dry	0.0473	0.0943	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 18:04	KH
205-99-2	Benzo(b)fluoranthene	0.0852	J	mg/kg dry	0.0473	0.0943	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 18:04	KH
191-24-2	Benzo(g,h,i)perylene	0.0550	J	mg/kg dry	0.0473	0.0943	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 18:04	KH
207-08-9	Benzo(k)fluoranthene	0.0882	J	mg/kg dry	0.0473	0.0943	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 18:04	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0473	0.0943	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 18:04	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0473	0.0943	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 18:04	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0473	0.0943	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 18:04	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0473	0.0943	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 18:04	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0473	0.0943	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 18:04	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0473	0.0943	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 18:04	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0473	0.0943	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 18:04	KH
105-60-2	Caprolactam	ND		mg/kg dry	0.0943	0.188	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 18:04	KH
86-74-8	Carbazole	ND		mg/kg dry	0.0473	0.0943	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 18:04	KH
218-01-9	Chrysene	0.102		mg/kg dry	0.0473	0.0943	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 18:04	KH
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0473	0.0943	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 18:04	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0473	0.0943	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 18:04	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0473	0.0943	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 18:04	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0473	0.0943	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 18:04	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0473	0.0943	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 18:04	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0473	0.0943	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 18:04	KH
206-44-0	Fluoranthene	0.201		mg/kg dry	0.0473	0.0943	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 18:04	KH



Sample Information

Client Sample ID: SB-2 (8'-9')

York Sample ID: 16H0404-04

York Project (SDG) No.
16H0404

Client Project ID
1678 & 1700 Park Avenue

Matrix
Soil

Collection Date/Time
August 8, 2016 12:00 pm

Date Received
08/08/2016

Semi-Volatiles, 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
86-73-7	Fluorene	ND		mg/kg dry	0.0473	0.0943	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 18:04	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0473	0.0943	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 18:04	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0473	0.0943	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 18:04	KH
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0473	0.0943	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 18:04	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0473	0.0943	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 18:04	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0473	0.0943	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 18:04	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0473	0.0943	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 18:04	KH
91-20-3	Naphthalene	ND		mg/kg dry	0.0473	0.0943	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 18:04	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0473	0.0943	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 18:04	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0473	0.0943	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 18:04	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0473	0.0943	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 18:04	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0473	0.0943	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 18:04	KH
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0473	0.0943	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 18:04	KH
85-01-8	Phenanthrene	0.145		mg/kg dry	0.0473	0.0943	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 18:04	KH
108-95-2	Phenol	ND		mg/kg dry	0.0473	0.0943	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 18:04	KH
129-00-0	Pyrene	0.164		mg/kg dry	0.0473	0.0943	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 18:04	KH
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: 2-Fluorophenol	66.4 %	20-108								
4165-62-2	Surrogate: Phenol-d5	67.5 %	23-114								
4165-60-0	Surrogate: Nitrobenzene-d5	57.0 %	22-108								
321-60-8	Surrogate: 2-Fluorobiphenyl	65.1 %	21-113								
118-79-6	Surrogate: 2,4,6-Tribromophenol	73.7 %	19-110								
1718-51-0	Surrogate: Terphenyl-d14	54.7 %	24-116								

Pesticides, 8081 target list

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



Sample Information

Client Sample ID: SB-2 (8'-9')

York Sample ID: 16H0404-04

York Project (SDG) No.
16H0404

Client Project ID
1678 & 1700 Park Avenue

Matrix
Soil

Collection Date/Time
August 8, 2016 12:00 pm

Date Received
08/08/2016

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00187	0.00187	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 09:10	08/10/2016 15:53	AMC
72-55-9	4,4'-DDE	0.0192		mg/kg dry	0.00187	0.00187	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 09:10	08/10/2016 15:53	AMC
50-29-3	4,4'-DDT	0.0310		mg/kg dry	0.00187	0.00187	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 09:10	08/10/2016 15:53	AMC
309-00-2	Aldrin	ND		mg/kg dry	0.00187	0.00187	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 09:10	08/10/2016 15:53	AMC
319-84-6	alpha-BHC	ND		mg/kg dry	0.00187	0.00187	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 09:10	08/10/2016 15:53	AMC
5103-71-9	alpha-Chlordane	0.00323		mg/kg dry	0.00187	0.00187	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/09/2016 09:10	08/10/2016 15:53	AMC
319-85-7	beta-BHC	ND		mg/kg dry	0.00187	0.00187	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 09:10	08/10/2016 15:53	AMC
57-74-9	Chlordane, total	ND		mg/kg dry	0.0746	0.0746	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 09:10	08/10/2016 15:53	AMC
319-86-8	delta-BHC	ND		mg/kg dry	0.00187	0.00187	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 09:10	08/10/2016 15:53	AMC
60-57-1	Dieldrin	ND		mg/kg dry	0.00187	0.00187	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 09:10	08/10/2016 15:53	AMC
959-98-8	Endosulfan I	ND		mg/kg dry	0.00187	0.00187	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 09:10	08/10/2016 15:53	AMC
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00187	0.00187	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 09:10	08/10/2016 15:53	AMC
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00187	0.00187	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 09:10	08/10/2016 15:53	AMC
72-20-8	Endrin	ND		mg/kg dry	0.00187	0.00187	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 09:10	08/10/2016 15:53	AMC
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00187	0.00187	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 09:10	08/10/2016 15:53	AMC
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00187	0.00187	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 09:10	08/10/2016 15:53	AMC
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00187	0.00187	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 09:10	08/10/2016 15:53	AMC
5566-34-7	gamma-Chlordane	0.00388		mg/kg dry	0.00187	0.00187	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/09/2016 09:10	08/10/2016 15:53	AMC
76-44-8	Heptachlor	ND		mg/kg dry	0.00187	0.00187	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 09:10	08/10/2016 15:53	AMC
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00187	0.00187	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 09:10	08/10/2016 15:53	AMC
72-43-5	Methoxychlor	ND		mg/kg dry	0.00933	0.00933	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 09:10	08/10/2016 15:53	AMC
8001-35-2	Toxaphene	ND		mg/kg dry	0.0944	0.0944	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 09:10	08/10/2016 15:53	AMC
Surrogate Recoveries		Result	Acceptance Range								



Sample Information

Client Sample ID: SB-2 (8'-9')

York Sample ID: 16H0404-04

York Project (SDG) No.
16H0404

Client Project ID
1678 & 1700 Park Avenue

Matrix
Soil

Collection Date/Time
August 8, 2016 12:00 pm

Date Received
08/08/2016

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
877-09-8	Surrogate: Tetrachloro-m-xylene	23.1 %	GC-SC		30-140						
2051-24-3	Surrogate: Decachlorobiphenyl	90.6 %	u		30-140						

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0188	0.0188	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/09/2016 09:10	08/11/2016 09:27	AMC
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0188	0.0188	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/09/2016 09:10	08/11/2016 09:27	AMC
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0188	0.0188	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/09/2016 09:10	08/11/2016 09:27	AMC
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0188	0.0188	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/09/2016 09:10	08/11/2016 09:27	AMC
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0188	0.0188	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/09/2016 09:10	08/11/2016 09:27	AMC
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0188	0.0188	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/09/2016 09:10	08/11/2016 09:27	AMC
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0188	0.0188	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/09/2016 09:10	08/11/2016 09:27	AMC
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0188	0.0188	1	EPA 8082A Certifications:	08/09/2016 09:10	08/11/2016 09:27	AMC

Surrogate Recoveries		Result	Acceptance Range
877-09-8	Surrogate: Tetrachloro-m-xylene	74.0 %	30-140
2051-24-3	Surrogate: Decachlorobiphenyl	76.5 %	30-140

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	19000	B	mg/kg dry	5.65	5.65	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 12:05	08/10/2016 06:10	KV
7440-36-0	Antimony	ND		mg/kg dry	0.565	0.565	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 12:05	08/10/2016 06:10	KV
7440-38-2	Arsenic	3.36		mg/kg dry	1.13	1.13	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 12:05	08/10/2016 06:10	KV
7440-39-3	Barium	561		mg/kg dry	1.13	1.13	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 12:05	08/10/2016 06:10	KV
7440-41-7	Beryllium	ND		mg/kg dry	0.113	0.113	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 12:05	08/10/2016 06:10	KV
7440-43-9	Cadmium	1.10		mg/kg dry	0.339	0.339	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 12:05	08/10/2016 06:10	KV



Sample Information

Client Sample ID: SB-2 (8'-9')

York Sample ID: 16H0404-04

York Project (SDG) No.

16H0404

Client Project ID

1678 & 1700 Park Avenue

Matrix

Soil

Collection Date/Time

August 8, 2016 12:00 pm

Date Received

08/08/2016

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-70-2	Calcium	27700		mg/kg dry	0.565	5.65	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 12:05	08/10/2016 06:10	KV
7440-47-3	Chromium	37.8		mg/kg dry	0.565	0.565	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 12:05	08/10/2016 06:10	KV
7440-48-4	Cobalt	22.3		mg/kg dry	0.565	0.565	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 12:05	08/10/2016 06:10	KV
7440-50-8	Copper	58.4		mg/kg dry	0.565	0.565	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 12:05	08/10/2016 06:10	KV
7439-89-6	Iron	31700		mg/kg dry	2.26	2.26	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 12:05	08/10/2016 06:10	KV
7439-92-1	Lead	346		mg/kg dry	0.339	0.339	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 12:05	08/10/2016 06:10	KV
7439-95-4	Magnesium	10100		mg/kg dry	5.65	5.65	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 12:05	08/10/2016 06:10	KV
7439-96-5	Manganese	276		mg/kg dry	0.565	0.565	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 12:05	08/10/2016 06:10	KV
7440-02-0	Nickel	30.5		mg/kg dry	0.565	0.565	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 12:05	08/10/2016 06:10	KV
7440-09-7	Potassium	12000		mg/kg dry	565	565	100	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 12:05	08/11/2016 06:44	KV
7782-49-2	Selenium	3.40		mg/kg dry	1.13	1.13	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 12:05	08/10/2016 06:10	KV
7440-22-4	Silver	ND		mg/kg dry	0.565	0.565	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 12:05	08/10/2016 06:10	KV
7440-23-5	Sodium	280		mg/kg dry	11.3	11.3	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/09/2016 12:05	08/10/2016 06:10	KV
7440-28-0	Thallium	ND		mg/kg dry	1.13	1.13	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 12:05	08/10/2016 06:10	KV
7440-62-2	Vanadium	55.2		mg/kg dry	1.13	1.13	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 12:05	08/10/2016 06:10	KV
7440-66-6	Zinc	549		mg/kg dry	1.13	1.13	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 12:05	08/10/2016 06:10	KV

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.641		mg/kg dry	0.0339	0.0339	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	08/10/2016 06:30	08/10/2016 16:04	ALD

Total Solids

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: SB-2 (8'-9')

York Sample ID: 16H0404-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

16H0404

1678 & 1700 Park Avenue

Soil

August 8, 2016 12:00 pm

08/08/2016

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	88.4		%	0.100	0.100	1	SM 2540G Certifications: CTDOH	08/09/2016 14:52	08/09/2016 20:03	TJM

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.396	0.565	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	08/15/2016 08:39	08/15/2016 14:04	LAB

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	37.8		mg/kg	0.250	0.500	1	Calculation Certifications:	08/15/2016 11:09	08/15/2016 14:34	AA

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.565	0.565	1	EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2016 08:13	08/15/2016 13:09	LAB

Sample Information

Client Sample ID: SB-5 (1'-2')

York Sample ID: 16H0404-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

16H0404

1678 & 1700 Park Avenue

Soil

August 8, 2016 2:05 pm

08/08/2016

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 19:53	BK
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 08:00	08/11/2016 19:53	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 08:00	08/11/2016 19:53	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 19:53	BK



Sample Information

Client Sample ID: SB-5 (1'-2')

York Sample ID: 16H0404-05

York Project (SDG) No.

16H0404

Client Project ID

1678 & 1700 Park Avenue

Matrix

Soil

Collection Date/Time

August 8, 2016 2:05 pm

Date Received

08/08/2016

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 08:00	08/11/2016 19:53	BK
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 08:00	08/11/2016 19:53	BK
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 08:00	08/11/2016 19:53	BK
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 19:53	BK
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 19:53	BK
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 19:53	BK
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 19:53	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 19:53	BK
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 19:53	BK
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 08:00	08/11/2016 19:53	BK
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 08:00	08/11/2016 19:53	BK
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 19:53	BK
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 19:53	BK
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 08:00	08/11/2016 19:53	BK
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 08:00	08/11/2016 19:53	BK
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.064	0.13	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 19:53	BK
78-93-3	2-Butanone	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 19:53	BK
591-78-6	2-Hexanone	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 19:53	BK
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 19:53	BK
67-64-1	Acetone	ND	SCAL- E	mg/kg dry	0.0064	0.013	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 19:53	BK
107-02-8	Acrolein	ND		mg/kg dry	0.0064	0.013	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 19:53	BK
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 19:53	BK
71-43-2	Benzene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 08:00	08/11/2016 19:53	BK



Sample Information

Client Sample ID: SB-5 (1'-2')

York Sample ID: 16H0404-05

York Project (SDG) No.
16H0404

Client Project ID
1678 & 1700 Park Avenue

Matrix
Soil

Collection Date/Time
August 8, 2016 2:05 pm

Date Received
08/08/2016

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 19:53	BK
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 08:00	08/11/2016 19:53	BK
75-25-2	Bromoform	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 08:00	08/11/2016 19:53	BK
74-83-9	Bromomethane	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 08:00	08/11/2016 19:53	BK
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 19:53	BK
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 08:00	08/11/2016 19:53	BK
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 08:00	08/11/2016 19:53	BK
75-00-3	Chloroethane	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 08:00	08/11/2016 19:53	BK
67-66-3	Chloroform	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 08:00	08/11/2016 19:53	BK
74-87-3	Chloromethane	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 08:00	08/11/2016 19:53	BK
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 19:53	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 08:00	08/11/2016 19:53	BK
110-82-7	Cyclohexane	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 19:53	BK
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,PADEP	08/11/2016 08:00	08/11/2016 19:53	BK
74-95-3	Dibromomethane	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 19:53	BK
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 19:53	BK
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 08:00	08/11/2016 19:53	BK
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 19:53	BK
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 19:53	BK
79-20-9	Methyl acetate	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 19:53	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 19:53	BK
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 19:53	BK
75-09-2	Methylene chloride	ND		mg/kg dry	0.0064	0.013	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 08:00	08/11/2016 19:53	BK
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 19:53	BK



Sample Information

Client Sample ID: SB-5 (1'-2')

York Sample ID: 16H0404-05

York Project (SDG) No.

16H0404

Client Project ID

1678 & 1700 Park Avenue

Matrix

Soil

Collection Date/Time

August 8, 2016 2:05 pm

Date Received

08/08/2016

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 19:53	BK
95-47-6	o-Xylene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854	08/11/2016 08:00	08/11/2016 19:53	BK
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0064	0.013	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854	08/11/2016 08:00	08/11/2016 19:53	BK
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 19:53	BK
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 19:53	BK
100-42-5	Styrene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 19:53	BK
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 19:53	BK
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 19:53	BK
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 08:00	08/11/2016 19:53	BK
108-88-3	Toluene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 08:00	08/11/2016 19:53	BK
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 19:53	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 08:00	08/11/2016 19:53	BK
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 08:00	08/11/2016 19:53	BK
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 08:00	08/11/2016 19:53	BK
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 08:00	08/11/2016 19:53	BK
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0096	0.019	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 08:00	08/11/2016 19:53	BK
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	98.5 %	77-125								
2037-26-5	Surrogate: Toluene-d8	104 %	85-120								
460-00-4	Surrogate: p-Bromofluorobenzene	119 %	76-130								

Semi-Volatiles, 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	0.125	0.249	5	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 22:23	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.249	0.496	5	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 22:23	KH



Sample Information

Client Sample ID: SB-5 (1'-2')

York Sample ID: 16H0404-05

York Project (SDG) No.

16H0404

Client Project ID

1678 & 1700 Park Avenue

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Collection Date/Time

August 8, 2016 2:05 pm

Date Received

08/08/2016

Semi-Volatiles, 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
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.125	0.249	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 22:23	KH
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.125	0.249	5	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/12/2016 07:19	08/12/2016 22:23	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.125	0.249	5	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 22:23	KH
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.125	0.249	5	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/12/2016 07:19	08/12/2016 22:23	KH
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.125	0.249	5	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/12/2016 07:19	08/12/2016 22:23	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.249	0.496	5	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 22:23	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.125	0.249	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 22:23	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.125	0.249	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 22:23	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.125	0.249	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 22:23	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.125	0.249	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 22:23	KH
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.249	0.496	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 22:23	KH
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.125	0.249	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 22:23	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.125	0.249	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 22:23	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.125	0.249	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 22:23	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.125	0.249	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 22:23	KH
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.125	0.249	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 22:23	KH
95-48-7	2-Methylphenol	ND		mg/kg dry	0.125	0.249	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 22:23	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.249	0.496	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 22:23	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.125	0.249	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 22:23	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.125	0.249	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 22:23	KH
91-94-1	3,3'-Dichlorobenzidine	ND		mg/kg dry	0.125	0.249	5	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 22:23	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.249	0.496	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 22:23	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.249	0.496	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 22:23	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.125	0.249	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 22:23	KH



Sample Information

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Matrix

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August 8, 2016 2:05 pm

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08/08/2016

Semi-Volatiles, 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
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.125	0.249	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 22:23	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.125	0.249	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 22:23	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.125	0.249	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 22:23	KH
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.249	0.496	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 22:23	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.249	0.496	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 22:23	KH
83-32-9	Acenaphthene	ND		mg/kg dry	0.125	0.249	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 22:23	KH
208-96-8	Acenaphthylene	ND		mg/kg dry	0.125	0.249	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 22:23	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.125	0.249	5	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 22:23	KH
62-53-3	Aniline	ND		mg/kg dry	0.498	0.995	5	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 22:23	KH
120-12-7	Anthracene	ND		mg/kg dry	0.125	0.249	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 22:23	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.125	0.249	5	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 22:23	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.125	0.249	5	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 22:23	KH
92-87-5	Benzidine	ND		mg/kg dry	0.498	0.995	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 22:23	KH
56-55-3	Benzo(a)anthracene	0.248	J	mg/kg dry	0.125	0.249	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 22:23	KH
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.125	0.249	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 22:23	KH
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.125	0.249	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 22:23	KH
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.125	0.249	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 22:23	KH
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.125	0.249	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 22:23	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.125	0.249	5	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 22:23	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.125	0.249	5	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 22:23	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.125	0.249	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 22:23	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.125	0.249	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 22:23	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.125	0.249	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 22:23	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.125	0.249	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 22:23	KH



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Semi-Volatiles, 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
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.125	0.249	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 22:23	KH
105-60-2	Caprolactam	ND		mg/kg dry	0.249	0.496	5	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 22:23	KH
86-74-8	Carbazole	ND		mg/kg dry	0.125	0.249	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 22:23	KH
218-01-9	Chrysene	0.232	J	mg/kg dry	0.125	0.249	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 22:23	KH
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.125	0.249	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 22:23	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.125	0.249	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 22:23	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.125	0.249	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 22:23	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.125	0.249	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 22:23	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.125	0.249	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 22:23	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.125	0.249	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 22:23	KH
206-44-0	Fluoranthene	0.364		mg/kg dry	0.125	0.249	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 22:23	KH
86-73-7	Fluorene	ND		mg/kg dry	0.125	0.249	5	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 22:23	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.125	0.249	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 22:23	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.125	0.249	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 22:23	KH
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.125	0.249	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 22:23	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.125	0.249	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 22:23	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.125	0.249	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 22:23	KH
78-59-1	Isophorone	ND		mg/kg dry	0.125	0.249	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 22:23	KH
91-20-3	Naphthalene	ND		mg/kg dry	0.125	0.249	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 22:23	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.125	0.249	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 22:23	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.125	0.249	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 22:23	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.125	0.249	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 22:23	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.125	0.249	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 22:23	KH



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August 8, 2016 2:05 pm

Date Received
08/08/2016

Semi-Volatiles, 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
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.125	0.249	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 22:23	KH
85-01-8	Phenanthrene	0.185	J	mg/kg dry	0.125	0.249	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 22:23	KH
108-95-2	Phenol	ND		mg/kg dry	0.125	0.249	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 22:23	KH
129-00-0	Pyrene	0.556		mg/kg dry	0.125	0.249	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 22:23	KH
Surrogate Recoveries		Result		Acceptance Range							
367-12-4	Surrogate: 2-Fluorophenol	60.1 %									
4165-62-2	Surrogate: Phenol-d5	78.2 %									
4165-60-0	Surrogate: Nitrobenzene-d5	63.0 %									
321-60-8	Surrogate: 2-Fluorobiphenyl	75.3 %									
118-79-6	Surrogate: 2,4,6-Tribromophenol	77.0 %									
1718-51-0	Surrogate: Terphenyl-d14	94.6 %									

Pesticides, 8081 target list

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
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00197	0.00197	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 09:10	08/10/2016 16:08	AMC
72-55-9	4,4'-DDE	0.0117		mg/kg dry	0.00197	0.00197	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 09:10	08/10/2016 16:08	AMC
50-29-3	4,4'-DDT	0.0315		mg/kg dry	0.00197	0.00197	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 09:10	08/10/2016 16:08	AMC
309-00-2	Aldrin	ND		mg/kg dry	0.00197	0.00197	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 09:10	08/10/2016 16:08	AMC
319-84-6	alpha-BHC	ND		mg/kg dry	0.00197	0.00197	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 09:10	08/10/2016 16:08	AMC
5103-71-9	alpha-Chlordane	0.00246		mg/kg dry	0.00197	0.00197	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/09/2016 09:10	08/10/2016 16:08	AMC
319-85-7	beta-BHC	ND		mg/kg dry	0.00197	0.00197	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 09:10	08/10/2016 16:08	AMC
57-74-9	Chlordane, total	ND		mg/kg dry	0.0787	0.0787	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 09:10	08/10/2016 16:08	AMC
319-86-8	delta-BHC	ND		mg/kg dry	0.00197	0.00197	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 09:10	08/10/2016 16:08	AMC
60-57-1	Dieldrin	0.00252		mg/kg dry	0.00197	0.00197	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 09:10	08/10/2016 16:08	AMC
959-98-8	Endosulfan I	ND		mg/kg dry	0.00197	0.00197	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 09:10	08/10/2016 16:08	AMC
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00197	0.00197	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 09:10	08/10/2016 16:08	AMC



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Soil

Collection Date/Time

August 8, 2016 2:05 pm

Date Received

08/08/2016

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00197	0.00197	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 09:10	08/10/2016 16:08	AMC
72-20-8	Endrin	ND		mg/kg dry	0.00197	0.00197	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 09:10	08/10/2016 16:08	AMC
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00197	0.00197	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 09:10	08/10/2016 16:08	AMC
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00197	0.00197	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 09:10	08/10/2016 16:08	AMC
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00197	0.00197	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 09:10	08/10/2016 16:08	AMC
5566-34-7	gamma-Chlordane	0.00303		mg/kg dry	0.00197	0.00197	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/09/2016 09:10	08/10/2016 16:08	AMC
76-44-8	Heptachlor	ND		mg/kg dry	0.00197	0.00197	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 09:10	08/10/2016 16:08	AMC
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00197	0.00197	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 09:10	08/10/2016 16:08	AMC
72-43-5	Methoxychlor	ND		mg/kg dry	0.00983	0.00983	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 09:10	08/10/2016 16:08	AMC
8001-35-2	Toxaphene	ND		mg/kg dry	0.0995	0.0995	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 09:10	08/10/2016 16:08	AMC
Surrogate Recoveries		Result	Acceptance Range								
877-09-8	Surrogate: Tetrachloro-m-xylene	32.2 %	30-140								
2051-24-3	Surrogate: Decachlorobiphenyl	83.8 %	30-140								

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0199	0.0199	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/09/2016 09:10	08/11/2016 09:46	AMC
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0199	0.0199	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/09/2016 09:10	08/11/2016 09:46	AMC
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0199	0.0199	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/09/2016 09:10	08/11/2016 09:46	AMC
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0199	0.0199	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/09/2016 09:10	08/11/2016 09:46	AMC
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0199	0.0199	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/09/2016 09:10	08/11/2016 09:46	AMC
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0199	0.0199	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/09/2016 09:10	08/11/2016 09:46	AMC
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0199	0.0199	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/09/2016 09:10	08/11/2016 09:46	AMC
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0199	0.0199	1	EPA 8082A Certifications:	08/09/2016 09:10	08/11/2016 09:46	AMC
Surrogate Recoveries		Result	Acceptance Range								



Sample Information

Client Sample ID: SB-5 (1'-2')

York Sample ID: 16H0404-05

York Project (SDG) No.

16H0404

Client Project ID

1678 & 1700 Park Avenue

Matrix

Soil

Collection Date/Time

August 8, 2016 2:05 pm

Date Received

08/08/2016

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
877-09-8	Surrogate: Tetrachloro-m-xylene	69.0 %			30-140						
2051-24-3	Surrogate: Decachlorobiphenyl	69.0 %			30-140						

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	14300	B	mg/kg dry	5.96	5.96	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 12:05	08/10/2016 06:15	KV
7440-36-0	Antimony	ND		mg/kg dry	0.596	0.596	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 12:05	08/10/2016 06:15	KV
7440-38-2	Arsenic	3.72		mg/kg dry	1.19	1.19	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 12:05	08/10/2016 06:15	KV
7440-39-3	Barium	168		mg/kg dry	1.19	1.19	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 12:05	08/10/2016 06:15	KV
7440-41-7	Beryllium	ND		mg/kg dry	0.119	0.119	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 12:05	08/10/2016 06:15	KV
7440-43-9	Cadmium	0.879		mg/kg dry	0.358	0.358	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 12:05	08/10/2016 06:15	KV
7440-70-2	Calcium	15400		mg/kg dry	0.596	5.96	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 12:05	08/10/2016 06:15	KV
7440-47-3	Chromium	26.1		mg/kg dry	0.596	0.596	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 12:05	08/10/2016 06:15	KV
7440-48-4	Cobalt	12.8		mg/kg dry	0.596	0.596	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 12:05	08/10/2016 06:15	KV
7440-50-8	Copper	58.2		mg/kg dry	0.596	0.596	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 12:05	08/10/2016 06:15	KV
7439-89-6	Iron	19500		mg/kg dry	2.38	2.38	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 12:05	08/10/2016 06:15	KV
7439-92-1	Lead	67.5		mg/kg dry	0.358	0.358	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 12:05	08/10/2016 06:15	KV
7439-95-4	Magnesium	8900		mg/kg dry	5.96	5.96	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 12:05	08/10/2016 06:15	KV
7439-96-5	Manganese	387		mg/kg dry	0.596	0.596	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 12:05	08/10/2016 06:15	KV
7440-02-0	Nickel	27.8		mg/kg dry	0.596	0.596	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 12:05	08/10/2016 06:15	KV
7440-09-7	Potassium	2650		mg/kg dry	5.96	5.96	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 12:05	08/10/2016 06:15	KV
7782-49-2	Selenium	3.37		mg/kg dry	1.19	1.19	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 12:05	08/10/2016 06:15	KV
7440-22-4	Silver	ND		mg/kg dry	0.596	0.596	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 12:05	08/10/2016 06:15	KV



Sample Information

Client Sample ID: SB-5 (1'-2')

York Sample ID: 16H0404-05

York Project (SDG) No.

16H0404

Client Project ID

1678 & 1700 Park Avenue

Matrix

Soil

Collection Date/Time

August 8, 2016 2:05 pm

Date Received

08/08/2016

Metals, Target Analyte

Sample Prepared by Method: EPA 3050B

Log-in Notes:

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-23-5	Sodium	274		mg/kg dry	11.9	11.9	1	EPA 6010C	08/09/2016 12:05	08/10/2016 06:15	KV
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
7440-28-0	Thallium	ND		mg/kg dry	1.19	1.19	1	EPA 6010C	08/09/2016 12:05	08/10/2016 06:15	KV
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-62-2	Vanadium	37.4		mg/kg dry	1.19	1.19	1	EPA 6010C	08/09/2016 12:05	08/10/2016 06:15	KV
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-66-6	Zinc	349		mg/kg dry	1.19	1.19	1	EPA 6010C	08/09/2016 12:05	08/10/2016 06:15	KV
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Mercury by 7473

Sample Prepared by Method: EPA 7473 soil

Log-in Notes:

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.240		mg/kg dry	0.0358	0.0358	1	EPA 7473	08/10/2016 06:30	08/10/2016 16:16	ALD
								Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP			

Total Solids

Sample Prepared by Method: % Solids Prep

Log-in Notes:

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	83.9		%	0.100	0.100	1	SM 2540G	08/09/2016 14:52	08/09/2016 20:03	TJM
								Certifications: CTDOH			

Chromium, Hexavalent

Sample Prepared by Method: EPA SW846-3060

Log-in Notes:

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.417	0.596	1	EPA 7196A	08/15/2016 08:39	08/15/2016 14:04	LAB
								Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP			

Chromium, Trivalent

Sample Prepared by Method: Analysis Preparation

Log-in Notes:

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	26.1		mg/kg	0.250	0.500	1	Calculation	08/15/2016 11:09	08/15/2016 14:34	AA
								Certifications:			

Cyanide, Total

Sample Prepared by Method: Analysis Preparation Soil

Log-in Notes:

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.596	0.596	1	EPA 9014/9010C	08/15/2016 08:13	08/15/2016 13:09	LAB
								Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			



Sample Information

Client Sample ID: SB-5 (1'-2')

York Sample ID: 16H0404-05

<u>York Project (SDG) No.</u> 16H0404	<u>Client Project ID</u> 1678 & 1700 Park Avenue	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 8, 2016 2:05 pm	<u>Date Received</u> 08/08/2016

Sample Information

Client Sample ID: SB-5 (12'-13')

York Sample ID: 16H0404-06

<u>York Project (SDG) No.</u> 16H0404	<u>Client Project ID</u> 1678 & 1700 Park Avenue	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 8, 2016 2:30 pm	<u>Date Received</u> 08/08/2016

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0030	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 17:00	08/12/2016 02:16	BK
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0030	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 17:00	08/12/2016 02:16	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0030	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 17:00	08/12/2016 02:16	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0030	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 17:00	08/12/2016 02:16	BK
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0030	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 17:00	08/12/2016 02:16	BK
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0030	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 17:00	08/12/2016 02:16	BK
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0030	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 17:00	08/12/2016 02:16	BK
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0030	0.0059	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/11/2016 17:00	08/12/2016 02:16	BK
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0030	0.0059	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/11/2016 17:00	08/12/2016 02:16	BK
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0030	0.0059	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/11/2016 17:00	08/12/2016 02:16	BK
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0030	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 17:00	08/12/2016 02:16	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0030	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 17:00	08/12/2016 02:16	BK
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0030	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 17:00	08/12/2016 02:16	BK
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0030	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 17:00	08/12/2016 02:16	BK
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0030	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 17:00	08/12/2016 02:16	BK
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0030	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 17:00	08/12/2016 02:16	BK
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0030	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 17:00	08/12/2016 02:16	BK
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0030	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 17:00	08/12/2016 02:16	BK



Sample Information

Client Sample ID: SB-5 (12'-13')

York Sample ID: 16H0404-06

York Project (SDG) No.

16H0404

Client Project ID

1678 & 1700 Park Avenue

Matrix

Soil

Collection Date/Time

August 8, 2016 2:30 pm

Date Received

08/08/2016

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0030	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 17:00	08/12/2016 02:16	BK
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.059	0.12	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/11/2016 17:00	08/12/2016 02:16	BK
78-93-3	2-Butanone	ND		mg/kg dry	0.0030	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 17:00	08/12/2016 02:16	BK
591-78-6	2-Hexanone	ND		mg/kg dry	0.0030	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 17:00	08/12/2016 02:16	BK
108-10-1	4-Methyl-2-pentanone	0.0081		mg/kg dry	0.0030	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 17:00	08/12/2016 02:16	BK
67-64-1	Acetone	0.016		mg/kg dry	0.0059	0.012	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 17:00	08/12/2016 02:16	BK
107-02-8	Acrolein	ND		mg/kg dry	0.0059	0.012	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 17:00	08/12/2016 02:16	BK
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0030	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 17:00	08/12/2016 02:16	BK
71-43-2	Benzene	ND		mg/kg dry	0.0030	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 17:00	08/12/2016 02:16	BK
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0030	0.0059	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/11/2016 17:00	08/12/2016 02:16	BK
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0030	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 17:00	08/12/2016 02:16	BK
75-25-2	Bromoform	ND		mg/kg dry	0.0030	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 17:00	08/12/2016 02:16	BK
74-83-9	Bromomethane	ND		mg/kg dry	0.0030	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 17:00	08/12/2016 02:16	BK
75-15-0	Carbon disulfide	0.0037	J	mg/kg dry	0.0030	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 17:00	08/12/2016 02:16	BK
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0030	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 17:00	08/12/2016 02:16	BK
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0030	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 17:00	08/12/2016 02:16	BK
75-00-3	Chloroethane	ND		mg/kg dry	0.0030	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 17:00	08/12/2016 02:16	BK
67-66-3	Chloroform	ND		mg/kg dry	0.0030	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 17:00	08/12/2016 02:16	BK
74-87-3	Chloromethane	ND		mg/kg dry	0.0030	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 17:00	08/12/2016 02:16	BK
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0030	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 17:00	08/12/2016 02:16	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0030	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 17:00	08/12/2016 02:16	BK
110-82-7	Cyclohexane	ND		mg/kg dry	0.0030	0.0059	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/11/2016 17:00	08/12/2016 02:16	BK
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0030	0.0059	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,PADEP	08/11/2016 17:00	08/12/2016 02:16	BK



Sample Information

Client Sample ID: SB-5 (12'-13')

York Sample ID: 16H0404-06

York Project (SDG) No.

16H0404

Client Project ID

1678 & 1700 Park Avenue

Matrix

Soil

Collection Date/Time

August 8, 2016 2:30 pm

Date Received

08/08/2016

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-95-3	Dibromomethane	ND		mg/kg dry	0.0030	0.0059	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/11/2016 17:00	08/12/2016 02:16	BK
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0030	0.0059	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/11/2016 17:00	08/12/2016 02:16	BK
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0030	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 17:00	08/12/2016 02:16	BK
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0030	0.0059	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/11/2016 17:00	08/12/2016 02:16	BK
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0030	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 17:00	08/12/2016 02:16	BK
79-20-9	Methyl acetate	ND		mg/kg dry	0.0030	0.0059	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/11/2016 17:00	08/12/2016 02:16	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0030	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 17:00	08/12/2016 02:16	BK
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0030	0.0059	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/11/2016 17:00	08/12/2016 02:16	BK
75-09-2	Methylene chloride	0.013		mg/kg dry	0.0059	0.012	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 17:00	08/12/2016 02:16	BK
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0030	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 17:00	08/12/2016 02:16	BK
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0030	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 17:00	08/12/2016 02:16	BK
95-47-6	o-Xylene	ND		mg/kg dry	0.0030	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854	08/11/2016 17:00	08/12/2016 02:16	BK
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0059	0.012	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854	08/11/2016 17:00	08/12/2016 02:16	BK
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0030	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 17:00	08/12/2016 02:16	BK
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0030	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 17:00	08/12/2016 02:16	BK
100-42-5	Styrene	ND		mg/kg dry	0.0030	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 17:00	08/12/2016 02:16	BK
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0030	0.0059	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/11/2016 17:00	08/12/2016 02:16	BK
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0030	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 17:00	08/12/2016 02:16	BK
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0030	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 17:00	08/12/2016 02:16	BK
108-88-3	Toluene	ND		mg/kg dry	0.0030	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 17:00	08/12/2016 02:16	BK
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0030	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 17:00	08/12/2016 02:16	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0030	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 17:00	08/12/2016 02:16	BK
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0030	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 17:00	08/12/2016 02:16	BK
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0030	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 17:00	08/12/2016 02:16	BK



Sample Information

Client Sample ID: SB-5 (12'-13')

York Sample ID: 16H0404-06

York Project (SDG) No.

16H0404

Client Project ID

1678 & 1700 Park Avenue

Matrix

Soil

Collection Date/Time

August 8, 2016 2:30 pm

Date Received

08/08/2016

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0030	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 17:00	08/12/2016 02:16	BK
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0089	0.018	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 17:00	08/12/2016 02:16	BK
Surrogate Recoveries		Result		Acceptance Range							
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	103 %		77-125							
2037-26-5	Surrogate: Toluene-d8	99.5 %		85-120							
460-00-4	Surrogate: p-Bromofluorobenzene	96.7 %		76-130							

Semi-Volatiles, 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	0.0460	0.0919	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 18:37	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0919	0.184	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 18:37	KH
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 18:37	KH
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/12/2016 07:19	08/12/2016 18:37	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 18:37	KH
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/12/2016 07:19	08/12/2016 18:37	KH
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/12/2016 07:19	08/12/2016 18:37	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0919	0.184	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 18:37	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 18:37	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 18:37	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 18:37	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 18:37	KH
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0919	0.184	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 18:37	KH
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 18:37	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 18:37	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 18:37	KH



Sample Information

Client Sample ID: SB-5 (12'-13')

York Sample ID: 16H0404-06

York Project (SDG) No.

16H0404

Client Project ID

1678 & 1700 Park Avenue

Matrix

Soil

Collection Date/Time

August 8, 2016 2:30 pm

Date Received

08/08/2016

Semi-Volatiles, 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
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 18:37	KH
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 18:37	KH
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 18:37	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0919	0.184	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 18:37	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 18:37	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 18:37	KH
91-94-1	3,3'-Dichlorobenzidine	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 18:37	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0919	0.184	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 18:37	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0919	0.184	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 18:37	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 18:37	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 18:37	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 18:37	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 18:37	KH
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0919	0.184	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 18:37	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0919	0.184	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 18:37	KH
83-32-9	Acenaphthene	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 18:37	KH
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 18:37	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 18:37	KH
62-53-3	Aniline	ND		mg/kg dry	0.184	0.368	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 18:37	KH
120-12-7	Anthracene	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 18:37	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 18:37	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 18:37	KH
92-87-5	Benzidine	ND		mg/kg dry	0.184	0.368	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 18:37	KH
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 18:37	KH



Sample Information

Client Sample ID: SB-5 (12'-13')

York Sample ID: 16H0404-06

York Project (SDG) No.
16H0404

Client Project ID
1678 & 1700 Park Avenue

Matrix
Soil

Collection Date/Time
August 8, 2016 2:30 pm

Date Received
08/08/2016

Semi-Volatiles, 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
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 18:37	KH
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 18:37	KH
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 18:37	KH
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 18:37	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 18:37	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 18:37	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 18:37	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 18:37	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 18:37	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 18:37	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 18:37	KH
105-60-2	Caprolactam	ND		mg/kg dry	0.0919	0.184	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 18:37	KH
86-74-8	Carbazole	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 18:37	KH
218-01-9	Chrysene	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 18:37	KH
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 18:37	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 18:37	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 18:37	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 18:37	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 18:37	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 18:37	KH
206-44-0	Fluoranthene	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 18:37	KH
86-73-7	Fluorene	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 18:37	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 18:37	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 18:37	KH



Sample Information

Client Sample ID: SB-5 (12'-13')

York Sample ID: 16H0404-06

York Project (SDG) No.
16H0404

Client Project ID
1678 & 1700 Park Avenue

Matrix
Soil

Collection Date/Time
August 8, 2016 2:30 pm

Date Received
08/08/2016

Semi-Volatiles, 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		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 18:37	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 18:37	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 18:37	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 18:37	KH
91-20-3	Naphthalene	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 18:37	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 18:37	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 18:37	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 18:37	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 18:37	KH
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 18:37	KH
85-01-8	Phenanthrene	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 18:37	KH
108-95-2	Phenol	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 18:37	KH
129-00-0	Pyrene	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 07:19	08/12/2016 18:37	KH
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: 2-Fluorophenol	65.4 %	20-108								
4165-62-2	Surrogate: Phenol-d5	58.8 %	23-114								
4165-60-0	Surrogate: Nitrobenzene-d5	55.3 %	22-108								
321-60-8	Surrogate: 2-Fluorobiphenyl	59.8 %	21-113								
118-79-6	Surrogate: 2,4,6-Tribromophenol	61.7 %	19-110								
1718-51-0	Surrogate: Terphenyl-d14	46.7 %	24-116								

Pesticides, 8081 target list

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
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00182	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 09:10	08/10/2016 02:19	AMC
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00182	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 09:10	08/10/2016 02:19	AMC
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00182	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 09:10	08/10/2016 02:19	AMC



Sample Information

Client Sample ID: SB-5 (12'-13')

York Sample ID: 16H0404-06

York Project (SDG) No.

16H0404

Client Project ID

1678 & 1700 Park Avenue

Matrix

Soil

Collection Date/Time

August 8, 2016 2:30 pm

Date Received

08/08/2016

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
309-00-2	Aldrin	ND		mg/kg dry	0.00182	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 09:10	08/10/2016 02:19	AMC
319-84-6	alpha-BHC	ND		mg/kg dry	0.00182	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 09:10	08/10/2016 02:19	AMC
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00182	0.00182	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/09/2016 09:10	08/10/2016 02:19	AMC
319-85-7	beta-BHC	ND		mg/kg dry	0.00182	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 09:10	08/10/2016 02:19	AMC
57-74-9	Chlordane, total	ND		mg/kg dry	0.0727	0.0727	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 09:10	08/10/2016 02:19	AMC
319-86-8	delta-BHC	ND		mg/kg dry	0.00182	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 09:10	08/10/2016 02:19	AMC
60-57-1	Dieldrin	ND		mg/kg dry	0.00182	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 09:10	08/10/2016 02:19	AMC
959-98-8	Endosulfan I	ND		mg/kg dry	0.00182	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 09:10	08/10/2016 02:19	AMC
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00182	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 09:10	08/10/2016 02:19	AMC
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00182	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 09:10	08/10/2016 02:19	AMC
72-20-8	Endrin	ND		mg/kg dry	0.00182	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 09:10	08/10/2016 02:19	AMC
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00182	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 09:10	08/10/2016 02:19	AMC
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00182	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 09:10	08/10/2016 02:19	AMC
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00182	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 09:10	08/10/2016 02:19	AMC
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00182	0.00182	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/09/2016 09:10	08/10/2016 02:19	AMC
76-44-8	Heptachlor	ND		mg/kg dry	0.00182	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 09:10	08/10/2016 02:19	AMC
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00182	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 09:10	08/10/2016 02:19	AMC
72-43-5	Methoxychlor	ND		mg/kg dry	0.00909	0.00909	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 09:10	08/10/2016 02:19	AMC
8001-35-2	Toxaphene	ND		mg/kg dry	0.0920	0.0920	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 09:10	08/10/2016 02:19	AMC
Surrogate Recoveries		Result	Acceptance Range								
877-09-8	Surrogate: Tetrachloro-m-xylene	78.5 %	30-140								
2051-24-3	Surrogate: Decachlorobiphenyl	80.5 %	30-140								

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst



Sample Information

Client Sample ID: SB-5 (12'-13')

York Sample ID: 16H0404-06

York Project (SDG) No.
16H0404

Client Project ID
1678 & 1700 Park Avenue

Matrix
Soil

Collection Date/Time
August 8, 2016 2:30 pm

Date Received
08/08/2016

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0184	0.0184	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/09/2016 09:10	08/11/2016 10:06	AMC
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0184	0.0184	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/09/2016 09:10	08/11/2016 10:06	AMC
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0184	0.0184	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/09/2016 09:10	08/11/2016 10:06	AMC
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0184	0.0184	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/09/2016 09:10	08/11/2016 10:06	AMC
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0184	0.0184	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/09/2016 09:10	08/11/2016 10:06	AMC
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0184	0.0184	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/09/2016 09:10	08/11/2016 10:06	AMC
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0184	0.0184	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/09/2016 09:10	08/11/2016 10:06	AMC
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0184	0.0184	1	EPA 8082A Certifications:	08/09/2016 09:10	08/11/2016 10:06	AMC
Surrogate Recoveries		Result	Acceptance Range								
877-09-8	Surrogate: Tetrachloro-m-xylene	63.5 %	30-140								
2051-24-3	Surrogate: Decachlorobiphenyl	63.5 %	30-140								

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	7810	B	mg/kg dry	5.51	5.51	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 12:05	08/10/2016 06:19	KV
7440-36-0	Antimony	ND		mg/kg dry	0.551	0.551	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 12:05	08/10/2016 06:19	KV
7440-38-2	Arsenic	1.45		mg/kg dry	1.10	1.10	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 12:05	08/10/2016 06:19	KV
7440-39-3	Barium	34.7		mg/kg dry	1.10	1.10	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 12:05	08/10/2016 06:19	KV
7440-41-7	Beryllium	ND		mg/kg dry	0.110	0.110	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 12:05	08/10/2016 06:19	KV
7440-43-9	Cadmium	ND		mg/kg dry	0.330	0.330	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 12:05	08/10/2016 06:19	KV
7440-70-2	Calcium	38700		mg/kg dry	0.551	5.51	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 12:05	08/10/2016 06:19	KV
7440-47-3	Chromium	12.6		mg/kg dry	0.551	0.551	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 12:05	08/10/2016 06:19	KV
7440-48-4	Cobalt	8.13		mg/kg dry	0.551	0.551	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 12:05	08/10/2016 06:19	KV



Sample Information

Client Sample ID: SB-5 (12'-13')

York Sample ID: 16H0404-06

York Project (SDG) No.

16H0404

Client Project ID

1678 & 1700 Park Avenue

Matrix

Soil

Collection Date/Time

August 8, 2016 2:30 pm

Date Received

08/08/2016

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-50-8	Copper	23.4		mg/kg dry	0.551	0.551	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 12:05	08/10/2016 06:19	KV
7439-89-6	Iron	12500		mg/kg dry	2.20	2.20	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 12:05	08/10/2016 06:19	KV
7439-92-1	Lead	4.90		mg/kg dry	0.330	0.330	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 12:05	08/10/2016 06:19	KV
7439-95-4	Magnesium	25600		mg/kg dry	5.51	5.51	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 12:05	08/10/2016 06:19	KV
7439-96-5	Manganese	154		mg/kg dry	0.551	0.551	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 12:05	08/10/2016 06:19	KV
7440-02-0	Nickel	15.1		mg/kg dry	0.551	0.551	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 12:05	08/10/2016 06:19	KV
7440-09-7	Potassium	1940		mg/kg dry	5.51	5.51	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 12:05	08/10/2016 06:19	KV
7782-49-2	Selenium	1.40		mg/kg dry	1.10	1.10	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 12:05	08/10/2016 06:19	KV
7440-22-4	Silver	ND		mg/kg dry	0.551	0.551	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 12:05	08/10/2016 06:19	KV
7440-23-5	Sodium	240		mg/kg dry	11.0	11.0	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/09/2016 12:05	08/10/2016 06:19	KV
7440-28-0	Thallium	ND		mg/kg dry	1.10	1.10	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 12:05	08/10/2016 06:19	KV
7440-62-2	Vanadium	22.6		mg/kg dry	1.10	1.10	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 12:05	08/10/2016 06:19	KV
7440-66-6	Zinc	48.3		mg/kg dry	1.10	1.10	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2016 12:05	08/10/2016 06:19	KV

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0330	0.0330	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	08/10/2016 06:30	08/10/2016 16:25	ALD

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	90.8		%	0.100	0.100	1	SM 2540G Certifications: CTDOH	08/09/2016 14:52	08/09/2016 20:03	TJM

Chromium, Hexavalent

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: SB-5 (12'-13')

York Sample ID: 16H0404-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

16H0404

1678 & 1700 Park Avenue

Soil

August 8, 2016 2:30 pm

08/08/2016

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.386	0.551	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	08/15/2016 08:39	08/15/2016 14:04	LAB

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	12.6		mg/kg	0.250	0.500	1	Calculation Certifications:	08/15/2016 11:09	08/15/2016 14:34	AA

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.551	0.551	1	EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2016 08:13	08/15/2016 13:09	LAB

Sample Information

Client Sample ID: TW-1

York Sample ID: 16H0404-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

16H0404

1678 & 1700 Park Avenue

Water

August 8, 2016 4:10 pm

08/08/2016

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 15:14	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 15:14	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 15:14	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 15:14	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 15:14	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 15:14	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 15:14	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 15:14	SS



Sample Information

Client Sample ID: TW-1

York Sample ID: 16H0404-07

York Project (SDG) No.

16H0404

Client Project ID

1678 & 1700 Park Avenue

Matrix

Water

Collection Date/Time

August 8, 2016 4:10 pm

Date Received

08/08/2016

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 15:14	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 15:14	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 15:14	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 15:14	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 15:14	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 15:14	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 15:14	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 15:14	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 15:14	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 15:14	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 15:14	SS
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 15:14	SS
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 15:14	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 15:14	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 15:14	SS
67-64-1	Acetone	2.3		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 15:14	SS
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 15:14	SS
107-13-1	Acrylonitrile	ND		ug/L	0.20	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 15:14	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 15:14	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 15:14	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 15:14	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 15:14	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 15:14	SS
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 15:14	SS



Sample Information

Client Sample ID: TW-1

York Sample ID: 16H0404-07

York Project (SDG) No.
16H0404

Client Project ID
1678 & 1700 Park Avenue

Matrix
Water

Collection Date/Time
August 8, 2016 4:10 pm

Date Received
08/08/2016

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 15:14	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 15:14	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 15:14	SS
67-66-3	Chloroform	0.45	J	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 15:14	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 15:14	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 15:14	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 15:14	SS
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 15:14	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 15:14	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 15:14	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 15:14	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 15:14	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 15:14	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 15:14	SS
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 15:14	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 15:14	SS
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 15:14	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 15:14	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 15:14	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 15:14	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854	08/11/2016 08:00	08/11/2016 15:14	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: NELAC-NY10854	08/11/2016 08:00	08/11/2016 15:14	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 15:14	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 15:14	SS



Sample Information

Client Sample ID: TW-1

York Sample ID: 16H0404-07

York Project (SDG) No.

16H0404

Client Project ID

1678 & 1700 Park Avenue

Matrix

Water

Collection Date/Time

August 8, 2016 4:10 pm

Date Received

08/08/2016

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 15:14	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	2.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 15:14	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 15:14	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 15:14	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 15:14	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 15:14	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 15:14	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 15:14	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 15:14	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 15:14	SS
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NJDEP	08/11/2016 08:00	08/11/2016 15:14	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	97.9 %	69-130								
2037-26-5	Surrogate: Toluene-d8	98.2 %	81-117								
460-00-4	Surrogate: p-Bromofluorobenzene	99.1 %	79-122								

Semi-Volatiles, 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	08/11/2016 13:15	08/11/2016 23:42	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/11/2016 13:15	08/11/2016 23:42	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/11/2016 13:15	08/11/2016 23:42	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/11/2016 13:15	08/11/2016 23:42	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 13:15	08/11/2016 23:42	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 13:15	08/11/2016 23:42	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 13:15	08/11/2016 23:42	KH



Sample Information

Client Sample ID: TW-1

York Sample ID: 16H0404-07

York Project (SDG) No.
16H0404

Client Project ID
1678 & 1700 Park Avenue

Matrix
Water

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August 8, 2016 4:10 pm

Date Received
08/08/2016

Semi-Volatiles, 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
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 13:15	08/11/2016 23:42	KH
105-67-9	2,4-Dimethylphenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 13:15	08/11/2016 23:42	KH
51-28-5	2,4-Dinitrophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 13:15	08/11/2016 23:42	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 13:15	08/11/2016 23:42	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/11/2016 13:15	08/11/2016 23:42	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 13:15	08/11/2016 23:42	KH
91-58-7	2-Chloronaphthalene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 13:15	08/11/2016 23:42	KH
95-57-8	2-Chlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 13:15	08/11/2016 23:42	KH
91-57-6	2-Methylnaphthalene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 13:15	08/11/2016 23:42	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/11/2016 13:15	08/11/2016 23:42	KH
95-48-7	2-Methylphenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 13:15	08/11/2016 23:42	KH
88-74-4	2-Nitroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 13:15	08/11/2016 23:42	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/11/2016 13:15	08/11/2016 23:42	KH
88-75-5	2-Nitrophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 13:15	08/11/2016 23:42	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 13:15	08/11/2016 23:42	KH
91-94-1	3,3'-Dichlorobenzidine	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 13:15	08/11/2016 23:42	KH
99-09-2	3-Nitroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 13:15	08/11/2016 23:42	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 13:15	08/11/2016 23:42	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 13:15	08/11/2016 23:42	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 13:15	08/11/2016 23:42	KH
106-47-8	4-Chloroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 13:15	08/11/2016 23:42	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 13:15	08/11/2016 23:42	KH
100-01-6	4-Nitroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 13:15	08/11/2016 23:42	KH
100-02-7	4-Nitrophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 13:15	08/11/2016 23:42	KH



Sample Information

Client Sample ID: TW-1

York Sample ID: 16H0404-07

York Project (SDG) No.
16H0404

Client Project ID
1678 & 1700 Park Avenue

Matrix
Water

Collection Date/Time
August 8, 2016 4:10 pm

Date Received
08/08/2016

Semi-Volatiles, 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
83-32-9	Acenaphthene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 13:15	08/11/2016 16:26	SR
208-96-8	Acenaphthylene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 13:15	08/11/2016 16:26	SR
98-86-2	Acetophenone	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/11/2016 13:15	08/11/2016 23:42	KH
62-53-3	Aniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/11/2016 13:15	08/11/2016 23:42	KH
120-12-7	Anthracene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 13:15	08/11/2016 16:26	SR
1912-24-9	Atrazine	ND		ug/L	0.513	0.513	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/11/2016 13:15	08/11/2016 16:26	SR
100-52-7	Benzaldehyde	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/11/2016 13:15	08/11/2016 23:42	KH
92-87-5	Benzidine	ND		ug/L	10.3	20.5	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 13:15	08/11/2016 23:42	KH
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 13:15	08/11/2016 16:26	SR
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 13:15	08/11/2016 16:26	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 13:15	08/11/2016 16:26	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 13:15	08/11/2016 16:26	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 13:15	08/11/2016 16:26	SR
65-85-0	Benzoic acid	ND		ug/L	25.6	51.3	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/11/2016 13:15	08/11/2016 23:42	KH
100-51-6	Benzyl alcohol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/11/2016 13:15	08/11/2016 23:42	KH
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 13:15	08/11/2016 23:42	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 13:15	08/11/2016 23:42	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 13:15	08/11/2016 23:42	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 13:15	08/11/2016 23:42	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	0.513	0.513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 13:15	08/11/2016 16:26	SR
105-60-2	Caprolactam	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/11/2016 13:15	08/11/2016 23:42	KH
86-74-8	Carbazole	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 13:15	08/11/2016 23:42	KH
87-68-3	Hexachlorobutadiene	ND		ug/L	0.513	0.513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 13:15	08/11/2016 16:26	SR
218-01-9	Chrysene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 13:15	08/11/2016 16:26	SR



Sample Information

Client Sample ID: TW-1

York Sample ID: 16H0404-07

York Project (SDG) No.
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1678 & 1700 Park Avenue

Matrix
Water

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August 8, 2016 4:10 pm

Date Received
08/08/2016

Semi-Volatiles, 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
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications:	08/11/2016 13:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 16:26	SR
132-64-9	Dibenzofuran	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	08/11/2016 13:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 23:42	KH
84-66-2	Diethyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	08/11/2016 13:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 23:42	KH
131-11-3	Dimethyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	08/11/2016 13:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 23:42	KH
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	08/11/2016 13:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 23:42	KH
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	08/11/2016 13:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 23:42	KH
91-20-3	Naphthalene	0.0615		ug/L	0.0513	0.0513	1	EPA 8270D Certifications:	08/11/2016 13:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 16:26	SR
206-44-0	Fluoranthene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications:	08/11/2016 13:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 16:26	SR
86-73-7	Fluorene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications:	08/11/2016 13:15 NELAC-NY10854,NJDEP,PADEP	08/11/2016 16:26	SR
118-74-1	Hexachlorobenzene	ND		ug/L	0.0205	0.0205	1	EPA 8270D Certifications:	08/11/2016 13:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 16:26	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	08/11/2016 13:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 23:42	KH
67-72-1	Hexachloroethane	ND		ug/L	0.513	0.513	1	EPA 8270D Certifications:	08/11/2016 13:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 16:26	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications:	08/11/2016 13:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 16:26	SR
78-59-1	Isophorone	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	08/11/2016 13:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 23:42	KH
98-95-3	Nitrobenzene	ND		ug/L	0.256	0.256	1	EPA 8270D Certifications:	08/11/2016 13:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 16:26	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.513	0.513	1	EPA 8270D Certifications:	08/11/2016 13:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 16:26	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	08/11/2016 13:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 23:42	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	08/11/2016 13:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 23:42	KH
87-86-5	Pentachlorophenol	ND		ug/L	0.256	0.256	1	EPA 8270D Certifications:	08/11/2016 13:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 16:26	SR
85-01-8	Phenanthrene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications:	08/11/2016 13:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 16:26	SR
108-95-2	Phenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	08/11/2016 13:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 23:42	KH
129-00-0	Pyrene	0.0615		ug/L	0.0513	0.0513	1	EPA 8270D Certifications:	08/11/2016 13:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 16:26	SR
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: 2-Fluorophenol	25.5 %	12-64								
4165-62-2	Surrogate: Phenol-d5	18.8 %	10-82								



Sample Information

Client Sample ID: TW-1

York Sample ID: 16H0404-07

York Project (SDG) No.
16H0404

Client Project ID
1678 & 1700 Park Avenue

Matrix
Water

Collection Date/Time
August 8, 2016 4:10 pm

Date Received
08/08/2016

Semi-Volatiles, 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
4165-60-0	Surrogate: Nitrobenzene-d5	75.4 %			12-96						
321-60-8	Surrogate: 2-Fluorobiphenyl	72.8 %			16-84						
118-79-6	Surrogate: 2,4,6-Tribromophenol	84.9 %			15-104						
1718-51-0	Surrogate: Terphenyl-d14	60.9 %			15-106						

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	0.00504		ug/L	0.00432	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 15:27	08/12/2016 19:56	AMC
72-55-9	4,4'-DDE	0.00517		ug/L	0.00432	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 15:27	08/12/2016 19:56	AMC
50-29-3	4,4'-DDT	0.0345		ug/L	0.00432	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 15:27	08/12/2016 19:56	AMC
309-00-2	Aldrin	ND		ug/L	0.00432	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 15:27	08/12/2016 19:56	AMC
319-84-6	alpha-BHC	ND		ug/L	0.00432	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 15:27	08/12/2016 19:56	AMC
5103-71-9	alpha-Chlordane	ND		ug/L	0.00432	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 15:27	08/12/2016 19:56	AMC
319-85-7	beta-BHC	ND		ug/L	0.00432	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 15:27	08/12/2016 19:56	AMC
57-74-9	Chlordane, total	ND		ug/L	0.0432	0.0432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 15:27	08/12/2016 19:56	AMC
319-86-8	delta-BHC	ND		ug/L	0.00432	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 15:27	08/12/2016 19:56	AMC
60-57-1	Dieldrin	0.00633		ug/L	0.00216	0.00216	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 15:27	08/12/2016 19:56	AMC
959-98-8	Endosulfan I	ND		ug/L	0.00432	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 15:27	08/12/2016 19:56	AMC
33213-65-9	Endosulfan II	ND		ug/L	0.00432	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 15:27	08/12/2016 19:56	AMC
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00432	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 15:27	08/12/2016 19:56	AMC
72-20-8	Endrin	ND		ug/L	0.00432	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 15:27	08/12/2016 19:56	AMC
7421-93-4	Endrin aldehyde	ND		ug/L	0.0108	0.0108	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 15:27	08/12/2016 19:56	AMC
53494-70-5	Endrin ketone	ND		ug/L	0.0108	0.0108	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 15:27	08/12/2016 19:56	AMC
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00432	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 15:27	08/12/2016 19:56	AMC
5566-34-7	gamma-Chlordane	ND		ug/L	0.0108	0.0108	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 15:27	08/12/2016 19:56	AMC



Sample Information

Client Sample ID: TW-1

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1678 & 1700 Park Avenue

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August 8, 2016 4:10 pm

Date Received
08/08/2016

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
76-44-8	Heptachlor	ND		ug/L	0.00432	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 15:27	08/12/2016 19:56	AMC
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00432	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 15:27	08/12/2016 19:56	AMC
72-43-5	Methoxychlor	ND		ug/L	0.00432	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 15:27	08/12/2016 19:56	AMC
8001-35-2	Toxaphene	ND		ug/L	0.108	0.108	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 15:27	08/12/2016 19:56	AMC
Surrogate Recoveries		Result			Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	32.4 %			30-120						
2051-24-3	Surrogate: Decachlorobiphenyl	57.7 %			30-120						

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		ug/L	0.0526	0.0526	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/09/2016 05:47	08/10/2016 20:55	AMC
11104-28-2	Aroclor 1221	ND		ug/L	0.0526	0.0526	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/09/2016 05:47	08/10/2016 20:55	AMC
11141-16-5	Aroclor 1232	ND		ug/L	0.0526	0.0526	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/09/2016 05:47	08/10/2016 20:55	AMC
53469-21-9	Aroclor 1242	ND		ug/L	0.0526	0.0526	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/09/2016 05:47	08/10/2016 20:55	AMC
12672-29-6	Aroclor 1248	ND		ug/L	0.0526	0.0526	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/09/2016 05:47	08/10/2016 20:55	AMC
11097-69-1	Aroclor 1254	ND		ug/L	0.0526	0.0526	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/09/2016 05:47	08/10/2016 20:55	AMC
11096-82-5	Aroclor 1260	ND		ug/L	0.0526	0.0526	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/09/2016 05:47	08/10/2016 20:55	AMC
1336-36-3	* Total PCBs	ND		ug/L	0.0526	0.0526	1	EPA 8082A Certifications:	08/09/2016 05:47	08/10/2016 20:55	AMC
Surrogate Recoveries		Result			Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	29.5 %	GC-Sur		30-120						
2051-24-3	Surrogate: Decachlorobiphenyl	47.5 %	r		30-120						

Metals, Target Analyte, ICP

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	456		ug/L	55.6	55.6	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 12:13	08/10/2016 18:19	KV



Sample Information

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Matrix
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Metals, Target Analyte, ICP

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-39-3	Barium	169		ug/L	11.1	11.1	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 12:13	08/10/2016 18:19	KV
7440-70-2	Calcium	278000		ug/L	55.6	55.6	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 12:13	08/10/2016 18:19	KV
7440-47-3	Chromium	ND		ug/L	5.56	5.56	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 12:13	08/10/2016 18:19	KV
7440-50-8	Copper	13.3		ug/L	3.33	3.33	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 12:13	08/10/2016 18:19	KV
7439-89-6	Iron	1030		ug/L	22.2	22.2	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 12:13	08/10/2016 18:19	KV
7439-92-1	Lead	18.1		ug/L	3.33	3.33	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 12:13	08/10/2016 18:19	KV
7439-95-4	Magnesium	79200		ug/L	55.6	55.6	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 12:13	08/10/2016 18:19	KV
7439-96-5	Manganese	598		ug/L	5.56	5.56	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 12:13	08/10/2016 18:19	KV
7440-02-0	Nickel	8.17		ug/L	5.56	5.56	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 12:13	08/10/2016 18:19	KV
7440-09-7	Potassium	5650		ug/L	55.6	55.6	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 12:13	08/10/2016 18:19	KV
7782-49-2	Selenium	15.7		ug/L	11.1	11.1	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 12:13	08/10/2016 18:19	KV
7440-22-4	Silver	ND		ug/L	5.56	5.56	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 12:13	08/10/2016 18:19	KV
7440-23-5	Sodium	57500		ug/L	111	111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 12:13	08/10/2016 18:19	KV
7440-62-2	Vanadium	ND		ug/L	11.1	11.1	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 12:13	08/10/2016 18:19	KV
7440-66-6	Zinc	60.0		ug/L	11.1	11.1	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 12:13	08/10/2016 18:19	KV

Metals, Target Analyte, ICP Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	ND		ug/L	55.6	55.6	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:52	08/11/2016 15:25	KV
7440-39-3	Barium	ND		ug/L	11.1	11.1	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:52	08/11/2016 15:25	KV
7440-70-2	Calcium	16100		ug/L	55.6	55.6	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:52	08/11/2016 15:25	KV
7440-47-3	Chromium	ND		ug/L	5.56	5.56	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:52	08/11/2016 15:25	KV
7440-50-8	Copper	16.1		ug/L	3.33	3.33	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:52	08/11/2016 15:25	KV



Sample Information

Client Sample ID: TW-1

York Sample ID: 16H0404-07

York Project (SDG) No.
16H0404

Client Project ID
1678 & 1700 Park Avenue

Matrix
Water

Collection Date/Time
August 8, 2016 4:10 pm

Date Received
08/08/2016

Metals, Target Analyte, ICP Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	79.5		ug/L	22.2	22.2	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:52	08/11/2016 15:25	KV
7439-92-1	Lead	ND		ug/L	3.33	3.33	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:52	08/11/2016 15:25	KV
7439-95-4	Magnesium	61500		ug/L	55.6	55.6	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:52	08/11/2016 15:25	KV
7439-96-5	Manganese	ND		ug/L	5.56	5.56	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:52	08/11/2016 15:25	KV
7440-02-0	Nickel	ND		ug/L	5.56	5.56	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:52	08/11/2016 15:25	KV
7440-09-7	Potassium	4770		ug/L	55.6	55.6	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:52	08/11/2016 15:25	KV
7782-49-2	Selenium	ND		ug/L	11.1	11.1	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:52	08/11/2016 15:25	KV
7440-22-4	Silver	ND		ug/L	5.56	5.56	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:52	08/11/2016 15:25	KV
7440-23-5	Sodium	310000		ug/L	111	111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:52	08/11/2016 15:25	KV
7440-62-2	Vanadium	ND		ug/L	11.1	11.1	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:52	08/11/2016 15:25	KV
7440-66-6	Zinc	16.3		ug/L	11.1	11.1	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:52	08/11/2016 15:25	KV

Metals, Target Analyte, ICPMS

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-36-0	Antimony	ND		ug/L	2.22	2.22	2	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 10:10	08/14/2016 02:57	ALD
7440-38-2	Arsenic	ND		ug/L	2.22	2.22	2	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 10:10	08/14/2016 02:57	ALD
7440-41-7	Beryllium	ND		ug/L	0.667	0.667	2	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 10:10	08/14/2016 02:57	ALD
7440-43-9	Cadmium	ND		ug/L	1.11	1.11	2	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 10:10	08/14/2016 02:57	ALD
7439-98-7	Molybdenum	3.31		ug/L	2.22	2.22	2	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 10:10	08/14/2016 02:57	ALD
7440-28-0	Thallium	ND		ug/L	2.22	2.22	2	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 10:10	08/14/2016 02:57	ALD

Metals, Target Analyte, ICPMS Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-36-0	Antimony	ND		ug/L	2.22	2.22	2	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 10:12	08/14/2016 01:56	ALD



Sample Information

Client Sample ID: TW-1

York Sample ID: 16H0404-07

York Project (SDG) No.
16H0404

Client Project ID
1678 & 1700 Park Avenue

Matrix
Water

Collection Date/Time
August 8, 2016 4:10 pm

Date Received
08/08/2016

Metals, Target Analyte, ICPMS Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	ND		ug/L	2.22	2.22	2	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 10:12	08/14/2016 01:56	ALD
7440-41-7	Beryllium	ND		ug/L	0.222	0.222	2	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 10:12	08/14/2016 01:56	ALD
7440-43-9	Cadmium	ND		ug/L	1.11	1.11	2	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 10:12	08/14/2016 01:56	ALD
7439-98-7	Molybdenum	2.58		ug/L	2.22	2.22	2	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 10:12	08/14/2016 01:56	ALD
7440-28-0	Thallium	ND		ug/L	2.22	2.22	2	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 10:12	08/14/2016 01:56	ALD

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 water

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.00020	0.00020	1	EPA 7473 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 06:28	08/15/2016 13:42	ALD

Mercury by 7473, Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 water

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		ug/L	0.20	0.20	1	EPA 7473 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 06:28	08/15/2016 13:42	ALD

Sample Information

Client Sample ID: Trip Blank

York Sample ID: 16H0404-08

York Project (SDG) No.
16H0404

Client Project ID
1678 & 1700 Park Avenue

Matrix
Water

Collection Date/Time
August 8, 2016 3:00 pm

Date Received
08/08/2016

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 15:41	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 15:41	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 15:41	SS



Sample Information

Client Sample ID: Trip Blank

York Sample ID: 16H0404-08

York Project (SDG) No.

16H0404

Client Project ID

1678 & 1700 Park Avenue

Matrix

Water

Collection Date/Time

August 8, 2016 3:00 pm

Date Received

08/08/2016

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 15:41	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 15:41	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 15:41	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 15:41	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 15:41	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 15:41	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 15:41	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 15:41	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 15:41	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 15:41	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 15:41	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 15:41	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 15:41	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 15:41	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 15:41	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 15:41	SS
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 15:41	SS
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 15:41	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 15:41	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 15:41	SS
67-64-1	Acetone	1.2	J	ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 15:41	SS
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 15:41	SS
107-13-1	Acrylonitrile	ND		ug/L	0.20	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 15:41	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 15:41	SS



Sample Information

Client Sample ID: Trip Blank

York Sample ID: 16H0404-08

York Project (SDG) No.
16H0404

Client Project ID
1678 & 1700 Park Avenue

Matrix
Water

Collection Date/Time
August 8, 2016 3:00 pm

Date Received
08/08/2016

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 15:41	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 15:41	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 15:41	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 15:41	SS
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 15:41	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 15:41	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 15:41	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 15:41	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 15:41	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 15:41	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 15:41	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 15:41	SS
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 15:41	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 15:41	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 15:41	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 15:41	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 15:41	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 15:41	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 15:41	SS
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 15:41	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 15:41	SS
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 15:41	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 15:41	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 15:41	SS



Sample Information

Client Sample ID: Trip Blank

York Sample ID: 16H0404-08

York Project (SDG) No.

16H0404

Client Project ID

1678 & 1700 Park Avenue

Matrix

Water

Collection Date/Time

August 8, 2016 3:00 pm

Date Received

08/08/2016

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 15:41	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854	08/11/2016 08:00	08/11/2016 15:41	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: NELAC-NY10854	08/11/2016 08:00	08/11/2016 15:41	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 15:41	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 15:41	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 15:41	SS
75-65-0	tert-Butyl alcohol (TBA)	0.80	J	ug/L	0.50	2.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 15:41	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 15:41	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 15:41	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 15:41	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 15:41	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 15:41	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 15:41	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 15:41	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 08:00	08/11/2016 15:41	SS
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NJDEP	08/11/2016 08:00	08/11/2016 15:41	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	99.5 %	69-130
2037-26-5	Surrogate: Toluene-d8	99.0 %	81-117
460-00-4	Surrogate: p-Bromofluorobenzene	98.5 %	79-122



Analytical Batch Summary

Batch ID: BH60523 **Preparation Method:** EPA SW846-3510C Low Level **Prepared By:** TFG

YORK Sample ID	Client Sample ID	Preparation Date
16H0404-07	TW-1	08/09/16
BH60523-BLK2	Blank	08/09/16
BH60523-BS2	LCS	08/09/16
BH60523-BSD2	LCS Dup	08/09/16

Batch ID: BH60555 **Preparation Method:** EPA 3550C **Prepared By:** TB

YORK Sample ID	Client Sample ID	Preparation Date
16H0404-01	SB-1 (1'-2')	08/09/16
16H0404-01	SB-1 (1'-2')	08/09/16
16H0404-02	SB-1 (8'-9')	08/09/16
16H0404-02	SB-1 (8'-9')	08/09/16
16H0404-03	SB-2 (1'-2')	08/09/16
16H0404-03	SB-2 (1'-2')	08/09/16
16H0404-04	SB-2 (8'-9')	08/09/16
16H0404-04	SB-2 (8'-9')	08/09/16
16H0404-05	SB-5 (1'-2')	08/09/16
16H0404-05	SB-5 (1'-2')	08/09/16
16H0404-06	SB-5 (12'-13')	08/09/16
16H0404-06	SB-5 (12'-13')	08/09/16
BH60555-BLK1	Blank	08/09/16
BH60555-BLK2	Blank	08/09/16
BH60555-BS1	LCS	08/09/16
BH60555-BS2	LCS	08/09/16
BH60555-BSD1	LCS Dup	08/09/16
BH60555-BSD2	LCS Dup	08/09/16

Batch ID: BH60570 **Preparation Method:** EPA 3050B **Prepared By:** ALD

YORK Sample ID	Client Sample ID	Preparation Date
16H0404-01	SB-1 (1'-2')	08/09/16
16H0404-02	SB-1 (8'-9')	08/09/16
16H0404-03	SB-2 (1'-2')	08/09/16
16H0404-04	SB-2 (8'-9')	08/09/16
16H0404-05	SB-5 (1'-2')	08/09/16
16H0404-06	SB-5 (12'-13')	08/09/16
BH60570-BLK1	Blank	08/09/16
BH60570-SRM1	Reference	08/09/16

Batch ID: BH60586 **Preparation Method:** % Solids Prep **Prepared By:** TJM

YORK Sample ID	Client Sample ID	Preparation Date
16H0404-01	SB-1 (1'-2')	08/09/16
16H0404-02	SB-1 (8'-9')	08/09/16



16H0404-03	SB-2 (1'-2')	08/09/16
16H0404-04	SB-2 (8'-9')	08/09/16
16H0404-05	SB-5 (1'-2')	08/09/16
16H0404-06	SB-5 (12'-13')	08/09/16

Batch ID: BH60606 **Preparation Method:** EPA 7473 soil **Prepared By:** ALD

YORK Sample ID	Client Sample ID	Preparation Date
16H0404-01	SB-1 (1'-2')	08/10/16
16H0404-02	SB-1 (8'-9')	08/10/16
16H0404-03	SB-2 (1'-2')	08/10/16
16H0404-04	SB-2 (8'-9')	08/10/16
16H0404-05	SB-5 (1'-2')	08/10/16
16H0404-06	SB-5 (12'-13')	08/10/16
BH60606-BLK1	Blank	08/10/16
BH60606-SRM1	Reference	08/10/16

Batch ID: BH60650 **Preparation Method:** EPA 3015A **Prepared By:** ALD

YORK Sample ID	Client Sample ID	Preparation Date
16H0404-07	TW-1	08/10/16
BH60650-BLK1	Blank	08/10/16
BH60650-SRM1	Reference	08/10/16

Batch ID: BH60656 **Preparation Method:** EPA SW846-3510C Low Level **Prepared By:** RDS

YORK Sample ID	Client Sample ID	Preparation Date
16H0404-07	TW-1	08/10/16
BH60656-BLK1	Blank	08/10/16
BH60656-BS1	LCS	08/10/16
BH60656-BSD1	LCS Dup	08/10/16

Batch ID: BH60664 **Preparation Method:** EPA 3510C **Prepared By:** RDS

YORK Sample ID	Client Sample ID	Preparation Date
16H0404-07	TW-1	08/11/16
BH60664-BLK1	Blank	08/10/16
BH60664-BLK2	Blank	08/10/16
BH60664-BS1	LCS	08/10/16
BH60664-BS2	LCS	08/10/16
BH60664-BSD1	LCS Dup	08/10/16

Batch ID: BH60693 **Preparation Method:** EPA 5035A **Prepared By:** BGS

YORK Sample ID	Client Sample ID	Preparation Date
16H0404-01	SB-1 (1'-2')	08/11/16
16H0404-02	SB-1 (8'-9')	08/11/16
16H0404-03	SB-2 (1'-2')	08/11/16



16H0404-04	SB-2 (8'-9')	08/11/16
16H0404-05	SB-5 (1'-2')	08/11/16
BH60693-BLK1	Blank	08/11/16
BH60693-BS1	LCS	08/11/16
BH60693-BSD1	LCS Dup	08/11/16

Batch ID: BH60697 **Preparation Method:** EPA 5030B **Prepared By:** BGS

YORK Sample ID	Client Sample ID	Preparation Date
16H0404-07	TW-1	08/11/16
16H0404-08	Trip Blank	08/11/16
BH60697-BLK1	Blank	08/11/16
BH60697-BS1	LCS	08/11/16
BH60697-BSD1	LCS Dup	08/11/16

Batch ID: BH60729 **Preparation Method:** EPA 3015A **Prepared By:** ALD

YORK Sample ID	Client Sample ID	Preparation Date
16H0404-07	TW-1	08/11/16
BH60729-BLK1	Blank	08/11/16
BH60729-SRM1	Reference	08/11/16

Batch ID: BH60738 **Preparation Method:** EPA 5035A **Prepared By:** BGS

YORK Sample ID	Client Sample ID	Preparation Date
16H0404-06	SB-5 (12'-13')	08/11/16
BH60738-BLK1	Blank	08/11/16
BH60738-BS1	LCS	08/11/16
BH60738-BSD1	LCS Dup	08/11/16

Batch ID: BH60767 **Preparation Method:** EPA 3550C **Prepared By:** KNN

YORK Sample ID	Client Sample ID	Preparation Date
16H0404-01	SB-1 (1'-2')	08/12/16
16H0404-02	SB-1 (8'-9')	08/12/16
16H0404-03	SB-2 (1'-2')	08/12/16
16H0404-04	SB-2 (8'-9')	08/12/16
16H0404-05	SB-5 (1'-2')	08/12/16
16H0404-06	SB-5 (12'-13')	08/12/16
BH60767-BLK1	Blank	08/12/16
BH60767-BS1	LCS	08/12/16
BH60767-BSD1	LCS Dup	08/12/16

Batch ID: BH60803 **Preparation Method:** EPA 3015A **Prepared By:** ALD

YORK Sample ID	Client Sample ID	Preparation Date
16H0404-07	TW-1	08/12/16
BH60803-BLK1	Blank	08/12/16



BH60803-DUP1	Duplicate	08/12/16
BH60803-MS1	Matrix Spike	08/12/16
BH60803-SRM1	Reference	08/12/16

Batch ID: BH60804 **Preparation Method:** EPA 3015A **Prepared By:** ALD

YORK Sample ID	Client Sample ID	Preparation Date
16H0404-07	TW-1	08/12/16
BH60804-BLK1	Blank	08/12/16
BH60804-DUP1	Duplicate	08/12/16
BH60804-MS1	Matrix Spike	08/12/16
BH60804-SRM1	Reference	08/12/16

Batch ID: BH60859 **Preparation Method:** EPA 7473 water **Prepared By:** ALD

YORK Sample ID	Client Sample ID	Preparation Date
16H0404-07	TW-1	08/15/16
BH60859-BLK1	Blank	08/15/16
BH60859-SRM1	Reference	08/15/16

Batch ID: BH60872 **Preparation Method:** Analysis Preparation Soil **Prepared By:** AD

YORK Sample ID	Client Sample ID	Preparation Date
16H0404-01	SB-1 (1'-2')	08/15/16
16H0404-02	SB-1 (8'-9')	08/15/16
16H0404-03	SB-2 (1'-2')	08/15/16
16H0404-04	SB-2 (8'-9')	08/15/16
16H0404-05	SB-5 (1'-2')	08/15/16
16H0404-06	SB-5 (12'-13')	08/15/16
BH60872-BLK1	Blank	08/15/16
BH60872-SRM1	Reference	08/15/16

Batch ID: BH60874 **Preparation Method:** EPA SW846-3060 **Prepared By:** LAB

YORK Sample ID	Client Sample ID	Preparation Date
16H0404-01	SB-1 (1'-2')	08/15/16
16H0404-02	SB-1 (8'-9')	08/15/16
16H0404-03	SB-2 (1'-2')	08/15/16
16H0404-04	SB-2 (8'-9')	08/15/16
16H0404-05	SB-5 (1'-2')	08/15/16
16H0404-06	SB-5 (12'-13')	08/15/16
BH60874-BLK1	Blank	08/15/16
BH60874-SRM1	Reference	08/15/16

Batch ID: BH60892 **Preparation Method:** Analysis Preparation **Prepared By:** AD

YORK Sample ID	Client Sample ID	Preparation Date
16H0404-01	SB-1 (1'-2')	08/15/16



16H0404-02	SB-1 (8'-9')	08/15/16
16H0404-03	SB-2 (1'-2')	08/15/16
16H0404-04	SB-2 (8'-9')	08/15/16
16H0404-05	SB-5 (1'-2')	08/15/16
16H0404-06	SB-5 (12'-13')	08/15/16



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 BH60693 - EPA 5035A

Blank (BH60693-BLK1)

Prepared & Analyzed: 08/11/2016

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



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BH60693 - EPA 5035A

Blank (BH60693-BLK1)

Prepared & Analyzed: 08/11/2016

n-Propylbenzene	ND	0.0050	mg/kg wet
o-Xylene	ND	0.0050	"
p- & m- Xylenes	ND	0.010	"
p-Isopropyltoluene	ND	0.0050	"
sec-Butylbenzene	ND	0.0050	"
Styrene	ND	0.0050	"
tert-Butyl alcohol (TBA)	ND	0.0050	"
tert-Butylbenzene	ND	0.0050	"
Tetrachloroethylene	ND	0.0050	"
Toluene	ND	0.0050	"
trans-1,2-Dichloroethylene	ND	0.0050	"
trans-1,3-Dichloropropylene	ND	0.0050	"
Trichloroethylene	ND	0.0050	"
Trichlorofluoromethane	ND	0.0050	"
Vinyl Chloride	ND	0.0050	"
Xylenes, Total	ND	0.015	"

Surrogate: 1,2-Dichloroethane-d4	48.7		ug/L	50.0	97.5	77-125
Surrogate: Toluene-d8	48.7		"	50.0	97.3	85-120
Surrogate: p-Bromofluorobenzene	46.8		"	50.0	93.6	76-130

LCS (BH60693-BS1)

Prepared & Analyzed: 08/11/2016

1,1,1,2-Tetrachloroethane	55		ug/L	50.0	110	75-129
1,1,1-Trichloroethane	60		"	50.0	120	71-137
1,1,2,2-Tetrachloroethane	51		"	50.0	102	79-129
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	56		"	50.0	112	58-146
1,1,2-Trichloroethane	54		"	50.0	109	83-123
1,1-Dichloroethane	58		"	50.0	116	75-130
1,1-Dichloroethylene	55		"	50.0	111	64-137
1,2,3-Trichlorobenzene	49		"	50.0	98.6	81-140
1,2,3-Trichloropropane	54		"	50.0	108	81-126
1,2,4-Trichlorobenzene	50		"	50.0	100	80-141
1,2,4-Trimethylbenzene	54		"	50.0	109	84-125
1,2-Dibromo-3-chloropropane	47		"	50.0	94.4	74-142
1,2-Dibromoethane	57		"	50.0	113	86-123
1,2-Dichlorobenzene	52		"	50.0	104	85-122
1,2-Dichloroethane	54		"	50.0	107	71-133
1,2-Dichloropropane	53		"	50.0	107	81-122
1,3,5-Trimethylbenzene	53		"	50.0	106	82-126
1,3-Dichlorobenzene	52		"	50.0	103	84-124
1,4-Dichlorobenzene	50		"	50.0	101	84-124
1,4-Dioxane	830		"	1000	82.9	10-228
2-Butanone	46		"	50.0	92.9	58-147
2-Hexanone	50		"	50.0	101	70-139
4-Methyl-2-pentanone	46		"	50.0	92.9	72-132
Acetone	43		"	50.0	86.6	36-155
Acrolein	46		"	50.0	92.0	10-238
Acrylonitrile	56		"	50.0	112	66-141
Benzene	57		"	50.0	115	77-127
Bromochloromethane	53		"	50.0	105	74-129
Bromodichloromethane	59		"	50.0	118	81-124
Bromoform	54		"	50.0	109	80-136
Bromomethane	48		"	50.0	95.0	32-177



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 BH60693 - EPA 5035A

LCS (BH60693-BS1)

Prepared & Analyzed: 08/11/2016

Carbon disulfide	58		ug/L	50.0		116	10-136				
Carbon tetrachloride	60		"	50.0		120	66-143				
Chlorobenzene	53		"	50.0		105	86-120				
Chloroethane	53		"	50.0		105	51-142				
Chloroform	58		"	50.0		116	76-131				
Chloromethane	47		"	50.0		94.9	49-132				
cis-1,2-Dichloroethylene	59		"	50.0		118	74-132				
cis-1,3-Dichloropropylene	54		"	50.0		109	81-129				
Cyclohexane	50		"	50.0		99.2	70-130				
Dibromochloromethane	53		"	50.0		107	10-200				
Dibromomethane	57		"	50.0		113	83-124				
Dichlorodifluoromethane	51		"	50.0		101	28-158				
Ethyl Benzene	53		"	50.0		107	84-125				
Hexachlorobutadiene	46		"	50.0		92.1	83-133				
Isopropylbenzene	52		"	50.0		104	81-127				
Methyl acetate	53		"	50.0		106	41-143				
Methyl tert-butyl ether (MTBE)	57		"	50.0		114	74-131				
Methylcyclohexane	53		"	50.0		106	70-130				
Methylene chloride	53		"	50.0		106	57-141				
n-Butylbenzene	53		"	50.0		105	80-130				
n-Propylbenzene	50		"	50.0		99.4	74-136				
o-Xylene	53		"	50.0		105	83-123				
p- & m- Xylenes	100		"	100		104	82-128				
p-Isopropyltoluene	53		"	50.0		106	85-125				
sec-Butylbenzene	50		"	50.0		99.8	83-125				
Styrene	59		"	50.0		119	86-126				
tert-Butyl alcohol (TBA)	62		"	50.0		124	70-130				
tert-Butylbenzene	53		"	50.0		107	80-127				
Tetrachloroethylene	56		"	50.0		111	80-129				
Toluene	54		"	50.0		107	85-121				
trans-1,2-Dichloroethylene	54		"	50.0		108	72-132				
trans-1,3-Dichloropropylene	55		"	50.0		111	78-132				
Trichloroethylene	55		"	50.0		111	84-123				
Trichlorofluoromethane	58		"	50.0		117	62-140				
Vinyl Chloride	48		"	50.0		96.7	52-130				
Surrogate: 1,2-Dichloroethane-d4	46.5		"	50.0		92.9	77-125				
Surrogate: Toluene-d8	48.9		"	50.0		97.8	85-120				
Surrogate: p-Bromofluorobenzene	49.3		"	50.0		98.6	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 BH60693 - EPA 5035A											
LCS Dup (BH60693-BSD1)						Prepared & Analyzed: 08/11/2016					
1,1,1,2-Tetrachloroethane	56		ug/L	50.0		113	75-129		2.24	30	
1,1,1-Trichloroethane	63		"	50.0		126	71-137		4.59	30	
1,1,2,2-Tetrachloroethane	56		"	50.0		112	79-129		9.81	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	57		"	50.0		115	58-146		2.29	30	
1,1,2-Trichloroethane	53		"	50.0		107	83-123		1.50	30	
1,1-Dichloroethane	60		"	50.0		119	75-130		2.57	30	
1,1-Dichloroethylene	58		"	50.0		116	64-137		4.62	30	
1,2,3-Trichlorobenzene	55		"	50.0		111	81-140		11.6	30	
1,2,3-Trichloropropane	60		"	50.0		120	81-126		10.6	30	
1,2,4-Trichlorobenzene	53		"	50.0		106	80-141		6.22	30	
1,2,4-Trimethylbenzene	57		"	50.0		113	84-125		3.78	30	
1,2-Dibromo-3-chloropropane	48		"	50.0		97.0	74-142		2.74	30	
1,2-Dibromoethane	56		"	50.0		111	86-123		1.59	30	
1,2-Dichlorobenzene	55		"	50.0		110	85-122		5.91	30	
1,2-Dichloroethane	57		"	50.0		113	71-133		5.06	30	
1,2-Dichloropropane	52		"	50.0		105	81-122		2.00	30	
1,3,5-Trimethylbenzene	58		"	50.0		116	82-126		9.22	30	
1,3-Dichlorobenzene	54		"	50.0		108	84-124		4.40	30	
1,4-Dichlorobenzene	55		"	50.0		110	84-124		9.44	30	
1,4-Dioxane	780		"	1000		78.4	10-228		5.58	30	
2-Butanone	47		"	50.0		94.6	58-147		1.81	30	
2-Hexanone	49		"	50.0		98.5	70-139		2.37	30	
4-Methyl-2-pentanone	47		"	50.0		94.2	72-132		1.37	30	
Acetone	44		"	50.0		88.6	36-155		2.31	30	
Acrolein	50		"	50.0		99.0	10-238		7.33	30	
Acrylonitrile	60		"	50.0		120	66-141		6.75	30	
Benzene	60		"	50.0		120	77-127		4.15	30	
Bromochloromethane	53		"	50.0		106	74-129		0.417	30	
Bromodichloromethane	59		"	50.0		117	81-124		0.255	30	
Bromoform	58		"	50.0		116	80-136		6.27	30	
Bromomethane	47		"	50.0		94.8	32-177		0.190	30	
Carbon disulfide	61		"	50.0		121	10-136		4.31	30	
Carbon tetrachloride	63		"	50.0		126	66-143		4.67	30	
Chlorobenzene	54		"	50.0		108	86-120		2.59	30	
Chloroethane	55		"	50.0		110	51-142		4.53	30	
Chloroform	62		"	50.0		124	76-131		6.71	30	
Chloromethane	48		"	50.0		96.5	49-132		1.63	30	
cis-1,2-Dichloroethylene	61		"	50.0		121	74-132		2.87	30	
cis-1,3-Dichloropropylene	56		"	50.0		112	81-129		3.11	30	
Cyclohexane	55		"	50.0		110	70-130		10.5	30	
Dibromochloromethane	57		"	50.0		113	10-200		5.65	30	
Dibromomethane	55		"	50.0		111	83-124		2.27	30	
Dichlorodifluoromethane	50		"	50.0		100	28-158		0.852	30	
Ethyl Benzene	53		"	50.0		107	84-125		0.0375	30	
Hexachlorobutadiene	49		"	50.0		97.7	83-133		5.92	30	
Isopropylbenzene	57		"	50.0		113	81-127		8.03	30	
Methyl acetate	55		"	50.0		110	41-143		3.41	30	
Methyl tert-butyl ether (MTBE)	59		"	50.0		119	74-131		4.54	30	
Methylcyclohexane	53		"	50.0		106	70-130		0.0378	30	
Methylene chloride	54		"	50.0		107	57-141		1.67	30	
n-Butylbenzene	55		"	50.0		109	80-130		3.84	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 BH60693 - EPA 5035A

LCS Dup (BH60693-BSD1)

Prepared & Analyzed: 08/11/2016

n-Propylbenzene	55		ug/L	50.0		109	74-136		9.49	30	
o-Xylene	52		"	50.0		105	83-123		0.172	30	
p- & m- Xylenes	110		"	100		109	82-128		4.71	30	
p-Isopropyltoluene	57		"	50.0		115	85-125		8.06	30	
sec-Butylbenzene	55		"	50.0		109	83-125		9.13	30	
Styrene	61		"	50.0		122	86-126		2.79	30	
tert-Butyl alcohol (TBA)	58		"	50.0		115	70-130		7.30	30	
tert-Butylbenzene	51		"	50.0		102	80-127		4.43	30	
Tetrachloroethylene	57		"	50.0		113	80-129		2.01	30	
Toluene	56		"	50.0		111	85-121		3.81	30	
trans-1,2-Dichloroethylene	55		"	50.0		110	72-132		1.73	30	
trans-1,3-Dichloropropylene	57		"	50.0		113	78-132		2.05	30	
Trichloroethylene	57		"	50.0		114	84-123		2.90	30	
Trichlorofluoromethane	60		"	50.0		120	62-140		2.47	30	
Vinyl Chloride	51		"	50.0		102	52-130		5.00	30	
Surrogate: 1,2-Dichloroethane-d4	47.3		"	50.0		94.7	77-125				
Surrogate: Toluene-d8	47.8		"	50.0		95.5	85-120				
Surrogate: p-Bromofluorobenzene	51.0		"	50.0		102	76-130				

Batch BH60697 - EPA 5030B

Blank (BH60697-BLK1)

Prepared & Analyzed: 08/11/2016

1,1,1,2-Tetrachloroethane	ND	0.50	ug/L
1,1,1-Trichloroethane	ND	0.50	"
1,1,2,2-Tetrachloroethane	ND	0.50	"
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"
1,1,2-Trichloroethane	ND	0.50	"
1,1-Dichloroethane	ND	0.50	"
1,1-Dichloroethylene	ND	0.50	"
1,2,3-Trichlorobenzene	ND	0.50	"
1,2,3-Trichloropropane	ND	0.50	"
1,2,4-Trichlorobenzene	ND	0.50	"
1,2,4-Trimethylbenzene	ND	0.50	"
1,2-Dibromo-3-chloropropane	ND	0.50	"
1,2-Dibromoethane	ND	0.50	"
1,2-Dichlorobenzene	ND	0.50	"
1,2-Dichloroethane	ND	0.50	"
1,2-Dichloropropane	ND	0.50	"
1,3,5-Trimethylbenzene	ND	0.50	"
1,3-Dichlorobenzene	ND	0.50	"
1,4-Dichlorobenzene	ND	0.50	"
1,4-Dioxane	ND	40	"
2-Butanone	0.38	0.50	"
2-Hexanone	ND	0.50	"
4-Methyl-2-pentanone	ND	0.50	"
Acetone	ND	2.0	"
Acrolein	ND	0.50	"
Acrylonitrile	ND	0.50	"
Benzene	ND	0.50	"
Bromochloromethane	ND	0.50	"
Bromodichloromethane	ND	0.50	"
Bromoform	ND	0.50	"



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 BH60697 - EPA 5030B

Blank (BH60697-BLK1)

Prepared & Analyzed: 08/11/2016

Bromomethane	ND	0.50	ug/L								
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	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl acetate	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylcyclohexane	ND	0.50	"								
Methylene chloride	ND	2.0	"								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butyl alcohol (TBA)	ND	1.0	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Surrogate: 1,2-Dichloroethane-d4	9.86		"	10.0		98.6	69-130				
Surrogate: Toluene-d8	9.95		"	10.0		99.5	81-117				
Surrogate: p-Bromofluorobenzene	10.1		"	10.0		101	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 BH60697 - EPA 5030B											
LCS (BH60697-BS1)						Prepared & Analyzed: 08/11/2016					
1,1,1,2-Tetrachloroethane	10		ug/L	10.0		104	82-126				
1,1,1-Trichloroethane	10		"	10.0		102	78-136				
1,1,2,2-Tetrachloroethane	10		"	10.0		103	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10		"	10.0		102	54-165				
1,1,2-Trichloroethane	10		"	10.0		101	82-123				
1,1-Dichloroethane	11		"	10.0		107	82-129				
1,1-Dichloroethylene	10		"	10.0		101	68-138				
1,2,3-Trichlorobenzene	10		"	10.0		100	76-136				
1,2,3-Trichloropropane	10		"	10.0		103	77-128				
1,2,4-Trichlorobenzene	10		"	10.0		102	76-137				
1,2,4-Trimethylbenzene	11		"	10.0		106	82-132				
1,2-Dibromo-3-chloropropane	10		"	10.0		99.5	45-147				
1,2-Dibromoethane	10		"	10.0		102	83-124				
1,2-Dichlorobenzene	9.9		"	10.0		99.0	79-123				
1,2-Dichloroethane	10		"	10.0		103	73-132				
1,2-Dichloropropane	10		"	10.0		101	78-126				
1,3,5-Trimethylbenzene	11		"	10.0		106	80-131				
1,3-Dichlorobenzene	9.9		"	10.0		98.7	86-122				
1,4-Dichlorobenzene	9.9		"	10.0		99.3	85-124				
1,4-Dioxane	270		"	200		134	10-349				
2-Butanone	9.9		"	10.0		99.0	49-152				
2-Hexanone	11		"	10.0		106	51-146				
4-Methyl-2-pentanone	9.7		"	10.0		97.3	57-145				
Acetone	11		"	10.0		113	14-150				
Acrolein	11		"	10.0		113	10-153				
Acrylonitrile	11		"	10.0		110	51-150				
Benzene	10		"	10.0		105	85-126				
Bromochloromethane	11		"	10.0		108	77-128				
Bromodichloromethane	10		"	10.0		104	79-128				
Bromoform	10		"	10.0		101	78-133				
Bromomethane	4.4		"	10.0		43.8	43-168				
Carbon disulfide	10		"	10.0		103	68-146				
Carbon tetrachloride	11		"	10.0		109	77-141				
Chlorobenzene	9.8		"	10.0		98.4	88-120				
Chloroethane	10		"	10.0		99.5	65-136				
Chloroform	11		"	10.0		106	82-128				
Chloromethane	7.7		"	10.0		77.0	43-155				
cis-1,2-Dichloroethylene	10		"	10.0		105	83-129				
cis-1,3-Dichloropropylene	10		"	10.0		104	80-131				
Cyclohexane	11		"	10.0		108	63-149				
Dibromochloromethane	10		"	10.0		100	80-130				
Dibromomethane	10		"	10.0		104	72-134				
Dichlorodifluoromethane	8.4		"	10.0		83.6	44-144				
Ethyl Benzene	10		"	10.0		104	80-131				
Hexachlorobutadiene	10		"	10.0		104	67-146				
Isopropylbenzene	9.9		"	10.0		98.9	76-140				
Methyl acetate	11		"	10.0		107	51-139				
Methyl tert-butyl ether (MTBE)	10		"	10.0		102	76-135				
Methylcyclohexane	10		"	10.0		105	72-143				
Methylene chloride	9.1		"	10.0		91.2	55-137				
n-Butylbenzene	11		"	10.0		107	79-132				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH60697 - EPA 5030B											
LCS (BH60697-BS1)						Prepared & Analyzed: 08/11/2016					
n-Propylbenzene	10		ug/L	10.0		99.9	78-133				
o-Xylene	9.9		"	10.0		98.9	78-130				
p- & m- Xylenes	21		"	20.0		103	77-133				
p-Isopropyltoluene	11		"	10.0		106	81-136				
sec-Butylbenzene	9.9		"	10.0		99.0	79-137				
Styrene	11		"	10.0		110	67-132				
tert-Butyl alcohol (TBA)	12		"	10.0		121	25-162				
tert-Butylbenzene	9.9		"	10.0		99.3	77-138				
Tetrachloroethylene	10		"	10.0		101	82-131				
Toluene	10		"	10.0		102	80-127				
trans-1,2-Dichloroethylene	10		"	10.0		103	80-132				
trans-1,3-Dichloropropylene	10		"	10.0		102	78-131				
Trichloroethylene	9.9		"	10.0		98.7	82-128				
Trichlorofluoromethane	10		"	10.0		104	67-139				
Vinyl Chloride	9.2		"	10.0		91.9	58-145				
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>9.67</i>		<i>"</i>	<i>10.0</i>		<i>96.7</i>	<i>69-130</i>				
<i>Surrogate: Toluene-d8</i>	<i>9.93</i>		<i>"</i>	<i>10.0</i>		<i>99.3</i>	<i>81-117</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>9.95</i>		<i>"</i>	<i>10.0</i>		<i>99.5</i>	<i>79-122</i>				
LCS Dup (BH60697-BSD1)						Prepared & Analyzed: 08/11/2016					
1,1,1,2-Tetrachloroethane	10		ug/L	10.0		103	82-126		1.06	30	
1,1,1-Trichloroethane	9.8		"	10.0		98.4	78-136		3.59	30	
1,1,2,2-Tetrachloroethane	10		"	10.0		101	76-129		1.57	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.7		"	10.0		97.4	54-165		4.91	30	
1,1,2-Trichloroethane	10		"	10.0		103	82-123		2.07	30	
1,1-Dichloroethane	11		"	10.0		106	82-129		0.942	30	
1,1-Dichloroethylene	9.9		"	10.0		98.7	68-138		2.40	30	
1,2,3-Trichlorobenzene	10		"	10.0		101	76-136		1.09	30	
1,2,3-Trichloropropane	10		"	10.0		104	77-128		0.387	30	
1,2,4-Trichlorobenzene	10		"	10.0		102	76-137		0.0979	30	
1,2,4-Trimethylbenzene	10		"	10.0		102	82-132		3.84	30	
1,2-Dibromo-3-chloropropane	10		"	10.0		101	45-147		1.40	30	
1,2-Dibromoethane	10		"	10.0		103	83-124		1.46	30	
1,2-Dichlorobenzene	9.7		"	10.0		97.4	79-123		1.63	30	
1,2-Dichloroethane	10		"	10.0		105	73-132		1.54	30	
1,2-Dichloropropane	10		"	10.0		101	78-126		0.0987	30	
1,3,5-Trimethylbenzene	10		"	10.0		102	80-131		4.53	30	
1,3-Dichlorobenzene	9.6		"	10.0		96.1	86-122		2.67	30	
1,4-Dichlorobenzene	9.8		"	10.0		97.5	85-124		1.83	30	
1,4-Dioxane	230		"	200		113	10-349		17.1	30	
2-Butanone	11		"	10.0		112	49-152		12.3	30	
2-Hexanone	11		"	10.0		112	51-146		6.14	30	
4-Methyl-2-pentanone	10		"	10.0		99.9	57-145		2.64	30	
Acetone	10		"	10.0		104	14-150		7.65	30	
Acrolein	12		"	10.0		118	10-153		4.58	30	
Acrylonitrile	9.9		"	10.0		99.0	51-150		10.7	30	
Benzene	10		"	10.0		103	85-126		1.25	30	
Bromochloromethane	11		"	10.0		110	77-128		1.19	30	
Bromodichloromethane	10		"	10.0		104	79-128		0.00	30	
Bromoform	10		"	10.0		104	78-133		3.42	30	
Bromomethane	4.5		"	10.0		45.4	43-168		3.59	30	
Carbon disulfide	9.8		"	10.0		98.5	68-146		4.76	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 BH60697 - EPA 5030B

LCS Dup (BH60697-BSD1)

Prepared & Analyzed: 08/11/2016

Carbon tetrachloride	10		ug/L	10.0		104	77-141		5.25	30	
Chlorobenzene	9.8		"	10.0		97.5	88-120		0.919	30	
Chloroethane	9.8		"	10.0		97.7	65-136		1.83	30	
Chloroform	10		"	10.0		105	82-128		1.04	30	
Chloromethane	7.5		"	10.0		75.3	43-155		2.23	30	
cis-1,2-Dichloroethylene	10		"	10.0		104	83-129		1.06	30	
cis-1,3-Dichloropropylene	10		"	10.0		104	80-131		0.865	30	
Cyclohexane	10		"	10.0		101	63-149		6.81	30	
Dibromochloromethane	10		"	10.0		101	80-130		1.29	30	
Dibromomethane	11		"	10.0		107	72-134		2.75	30	
Dichlorodifluoromethane	7.8		"	10.0		77.6	44-144		7.44	30	
Ethyl Benzene	10		"	10.0		101	80-131		2.54	30	
Hexachlorobutadiene	9.8		"	10.0		97.5	67-146		6.07	30	
Isopropylbenzene	9.3		"	10.0		93.4	76-140		5.72	30	
Methyl acetate	11		"	10.0		113	51-139		5.44	30	
Methyl tert-butyl ether (MTBE)	10		"	10.0		104	76-135		2.52	30	
Methylcyclohexane	9.9		"	10.0		99.3	72-143		5.58	30	
Methylene chloride	9.2		"	10.0		92.1	55-137		0.982	30	
n-Butylbenzene	10		"	10.0		101	79-132		5.37	30	
n-Propylbenzene	9.4		"	10.0		94.4	78-133		5.66	30	
o-Xylene	9.7		"	10.0		96.8	78-130		2.15	30	
p- & m- Xylenes	20		"	20.0		101	77-133		1.81	30	
p-Isopropyltoluene	10		"	10.0		101	81-136		5.60	30	
sec-Butylbenzene	9.3		"	10.0		92.6	79-137		6.68	30	
Styrene	11		"	10.0		110	67-132		0.0910	30	
tert-Butyl alcohol (TBA)	13		"	10.0		131	25-162		8.41	30	
tert-Butylbenzene	9.4		"	10.0		93.9	77-138		5.59	30	
Tetrachloroethylene	9.5		"	10.0		95.3	82-131		5.71	30	
Toluene	10		"	10.0		99.5	80-127		2.38	30	
trans-1,2-Dichloroethylene	10		"	10.0		100	80-132		2.84	30	
trans-1,3-Dichloropropylene	10		"	10.0		104	78-131		1.94	30	
Trichloroethylene	9.7		"	10.0		97.1	82-128		1.63	30	
Trichlorofluoromethane	9.6		"	10.0		95.7	67-139		8.70	30	
Vinyl Chloride	8.8		"	10.0		88.5	58-145		3.77	30	
Surrogate: 1,2-Dichloroethane-d4	9.86		"	10.0		98.6	69-130				
Surrogate: Toluene-d8	9.84		"	10.0		98.4	81-117				
Surrogate: 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 BH60738 - EPA 5035A

Blank (BH60738-BLK1)

Prepared & Analyzed: 08/11/2016

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



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BH60738 - EPA 5035A

Blank (BH60738-BLK1)

Prepared & Analyzed: 08/11/2016

n-Propylbenzene	ND	0.0050	mg/kg wet
o-Xylene	ND	0.0050	"
p- & m- Xylenes	ND	0.010	"
p-Isopropyltoluene	ND	0.0050	"
sec-Butylbenzene	ND	0.0050	"
Styrene	ND	0.0050	"
tert-Butyl alcohol (TBA)	ND	0.0050	"
tert-Butylbenzene	ND	0.0050	"
Tetrachloroethylene	ND	0.0050	"
Toluene	ND	0.0050	"
trans-1,2-Dichloroethylene	ND	0.0050	"
trans-1,3-Dichloropropylene	ND	0.0050	"
Trichloroethylene	ND	0.0050	"
Trichlorofluoromethane	ND	0.0050	"
Vinyl Chloride	ND	0.0050	"
Xylenes, Total	ND	0.015	"

Surrogate: 1,2-Dichloroethane-d4	50.1	ug/L	50.0	100	77-125
Surrogate: Toluene-d8	49.8	"	50.0	99.6	85-120
Surrogate: p-Bromofluorobenzene	49.6	"	50.0	99.1	76-130

LCS (BH60738-BS1)

Prepared & Analyzed: 08/11/2016

1,1,1,2-Tetrachloroethane	53	ug/L	50.0	105	75-129
1,1,1-Trichloroethane	54	"	50.0	108	71-137
1,1,2,2-Tetrachloroethane	51	"	50.0	102	79-129
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	51	"	50.0	102	58-146
1,1,2-Trichloroethane	52	"	50.0	104	83-123
1,1-Dichloroethane	53	"	50.0	107	75-130
1,1-Dichloroethylene	48	"	50.0	96.8	64-137
1,2,3-Trichlorobenzene	51	"	50.0	102	81-140
1,2,3-Trichloropropane	53	"	50.0	107	81-126
1,2,4-Trichlorobenzene	51	"	50.0	102	80-141
1,2,4-Trimethylbenzene	51	"	50.0	102	84-125
1,2-Dibromo-3-chloropropane	54	"	50.0	108	74-142
1,2-Dibromoethane	53	"	50.0	106	86-123
1,2-Dichlorobenzene	46	"	50.0	91.5	85-122
1,2-Dichloroethane	53	"	50.0	106	71-133
1,2-Dichloropropane	50	"	50.0	101	81-122
1,3,5-Trimethylbenzene	52	"	50.0	104	82-126
1,3-Dichlorobenzene	45	"	50.0	89.6	84-124
1,4-Dichlorobenzene	45	"	50.0	90.6	84-124
1,4-Dioxane	1800	"	1000	177	10-228
2-Butanone	49	"	50.0	98.1	58-147
2-Hexanone	48	"	50.0	96.9	70-139
4-Methyl-2-pentanone	50	"	50.0	101	72-132
Acetone	47	"	50.0	94.0	36-155
Acrolein	49	"	50.0	98.7	10-238
Acrylonitrile	53	"	50.0	106	66-141
Benzene	48	"	50.0	95.7	77-127
Bromochloromethane	50	"	50.0	101	74-129
Bromodichloromethane	58	"	50.0	116	81-124
Bromoform	56	"	50.0	111	80-136
Bromomethane	38	"	50.0	75.3	32-177



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 BH60738 - EPA 5035A

LCS (BH60738-BS1)

Prepared & Analyzed: 08/11/2016

Carbon disulfide	49		ug/L	50.0		99.0	10-136				
Carbon tetrachloride	55		"	50.0		110	66-143				
Chlorobenzene	48		"	50.0		95.5	86-120				
Chloroethane	47		"	50.0		94.6	51-142				
Chloroform	54		"	50.0		109	76-131				
Chloromethane	52		"	50.0		105	49-132				
cis-1,2-Dichloroethylene	53		"	50.0		105	74-132				
cis-1,3-Dichloropropylene	53		"	50.0		106	81-129				
Cyclohexane	47		"	50.0		94.5	70-130				
Dibromochloromethane	57		"	50.0		114	10-200				
Dibromomethane	54		"	50.0		107	83-124				
Dichlorodifluoromethane	44		"	50.0		87.6	28-158				
Ethyl Benzene	51		"	50.0		102	84-125				
Hexachlorobutadiene	51		"	50.0		103	83-133				
Isopropylbenzene	49		"	50.0		98.7	81-127				
Methyl acetate	43		"	50.0		86.5	41-143				
Methyl tert-butyl ether (MTBE)	52		"	50.0		105	74-131				
Methylcyclohexane	51		"	50.0		103	70-130				
Methylene chloride	47		"	50.0		93.2	57-141				
n-Butylbenzene	49		"	50.0		98.4	80-130				
n-Propylbenzene	47		"	50.0		94.5	74-136				
o-Xylene	49		"	50.0		98.9	83-123				
p- & m- Xylenes	99		"	100		99.5	82-128				
p-Isopropyltoluene	51		"	50.0		102	85-125				
sec-Butylbenzene	47		"	50.0		94.6	83-125				
Styrene	53		"	50.0		106	86-126				
tert-Butyl alcohol (TBA)	62		"	50.0		123	70-130				
tert-Butylbenzene	50		"	50.0		100	80-127				
Tetrachloroethylene	55		"	50.0		110	80-129				
Toluene	50		"	50.0		100	85-121				
trans-1,2-Dichloroethylene	50		"	50.0		101	72-132				
trans-1,3-Dichloropropylene	53		"	50.0		105	78-132				
Trichloroethylene	54		"	50.0		108	84-123				
Trichlorofluoromethane	47		"	50.0		93.1	62-140				
Vinyl Chloride	48		"	50.0		96.8	52-130				
Surrogate: 1,2-Dichloroethane-d4	52.1		"	50.0		104	77-125				
Surrogate: Toluene-d8	49.0		"	50.0		98.0	85-120				
Surrogate: p-Bromofluorobenzene	50.8		"	50.0		102	76-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH60738 - EPA 5035A											
LCS Dup (BH60738-BSD1)						Prepared & Analyzed: 08/11/2016					
1,1,1,2-Tetrachloroethane	55		ug/L	50.0		110	75-129		4.50	30	
1,1,1-Trichloroethane	56		"	50.0		113	71-137		4.08	30	
1,1,2,2-Tetrachloroethane	54		"	50.0		108	79-129		5.16	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	52		"	50.0		105	58-146		2.63	30	
1,1,2-Trichloroethane	55		"	50.0		110	83-123		4.93	30	
1,1-Dichloroethane	55		"	50.0		109	75-130		2.45	30	
1,1-Dichloroethylene	50		"	50.0		101	64-137		4.01	30	
1,2,3-Trichlorobenzene	53		"	50.0		106	81-140		3.96	30	
1,2,3-Trichloropropane	54		"	50.0		109	81-126		2.04	30	
1,2,4-Trichlorobenzene	53		"	50.0		106	80-141		3.64	30	
1,2,4-Trimethylbenzene	53		"	50.0		106	84-125		4.69	30	
1,2-Dibromo-3-chloropropane	59		"	50.0		117	74-142		7.68	30	
1,2-Dibromoethane	56		"	50.0		112	86-123		5.62	30	
1,2-Dichlorobenzene	48		"	50.0		96.6	85-122		5.44	30	
1,2-Dichloroethane	53		"	50.0		107	71-133		1.28	30	
1,2-Dichloropropane	54		"	50.0		107	81-122		6.29	30	
1,3,5-Trimethylbenzene	53		"	50.0		106	82-126		2.40	30	
1,3-Dichlorobenzene	47		"	50.0		93.5	84-124		4.28	30	
1,4-Dichlorobenzene	48		"	50.0		95.0	84-124		4.74	30	
1,4-Dioxane	1800		"	1000		181	10-228		2.27	30	
2-Butanone	44		"	50.0		88.6	58-147		10.2	30	
2-Hexanone	49		"	50.0		98.5	70-139		1.66	30	
4-Methyl-2-pentanone	52		"	50.0		104	72-132		3.44	30	
Acetone	44		"	50.0		88.9	36-155		5.60	30	
Acrolein	50		"	50.0		99.1	10-238		0.404	30	
Acrylonitrile	54		"	50.0		108	66-141		1.55	30	
Benzene	50		"	50.0		101	77-127		4.95	30	
Bromochloromethane	52		"	50.0		103	74-129		2.41	30	
Bromodichloromethane	61		"	50.0		122	81-124		5.45	30	
Bromoform	57		"	50.0		114	80-136		2.59	30	
Bromomethane	41		"	50.0		82.9	32-177		9.58	30	
Carbon disulfide	52		"	50.0		103	10-136		4.06	30	
Carbon tetrachloride	56		"	50.0		111	66-143		0.813	30	
Chlorobenzene	50		"	50.0		101	86-120		5.58	30	
Chloroethane	50		"	50.0		101	51-142		6.26	30	
Chloroform	56		"	50.0		113	76-131		3.64	30	
Chloromethane	53		"	50.0		105	49-132		0.553	30	
cis-1,2-Dichloroethylene	55		"	50.0		110	74-132		4.24	30	
cis-1,3-Dichloropropylene	55		"	50.0		109	81-129		3.56	30	
Cyclohexane	49		"	50.0		99.0	70-130		4.61	30	
Dibromochloromethane	59		"	50.0		118	10-200		4.10	30	
Dibromomethane	57		"	50.0		115	83-124		6.66	30	
Dichlorodifluoromethane	44		"	50.0		88.5	28-158		1.02	30	
Ethyl Benzene	53		"	50.0		106	84-125		4.16	30	
Hexachlorobutadiene	55		"	50.0		109	83-133		5.83	30	
Isopropylbenzene	52		"	50.0		105	81-127		5.74	30	
Methyl acetate	48		"	50.0		96.8	41-143		11.2	30	
Methyl tert-butyl ether (MTBE)	55		"	50.0		109	74-131		4.37	30	
Methylcyclohexane	54		"	50.0		108	70-130		5.26	30	
Methylene chloride	49		"	50.0		98.6	57-141		5.71	30	
n-Butylbenzene	51		"	50.0		103	80-130		4.39	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 BH60738 - EPA 5035A

LCS Dup (BH60738-BSD1)

Prepared & Analyzed: 08/11/2016

n-Propylbenzene	50		ug/L	50.0		99.1	74-136		4.69	30	
o-Xylene	52		"	50.0		104	83-123		4.54	30	
p- & m- Xylenes	100		"	100		102	82-128		2.91	30	
p-Isopropyltoluene	53		"	50.0		105	85-125		3.68	30	
sec-Butylbenzene	49		"	50.0		98.1	83-125		3.65	30	
Styrene	55		"	50.0		111	86-126		4.27	30	
tert-Butyl alcohol (TBA)	64		"	50.0		128	70-130		3.65	30	
tert-Butylbenzene	52		"	50.0		103	80-127		3.11	30	
Tetrachloroethylene	55		"	50.0		110	80-129		0.418	30	
Toluene	53		"	50.0		105	85-121		4.98	30	
trans-1,2-Dichloroethylene	52		"	50.0		104	72-132		3.47	30	
trans-1,3-Dichloropropylene	55		"	50.0		110	78-132		4.14	30	
Trichloroethylene	55		"	50.0		111	84-123		2.10	30	
Trichlorofluoromethane	50		"	50.0		99.6	62-140		6.66	30	
Vinyl Chloride	49		"	50.0		98.0	52-130		1.19	30	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>51.1</i>		<i>"</i>	<i>50.0</i>		<i>102</i>	<i>77-125</i>				
<i>Surrogate: Toluene-d8</i>	<i>48.7</i>		<i>"</i>	<i>50.0</i>		<i>97.5</i>	<i>85-120</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>50.6</i>		<i>"</i>	<i>50.0</i>		<i>101</i>	<i>76-130</i>				



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 BH60664 - EPA 3510C

Blank (BH60664-BLK1)

Prepared: 08/10/2016 Analyzed: 08/11/2016

1,1'-Biphenyl	ND	5.00	ug/L
1,2,4,5-Tetrachlorobenzene	ND	5.00	"
1,2-Diphenylhydrazine (as Azobenzene)	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	"
1,2,4-Trichlorobenzene	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	"
1,2-Dichlorobenzene	ND	5.00	"
2,6-Dinitrotoluene	ND	5.00	"
2-Chloronaphthalene	ND	5.00	"
2-Chlorophenol	ND	5.00	"
2-Methylnaphthalene	ND	5.00	"
1,3-Dichlorobenzene	ND	5.00	"
2-Methylphenol	ND	5.00	"
2-Nitroaniline	ND	5.00	"
1,4-Dichlorobenzene	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	"
Acenaphthene	ND	0.0500	"
Acenaphthylene	ND	0.0500	"
Acetophenone	ND	5.00	"
Aniline	ND	5.00	"
Anthracene	ND	0.0500	"
Atrazine	ND	0.500	"
Benzaldehyde	ND	5.00	"
Benzidine	ND	20.0	"
Benzo(a)anthracene	ND	0.0500	"
Benzo(a)pyrene	ND	0.0500	"
Benzo(b)fluoranthene	ND	0.0500	"
Benzo(g,h,i)perylene	ND	0.0500	"
Benzo(k)fluoranthene	ND	0.0500	"
Benzoic acid	ND	50.0	"
Benzyl alcohol	ND	5.00	"
Benzyl butyl phthalate	ND	5.00	"
Bis(2-chloroethoxy)methane	ND	5.00	"
Bis(2-chloroethyl)ether	ND	5.00	"
Bis(2-chloroisopropyl)ether	ND	5.00	"
Bis(2-ethylhexyl)phthalate	ND	0.500	"



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BH60664 - EPA 3510C

Blank (BH60664-BLK1)

Prepared: 08/10/2016 Analyzed: 08/11/2016

Caprolactam	ND	5.00	ug/L								
Carbazole	ND	5.00	"								
Hexachlorobutadiene	ND	0.500	"								
Chrysene	ND	0.0500	"								
Dibenzo(a,h)anthracene	ND	0.0500	"								
Dibenzofuran	ND	5.00	"								
Diethyl phthalate	ND	5.00	"								
Dimethyl phthalate	ND	5.00	"								
Di-n-butyl phthalate	ND	5.00	"								
Di-n-octyl phthalate	ND	5.00	"								
Naphthalene	ND	0.0500	"								
Fluoranthene	ND	0.0500	"								
Fluorene	ND	0.0500	"								
Hexachlorobenzene	ND	0.0200	"								
Hexachlorocyclopentadiene	ND	5.00	"								
Hexachloroethane	ND	0.500	"								
Indeno(1,2,3-cd)pyrene	ND	0.0500	"								
Isophorone	ND	5.00	"								
Nitrobenzene	ND	0.250	"								
N-Nitrosodimethylamine	ND	0.500	"								
N-nitroso-di-n-propylamine	ND	5.00	"								
N-Nitrosodiphenylamine	ND	5.00	"								
Pentachlorophenol	ND	0.250	"								
Phenanthrene	ND	0.0500	"								
Phenol	ND	5.00	"								
Pyrene	ND	0.0500	"								
Surrogate: 2-Fluorophenol	24.7		"	75.4		32.7	12-64				
Surrogate: Phenol-d5	18.5		"	75.5		24.5	10-82				
Surrogate: Nitrobenzene-d5	41.9		"	50.2		83.5	12-96				
Surrogate: 2-Fluorobiphenyl	40.6		"	50.0		81.1	16-84				
Surrogate: 2,4,6-Tribromophenol	70.0		"	75.0		93.3	15-104				
Surrogate: Terphenyl-d14	35.8		"	50.5		71.0	15-106				



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 BH60664 - EPA 3510C

Blank (BH60664-BLK2)

Prepared: 08/10/2016 Analyzed: 08/11/2016

1,1'-Biphenyl	ND	5.00	ug/L
1,2,4,5-Tetrachlorobenzene	ND	5.00	"
1,2-Diphenylhydrazine (as Azobenzene)	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	"
1,2,4-Trichlorobenzene	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	"
1,2-Dichlorobenzene	ND	5.00	"
2,6-Dinitrotoluene	ND	5.00	"
2-Chloronaphthalene	ND	5.00	"
2-Chlorophenol	ND	5.00	"
2-Methylnaphthalene	ND	5.00	"
1,3-Dichlorobenzene	ND	5.00	"
2-Methylphenol	ND	5.00	"
2-Nitroaniline	ND	5.00	"
1,4-Dichlorobenzene	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	"
Acenaphthene	ND	0.0500	"
Acenaphthylene	ND	0.0500	"
Acetophenone	ND	5.00	"
Aniline	ND	5.00	"
Anthracene	ND	0.0500	"
Atrazine	ND	0.500	"
Benzaldehyde	ND	5.00	"
Benzidine	ND	20.0	"
Benzo(a)anthracene	ND	0.0500	"
Benzo(a)pyrene	ND	0.0500	"
Benzo(b)fluoranthene	ND	0.0500	"
Benzo(g,h,i)perylene	ND	0.0500	"
Benzo(k)fluoranthene	ND	0.0500	"
Benzoic acid	ND	50.0	"
Benzyl alcohol	ND	5.00	"
Benzyl butyl phthalate	ND	5.00	"
Bis(2-chloroethoxy)methane	ND	5.00	"
Bis(2-chloroethyl)ether	ND	5.00	"
Bis(2-chloroisopropyl)ether	ND	5.00	"
Bis(2-ethylhexyl)phthalate	ND	0.500	"



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BH60664 - EPA 3510C

Blank (BH60664-BLK2)

Prepared: 08/10/2016 Analyzed: 08/11/2016

Caprolactam	ND	5.00	ug/L								
Carbazole	ND	5.00	"								
Hexachlorobutadiene	ND	0.500	"								
Chrysene	ND	0.0500	"								
Dibenzo(a,h)anthracene	ND	0.0500	"								
Dibenzofuran	ND	5.00	"								
Diethyl phthalate	ND	5.00	"								
Dimethyl phthalate	ND	5.00	"								
Di-n-butyl phthalate	ND	5.00	"								
Di-n-octyl phthalate	ND	5.00	"								
Naphthalene	ND	0.0500	"								
Fluoranthene	ND	0.0500	"								
Fluorene	ND	0.0500	"								
Hexachlorobenzene	ND	0.0200	"								
Hexachlorocyclopentadiene	ND	5.00	"								
Hexachloroethane	ND	0.500	"								
Indeno(1,2,3-cd)pyrene	ND	0.0500	"								
Isophorone	ND	5.00	"								
Nitrobenzene	ND	0.250	"								
N-Nitrosodimethylamine	ND	0.500	"								
N-nitroso-di-n-propylamine	ND	5.00	"								
N-Nitrosodiphenylamine	ND	5.00	"								
Pentachlorophenol	ND	0.250	"								
Phenanthrene	ND	0.0500	"								
Phenol	ND	5.00	"								
Pyrene	ND	0.0500	"								
Surrogate: 2-Fluorophenol	0.00		"	75.4			12-64				
Surrogate: Phenol-d5	0.00		"	75.5			10-82				
Surrogate: Nitrobenzene-d5	0.00		"	50.2			12-96				
Surrogate: 2-Fluorobiphenyl	0.00		"	50.0			16-84				
Surrogate: 2,4,6-Tribromophenol	0.00		"	75.0			15-104				
Surrogate: Terphenyl-d14	0.00		"	50.5			15-106				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH60664 - EPA 3510C											
LCS (BH60664-BS1)						Prepared: 08/10/2016 Analyzed: 08/11/2016					
1,1'-Biphenyl	66.7	5.00	ug/L	50.0		133	21-102	High Bias			
1,2,4,5-Tetrachlorobenzene	85.2	5.00	"	50.0		170	28-105	High Bias			
1,2-Diphenylhydrazine (as Azobenzene)	69.8	5.00	"	50.0		140	16-137	High Bias			
2,3,4,6-Tetrachlorophenol	142	5.00	"	50.0		284	30-130	High Bias			
2,4,5-Trichlorophenol	64.7	5.00	"	50.0		129	36-112	High Bias			
2,4,6-Trichlorophenol	78.0	5.00	"	50.0		156	41-107	High Bias			
1,2,4-Trichlorobenzene	70.4	5.00	"	50.0		141	35-91	High Bias			
2,4-Dichlorophenol	67.5	5.00	"	50.0		135	43-92	High Bias			
2,4-Dimethylphenol	60.1	5.00	"	50.0		120	25-92	High Bias			
2,4-Dinitrophenol	74.3	5.00	"	50.0		149	10-149				
2,4-Dinitrotoluene	70.0	5.00	"	50.0		140	41-114	High Bias			
1,2-Dichlorobenzene	59.2	5.00	"	50.0		118	42-85	High Bias			
2,6-Dinitrotoluene	70.4	5.00	"	50.0		141	49-106	High Bias			
2-Chloronaphthalene	65.2	5.00	"	50.0		130	40-96	High Bias			
2-Chlorophenol	48.7	5.00	"	50.0		97.5	35-84	High Bias			
2-Methylnaphthalene	72.6	5.00	"	50.0		145	33-101	High Bias			
1,3-Dichlorobenzene	58.6	5.00	"	50.0		117	45-80	High Bias			
2-Methylphenol	41.1	5.00	"	50.0		82.3	10-90				
2-Nitroaniline	64.8	5.00	"	50.0		130	31-122	High Bias			
1,4-Dichlorobenzene	56.8	5.00	"	50.0		114	42-82	High Bias			
2-Nitrophenol	60.9	5.00	"	50.0		122	37-97	High Bias			
3- & 4-Methylphenols	32.5	5.00	"	50.0		65.0	10-101				
3,3'-Dichlorobenzidine	90.6	5.00	"	50.0		181	25-155	High Bias			
3-Nitroaniline	58.9	5.00	"	50.0		118	29-128				
4,6-Dinitro-2-methylphenol	83.4	5.00	"	50.0		167	10-135	High Bias			
4-Bromophenyl phenyl ether	70.2	5.00	"	50.0		140	38-116	High Bias			
4-Chloro-3-methylphenol	57.5	5.00	"	50.0		115	28-101	High Bias			
4-Chloroaniline	46.7	5.00	"	50.0		93.4	10-154				
4-Chlorophenyl phenyl ether	75.4	5.00	"	50.0		151	34-112	High Bias			
4-Nitroaniline	63.8	5.00	"	50.0		128	15-143				
4-Nitrophenol	11.2	5.00	"	50.0		22.4	10-112				
Acenaphthene	69.0	0.0500	"	50.0		138	24-114	High Bias			
Acenaphthylene	65.0	0.0500	"	50.0		130	26-112	High Bias			
Acetophenone	62.3	5.00	"	50.0		125	47-92	High Bias			
Aniline	31.5	5.00	"	50.0		63.0	10-107				
Anthracene	69.7	0.0500	"	50.0		139	35-114	High Bias			
Atrazine	70.6	0.500	"	50.0		141	43-101	High Bias			
Benzaldehyde	61.7	5.00	"	50.0		123	17-117	High Bias			
Benzo(a)anthracene	83.5	0.0500	"	50.0		167	38-127	High Bias			
Benzo(a)pyrene	66.6	0.0500	"	50.0		133	30-146				
Benzo(b)fluoranthene	62.7	0.0500	"	50.0		125	36-145				
Benzo(g,h,i)perylene	86.3	0.0500	"	50.0		173	10-163	High Bias			
Benzo(k)fluoranthene	71.8	0.0500	"	50.0		144	16-149				
Benzoic acid	25.3	5.00	"	50.0		50.6	30-130				
Benzyl alcohol	42.8	5.00	"	50.0		85.7	18-75	High Bias			
Benzyl butyl phthalate	62.6	5.00	"	50.0		125	28-129				
Bis(2-chloroethoxy)methane	60.1	5.00	"	50.0		120	27-112	High Bias			
Bis(2-chloroethyl)ether	49.6	5.00	"	50.0		99.1	24-114				
Bis(2-chloroisopropyl)ether	60.4	5.00	"	50.0		121	21-124				
Bis(2-ethylhexyl)phthalate	73.3	0.500	"	50.0		147	10-171				
Caprolactam	17.0	5.00	"	50.0		34.1	10-29	High Bias			



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BH60664 - EPA 3510C

LCS (BH60664-BS1)

Prepared: 08/10/2016 Analyzed: 08/11/2016

Carbazole	64.0	5.00	ug/L	50.0		128	49-116	High Bias			
Hexachlorobutadiene	75.0	0.500	"	50.0		150	25-106	High Bias			
Chrysene	65.9	0.0500	"	50.0		132	33-120	High Bias			
Dibenzo(a,h)anthracene	87.1	0.0500	"	50.0		174	10-149	High Bias			
Dibenzofuran	68.1	5.00	"	50.0		136	42-105	High Bias			
Diethyl phthalate	65.1	5.00	"	50.0		130	38-112	High Bias			
Dimethyl phthalate	64.2	5.00	"	50.0		128	49-106	High Bias			
Di-n-butyl phthalate	62.1	5.00	"	50.0		124	36-110	High Bias			
Di-n-octyl phthalate	55.1	5.00	"	50.0		110	12-149				
Naphthalene	68.1	0.0500	"	50.0		136	30-99	High Bias			
Fluoranthene	73.6	0.0500	"	50.0		147	33-126	High Bias			
Fluorene	70.7	0.0500	"	50.0		141	28-117	High Bias			
Hexachlorobenzene	68.4	0.0200	"	50.0		137	27-120	High Bias			
Hexachlorocyclopentadiene	62.7	5.00	"	50.0		125	10-99	High Bias			
Hexachloroethane	59.6	0.500	"	50.0		119	33-84	High Bias			
Indeno(1,2,3-cd)pyrene	85.1	0.0500	"	50.0		170	10-150	High Bias			
Isophorone	58.8	5.00	"	50.0		118	29-115	High Bias			
Nitrobenzene	61.3	0.250	"	50.0		123	32-113	High Bias			
N-Nitrosodimethylamine	21.4	0.500	"	50.0		42.8	10-63				
N-nitroso-di-n-propylamine	57.8	5.00	"	50.0		116	36-118				
N-Nitrosodiphenylamine	86.0	5.00	"	50.0		172	27-145	High Bias			
Pentachlorophenol	67.5	0.250	"	50.0		135	19-127	High Bias			
Phenanthrene	71.2	0.0500	"	50.0		142	31-112	High Bias			
Phenol	20.4	5.00	"	50.0		40.7	10-37	High Bias			
Pyrene	75.8	0.0500	"	50.0		152	42-125	High Bias			
<i>Surrogate: 2-Fluorophenol</i>	<i>41.9</i>		<i>"</i>	<i>75.4</i>		<i>55.6</i>	<i>12-64</i>				
<i>Surrogate: Phenol-d5</i>	<i>27.9</i>		<i>"</i>	<i>75.5</i>		<i>37.0</i>	<i>10-82</i>				
<i>Surrogate: Nitrobenzene-d5</i>	<i>68.3</i>		<i>"</i>	<i>50.2</i>		<i>136</i>	<i>12-96</i>				
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>66.8</i>		<i>"</i>	<i>50.0</i>		<i>134</i>	<i>16-84</i>				
<i>Surrogate: 2,4,6-Tribromophenol</i>	<i>125</i>		<i>"</i>	<i>75.0</i>		<i>166</i>	<i>15-104</i>				
<i>Surrogate: Terphenyl-d14</i>	<i>59.2</i>		<i>"</i>	<i>50.5</i>		<i>117</i>	<i>15-106</i>				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting	Units	Spike	Source*	%REC	%REC	Flag	RPD	RPD	Flag
		Limit		Level	Result		Limits			Limit	
Batch BH60664 - EPA 3510C											
LCS (BH60664-BS2)						Prepared: 08/10/2016 Analyzed: 08/11/2016					
1,1'-Biphenyl	ND	5.00	ug/L				21-102				
1,2,4,5-Tetrachlorobenzene	ND	5.00	"				28-105				
1,2-Diphenylhydrazine (as Azobenzene)	ND	5.00	"				16-137				
2,3,4,6-Tetrachlorophenol	ND	5.00	"				30-130				
2,4,5-Trichlorophenol	ND	5.00	"				36-112				
2,4,6-Trichlorophenol	ND	5.00	"				41-107				
1,2,4-Trichlorobenzene	ND	5.00	"				35-91				
2,4-Dichlorophenol	ND	5.00	"				43-92				
2,4-Dimethylphenol	ND	5.00	"				25-92				
2,4-Dinitrophenol	ND	5.00	"				10-149				
2,4-Dinitrotoluene	ND	5.00	"				41-114				
1,2-Dichlorobenzene	ND	5.00	"				42-85				
2,6-Dinitrotoluene	ND	5.00	"				49-106				
2-Chloronaphthalene	ND	5.00	"				40-96				
2-Chlorophenol	ND	5.00	"				35-84				
2-Methylnaphthalene	ND	5.00	"				33-101				
1,3-Dichlorobenzene	ND	5.00	"				45-80				
2-Methylphenol	ND	5.00	"				10-90				
2-Nitroaniline	ND	5.00	"				31-122				
1,4-Dichlorobenzene	ND	5.00	"				42-82				
2-Nitrophenol	ND	5.00	"				37-97				
3- & 4-Methylphenols	ND	5.00	"				10-101				
3,3'-Dichlorobenzidine	ND	5.00	"				25-155				
3-Nitroaniline	ND	5.00	"				29-128				
4,6-Dinitro-2-methylphenol	ND	5.00	"				10-135				
4-Bromophenyl phenyl ether	ND	5.00	"				38-116				
4-Chloro-3-methylphenol	ND	5.00	"				28-101				
4-Chloroaniline	ND	5.00	"				10-154				
4-Chlorophenyl phenyl ether	ND	5.00	"				34-112				
4-Nitroaniline	ND	5.00	"				15-143				
4-Nitrophenol	ND	5.00	"				10-112				
Acenaphthene	0.910	0.0500	"	1.00		91.0	24-114				
Acenaphthylene	0.890	0.0500	"	1.00		89.0	26-112				
Acetophenone	ND	5.00	"				47-92				
Aniline	ND	5.00	"				10-107				
Anthracene	1.11	0.0500	"	1.00		111	35-114				
Atrazine	ND	0.500	"				43-101				
Benzaldehyde	ND	5.00	"				17-117				
Benzo(a)anthracene	0.590	0.0500	"	1.00		59.0	38-127				
Benzo(a)pyrene	1.01	0.0500	"	1.00		101	30-146				
Benzo(b)fluoranthene	0.470	0.0500	"	1.00		47.0	36-145				
Benzo(g,h,i)perylene	1.43	0.0500	"	1.00		143	10-163				
Benzo(k)fluoranthene	1.29	0.0500	"	1.00		129	16-149				
Benzoic acid	ND	50.0	"				30-130				
Benzyl alcohol	ND	5.00	"				18-75				
Benzyl butyl phthalate	ND	5.00	"				28-129				
Bis(2-chloroethoxy)methane	ND	5.00	"				27-112				
Bis(2-chloroethyl)ether	ND	5.00	"				24-114				
Bis(2-chloroisopropyl)ether	ND	5.00	"				21-124				
Bis(2-ethylhexyl)phthalate	ND	0.500	"				10-171				
Caprolactam	ND	5.00	"				10-29				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BH60664 - EPA 3510C

LCS (BH60664-BS2)

Prepared: 08/10/2016 Analyzed: 08/11/2016

Carbazole	ND	5.00	ug/L				49-116				
Hexachlorobutadiene	ND	0.500	"				25-106				
Chrysene	1.42	0.0500	"	1.00		142	33-120	High Bias			
Dibenzo(a,h)anthracene	1.87	0.0500	"	1.00		187	10-149	High Bias			
Dibenzofuran	ND	5.00	"				42-105				
Diethyl phthalate	ND	5.00	"				38-112				
Dimethyl phthalate	ND	5.00	"				49-106				
Di-n-butyl phthalate	ND	5.00	"				36-110				
Di-n-octyl phthalate	ND	5.00	"				12-149				
Naphthalene	0.960	0.0500	"	1.00		96.0	30-99				
Fluoranthene	1.10	0.0500	"	1.00		110	33-126				
Fluorene	0.890	0.0500	"	1.00		89.0	28-117				
Hexachlorobenzene	ND	0.0200	"				27-120				
Hexachlorocyclopentadiene	ND	5.00	"				10-99				
Hexachloroethane	ND	0.500	"				33-84				
Indeno(1,2,3-cd)pyrene	1.44	0.0500	"	1.00		144	10-150				
Isophorone	ND	5.00	"				29-115				
Nitrobenzene	ND	0.250	"				32-113				
N-Nitrosodimethylamine	ND	0.500	"				10-63				
N-nitroso-di-n-propylamine	ND	5.00	"				36-118				
N-Nitrosodiphenylamine	ND	5.00	"				27-145				
Pentachlorophenol	ND	0.250	"				19-127				
Phenanthrene	0.690	0.0500	"	1.00		69.0	31-112				
Phenol	ND	5.00	"				10-37				
Pyrene	0.800	0.0500	"	1.00		80.0	42-125				
<i>Surrogate: 2-Fluorophenol</i>	<i>0.00</i>		<i>"</i>	<i>75.4</i>			<i>12-64</i>				
<i>Surrogate: Phenol-d5</i>	<i>0.00</i>		<i>"</i>	<i>75.5</i>			<i>10-82</i>				
<i>Surrogate: Nitrobenzene-d5</i>	<i>0.00</i>		<i>"</i>	<i>50.2</i>			<i>12-96</i>				
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>0.00</i>		<i>"</i>	<i>50.0</i>			<i>16-84</i>				
<i>Surrogate: 2,4,6-Tribromophenol</i>	<i>0.00</i>		<i>"</i>	<i>75.0</i>			<i>15-104</i>				
<i>Surrogate: Terphenyl-d14</i>	<i>0.00</i>		<i>"</i>	<i>50.5</i>			<i>15-106</i>				



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 BH60664 - EPA 3510C											
LCS Dup (BH60664-BSD1)						Prepared: 08/10/2016 Analyzed: 08/11/2016					
1,1'-Biphenyl	46.7	5.00	ug/L	50.0		93.5	21-102		35.1	20	Non-dir.
1,2,4,5-Tetrachlorobenzene	69.8	5.00	"	50.0		140	28-105	High Bias	19.9	20	
1,2-Diphenylhydrazine (as Azobenzene)	47.6	5.00	"	50.0		95.3	16-137		37.6	20	Non-dir.
2,3,4,6-Tetrachlorophenol	101	5.00	"	50.0		201	30-130	High Bias	34.2	20	Non-dir.
2,4,5-Trichlorophenol	48.8	5.00	"	50.0		97.5	36-112		28.1	20	Non-dir.
2,4,6-Trichlorophenol	60.9	5.00	"	50.0		122	41-107	High Bias	24.5	20	Non-dir.
1,2,4-Trichlorobenzene	48.8	5.00	"	50.0		97.7	35-91	High Bias	36.2	20	Non-dir.
2,4-Dichlorophenol	49.9	5.00	"	50.0		99.8	43-92	High Bias	30.0	20	Non-dir.
2,4-Dimethylphenol	41.9	5.00	"	50.0		83.8	25-92		35.6	20	Non-dir.
2,4-Dinitrophenol	55.6	5.00	"	50.0		111	10-149		28.8	20	Non-dir.
2,4-Dinitrotoluene	48.0	5.00	"	50.0		96.0	41-114		37.2	20	Non-dir.
1,2-Dichlorobenzene	41.5	5.00	"	50.0		83.0	42-85		35.2	20	Non-dir.
2,6-Dinitrotoluene	49.0	5.00	"	50.0		98.0	49-106		35.9	20	Non-dir.
2-Chloronaphthalene	46.7	5.00	"	50.0		93.4	40-96		33.0	20	Non-dir.
2-Chlorophenol	35.5	5.00	"	50.0		71.0	35-84		31.4	20	Non-dir.
2-Methylnaphthalene	45.5	5.00	"	50.0		91.1	33-101		45.8	20	Non-dir.
1,3-Dichlorobenzene	42.1	5.00	"	50.0		84.3	45-80	High Bias	32.6	20	Non-dir.
2-Methylphenol	28.1	5.00	"	50.0		56.2	10-90		37.6	20	Non-dir.
2-Nitroaniline	46.6	5.00	"	50.0		93.1	31-122		32.8	20	Non-dir.
1,4-Dichlorobenzene	40.6	5.00	"	50.0		81.2	42-82		33.3	20	Non-dir.
2-Nitrophenol	46.7	5.00	"	50.0		93.4	37-97		26.5	20	Non-dir.
3- & 4-Methylphenols	24.7	5.00	"	50.0		49.4	10-101		27.2	20	Non-dir.
3,3'-Dichlorobenzidine	60.5	5.00	"	50.0		121	25-155		39.9	20	Non-dir.
3-Nitroaniline	39.7	5.00	"	50.0		79.4	29-128		39.0	20	Non-dir.
4,6-Dinitro-2-methylphenol	57.9	5.00	"	50.0		116	10-135		36.2	20	Non-dir.
4-Bromophenyl phenyl ether	50.3	5.00	"	50.0		101	38-116		33.1	20	Non-dir.
4-Chloro-3-methylphenol	36.7	5.00	"	50.0		73.4	28-101		44.3	20	Non-dir.
4-Chloroaniline	30.4	5.00	"	50.0		60.9	10-154		42.2	20	Non-dir.
4-Chlorophenyl phenyl ether	53.2	5.00	"	50.0		106	34-112		34.5	20	Non-dir.
4-Nitroaniline	44.1	5.00	"	50.0		88.2	15-143		36.6	20	Non-dir.
4-Nitrophenol	3.40	5.00	"	50.0		6.80	10-112	Low Bias	107	20	Non-dir.
Acenaphthene	49.3	0.0500	"	50.0		98.6	24-114		33.2	20	Non-dir.
Acenaphthylene	46.4	0.0500	"	50.0		92.8	26-112		33.4	20	Non-dir.
Acetophenone	38.0	5.00	"	50.0		76.0	47-92		48.5	20	Non-dir.
Aniline	22.1	5.00	"	50.0		44.2	10-107		35.1	20	Non-dir.
Anthracene	48.3	0.0500	"	50.0		96.6	35-114		36.3	20	Non-dir.
Atrazine	48.4	0.500	"	50.0		96.8	43-101		37.3	20	Non-dir.
Benzaldehyde	42.8	5.00	"	50.0		85.7	17-117		36.1	20	Non-dir.
Benzo(a)anthracene	56.7	0.0500	"	50.0		113	38-127		38.2	20	Non-dir.
Benzo(a)pyrene	48.4	0.0500	"	50.0		96.9	30-146		31.5	20	Non-dir.
Benzo(b)fluoranthene	45.5	0.0500	"	50.0		91.0	36-145		31.9	20	Non-dir.
Benzo(g,h,i)perylene	58.6	0.0500	"	50.0		117	10-163		38.3	20	Non-dir.
Benzo(k)fluoranthene	45.8	0.0500	"	50.0		91.6	16-149		44.2	20	Non-dir.
Benzoic acid	ND	5.00	"	50.0			30-130	Low Bias		20	
Benzyl alcohol	29.5	5.00	"	50.0		58.9	18-75		37.0	20	Non-dir.
Benzyl butyl phthalate	42.6	5.00	"	50.0		85.1	28-129		38.2	20	Non-dir.
Bis(2-chloroethoxy)methane	40.8	5.00	"	50.0		81.7	27-112		38.1	20	Non-dir.
Bis(2-chloroethyl)ether	35.7	5.00	"	50.0		71.3	24-114		32.6	20	Non-dir.
Bis(2-chloroisopropyl)ether	43.3	5.00	"	50.0		86.6	21-124		32.9	20	Non-dir.
Bis(2-ethylhexyl)phthalate	49.5	0.500	"	50.0		99.0	10-171		38.8	20	Non-dir.
Caprolactam	6.21	5.00	"	50.0		12.4	10-29		93.1	20	Non-dir.



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 BH60664 - EPA 3510C											
LCS Dup (BH60664-BSD1)						Prepared: 08/10/2016 Analyzed: 08/11/2016					
Carbazole	44.1	5.00	ug/L	50.0		88.2	49-116		36.8	20	Non-dir.
Hexachlorobutadiene	56.0	0.500	"	50.0		112	25-106	High Bias	29.0	20	Non-dir.
Chrysene	44.9	0.0500	"	50.0		89.9	33-120		37.8	20	Non-dir.
Dibenzo(a,h)anthracene	58.8	0.0500	"	50.0		118	10-149		38.8	20	Non-dir.
Dibenzofuran	48.8	5.00	"	50.0		97.6	42-105		33.1	20	Non-dir.
Diethyl phthalate	45.7	5.00	"	50.0		91.4	38-112		35.0	20	Non-dir.
Dimethyl phthalate	45.1	5.00	"	50.0		90.2	49-106		35.0	20	Non-dir.
Di-n-butyl phthalate	43.0	5.00	"	50.0		85.9	36-110		36.4	20	Non-dir.
Di-n-octyl phthalate	40.1	5.00	"	50.0		80.1	12-149		31.7	20	Non-dir.
Naphthalene	46.7	0.0500	"	50.0		93.3	30-99		37.3	20	Non-dir.
Fluoranthene	50.8	0.0500	"	50.0		102	33-126		36.5	20	Non-dir.
Fluorene	49.2	0.0500	"	50.0		98.3	28-117		35.9	20	Non-dir.
Hexachlorobenzene	46.0	0.0200	"	50.0		92.1	27-120		39.1	20	Non-dir.
Hexachlorocyclopentadiene	51.9	5.00	"	50.0		104	10-99	High Bias	18.8	20	
Hexachloroethane	42.7	0.500	"	50.0		85.5	33-84	High Bias	32.9	20	Non-dir.
Indeno(1,2,3-cd)pyrene	57.2	0.0500	"	50.0		114	10-150		39.3	20	Non-dir.
Isophorone	36.6	5.00	"	50.0		73.2	29-115		46.6	20	Non-dir.
Nitrobenzene	36.2	0.250	"	50.0		72.4	32-113		51.4	20	Non-dir.
N-Nitrosodimethylamine	13.4	0.500	"	50.0		26.9	10-63		45.6	20	Non-dir.
N-nitroso-di-n-propylamine	42.4	5.00	"	50.0		84.7	36-118		30.8	20	Non-dir.
N-Nitrosodiphenylamine	60.7	5.00	"	50.0		121	27-145		34.5	20	Non-dir.
Pentachlorophenol	46.8	0.250	"	50.0		93.5	19-127		36.3	20	Non-dir.
Phenanthrene	49.2	0.0500	"	50.0		98.3	31-112		36.6	20	Non-dir.
Phenol	12.3	5.00	"	50.0		24.6	10-37		49.3	20	Non-dir.
Pyrene	51.8	0.0500	"	50.0		104	42-125		37.7	20	Non-dir.
<i>Surrogate: 2-Fluorophenol</i>	<i>24.3</i>		<i>"</i>	<i>75.4</i>		<i>32.2</i>	<i>12-64</i>				
<i>Surrogate: Phenol-d5</i>	<i>19.9</i>		<i>"</i>	<i>75.5</i>		<i>26.4</i>	<i>10-82</i>				
<i>Surrogate: Nitrobenzene-d5</i>	<i>40.8</i>		<i>"</i>	<i>50.2</i>		<i>81.2</i>	<i>12-96</i>				
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>50.7</i>		<i>"</i>	<i>50.0</i>		<i>101</i>	<i>16-84</i>				
<i>Surrogate: 2,4,6-Tribromophenol</i>	<i>86.3</i>		<i>"</i>	<i>75.0</i>		<i>115</i>	<i>15-104</i>				
<i>Surrogate: Terphenyl-d14</i>	<i>39.1</i>		<i>"</i>	<i>50.5</i>		<i>77.5</i>	<i>15-106</i>				



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 BH60767 - EPA 3550C

Blank (BH60767-BLK1)

Prepared & Analyzed: 08/12/2016

1,1'-Biphenyl	ND	0.0417	mg/kg wet
1,2,4,5-Tetrachlorobenzene	ND	0.0833	"
1,2,4-Trichlorobenzene	ND	0.0417	"
1,2-Dichlorobenzene	ND	0.0417	"
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.0417	"
1,3-Dichlorobenzene	ND	0.0417	"
1,4-Dichlorobenzene	ND	0.0417	"
2,3,4,6-Tetrachlorophenol	ND	0.0833	"
2,4,5-Trichlorophenol	ND	0.0417	"
2,4,6-Trichlorophenol	ND	0.0417	"
2,4-Dichlorophenol	ND	0.0417	"
2,4-Dimethylphenol	ND	0.0417	"
2,4-Dinitrophenol	ND	0.0833	"
2,4-Dinitrotoluene	ND	0.0417	"
2,6-Dinitrotoluene	ND	0.0417	"
2-Chloronaphthalene	ND	0.0417	"
2-Chlorophenol	ND	0.0417	"
2-Methylnaphthalene	ND	0.0417	"
2-Methylphenol	ND	0.0417	"
2-Nitroaniline	ND	0.0833	"
2-Nitrophenol	ND	0.0417	"
3- & 4-Methylphenols	ND	0.0417	"
3,3'-Dichlorobenzidine	ND	0.0417	"
3-Nitroaniline	ND	0.0833	"
4,6-Dinitro-2-methylphenol	ND	0.0833	"
4-Bromophenyl phenyl ether	ND	0.0417	"
4-Chloro-3-methylphenol	ND	0.0417	"
4-Chloroaniline	ND	0.0417	"
4-Chlorophenyl phenyl ether	ND	0.0417	"
4-Nitroaniline	ND	0.0833	"
4-Nitrophenol	ND	0.0833	"
Acenaphthene	ND	0.0417	"
Acenaphthylene	ND	0.0417	"
Acetophenone	ND	0.0417	"
Aniline	ND	0.167	"
Anthracene	ND	0.0417	"
Atrazine	ND	0.0417	"
Benzaldehyde	ND	0.0417	"
Benzidine	ND	0.167	"
Benzo(a)anthracene	ND	0.0417	"
Benzo(a)pyrene	ND	0.0417	"
Benzo(b)fluoranthene	ND	0.0417	"
Benzo(g,h,i)perylene	ND	0.0417	"
Benzo(k)fluoranthene	ND	0.0417	"
Benzoic acid	ND	0.0417	"
Benzyl alcohol	ND	0.0417	"
Benzyl butyl phthalate	ND	0.0417	"
Bis(2-chloroethoxy)methane	ND	0.0417	"
Bis(2-chloroethyl)ether	ND	0.0417	"
Bis(2-chloroisopropyl)ether	ND	0.0417	"
Bis(2-ethylhexyl)phthalate	ND	0.0417	"



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 BH60767 - EPA 3550C

Blank (BH60767-BLK1)

Prepared & Analyzed: 08/12/2016

Caprolactam	ND	0.0833	mg/kg wet								
Carbazole	ND	0.0417	"								
Chrysene	ND	0.0417	"								
Dibenzo(a,h)anthracene	ND	0.0417	"								
Dibenzofuran	ND	0.0417	"								
Diethyl phthalate	ND	0.0417	"								
Dimethyl phthalate	ND	0.0417	"								
Di-n-butyl phthalate	ND	0.0417	"								
Di-n-octyl phthalate	ND	0.0417	"								
Fluoranthene	ND	0.0417	"								
Fluorene	ND	0.0417	"								
Hexachlorobenzene	ND	0.0417	"								
Hexachlorobutadiene	ND	0.0417	"								
Hexachlorocyclopentadiene	ND	0.0417	"								
Hexachloroethane	ND	0.0417	"								
Indeno(1,2,3-cd)pyrene	ND	0.0417	"								
Isophorone	ND	0.0417	"								
Naphthalene	ND	0.0417	"								
Nitrobenzene	ND	0.0417	"								
N-Nitrosodimethylamine	ND	0.0417	"								
N-nitroso-di-n-propylamine	ND	0.0417	"								
N-Nitrosodiphenylamine	ND	0.0417	"								
Pentachlorophenol	ND	0.0417	"								
Phenanthrene	ND	0.0417	"								
Phenol	ND	0.0417	"								
Pyrene	ND	0.0417	"								
Surrogate: 2-Fluorophenol	2.21		"	2.51		88.2	20-108				
Surrogate: Phenol-d5	2.17		"	2.51		86.6	23-114				
Surrogate: Nitrobenzene-d5	1.30		"	1.67		77.4	22-108				
Surrogate: 2-Fluorobiphenyl	1.19		"	1.67		70.8	21-113				
Surrogate: 2,4,6-Tribromophenol	1.69		"	2.50		67.4	19-110				
Surrogate: Terphenyl-d14	0.723		"	1.67		43.2	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 BH60767 - EPA 3550C											
LCS (BH60767-BS1)						Prepared & Analyzed: 08/12/2016					
1,1'-Biphenyl	1.18	0.0417	mg/kg wet	1.67		70.9	22-103				
1,2,4,5-Tetrachlorobenzene	1.68	0.0833	"	1.67		101	10-144				
1,2,4-Trichlorobenzene	0.847	0.0417	"	1.67		50.8	23-130				
1,2-Dichlorobenzene	1.07	0.0417	"	1.67		64.4	26-113				
1,2-Diphenylhydrazine (as Azobenzene)	1.33	0.0417	"	1.67		79.7	10-140				
1,3-Dichlorobenzene	1.11	0.0417	"	1.67		66.7	32-113				
1,4-Dichlorobenzene	1.12	0.0417	"	1.67		67.3	28-111				
2,3,4,6-Tetrachlorophenol	0.883	0.0833	"	1.67		53.0	30-130				
2,4,5-Trichlorophenol	0.870	0.0417	"	1.67		52.2	14-138				
2,4,6-Trichlorophenol	0.961	0.0417	"	1.67		57.7	27-122				
2,4-Dichlorophenol	1.05	0.0417	"	1.67		63.2	23-133				
2,4-Dimethylphenol	1.06	0.0417	"	1.67		63.7	15-131				
2,4-Dinitrophenol	1.23	0.0833	"	1.67		73.6	10-149				
2,4-Dinitrotoluene	1.15	0.0417	"	1.67		69.2	30-123				
2,6-Dinitrotoluene	1.24	0.0417	"	1.67		74.7	30-125				
2-Chloronaphthalene	1.08	0.0417	"	1.67		64.6	22-115				
2-Chlorophenol	1.14	0.0417	"	1.67		68.3	25-121				
2-Methylnaphthalene	1.10	0.0417	"	1.67		65.8	16-127				
2-Methylphenol	1.14	0.0417	"	1.67		68.5	10-146				
2-Nitroaniline	1.18	0.0833	"	1.67		70.8	24-126				
2-Nitrophenol	1.06	0.0417	"	1.67		63.8	17-129				
3- & 4-Methylphenols	1.16	0.0417	"	1.67		69.5	20-109				
3,3'-Dichlorobenzidine	1.49	0.0417	"	1.67		89.6	10-147				
3-Nitroaniline	1.50	0.0833	"	1.67		90.3	23-123				
4,6-Dinitro-2-methylphenol	1.04	0.0833	"	1.67		62.2	10-149				
4-Bromophenyl phenyl ether	0.978	0.0417	"	1.67		58.7	30-138				
4-Chloro-3-methylphenol	1.10	0.0417	"	1.67		66.1	16-138				
4-Chloroaniline	0.934	0.0417	"	1.67		56.1	10-117				
4-Chlorophenyl phenyl ether	1.25	0.0417	"	1.67		74.9	18-132				
4-Nitroaniline	ND	0.0833	"	1.67			14-125	Low Bias			
4-Nitrophenol	0.0463	0.0833	"	1.67		2.78	10-136	Low Bias			
Acenaphthene	1.14	0.0417	"	1.67		68.4	17-124				
Acenaphthylene	1.12	0.0417	"	1.67		67.3	16-124				
Acetophenone	1.26	0.0417	"	1.67		75.5	28-105				
Aniline	1.05	0.167	"	1.67		62.9	10-111				
Anthracene	1.15	0.0417	"	1.67		68.8	24-124				
Atrazine	1.08	0.0417	"	1.67		64.5	22-120				
Benzaldehyde	1.18	0.0417	"	1.67		70.7	21-100				
Benzo(a)anthracene	0.833	0.0417	"	1.67		50.0	25-134				
Benzo(a)pyrene	1.03	0.0417	"	1.67		61.7	29-144				
Benzo(b)fluoranthene	0.954	0.0417	"	1.67		57.2	20-151				
Benzo(g,h,i)perylene	1.30	0.0417	"	1.67		77.9	10-153				
Benzo(k)fluoranthene	0.934	0.0417	"	1.67		56.0	10-148				
Benzoic acid	0.802	0.0417	"	1.67		48.1	10-116				
Benzyl alcohol	1.20	0.0417	"	1.67		72.1	17-128				
Benzyl butyl phthalate	1.22	0.0417	"	1.67		73.0	10-132				
Bis(2-chloroethoxy)methane	1.10	0.0417	"	1.67		66.0	10-129				
Bis(2-chloroethyl)ether	1.14	0.0417	"	1.67		68.5	14-125				
Bis(2-chloroisopropyl)ether	1.31	0.0417	"	1.67		78.7	14-122				
Bis(2-ethylhexyl)phthalate	1.34	0.0417	"	1.67		80.7	10-141				
Caprolactam	1.09	0.0833	"	1.67		65.7	10-123				



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 BH60767 - EPA 3550C

LCS (BH60767-BS1)

Prepared & Analyzed: 08/12/2016

Carbazole	ND	0.0417	mg/kg wet	1.67			31-120	Low Bias		
Chrysene	1.04	0.0417	"	1.67		62.2	24-116			
Dibenzo(a,h)anthracene	1.21	0.0417	"	1.67		72.8	17-147			
Dibenzofuran	1.02	0.0417	"	1.67		61.1	23-123			
Diethyl phthalate	1.08	0.0417	"	1.67		64.8	23-122			
Dimethyl phthalate	1.08	0.0417	"	1.67		65.1	28-127			
Di-n-butyl phthalate	1.17	0.0417	"	1.67		70.0	19-123			
Di-n-octyl phthalate	1.17	0.0417	"	1.67		70.2	10-132			
Fluoranthene	1.08	0.0417	"	1.67		65.1	36-125			
Fluorene	1.14	0.0417	"	1.67		68.5	16-130			
Hexachlorobenzene	1.12	0.0417	"	1.67		67.5	10-129			
Hexachlorobutadiene	0.761	0.0417	"	1.67		45.7	22-153			
Hexachlorocyclopentadiene	0.252	0.0417	"	1.67		15.1	10-134			
Hexachloroethane	1.12	0.0417	"	1.67		67.1	20-112			
Indeno(1,2,3-cd)pyrene	1.17	0.0417	"	1.67		70.4	10-155			
Isophorone	1.07	0.0417	"	1.67		64.4	14-131			
Naphthalene	1.10	0.0417	"	1.67		66.1	20-121			
Nitrobenzene	1.10	0.0417	"	1.67		66.2	20-121			
N-Nitrosodimethylamine	1.01	0.0417	"	1.67		60.3	10-124			
N-nitroso-di-n-propylamine	1.16	0.0417	"	1.67		69.4	21-119			
N-Nitrosodiphenylamine	ND	0.0417	"	1.67			10-163	Low Bias		
Pentachlorophenol	0.736	0.0417	"	1.67		44.1	10-143			
Phenanthrene	1.17	0.0417	"	1.67		70.2	24-123			
Phenol	1.14	0.0417	"	1.67		68.6	15-123			
Pyrene	1.13	0.0417	"	1.67		67.9	24-132			
<i>Surrogate: 2-Fluorophenol</i>	<i>1.89</i>		<i>"</i>	<i>2.51</i>		<i>75.3</i>	<i>20-108</i>			
<i>Surrogate: Phenol-d5</i>	<i>1.70</i>		<i>"</i>	<i>2.51</i>		<i>67.7</i>	<i>23-114</i>			
<i>Surrogate: Nitrobenzene-d5</i>	<i>1.09</i>		<i>"</i>	<i>1.67</i>		<i>65.3</i>	<i>22-108</i>			
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>0.956</i>		<i>"</i>	<i>1.67</i>		<i>57.2</i>	<i>21-113</i>			
<i>Surrogate: 2,4,6-Tribromophenol</i>	<i>1.42</i>		<i>"</i>	<i>2.50</i>		<i>56.9</i>	<i>30-130</i>			
<i>Surrogate: Terphenyl-d14</i>	<i>0.810</i>		<i>"</i>	<i>1.67</i>		<i>48.4</i>	<i>24-116</i>			



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 BH60767 - EPA 3550C											
LCS Dup (BH60767-BSD1)						Prepared & Analyzed: 08/12/2016					
1,1'-Biphenyl	1.05	0.0417	mg/kg wet	1.67		62.9	22-103		12.1	30	
1,2,4,5-Tetrachlorobenzene	1.33	0.0833	"	1.67		79.9	10-144		23.2	30	
1,2,4-Trichlorobenzene	0.794	0.0417	"	1.67		47.6	23-130		6.46	30	
1,2-Dichlorobenzene	0.973	0.0417	"	1.67		58.4	26-113		9.84	30	
1,2-Diphenylhydrazine (as Azobenzene)	1.17	0.0417	"	1.67		70.2	10-140		12.7	30	
1,3-Dichlorobenzene	1.03	0.0417	"	1.67		61.7	32-113		7.91	30	
1,4-Dichlorobenzene	1.02	0.0417	"	1.67		61.2	28-111		9.49	30	
2,3,4,6-Tetrachlorophenol	0.752	0.0833	"	1.67		45.1	30-130		16.0	30	
2,4,5-Trichlorophenol	0.834	0.0417	"	1.67		50.0	14-138		4.30	30	
2,4,6-Trichlorophenol	0.869	0.0417	"	1.67		52.2	27-122		10.1	30	
2,4-Dichlorophenol	0.965	0.0417	"	1.67		57.9	23-133		8.79	30	
2,4-Dimethylphenol	0.972	0.0417	"	1.67		58.3	15-131		8.79	30	
2,4-Dinitrophenol	1.04	0.0833	"	1.67		62.5	10-149		16.3	30	
2,4-Dinitrotoluene	1.02	0.0417	"	1.67		61.0	30-123		12.6	30	
2,6-Dinitrotoluene	1.09	0.0417	"	1.67		65.6	30-125		12.9	30	
2-Chloronaphthalene	0.975	0.0417	"	1.67		58.5	22-115		9.91	30	
2-Chlorophenol	1.05	0.0417	"	1.67		62.8	25-121		8.30	30	
2-Methylnaphthalene	1.00	0.0417	"	1.67		60.3	16-127		8.78	30	
2-Methylphenol	1.03	0.0417	"	1.67		61.7	10-146		10.4	30	
2-Nitroaniline	1.06	0.0833	"	1.67		63.3	24-126		11.1	30	
2-Nitrophenol	0.987	0.0417	"	1.67		59.2	17-129		7.41	30	
3- & 4-Methylphenols	1.07	0.0417	"	1.67		64.4	20-109		7.71	30	
3,3'-Dichlorobenzidine	1.41	0.0417	"	1.67		84.6	10-147		5.69	30	
3-Nitroaniline	1.32	0.0833	"	1.67		79.2	23-123		13.1	30	
4,6-Dinitro-2-methylphenol	0.949	0.0833	"	1.67		56.9	10-149		8.80	30	
4-Bromophenyl phenyl ether	0.867	0.0417	"	1.67		52.0	30-138		12.0	30	
4-Chloro-3-methylphenol	0.991	0.0417	"	1.67		59.4	16-138		10.6	30	
4-Chloroaniline	0.855	0.0417	"	1.67		51.3	10-117		8.83	30	
4-Chlorophenyl phenyl ether	1.03	0.0417	"	1.67		61.9	18-132		18.9	30	
4-Nitroaniline	1.22	0.0833	"	1.67		73.3	14-125		200	30	Non-dir.
4-Nitrophenol	0.633	0.0833	"	1.67		38.0	10-136		173	30	Non-dir.
Acenaphthene	1.01	0.0417	"	1.67		60.4	17-124		12.5	30	
Acenaphthylene	1.02	0.0417	"	1.67		61.0	16-124		9.76	30	
Acetophenone	1.15	0.0417	"	1.67		69.0	28-105		8.94	30	
Aniline	0.975	0.167	"	1.67		58.5	10-111		7.22	30	
Anthracene	1.02	0.0417	"	1.67		61.5	24-124		11.1	30	
Atrazine	0.934	0.0417	"	1.67		56.1	22-120		14.1	30	
Benzaldehyde	1.05	0.0417	"	1.67		62.8	21-100		11.7	30	
Benzo(a)anthracene	0.732	0.0417	"	1.67		43.9	25-134		13.0	30	
Benzo(a)pyrene	0.923	0.0417	"	1.67		55.4	29-144		10.7	30	
Benzo(b)fluoranthene	0.871	0.0417	"	1.67		52.2	20-151		9.10	30	
Benzo(g,h,i)perylene	2.26	0.0417	"	1.67		135	10-153		53.9	30	Non-dir.
Benzo(k)fluoranthene	0.859	0.0417	"	1.67		51.6	10-148		8.33	30	
Benzoic acid	0.746	0.0417	"	1.67		44.7	10-116		7.28	30	
Benzyl alcohol	1.07	0.0417	"	1.67		64.4	17-128		11.2	30	
Benzyl butyl phthalate	1.08	0.0417	"	1.67		64.8	10-132		12.0	30	
Bis(2-chloroethoxy)methane	1.03	0.0417	"	1.67		61.7	10-129		6.73	30	
Bis(2-chloroethyl)ether	0.995	0.0417	"	1.67		59.7	14-125		13.8	30	
Bis(2-chloroisopropyl)ether	1.21	0.0417	"	1.67		72.4	14-122		8.36	30	
Bis(2-ethylhexyl)phthalate	1.20	0.0417	"	1.67		72.0	10-141		11.3	30	
Caprolactam	0.0923	0.0833	"	1.67		5.54	10-123	Low Bias	169	30	Non-dir.



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 BH60767 - EPA 3550C

LCS Dup (BH60767-BSD1)

Prepared & Analyzed: 08/12/2016

Carbazole	ND	0.0417	mg/kg wet	1.67			31-120	Low Bias		30	
Chrysene	0.919	0.0417	"	1.67		55.1	24-116		12.1	30	
Dibenzo(a,h)anthracene	1.08	0.0417	"	1.67		64.9	17-147		11.5	30	
Dibenzofuran	0.918	0.0417	"	1.67		55.1	23-123		10.4	30	
Diethyl phthalate	0.964	0.0417	"	1.67		57.9	23-122		11.3	30	
Dimethyl phthalate	0.971	0.0417	"	1.67		58.2	28-127		11.1	30	
Di-n-butyl phthalate	1.04	0.0417	"	1.67		62.5	19-123		11.4	30	
Di-n-octyl phthalate	1.05	0.0417	"	1.67		62.7	10-132		11.3	30	
Fluoranthene	0.972	0.0417	"	1.67		58.3	36-125		10.9	30	
Fluorene	1.00	0.0417	"	1.67		60.1	16-130		13.1	30	
Hexachlorobenzene	1.00	0.0417	"	1.67		60.1	10-129		11.6	30	
Hexachlorobutadiene	0.715	0.0417	"	1.67		42.9	22-153		6.28	30	
Hexachlorocyclopentadiene	0.239	0.0417	"	1.67		14.4	10-134		5.02	30	
Hexachloroethane	1.03	0.0417	"	1.67		61.8	20-112		8.29	30	
Indeno(1,2,3-cd)pyrene	1.02	0.0417	"	1.67		61.3	10-155		13.8	30	
Isophorone	0.994	0.0417	"	1.67		59.6	14-131		7.67	30	
Naphthalene	1.03	0.0417	"	1.67		61.6	20-121		7.17	30	
Nitrobenzene	1.01	0.0417	"	1.67		60.9	20-121		8.37	30	
N-Nitrosodimethylamine	0.970	0.0417	"	1.67		58.2	10-124		3.54	30	
N-nitroso-di-n-propylamine	1.05	0.0417	"	1.67		62.7	21-119		10.1	30	
N-Nitrosodiphenylamine	ND	0.0417	"	1.67			10-163	Low Bias		30	
Pentachlorophenol	0.596	0.0417	"	1.67		35.8	10-143		20.9	30	
Phenanthrene	1.06	0.0417	"	1.67		63.3	24-123		10.3	30	
Phenol	1.05	0.0417	"	1.67		63.1	15-123		8.26	30	
Pyrene	0.978	0.0417	"	1.67		58.7	24-132		14.6	30	
Surrogate: 2-Fluorophenol	1.63		"	2.51		65.2	20-108				
Surrogate: Phenol-d5	1.46		"	2.51		58.1	23-114				
Surrogate: Nitrobenzene-d5	0.958		"	1.67		57.3	22-108				
Surrogate: 2-Fluorobiphenyl	0.832		"	1.67		49.7	21-113				
Surrogate: 2,4,6-Tribromophenol	1.23		"	2.50		49.3	30-130				
Surrogate: Terphenyl-d14	0.688		"	1.67		41.1	24-116				



Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BH60555 - EPA 3550C

Blank (BH60555-BLK1)

Prepared & Analyzed: 08/09/2016

4,4'-DDD	ND	0.000330	mg/kg wet								
4,4'-DDE	ND	0.000330	"								
4,4'-DDT	ND	0.000330	"								
Aldrin	ND	0.000330	"								
alpha-BHC	ND	0.000330	"								
alpha-Chlordane	ND	0.000330	"								
beta-BHC	ND	0.000330	"								
Chlordane, total	ND	0.0132	"								
delta-BHC	ND	0.000330	"								
Dieldrin	ND	0.000330	"								
Endosulfan I	ND	0.000330	"								
Endosulfan II	ND	0.000330	"								
Endosulfan sulfate	ND	0.000330	"								
Endrin	ND	0.000330	"								
Endrin aldehyde	ND	0.000330	"								
Endrin ketone	ND	0.000330	"								
gamma-BHC (Lindane)	ND	0.000330	"								
gamma-Chlordane	ND	0.000330	"								
Heptachlor	ND	0.000330	"								
Heptachlor epoxide	ND	0.000330	"								
Methoxychlor	ND	0.00165	"								
Toxaphene	ND	0.0167	"								
<i>Surrogate: Tetrachloro-m-xylene</i>	0.0706		"	0.0667		106	30-140				
<i>Surrogate: Decachlorobiphenyl</i>	0.0647		"	0.0667		97.0	30-140				

LCS (BH60555-BS1)

Prepared & Analyzed: 08/09/2016

4,4'-DDD	0.0360	0.000330	mg/kg wet	0.0333		108	40-140				
4,4'-DDE	0.0275	0.000330	"	0.0333		82.4	40-140				
4,4'-DDT	0.0325	0.000330	"	0.0333		97.5	40-140				
Aldrin	0.0288	0.000330	"	0.0333		86.3	40-140				
alpha-BHC	0.0347	0.000330	"	0.0333		104	40-140				
alpha-Chlordane	0.0279	0.000330	"	0.0333		83.8	40-140				
beta-BHC	0.0332	0.000330	"	0.0333		99.7	40-140				
delta-BHC	0.0337	0.000330	"	0.0333		101	40-140				
Dieldrin	0.0303	0.000330	"	0.0333		90.8	40-140				
Endosulfan I	0.0308	0.000330	"	0.0333		92.4	40-140				
Endosulfan II	0.0325	0.000330	"	0.0333		97.5	40-140				
Endosulfan sulfate	0.0341	0.000330	"	0.0333		102	40-140				
Endrin	0.0324	0.000330	"	0.0333		97.3	40-140				
Endrin aldehyde	0.0314	0.000330	"	0.0333		94.1	40-140				
Endrin ketone	0.0343	0.000330	"	0.0333		103	40-140				
gamma-BHC (Lindane)	0.0326	0.000330	"	0.0333		97.9	40-140				
gamma-Chlordane	0.0281	0.000330	"	0.0333		84.2	40-140				
Heptachlor	0.0280	0.000330	"	0.0333		84.0	40-140				
Heptachlor epoxide	0.0284	0.000330	"	0.0333		85.1	40-140				
Methoxychlor	0.0332	0.00165	"	0.0333		99.6	40-140				
<i>Surrogate: Tetrachloro-m-xylene</i>	0.0551		"	0.0667		82.6	30-140				
<i>Surrogate: Decachlorobiphenyl</i>	0.0537		"	0.0667		80.5	30-140				



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 BH60555 - EPA 3550C

LCS Dup (BH60555-BSD1)

Prepared & Analyzed: 08/09/2016

4,4'-DDD	0.0387	0.000330	mg/kg wet	0.0333		116	40-140		7.35	30	
4,4'-DDE	0.0328	0.000330	"	0.0333		98.3	40-140		17.6	30	
4,4'-DDT	0.0375	0.000330	"	0.0333		113	40-140		14.4	30	
Aldrin	0.0333	0.000330	"	0.0333		100	40-140		14.8	30	
alpha-BHC	0.0386	0.000330	"	0.0333		116	40-140		10.6	30	
alpha-Chlordane	0.0321	0.000330	"	0.0333		96.4	40-140		14.0	30	
beta-BHC	0.0381	0.000330	"	0.0333		114	40-140		13.6	30	
delta-BHC	0.0390	0.000330	"	0.0333		117	40-140		14.5	30	
Dieldrin	0.0351	0.000330	"	0.0333		105	40-140		15.0	30	
Endosulfan I	0.0347	0.000330	"	0.0333		104	40-140		11.8	30	
Endosulfan II	0.0367	0.000330	"	0.0333		110	40-140		12.1	30	
Endosulfan sulfate	0.0388	0.000330	"	0.0333		116	40-140		12.9	30	
Endrin	0.0378	0.000330	"	0.0333		113	40-140		15.4	30	
Endrin aldehyde	0.0360	0.000330	"	0.0333		108	40-140		13.8	30	
Endrin ketone	0.0386	0.000330	"	0.0333		116	40-140		11.9	30	
gamma-BHC (Lindane)	0.0366	0.000330	"	0.0333		110	40-140		11.6	30	
gamma-Chlordane	0.0323	0.000330	"	0.0333		96.9	40-140		14.0	30	
Heptachlor	0.0321	0.000330	"	0.0333		96.2	40-140		13.5	30	
Heptachlor epoxide	0.0330	0.000330	"	0.0333		99.0	40-140		15.2	30	
Methoxychlor	0.0380	0.00165	"	0.0333		114	40-140		13.4	30	
Surrogate: Tetrachloro-m-xylene	0.0584		"	0.0667		87.5	30-140				
Surrogate: Decachlorobiphenyl	0.0577		"	0.0667		86.6	30-140				

Batch BH60656 - EPA SW846-3510C Low Level

Blank (BH60656-BLK1)

Prepared: 08/10/2016 Analyzed: 08/12/2016

4,4'-DDD	ND	0.00400	ug/L								
4,4'-DDE	ND	0.00400	"								
4,4'-DDT	ND	0.00400	"								
Aldrin	ND	0.00400	"								
alpha-BHC	ND	0.00400	"								
alpha-Chlordane	ND	0.00400	"								
beta-BHC	ND	0.00400	"								
Chlordane, total	ND	0.0400	"								
delta-BHC	ND	0.00400	"								
Dieldrin	ND	0.00200	"								
Endosulfan I	ND	0.00400	"								
Endosulfan II	ND	0.00400	"								
Endosulfan sulfate	ND	0.00400	"								
Endrin	ND	0.00400	"								
Endrin aldehyde	ND	0.0100	"								
Endrin ketone	ND	0.0100	"								
gamma-BHC (Lindane)	ND	0.00400	"								
gamma-Chlordane	ND	0.0100	"								
Heptachlor	ND	0.00400	"								
Heptachlor epoxide	ND	0.00400	"								
Methoxychlor	ND	0.00400	"								
Toxaphene	ND	0.100	"								
Surrogate: Tetrachloro-m-xylene	0.161		"	0.200		80.3	30-120				
Surrogate: Decachlorobiphenyl	0.165		"	0.200		82.4	30-120				



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 BH60656 - EPA SW846-3510C Low Level

LCS (BH60656-BS1)

Prepared: 08/10/2016 Analyzed: 08/12/2016

4,4'-DDD	0.109	0.00400	ug/L	0.100		109	40-120				
4,4'-DDE	0.0941	0.00400	"	0.100		94.1	40-120				
4,4'-DDT	0.101	0.00400	"	0.100		101	40-120				
Aldrin	0.0827	0.00400	"	0.100		82.7	40-120				
alpha-BHC	0.0926	0.00400	"	0.100		92.6	40-120				
alpha-Chlordane	0.0812	0.00400	"	0.100		81.2	40-120				
beta-BHC	0.0881	0.00400	"	0.100		88.1	40-120				
delta-BHC	0.0945	0.00400	"	0.100		94.5	40-120				
Dieldrin	0.0852	0.00200	"	0.100		85.2	40-120				
Endosulfan I	0.0838	0.00400	"	0.100		83.8	40-120				
Endosulfan II	0.0863	0.00400	"	0.100		86.3	40-120				
Endosulfan sulfate	0.0892	0.00400	"	0.100		89.2	40-120				
Endrin	0.0880	0.00400	"	0.100		88.0	40-120				
Endrin aldehyde	0.0780	0.0100	"	0.100		78.0	40-120				
Endrin ketone	0.0861	0.0100	"	0.100		86.1	40-120				
gamma-BHC (Lindane)	0.0917	0.00400	"	0.100		91.7	40-120				
gamma-Chlordane	0.0815	0.0100	"	0.100		81.5	40-120				
Heptachlor	0.0789	0.00400	"	0.100		78.9	40-120				
Heptachlor epoxide	0.0790	0.00400	"	0.100		79.0	40-120				
Methoxychlor	0.111	0.00400	"	0.100		111	40-120				
Surrogate: Tetrachloro-m-xylene	0.148		"	0.200		74.1	30-120				
Surrogate: Decachlorobiphenyl	0.159		"	0.200		79.7	30-120				

LCS Dup (BH60656-BS1)

Prepared: 08/10/2016 Analyzed: 08/12/2016

4,4'-DDD	0.110	0.00400	ug/L	0.100		110	40-120		1.30	30	
4,4'-DDE	0.0985	0.00400	"	0.100		98.5	40-120		4.56	30	
4,4'-DDT	0.103	0.00400	"	0.100		103	40-120		1.16	30	
Aldrin	0.0878	0.00400	"	0.100		87.8	40-120		5.88	30	
alpha-BHC	0.0982	0.00400	"	0.100		98.2	40-120		5.89	30	
alpha-Chlordane	0.0853	0.00400	"	0.100		85.3	40-120		4.97	30	
beta-BHC	0.0933	0.00400	"	0.100		93.3	40-120		5.71	30	
delta-BHC	0.100	0.00400	"	0.100		100	40-120		5.95	30	
Dieldrin	0.0897	0.00200	"	0.100		89.7	40-120		5.12	30	
Endosulfan I	0.0875	0.00400	"	0.100		87.5	40-120		4.41	30	
Endosulfan II	0.0891	0.00400	"	0.100		89.1	40-120		3.23	30	
Endosulfan sulfate	0.0906	0.00400	"	0.100		90.6	40-120		1.59	30	
Endrin	0.0918	0.00400	"	0.100		91.8	40-120		4.23	30	
Endrin aldehyde	0.0793	0.0100	"	0.100		79.3	40-120		1.54	30	
Endrin ketone	0.0869	0.0100	"	0.100		86.9	40-120		0.852	30	
gamma-BHC (Lindane)	0.0971	0.00400	"	0.100		97.1	40-120		5.77	30	
gamma-Chlordane	0.0859	0.0100	"	0.100		85.9	40-120		5.34	30	
Heptachlor	0.0839	0.00400	"	0.100		83.9	40-120		6.11	30	
Heptachlor epoxide	0.0837	0.00400	"	0.100		83.7	40-120		5.77	30	
Methoxychlor	0.111	0.00400	"	0.100		111	40-120		0.462	30	
Surrogate: Tetrachloro-m-xylene	0.156		"	0.200		77.8	30-120				
Surrogate: Decachlorobiphenyl	0.160		"	0.200		80.2	30-120				



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 Y6H1018 - BH60555

Performance Mix (Y6H1018-PEM1)

Prepared & Analyzed: 08/09/2016

4,4'-DDD	0.00		ng/mL	0.00			0-200			
4,4'-DDE	0.454		"	0.00			0-200			
4,4'-DDT	112		"	200		56.1	0-200			
Endrin	86.6		"	100		86.6	0-200			
Endrin aldehyde	1.04		"	0.00			0-200			
Endrin ketone	3.01		"	0.00			0-200			

Performance Mix (Y6H1018-PEM2)

Prepared & Analyzed: 08/09/2016

4,4'-DDD	0.00		ng/mL	0.00			0-200			
4,4'-DDE	1.16		"	0.00			0-200			
4,4'-DDT	138		"	200		68.8	0-200			
Endrin	98.9		"	100		98.9	0-200			
Endrin aldehyde	1.02		"	0.00			0-200			
Endrin ketone	3.44		"	0.00			0-200			

Batch Y6H1114 - BH60555

Performance Mix (Y6H1114-PEM1)

Prepared & Analyzed: 08/10/2016

4,4'-DDD	0.00		ng/mL	0.00			0-200			
4,4'-DDE	1.02		"	0.00			0-200			
4,4'-DDT	112		"	200		55.8	0-200			
Endrin	84.1		"	100		84.1	0-200			
Endrin aldehyde	1.34		"	0.00			0-200			
Endrin ketone	4.03		"	0.00			0-200			

Batch Y6H1529 - BG60996

Performance Mix (Y6H1529-PEM1)

Prepared & Analyzed: 08/12/2016

4,4'-DDD	0.00		ng/mL	0.00			0-200			
4,4'-DDE	1.45		"	0.00			0-200			
4,4'-DDT	183		"	200		91.7	0-200			
Endrin	113		"	100		113	0-200			
Endrin aldehyde	1.00		"	0.00			0-200			
Endrin ketone	2.90		"	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 Y6H1529 - BG60996

Performance Mix (Y6H1529-PEM2)

Prepared & Analyzed: 08/12/2016

4,4'-DDD	0.00		ng/mL	0.00			0-200			
4,4'-DDE	1.34		"	0.00			0-200			
4,4'-DDT	232		"	200		116	0-200			
Endrin	133		"	100		133	0-200			
Endrin aldehyde	1.17		"	0.00			0-200			
Endrin ketone	3.04		"	0.00			0-200			

Performance Mix (Y6H1529-PEM3)

Prepared: 08/12/2016 Analyzed: 08/13/2016

4,4'-DDD	0.00		ng/mL	0.00			0-200			
4,4'-DDE	1.58		"	0.00			0-200			
4,4'-DDT	235		"	200		117	0-200			
Endrin	136		"	100		136	0-200			
Endrin aldehyde	1.26		"	0.00			0-200			
Endrin ketone	3.57		"	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 BH60523 - EPA SW846-3510C Low Level

Blank (BH60523-BLK2)

Prepared & Analyzed: 08/09/2016

Aroclor 1016	ND	0.0500	ug/L								
Aroclor 1221	ND	0.0500	"								
Aroclor 1232	ND	0.0500	"								
Aroclor 1242	ND	0.0500	"								
Aroclor 1248	ND	0.0500	"								
Aroclor 1254	ND	0.0500	"								
Aroclor 1260	ND	0.0500	"								
Total PCBs	ND	0.0500	"								
Surrogate: Tetrachloro-m-xylene	0.0600		"	0.200		30.0	30-120				
Surrogate: Decachlorobiphenyl	0.0740		"	0.200		37.0	30-120				

LCS (BH60523-BS2)

Prepared & Analyzed: 08/09/2016

Aroclor 1016	0.456	0.0500	ug/L	1.00		45.6	40-120				
Aroclor 1260	0.433	0.0500	"	1.00		43.3	40-120				
Surrogate: Tetrachloro-m-xylene	0.0700		"	0.200		35.0	30-120				
Surrogate: Decachlorobiphenyl	0.0800		"	0.200		40.0	30-120				

LCS Dup (BH60523-BS2)

Prepared & Analyzed: 08/09/2016

Aroclor 1016	0.436	0.0500	ug/L	1.00		43.6	40-120	4.44	30		
Aroclor 1260	0.420	0.0500	"	1.00		42.0	40-120	2.96	30		
Surrogate: Tetrachloro-m-xylene	0.0660		"	0.200		33.0	30-120				
Surrogate: Decachlorobiphenyl	0.0770		"	0.200		38.5	30-120				

Batch BH60555 - EPA 3550C

Blank (BH60555-BLK2)

Prepared: 08/09/2016 Analyzed: 08/11/2016

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	0.0773		"	0.0667		116	30-140				
Surrogate: Decachlorobiphenyl	0.0727		"	0.0667		109	30-140				



Polychlorinated Biphenyls by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BH60555 - EPA 3550C

LCS (BH60555-BS2)

Prepared: 08/09/2016 Analyzed: 08/11/2016

Aroclor 1016	0.342	0.0167	mg/kg wet	0.333		103	40-130				
Aroclor 1260	0.321	0.0167	"	0.333		96.4	40-130				
Surrogate: Tetrachloro-m-xylene	0.0567		"	0.0667		85.0	30-140				
Surrogate: Decachlorobiphenyl	0.0583		"	0.0667		87.5	30-140				

LCS Dup (BH60555-BSD2)

Prepared: 08/09/2016 Analyzed: 08/11/2016

Aroclor 1016	0.383	0.0167	mg/kg wet	0.333		115	40-130		11.2	25	
Aroclor 1260	0.369	0.0167	"	0.333		111	40-130		13.8	25	
Surrogate: Tetrachloro-m-xylene	0.0697		"	0.0667		104	30-140				
Surrogate: Decachlorobiphenyl	0.0627		"	0.0667		94.0	30-140				



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 BH60570 - EPA 3050B

Blank (BH60570-BLK1)

Prepared: 08/09/2016 Analyzed: 08/10/2016

Aluminum	17.5	5.00	mg/kg wet
Antimony	ND	0.500	"
Arsenic	ND	1.00	"
Barium	ND	1.00	"
Beryllium	ND	0.100	"
Cadmium	ND	0.300	"
Calcium	ND	5.00	"
Chromium	ND	0.500	"
Cobalt	ND	0.500	"
Copper	ND	0.500	"
Iron	ND	2.00	"
Lead	ND	0.300	"
Magnesium	ND	5.00	"
Manganese	ND	0.500	"
Nickel	ND	0.500	"
Potassium	ND	5.00	"
Selenium	ND	1.00	"
Silver	ND	0.500	"
Sodium	ND	10.0	"
Thallium	ND	1.00	"
Vanadium	ND	1.00	"
Zinc	ND	1.00	"

Reference (BH60570-SRM1)

Prepared: 08/09/2016 Analyzed: 08/10/2016

Aluminum	9390	5.00	mg/kg wet	8740	107	41.6-157.9
Antimony	121	0.500	"	108	112	22.9-254.6
Arsenic	131	1.00	"	151	86.8	70.9-129.8
Barium	232	1.00	"	262	88.5	73.7-126.3
Beryllium	120	0.100	"	133	89.9	75.1-124.8
Cadmium	126	0.300	"	152	83.1	73-126.3
Calcium	5520	5.00	"	6400	86.3	73.9-125.9
Chromium	109	0.500	"	117	93.2	69.6-129.9
Cobalt	63.8	0.500	"	68.7	92.8	74.4-125.8
Copper	84.0	0.500	"	68.6	122	73.2-129.2
Iron	12400	2.00	"	12300	100	30.5-169.9
Lead	204	0.300	"	254	80.3	75.5-124.8
Magnesium	3220	5.00	"	3600	89.4	68.3-131.6
Manganese	510	0.500	"	563	90.5	77.4-122.5
Nickel	291	0.500	"	315	92.3	74.3-126.6
Potassium	2860	5.00	"	3040	94.1	62.5-137.2
Selenium	144	1.00	"	162	88.7	67.3-132.1
Silver	36.6	0.500	"	44.3	82.6	66.4-133.8
Sodium	650	10.0	"	746	87.2	56.8-143.4
Thallium	190	1.00	"	259	73.3	69.5-130.5
Vanadium	109	1.00	"	116	94.0	59.7-139.7
Zinc	269	1.00	"	306	87.8	69-131.5



Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BH60650 - EPA 3015A

Blank (BH60650-BLK1)

Prepared & Analyzed: 08/10/2016

Aluminum	ND	50.0	ug/L
Barium	ND	10.0	"
Calcium	ND	50.0	"
Chromium	ND	5.00	"
Copper	ND	3.00	"
Iron	ND	20.0	"
Lead	ND	3.00	"
Magnesium	ND	50.0	"
Manganese	ND	5.00	"
Nickel	ND	5.00	"
Potassium	ND	50.0	"
Selenium	ND	10.0	"
Silver	ND	5.00	"
Sodium	ND	100	"
Vanadium	ND	10.0	"
Zinc	ND	10.0	"

Reference (BH60650-SRM1)

Prepared & Analyzed: 08/10/2016

Aluminum	0.547	ug/mL	0.480	114	79.1-121.5
Barium	0.392	"	0.400	98.1	85-115
Calcium	100	"	107	93.7	86-114
Chromium	0.221	"	0.220	101	85-115
Copper	0.812	"	0.760	107	85-115
Iron	0.894	"	0.900	99.3	85-115
Lead	0.792	"	0.840	94.3	85-115
Magnesium	18.0	"	17.9	101	86-114
Manganese	1.18	"	1.20	98.7	85-115
Nickel	0.590	"	0.600	98.4	87.5-113.3
Potassium	28.4	"	29.1	97.7	84.9-115
Selenium	0.679	"	0.720	94.3	85-115
Silver	0.712	"	0.829	85.9	85-114.9
Sodium	94.3	"	99.8	94.5	85-115
Vanadium	0.209	"	0.220	94.9	85-115
Zinc	0.577	"	0.580	99.6	85-115



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 BH60729 - EPA 3015A

Blank (BH60729-BLK1)

Prepared & Analyzed: 08/11/2016

Aluminum - Dissolved	ND	50.0	ug/L
Barium - Dissolved	ND	10.0	"
Calcium - Dissolved	ND	50.0	"
Chromium - Dissolved	ND	5.00	"
Copper - Dissolved	ND	3.00	"
Iron - Dissolved	ND	20.0	"
Lead - Dissolved	ND	3.00	"
Magnesium - Dissolved	ND	50.0	"
Manganese - Dissolved	ND	5.00	"
Nickel - Dissolved	ND	5.00	"
Potassium - Dissolved	ND	50.0	"
Selenium - Dissolved	ND	10.0	"
Silver - Dissolved	ND	5.00	"
Sodium - Dissolved	ND	100	"
Vanadium - Dissolved	ND	10.0	"
Zinc - Dissolved	ND	10.0	"

Reference (BH60729-SRM1)

Prepared & Analyzed: 08/11/2016

Aluminum - Dissolved	0.548	ug/mL	0.480	114	79.1-121.5
Barium - Dissolved	0.413	"	0.400	103	85-115
Calcium - Dissolved	106	"	107	99.2	86-114
Chromium - Dissolved	0.232	"	0.220	105	85-115
Copper - Dissolved	0.863	"	0.760	114	85-115
Iron - Dissolved	0.916	"	0.900	102	85-115
Lead - Dissolved	0.850	"	0.840	101	85-115
Magnesium - Dissolved	18.4	"	17.9	103	86-114
Manganese - Dissolved	1.26	"	1.20	105	85-115
Nickel - Dissolved	0.622	"	0.600	104	87.5-113.3
Potassium - Dissolved	29.1	"	29.1	99.9	84.9-115
Selenium - Dissolved	0.732	"	0.720	102	85-115
Silver - Dissolved	0.833	"	0.829	100	85-114.9
Sodium - Dissolved	99.7	"	99.8	99.9	85-115
Vanadium - Dissolved	0.220	"	0.220	99.9	85-115
Zinc - Dissolved	0.600	"	0.580	104	85-115



Metals by ICP/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BH60803 - EPA 3015A

Blank (BH60803-BLK1)

Prepared: 08/12/2016 Analyzed: 08/14/2016

Antimony	ND	1.00	ug/L
Arsenic	ND	1.00	"
Beryllium	ND	0.300	"
Cadmium	ND	0.500	"
Molybdenum	ND	1.00	"
Thallium	ND	1.00	"

Duplicate (BH60803-DUP1)

*Source sample: 16H0404-07 (TW-1)

Prepared: 08/12/2016 Analyzed: 08/14/2016

Antimony	ND	2.22	ug/L	ND	20
Arsenic	ND	2.22	"	ND	20
Beryllium	ND	0.667	"	ND	20
Cadmium	ND	1.11	"	ND	20
Molybdenum	3.02	2.22	"	3.31	9.12 20
Thallium	ND	2.22	"	ND	20

Matrix Spike (BH60803-MS1)

*Source sample: 16H0404-07 (TW-1)

Prepared: 08/12/2016 Analyzed: 08/14/2016

Antimony	235	2.22	ug/L	222	ND	106	75-125	High Bias
Arsenic	114	2.22	"	111	ND	102	75-125	
Beryllium	75.9	0.667	"	55.6	ND	137	75-125	
Cadmium	57.1	1.11	"	55.6	ND	103	75-125	
Molybdenum	119	2.22	"	111	3.31	104	75-125	
Thallium	55.3	2.22	"	55.6	ND	99.6	75-125	

Reference (BH60803-SRM1)

Prepared: 08/12/2016 Analyzed: 08/14/2016

Antimony	39.5	1.00	ug/L	35.9	110	69.9-130.1	High Bias
Arsenic	43.4	1.00	"	41.6	104	69.9-130	
Beryllium	4.65	0.300	"	3.62	128	85.1-114.9	
Cadmium	44.2	0.500	"	43.0	103	80-120	
Molybdenum	57.6	1.00	"	60.5	95.3	84.9-115	
Thallium	8.33	1.00	"	8.04	104	70-130.5	



Metals by ICP/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BH60804 - EPA 3015A

Blank (BH60804-BLK1)

Prepared: 08/12/2016 Analyzed: 08/14/2016

Antimony - Dissolved	ND	1.00	ug/L
Arsenic - Dissolved	ND	1.00	"
Beryllium - Dissolved	ND	0.100	"
Cadmium - Dissolved	ND	0.500	"
Molybdenum - Dissolved	ND	1.00	"
Thallium - Dissolved	ND	1.00	"

Duplicate (BH60804-DUP1)

*Source sample: 16H0404-07 (TW-1)

Prepared: 08/12/2016 Analyzed: 08/14/2016

Antimony - Dissolved	ND	2.22	ug/L	ND	20
Arsenic - Dissolved	ND	2.22	"	ND	20
Beryllium - Dissolved	ND	0.222	"	ND	20
Cadmium - Dissolved	ND	1.11	"	ND	20
Molybdenum - Dissolved	2.38	2.22	"	2.58	8.07 20
Thallium - Dissolved	ND	2.22	"	ND	20

Matrix Spike (BH60804-MS1)

*Source sample: 16H0404-07 (TW-1)

Prepared: 08/12/2016 Analyzed: 08/14/2016

Antimony - Dissolved	223	2.22	ug/L	222	ND	100	75-125	High Bias
Arsenic - Dissolved	116	2.22	"	111	ND	105	75-125	
Beryllium - Dissolved	71.6	0.222	"	55.6	ND	129	75-125	
Cadmium - Dissolved	53.3	1.11	"	55.6	ND	95.9	75-125	
Molybdenum - Dissolved	117	2.22	"	111	2.58	103	75-125	
Thallium - Dissolved	52.6	2.22	"	55.6	ND	94.7	75-125	

Reference (BH60804-SRM1)

Prepared: 08/12/2016 Analyzed: 08/14/2016

Antimony - Dissolved	38.6	1.00	ug/L	35.9	108	69.9-130.1	High Bias
Arsenic - Dissolved	44.1	1.00	"	41.6	106	69.9-130	
Beryllium - Dissolved	4.54	0.100	"	3.62	125	85.1-114.9	
Cadmium - Dissolved	43.6	0.500	"	43.0	101	80-120	
Molybdenum - Dissolved	58.8	1.00	"	60.5	97.1	84.9-115	
Thallium - Dissolved	8.17	1.00	"	8.04	102	70-130.5	



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 BH60606 - EPA 7473 soil

Blank (BH60606-BLK1)

Prepared & Analyzed: 08/10/2016

Mercury	ND	0.0300	mg/kg wet

Reference (BH60606-SRM1)

Prepared & Analyzed: 08/10/2016

Mercury	6.2950		mg/kg	5.76		109	71.2-129

Batch BH60859 - EPA 7473 water

Blank (BH60859-BLK1)

Prepared & Analyzed: 08/15/2016

Mercury - Dissolved	ND	0.20	ug/L

Mercury	ND	0.00020	mg/L

Reference (BH60859-SRM1)

Prepared & Analyzed: 08/15/2016

Mercury	0.00164		mg/kg	0.00230		71.2	61.3-135

Mercury - Dissolved	0.0016382		mg/L	0.00230		71.2	61.3-135



Wet Chemistry Parameters - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BH60872 - Analysis Preparation Soil

Blank (BH60872-BLK1)

Prepared & Analyzed: 08/15/2016

Cyanide, total ND 0.500 mg/kg wet

Reference (BH60872-SRM1)

Prepared & Analyzed: 08/15/2016

Cyanide, total 73.5 ug/mL 53.9 136 37.5-163.7

Batch BH60874 - EPA SW846-3060

Blank (BH60874-BLK1)

Prepared & Analyzed: 08/15/2016

Chromium, Hexavalent ND 0.500 mg/kg wet

Reference (BH60874-SRM1)

Prepared & Analyzed: 08/15/2016

Chromium, Hexavalent 64.4 mg/L 108 59.6 29.8-206



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
16H0404-01	SB-1 (1'-2')	40mL Vial with Stir Bar-Cool 4° C
16H0404-02	SB-1 (8'-9')	40mL Vial with Stir Bar-Cool 4° C
16H0404-03	SB-2 (1'-2')	40mL Vial with Stir Bar-Cool 4° C
16H0404-04	SB-2 (8'-9')	40mL Vial with Stir Bar-Cool 4° C
16H0404-05	SB-5 (1'-2')	40mL Vial with Stir Bar-Cool 4° C
16H0404-06	SB-5 (12'-13')	40mL Vial with Stir Bar-Cool 4° C
16H0404-07	TW-1	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
16H0404-08	Trip Blank	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



Notes and Definitions

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.
M-MISpk	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The SRM was within acceptance limits, therefore data are acceptable.
M-HCSpk	Sample conc. >10 X spike conc.
M-ACCB	Analyte in CCB. Run is bracketed by acceptable CCBs.
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.
GC-Surr	Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the alternate surrogate.
GC-SCu	This surrogate recovered below control limits due to extract clean-up required. The alternate surrogate, Decachlorobiphenyl is within control limits.
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.
*	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
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. 166404

[illegible]



Technical Report

prepared for:

AKRF, Inc.
440 Park Avenue South, 7th Floor
New York NY, 10016
Attention: Patrick Diggins

Report Date: 08/12/2016
Client Project ID: 1678 & 1700 Park Avenue
York Project (SDG) No.: 16H0405

CT Cert. No. PH-0723

New Jersey Cert. No. CT-005



New York Cert. No. 10854

PA Cert. No. 68-04440

Report Date: 08/12/2016
Client Project ID: 1678 & 1700 Park Avenue
York Project (SDG) No.: 16H0405

AKRF, Inc.
440 Park Avenue South, 7th Floor
New York NY, 10016
Attention: Patrick Diggins

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on August 08, 2016 and listed below. The project was identified as your project: **1678 & 1700 Park Avenue**.

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 Notes 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 attachment to 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>
16H0405-01	SV-1	Soil Vapor	08/08/2016	08/08/2016
16H0405-02	SV-2	Soil Vapor	08/08/2016	08/08/2016
16H0405-03	SV-4	Soil Vapor	08/08/2016	08/08/2016

General Notes for York Project (SDG) No.: 16H0405

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 samples were received in proper condition for analysis with proper documentation, unless otherwise noted.
6. All analyses conducted met method or Laboratory SOP requirements. See the Qualifiers and/or Narrative sections for further information.
7. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
8. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.

Approved By:



Benjamin Gulizia
Laboratory Director

Date: 08/12/2016





Sample Information

Client Sample ID: SV-1

York Sample ID: 16H0405-01

York Project (SDG) No.

16H0405

Client Project ID

1678 & 1700 Park Avenue

Matrix

Soil Vapor

Collection Date/Time

August 8, 2016 3:00 pm

Date Received

08/08/2016

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	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	16	16	23	EPA TO-15 Certifications:	08/11/2016 10:29	08/11/2016 15:36	LDS
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	13	13	23	EPA TO-15 Certifications:	08/11/2016 10:29	08/11/2016 15:36	LDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	16	16	23	EPA TO-15 Certifications:	08/11/2016 10:29	08/11/2016 15:36	LDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	18	18	23	EPA TO-15 Certifications:	08/11/2016 10:29	08/11/2016 15:36	LDS
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	13	13	23	EPA TO-15 Certifications:	08/11/2016 10:29	08/11/2016 15:36	LDS
75-34-3	1,1-Dichloroethane	ND		ug/m ³	9.3	9.3	23	EPA TO-15 Certifications:	08/11/2016 10:29	08/11/2016 15:36	LDS
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	9.1	9.1	23	EPA TO-15 Certifications:	08/11/2016 10:29	08/11/2016 15:36	LDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	17	17	23	EPA TO-15 Certifications:	08/11/2016 10:29	08/11/2016 15:36	LDS
95-63-6	1,2,4-Trimethylbenzene	68		ug/m ³	11	11	23	EPA TO-15 Certifications:	08/11/2016 10:29	08/11/2016 15:36	LDS
106-93-4	1,2-Dibromoethane	ND		ug/m ³	18	18	23	EPA TO-15 Certifications:	08/11/2016 10:29	08/11/2016 15:36	LDS
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	14	14	23	EPA TO-15 Certifications:	08/11/2016 10:29	08/11/2016 15:36	LDS
107-06-2	1,2-Dichloroethane	ND		ug/m ³	9.3	9.3	23	EPA TO-15 Certifications:	08/11/2016 10:29	08/11/2016 15:36	LDS
78-87-5	1,2-Dichloropropane	ND		ug/m ³	11	11	23	EPA TO-15 Certifications:	08/11/2016 10:29	08/11/2016 15:36	LDS
76-14-2	1,2-Dichlorotetrafluoroethane	19		ug/m ³	16	16	23	EPA TO-15 Certifications:	08/11/2016 10:29	08/11/2016 15:36	LDS
108-67-8	1,3,5-Trimethylbenzene	21		ug/m ³	11	11	23	EPA TO-15 Certifications:	08/11/2016 10:29	08/11/2016 15:36	LDS
106-99-0	1,3-Butadiene	ND		ug/m ³	15	15	23	EPA TO-15 Certifications:	08/11/2016 10:29	08/11/2016 15:36	LDS
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	14	14	23	EPA TO-15 Certifications:	08/11/2016 10:29	08/11/2016 15:36	LDS
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	11	11	23	EPA TO-15 Certifications:	08/11/2016 10:29	08/11/2016 15:36	LDS
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	14	14	23	EPA TO-15 Certifications:	08/11/2016 10:29	08/11/2016 15:36	LDS
123-91-1	1,4-Dioxane	ND		ug/m ³	17	17	23	EPA TO-15 Certifications:	08/11/2016 10:29	08/11/2016 15:36	LDS
78-93-3	2-Butanone	94		ug/m ³	6.8	6.8	23	EPA TO-15 Certifications:	08/11/2016 10:29	08/11/2016 15:36	LDS
591-78-6	* 2-Hexanone	ND		ug/m ³	19	19	23	EPA TO-15 Certifications:	08/11/2016 10:29	08/11/2016 15:36	LDS



Sample Information

Client Sample ID: SV-1

York Sample ID: 16H0405-01

York Project (SDG) No.
16H0405

Client Project ID
1678 & 1700 Park Avenue

Matrix
Soil Vapor

Collection Date/Time
August 8, 2016 3:00 pm

Date Received
08/08/2016

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-05-1	3-Chloropropene	ND		ug/m ³	36	36	23	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/11/2016 10:29	08/11/2016 15:36	LDS
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	9.4	9.4	23	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/11/2016 10:29	08/11/2016 15:36	LDS
67-64-1	Acetone	450		ug/m ³	11	11	23	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/11/2016 10:29	08/11/2016 15:36	LDS
107-13-1	Acrylonitrile	ND		ug/m ³	5.0	5.0	23	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/11/2016 10:29	08/11/2016 15:36	LDS
71-43-2	Benzene	13		ug/m ³	7.3	7.3	23	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/11/2016 10:29	08/11/2016 15:36	LDS
100-44-7	Benzyl chloride	ND		ug/m ³	12	12	23	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/11/2016 10:29	08/11/2016 15:36	LDS
75-27-4	Bromodichloromethane	ND		ug/m ³	15	15	23	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/11/2016 10:29	08/11/2016 15:36	LDS
75-25-2	Bromoform	ND		ug/m ³	24	24	23	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/11/2016 10:29	08/11/2016 15:36	LDS
74-83-9	Bromomethane	ND		ug/m ³	8.9	8.9	23	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/11/2016 10:29	08/11/2016 15:36	LDS
75-15-0	Carbon disulfide	19		ug/m ³	7.2	7.2	23	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/11/2016 10:29	08/11/2016 15:36	LDS
56-23-5	Carbon tetrachloride	ND		ug/m ³	3.6	3.6	23	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/11/2016 10:29	08/11/2016 15:36	LDS
108-90-7	Chlorobenzene	ND		ug/m ³	11	11	23	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/11/2016 10:29	08/11/2016 15:36	LDS
75-00-3	Chloroethane	ND		ug/m ³	6.1	6.1	23	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/11/2016 10:29	08/11/2016 15:36	LDS
67-66-3	Chloroform	57		ug/m ³	11	11	23	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/11/2016 10:29	08/11/2016 15:36	LDS
74-87-3	Chloromethane	ND		ug/m ³	4.7	4.7	23	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/11/2016 10:29	08/11/2016 15:36	LDS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	9.1	9.1	23	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/11/2016 10:29	08/11/2016 15:36	LDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	10	10	23	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/11/2016 10:29	08/11/2016 15:36	LDS
110-82-7	Cyclohexane	ND		ug/m ³	7.9	7.9	23	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/11/2016 10:29	08/11/2016 15:36	LDS
124-48-1	Dibromochloromethane	ND		ug/m ³	20	20	23	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/11/2016 10:29	08/11/2016 15:36	LDS
75-71-8	Dichlorodifluoromethane	ND		ug/m ³	11	11	23	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/11/2016 10:29	08/11/2016 15:36	LDS
141-78-6	* Ethyl acetate	ND		ug/m ³	17	17	23	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/11/2016 10:29	08/11/2016 15:36	LDS
100-41-4	Ethyl Benzene	25		ug/m ³	10	10	23	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/11/2016 10:29	08/11/2016 15:36	LDS
87-68-3	Hexachlorobutadiene	ND		ug/m ³	25	25	23	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/11/2016 10:29	08/11/2016 15:36	LDS



Sample Information

Client Sample ID: SV-1

York Sample ID: 16H0405-01

York Project (SDG) No.
16H0405

Client Project ID
1678 & 1700 Park Avenue

Matrix
Soil Vapor

Collection Date/Time
August 8, 2016 3:00 pm

Date Received
08/08/2016

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-63-0	Isopropanol	ND		ug/m ³	11	11	23	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/11/2016 10:29	08/11/2016 15:36	LDS
80-62-6	Methyl Methacrylate	ND		ug/m ³	9.4	9.4	23	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/11/2016 10:29	08/11/2016 15:36	LDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	8.3	8.3	23	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/11/2016 10:29	08/11/2016 15:36	LDS
75-09-2	Methylene chloride	ND		ug/m ³	16	16	23	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/11/2016 10:29	08/11/2016 15:36	LDS
142-82-5	n-Heptane	23		ug/m ³	9.4	9.4	23	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/11/2016 10:29	08/11/2016 15:36	LDS
110-54-3	n-Hexane	24		ug/m ³	8.1	8.1	23	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/11/2016 10:29	08/11/2016 15:36	LDS
95-47-6	o-Xylene	35		ug/m ³	10	10	23	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/11/2016 10:29	08/11/2016 15:36	LDS
179601-23-1	p- & m- Xylenes	110		ug/m ³	20	20	23	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/11/2016 10:29	08/11/2016 15:36	LDS
622-96-8	* p-Ethyltoluene	45		ug/m ³	11	11	23	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/11/2016 10:29	08/11/2016 15:36	LDS
115-07-1	* Propylene	180		ug/m ³	4.0	4.0	23	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/11/2016 10:29	08/11/2016 15:36	LDS
100-42-5	Styrene	ND		ug/m ³	9.8	9.8	23	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/11/2016 10:29	08/11/2016 15:36	LDS
127-18-4	Tetrachloroethylene	ND		ug/m ³	3.9	3.9	23	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/11/2016 10:29	08/11/2016 15:36	LDS
109-99-9	* Tetrahydrofuran	ND		ug/m ³	14	14	23	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/11/2016 10:29	08/11/2016 15:36	LDS
108-88-3	Toluene	80		ug/m ³	8.7	8.7	23	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/11/2016 10:29	08/11/2016 15:36	LDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	9.1	9.1	23	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/11/2016 10:29	08/11/2016 15:36	LDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	10	10	23	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/11/2016 10:29	08/11/2016 15:36	LDS
79-01-6	Trichloroethylene	ND		ug/m ³	3.1	3.1	23	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/11/2016 10:29	08/11/2016 15:36	LDS
75-69-4	Trichlorofluoromethane (Freon 11)	21		ug/m ³	13	13	23	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/11/2016 10:29	08/11/2016 15:36	LDS
108-05-4	Vinyl acetate	ND		ug/m ³	8.1	8.1	23	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/11/2016 10:29	08/11/2016 15:36	LDS
593-60-2	Vinyl bromide	ND		ug/m ³	10	10	23	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/11/2016 10:29	08/11/2016 15:36	LDS
75-01-4	Vinyl Chloride	ND		ug/m ³	5.9	5.9	23	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/11/2016 10:29	08/11/2016 15:36	LDS
Surrogate Recoveries		Result	Acceptance Range								
460-00-4	Surrogate: p-Bromofluorobenzene	101 %	72-118								



Sample Information

Client Sample ID: SV-2

York Sample ID: 16H0405-02

York Project (SDG) No.

16H0405

Client Project ID

1678 & 1700 Park Avenue

Matrix

Soil Vapor

Collection Date/Time

August 8, 2016 3:00 pm

Date Received

08/08/2016

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	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	16	16	23.12	EPA TO-15 Certifications:	08/09/2016 13:46	08/10/2016 01:10	LDS
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	13	13	23.12	EPA TO-15 Certifications:	08/09/2016 13:46 NELAC-NY10854,NJDEP	08/10/2016 01:10	LDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	16	16	23.12	EPA TO-15 Certifications:	08/09/2016 13:46 NELAC-NY10854,NJDEP	08/10/2016 01:10	LDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	18	18	23.12	EPA TO-15 Certifications:	08/09/2016 13:46 NELAC-NY10854,NJDEP	08/10/2016 01:10	LDS
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	13	13	23.12	EPA TO-15 Certifications:	08/09/2016 13:46 NELAC-NY10854,NJDEP	08/10/2016 01:10	LDS
75-34-3	1,1-Dichloroethane	ND		ug/m ³	9.4	9.4	23.12	EPA TO-15 Certifications:	08/09/2016 13:46 NELAC-NY10854,NJDEP	08/10/2016 01:10	LDS
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	9.2	9.2	23.12	EPA TO-15 Certifications:	08/09/2016 13:46 NELAC-NY10854,NJDEP	08/10/2016 01:10	LDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	17	17	23.12	EPA TO-15 Certifications:	08/09/2016 13:46 NELAC-NY10854,NJDEP	08/10/2016 01:10	LDS
95-63-6	1,2,4-Trimethylbenzene	58		ug/m ³	11	11	23.12	EPA TO-15 Certifications:	08/09/2016 13:46 NELAC-NY10854,NJDEP	08/10/2016 01:10	LDS
106-93-4	1,2-Dibromoethane	ND		ug/m ³	18	18	23.12	EPA TO-15 Certifications:	08/09/2016 13:46 NELAC-NY10854,NJDEP	08/10/2016 01:10	LDS
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	14	14	23.12	EPA TO-15 Certifications:	08/09/2016 13:46 NELAC-NY10854,NJDEP	08/10/2016 01:10	LDS
107-06-2	1,2-Dichloroethane	ND		ug/m ³	9.4	9.4	23.12	EPA TO-15 Certifications:	08/09/2016 13:46 NELAC-NY10854,NJDEP	08/10/2016 01:10	LDS
78-87-5	1,2-Dichloropropane	ND		ug/m ³	11	11	23.12	EPA TO-15 Certifications:	08/09/2016 13:46 NELAC-NY10854,NJDEP	08/10/2016 01:10	LDS
76-14-2	1,2-Dichlorotetrafluoroethane	29		ug/m ³	16	16	23.12	EPA TO-15 Certifications:	08/09/2016 13:46 NELAC-NY10854,NJDEP	08/10/2016 01:10	LDS
108-67-8	1,3,5-Trimethylbenzene	19		ug/m ³	11	11	23.12	EPA TO-15 Certifications:	08/09/2016 13:46 NELAC-NY10854,NJDEP	08/10/2016 01:10	LDS
106-99-0	1,3-Butadiene	ND		ug/m ³	15	15	23.12	EPA TO-15 Certifications:	08/09/2016 13:46 NELAC-NY10854,NJDEP	08/10/2016 01:10	LDS
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	14	14	23.12	EPA TO-15 Certifications:	08/09/2016 13:46 NELAC-NY10854,NJDEP	08/10/2016 01:10	LDS
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	11	11	23.12	EPA TO-15 Certifications:	08/09/2016 13:46	08/10/2016 01:10	LDS
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	14	14	23.12	EPA TO-15 Certifications:	08/09/2016 13:46 NELAC-NY10854,NJDEP	08/10/2016 01:10	LDS
123-91-1	1,4-Dioxane	ND		ug/m ³	17	17	23.12	EPA TO-15 Certifications:	08/09/2016 13:46 NELAC-NY10854,NJDEP	08/10/2016 01:10	LDS
78-93-3	2-Butanone	65		ug/m ³	6.8	6.8	23.12	EPA TO-15 Certifications:	08/09/2016 13:46 NELAC-NY10854,NJDEP	08/10/2016 01:10	LDS
591-78-6	* 2-Hexanone	ND		ug/m ³	19	19	23.12	EPA TO-15 Certifications:	08/09/2016 13:46	08/10/2016 01:10	LDS
107-05-1	3-Chloropropene	ND		ug/m ³	36	36	23.12	EPA TO-15 Certifications:	08/09/2016 13:46 NELAC-NY10854,NJDEP	08/10/2016 01:10	LDS



Sample Information

Client Sample ID: SV-2

York Sample ID: 16H0405-02

York Project (SDG) No.
16H0405

Client Project ID
1678 & 1700 Park Avenue

Matrix
Soil Vapor

Collection Date/Time
August 8, 2016 3:00 pm

Date Received
08/08/2016

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	9.5	9.5	23.12	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/09/2016 13:46	08/10/2016 01:10	LDS
67-64-1	Acetone	1100		ug/m ³	11	11	23.12	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/09/2016 13:46	08/10/2016 01:10	LDS
107-13-1	Acrylonitrile	ND		ug/m ³	5.0	5.0	23.12	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/09/2016 13:46	08/10/2016 01:10	LDS
71-43-2	Benzene	7.4		ug/m ³	7.4	7.4	23.12	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/09/2016 13:46	08/10/2016 01:10	LDS
100-44-7	Benzyl chloride	ND		ug/m ³	12	12	23.12	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/09/2016 13:46	08/10/2016 01:10	LDS
75-27-4	Bromodichloromethane	ND		ug/m ³	15	15	23.12	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/09/2016 13:46	08/10/2016 01:10	LDS
75-25-2	Bromoform	ND		ug/m ³	24	24	23.12	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/09/2016 13:46	08/10/2016 01:10	LDS
74-83-9	Bromomethane	ND		ug/m ³	9.0	9.0	23.12	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/09/2016 13:46	08/10/2016 01:10	LDS
75-15-0	Carbon disulfide	ND		ug/m ³	7.2	7.2	23.12	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/09/2016 13:46	08/10/2016 01:10	LDS
56-23-5	Carbon tetrachloride	ND		ug/m ³	3.6	3.6	23.12	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/09/2016 13:46	08/10/2016 01:10	LDS
108-90-7	Chlorobenzene	ND		ug/m ³	11	11	23.12	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/09/2016 13:46	08/10/2016 01:10	LDS
75-00-3	Chloroethane	ND		ug/m ³	6.1	6.1	23.12	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/09/2016 13:46	08/10/2016 01:10	LDS
67-66-3	Chloroform	310		ug/m ³	11	11	23.12	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/09/2016 13:46	08/10/2016 01:10	LDS
74-87-3	Chloromethane	ND		ug/m ³	4.8	4.8	23.12	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/09/2016 13:46	08/10/2016 01:10	LDS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	9.2	9.2	23.12	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/09/2016 13:46	08/10/2016 01:10	LDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	10	10	23.12	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/09/2016 13:46	08/10/2016 01:10	LDS
110-82-7	Cyclohexane	ND		ug/m ³	8.0	8.0	23.12	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/09/2016 13:46	08/10/2016 01:10	LDS
124-48-1	Dibromochloromethane	ND		ug/m ³	20	20	23.12	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/09/2016 13:46	08/10/2016 01:10	LDS
75-71-8	Dichlorodifluoromethane	ND		ug/m ³	11	11	23.12	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/09/2016 13:46	08/10/2016 01:10	LDS
141-78-6	* Ethyl acetate	ND		ug/m ³	17	17	23.12	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/09/2016 13:46	08/10/2016 01:10	LDS
100-41-4	Ethyl Benzene	21		ug/m ³	10	10	23.12	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/09/2016 13:46	08/10/2016 01:10	LDS
87-68-3	Hexachlorobutadiene	ND		ug/m ³	25	25	23.12	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/09/2016 13:46	08/10/2016 01:10	LDS
67-63-0	Isopropanol	ND		ug/m ³	11	11	23.12	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/09/2016 13:46	08/10/2016 01:10	LDS



Sample Information

Client Sample ID: SV-2

York Sample ID: 16H0405-02

York Project (SDG) No.

16H0405

Client Project ID

1678 & 1700 Park Avenue

Matrix

Soil Vapor

Collection Date/Time

August 8, 2016 3:00 pm

Date Received

08/08/2016

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
80-62-6	Methyl Methacrylate	ND		ug/m ³	9.5	9.5	23.12	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/09/2016 13:46	08/10/2016 01:10	LDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	8.3	8.3	23.12	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/09/2016 13:46	08/10/2016 01:10	LDS
75-09-2	Methylene chloride	ND		ug/m ³	16	16	23.12	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/09/2016 13:46	08/10/2016 01:10	LDS
142-82-5	n-Heptane	16		ug/m ³	9.5	9.5	23.12	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/09/2016 13:46	08/10/2016 01:10	LDS
110-54-3	n-Hexane	18		ug/m ³	8.1	8.1	23.12	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/09/2016 13:46	08/10/2016 01:10	LDS
95-47-6	o-Xylene	32		ug/m ³	10	10	23.12	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/09/2016 13:46	08/10/2016 01:10	LDS
179601-23-1	p- & m- Xylenes	92		ug/m ³	20	20	23.12	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/09/2016 13:46	08/10/2016 01:10	LDS
622-96-8	* p-Ethyltoluene	39		ug/m ³	11	11	23.12	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/09/2016 13:46	08/10/2016 01:10	LDS
115-07-1	* Propylene	71		ug/m ³	4.0	4.0	23.12	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/09/2016 13:46	08/10/2016 01:10	LDS
100-42-5	Styrene	ND		ug/m ³	9.8	9.8	23.12	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/09/2016 13:46	08/10/2016 01:10	LDS
127-18-4	Tetrachloroethylene	ND		ug/m ³	3.9	3.9	23.12	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/09/2016 13:46	08/10/2016 01:10	LDS
109-99-9	* Tetrahydrofuran	ND		ug/m ³	14	14	23.12	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/09/2016 13:46	08/10/2016 01:10	LDS
108-88-3	Toluene	69		ug/m ³	8.7	8.7	23.12	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/09/2016 13:46	08/10/2016 01:10	LDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	9.2	9.2	23.12	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/09/2016 13:46	08/10/2016 01:10	LDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	10	10	23.12	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/09/2016 13:46	08/10/2016 01:10	LDS
79-01-6	Trichloroethylene	ND		ug/m ³	3.1	3.1	23.12	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/09/2016 13:46	08/10/2016 01:10	LDS
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m ³	13	13	23.12	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/09/2016 13:46	08/10/2016 01:10	LDS
108-05-4	Vinyl acetate	ND		ug/m ³	8.1	8.1	23.12	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/09/2016 13:46	08/10/2016 01:10	LDS
593-60-2	Vinyl bromide	ND		ug/m ³	10	10	23.12	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/09/2016 13:46	08/10/2016 01:10	LDS
75-01-4	Vinyl Chloride	ND		ug/m ³	5.9	5.9	23.12	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/09/2016 13:46	08/10/2016 01:10	LDS
Surrogate Recoveries		Result	Acceptance Range								
460-00-4	Surrogate: p-Bromofluorobenzene	101 %	72-118								



Sample Information

Client Sample ID: SV-4

York Sample ID: 16H0405-03

York Project (SDG) No.

16H0405

Client Project ID

1678 & 1700 Park Avenue

Matrix

Soil Vapor

Collection Date/Time

August 8, 2016 3:00 pm

Date Received

08/08/2016

Volatile Organics, EPA TO15 Full List

Sample Prepared by Method: EPA TO15 PREP

Log-in Notes:

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	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	17	17	25.33	EPA TO-15 Certifications:	08/09/2016 13:46	08/10/2016 02:09	LDS
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	14	14	25.33	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/09/2016 13:46	08/10/2016 02:09	LDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	17	17	25.33	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/09/2016 13:46	08/10/2016 02:09	LDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	19	19	25.33	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/09/2016 13:46	08/10/2016 02:09	LDS
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	14	14	25.33	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/09/2016 13:46	08/10/2016 02:09	LDS
75-34-3	1,1-Dichloroethane	ND		ug/m ³	10	10	25.33	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/09/2016 13:46	08/10/2016 02:09	LDS
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	10	10	25.33	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/09/2016 13:46	08/10/2016 02:09	LDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	19	19	25.33	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/09/2016 13:46	08/10/2016 02:09	LDS
95-63-6	1,2,4-Trimethylbenzene	51		ug/m ³	12	12	25.33	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/09/2016 13:46	08/10/2016 02:09	LDS
106-93-4	1,2-Dibromoethane	ND		ug/m ³	19	19	25.33	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/09/2016 13:46	08/10/2016 02:09	LDS
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	15	15	25.33	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/09/2016 13:46	08/10/2016 02:09	LDS
107-06-2	1,2-Dichloroethane	ND		ug/m ³	10	10	25.33	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/09/2016 13:46	08/10/2016 02:09	LDS
78-87-5	1,2-Dichloropropane	ND		ug/m ³	12	12	25.33	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/09/2016 13:46	08/10/2016 02:09	LDS
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	18	18	25.33	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/09/2016 13:46	08/10/2016 02:09	LDS
108-67-8	1,3,5-Trimethylbenzene	15		ug/m ³	12	12	25.33	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/09/2016 13:46	08/10/2016 02:09	LDS
106-99-0	1,3-Butadiene	ND		ug/m ³	17	17	25.33	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/09/2016 13:46	08/10/2016 02:09	LDS
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	15	15	25.33	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/09/2016 13:46	08/10/2016 02:09	LDS
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	12	12	25.33	EPA TO-15 Certifications:	08/09/2016 13:46	08/10/2016 02:09	LDS
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	15	15	25.33	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/09/2016 13:46	08/10/2016 02:09	LDS
123-91-1	1,4-Dioxane	ND		ug/m ³	18	18	25.33	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/09/2016 13:46	08/10/2016 02:09	LDS
78-93-3	2-Butanone	70		ug/m ³	7.5	7.5	25.33	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/09/2016 13:46	08/10/2016 02:09	LDS
591-78-6	* 2-Hexanone	ND		ug/m ³	21	21	25.33	EPA TO-15 Certifications:	08/09/2016 13:46	08/10/2016 02:09	LDS
107-05-1	3-Chloropropene	ND		ug/m ³	40	40	25.33	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/09/2016 13:46	08/10/2016 02:09	LDS



Sample Information

Client Sample ID: SV-4

York Sample ID: 16H0405-03

York Project (SDG) No.
16H0405

Client Project ID
1678 & 1700 Park Avenue

Matrix
Soil Vapor

Collection Date/Time
August 8, 2016 3:00 pm

Date Received
08/08/2016

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	10	10	25.33	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/09/2016 13:46	08/10/2016 02:09	LDS
67-64-1	Acetone	1000		ug/m ³	12	12	25.33	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/09/2016 13:46	08/10/2016 02:09	LDS
107-13-1	Acrylonitrile	ND		ug/m ³	5.5	5.5	25.33	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/09/2016 13:46	08/10/2016 02:09	LDS
71-43-2	Benzene	12		ug/m ³	8.1	8.1	25.33	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/09/2016 13:46	08/10/2016 02:09	LDS
100-44-7	Benzyl chloride	ND		ug/m ³	13	13	25.33	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/09/2016 13:46	08/10/2016 02:09	LDS
75-27-4	Bromodichloromethane	ND		ug/m ³	17	17	25.33	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/09/2016 13:46	08/10/2016 02:09	LDS
75-25-2	Bromoform	ND		ug/m ³	26	26	25.33	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/09/2016 13:46	08/10/2016 02:09	LDS
74-83-9	Bromomethane	ND		ug/m ³	9.8	9.8	25.33	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/09/2016 13:46	08/10/2016 02:09	LDS
75-15-0	Carbon disulfide	14		ug/m ³	7.9	7.9	25.33	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/09/2016 13:46	08/10/2016 02:09	LDS
56-23-5	Carbon tetrachloride	ND		ug/m ³	4.0	4.0	25.33	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/09/2016 13:46	08/10/2016 02:09	LDS
108-90-7	Chlorobenzene	ND		ug/m ³	12	12	25.33	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/09/2016 13:46	08/10/2016 02:09	LDS
75-00-3	Chloroethane	ND		ug/m ³	6.7	6.7	25.33	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/09/2016 13:46	08/10/2016 02:09	LDS
67-66-3	Chloroform	96		ug/m ³	12	12	25.33	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/09/2016 13:46	08/10/2016 02:09	LDS
74-87-3	Chloromethane	ND		ug/m ³	5.2	5.2	25.33	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/09/2016 13:46	08/10/2016 02:09	LDS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	10	10	25.33	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/09/2016 13:46	08/10/2016 02:09	LDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	11	11	25.33	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/09/2016 13:46	08/10/2016 02:09	LDS
110-82-7	Cyclohexane	ND		ug/m ³	8.7	8.7	25.33	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/09/2016 13:46	08/10/2016 02:09	LDS
124-48-1	Dibromochloromethane	ND		ug/m ³	22	22	25.33	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/09/2016 13:46	08/10/2016 02:09	LDS
75-71-8	Dichlorodifluoromethane	ND		ug/m ³	13	13	25.33	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/09/2016 13:46	08/10/2016 02:09	LDS
141-78-6	* Ethyl acetate	ND		ug/m ³	18	18	25.33	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/09/2016 13:46	08/10/2016 02:09	LDS
100-41-4	Ethyl Benzene	20		ug/m ³	11	11	25.33	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/09/2016 13:46	08/10/2016 02:09	LDS
87-68-3	Hexachlorobutadiene	ND		ug/m ³	27	27	25.33	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/09/2016 13:46	08/10/2016 02:09	LDS
67-63-0	Isopropanol	ND		ug/m ³	12	12	25.33	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/09/2016 13:46	08/10/2016 02:09	LDS



Sample Information

Client Sample ID: SV-4

York Sample ID: 16H0405-03

York Project (SDG) No.
16H0405

Client Project ID
1678 & 1700 Park Avenue

Matrix
Soil Vapor

Collection Date/Time
August 8, 2016 3:00 pm

Date Received
08/08/2016

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
80-62-6	Methyl Methacrylate	ND		ug/m ³	10	10	25.33	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/09/2016 13:46	08/10/2016 02:09	LDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	9.1	9.1	25.33	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/09/2016 13:46	08/10/2016 02:09	LDS
75-09-2	Methylene chloride	ND		ug/m ³	18	18	25.33	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/09/2016 13:46	08/10/2016 02:09	LDS
142-82-5	n-Heptane	38		ug/m ³	10	10	25.33	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/09/2016 13:46	08/10/2016 02:09	LDS
110-54-3	n-Hexane	71		ug/m ³	8.9	8.9	25.33	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/09/2016 13:46	08/10/2016 02:09	LDS
95-47-6	o-Xylene	29		ug/m ³	11	11	25.33	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/09/2016 13:46	08/10/2016 02:09	LDS
179601-23-1	p- & m- Xylenes	86		ug/m ³	22	22	25.33	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/09/2016 13:46	08/10/2016 02:09	LDS
622-96-8	* p-Ethyltoluene	35		ug/m ³	12	12	25.33	EPA TO-15 Certifications:	08/09/2016 13:46	08/10/2016 02:09	LDS
115-07-1	* Propylene	500		ug/m ³	4.4	4.4	25.33	EPA TO-15 Certifications:	08/09/2016 13:46	08/10/2016 02:09	LDS
100-42-5	Styrene	ND		ug/m ³	11	11	25.33	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/09/2016 13:46	08/10/2016 02:09	LDS
127-18-4	Tetrachloroethylene	36		ug/m ³	4.3	4.3	25.33	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/09/2016 13:46	08/10/2016 02:09	LDS
109-99-9	* Tetrahydrofuran	ND		ug/m ³	15	15	25.33	EPA TO-15 Certifications:	08/09/2016 13:46	08/10/2016 02:09	LDS
108-88-3	Toluene	68		ug/m ³	9.5	9.5	25.33	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/09/2016 13:46	08/10/2016 02:09	LDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	10	10	25.33	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/09/2016 13:46	08/10/2016 02:09	LDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	11	11	25.33	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/09/2016 13:46	08/10/2016 02:09	LDS
79-01-6	Trichloroethylene	ND		ug/m ³	3.4	3.4	25.33	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/09/2016 13:46	08/10/2016 02:09	LDS
75-69-4	Trichlorofluoromethane (Freon 11)	83		ug/m ³	14	14	25.33	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/09/2016 13:46	08/10/2016 02:09	LDS
108-05-4	Vinyl acetate	ND		ug/m ³	8.9	8.9	25.33	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/09/2016 13:46	08/10/2016 02:09	LDS
593-60-2	Vinyl bromide	ND		ug/m ³	11	11	25.33	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/09/2016 13:46	08/10/2016 02:09	LDS
75-01-4	Vinyl Chloride	ND		ug/m ³	6.5	6.5	25.33	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/09/2016 13:46	08/10/2016 02:09	LDS
Surrogate Recoveries		Result	Acceptance Range								
460-00-4	Surrogate: p-Bromofluorobenzene	101 %	72-118								



Analytical Batch Summary

Batch ID: BH60577

Preparation Method: EPA TO15 PREP

Prepared By: LDS

YORK Sample ID	Client Sample ID	Preparation Date
16H0405-02	SV-2	08/09/16
16H0405-03	SV-4	08/09/16
BH60577-BLK1	Blank	08/09/16
BH60577-BS1	LCS	08/09/16

Batch ID: BH60716

Preparation Method: EPA TO15 PREP

Prepared By: LDS

YORK Sample ID	Client Sample ID	Preparation Date
16H0405-01	SV-1	08/11/16
BH60716-BLK1	Blank	08/11/16
BH60716-BS1	LCS	08/11/16



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 BH60577 - EPA TO15 PREP

Blank (BH60577-BLK1)

Prepared & Analyzed: 08/09/2016

1,1,1,2-Tetrachloroethane	ND	0.69	ug/m ³
1,1,1-Trichloroethane	ND	0.55	"
1,1,2,2-Tetrachloroethane	ND	0.69	"
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.77	"
1,1,2-Trichloroethane	ND	0.55	"
1,1-Dichloroethane	ND	0.40	"
1,1-Dichloroethylene	ND	0.40	"
1,2,4-Trichlorobenzene	ND	0.74	"
1,2,4-Trimethylbenzene	ND	0.49	"
1,2-Dibromoethane	ND	0.77	"
1,2-Dichlorobenzene	ND	0.60	"
1,2-Dichloroethane	ND	0.40	"
1,2-Dichloropropane	ND	0.46	"
1,2-Dichlorotetrafluoroethane	ND	0.70	"
1,3,5-Trimethylbenzene	ND	0.49	"
1,3-Butadiene	ND	0.66	"
1,3-Dichlorobenzene	ND	0.60	"
1,3-Dichloropropane	ND	0.46	"
1,4-Dichlorobenzene	ND	0.60	"
1,4-Dioxane	ND	0.72	"
2-Butanone	ND	0.29	"
2-Hexanone	ND	0.82	"
3-Chloropropene	ND	1.6	"
4-Methyl-2-pentanone	ND	0.41	"
Acetone	ND	0.48	"
Acrylonitrile	ND	0.22	"
Benzene	ND	0.32	"
Benzyl chloride	ND	0.52	"
Bromodichloromethane	ND	0.67	"
Bromoform	ND	1.0	"
Bromomethane	ND	0.39	"
Carbon disulfide	ND	0.31	"
Carbon tetrachloride	ND	0.16	"
Chlorobenzene	ND	0.46	"
Chloroethane	ND	0.26	"
Chloroform	ND	0.49	"
Chloromethane	ND	0.21	"
cis-1,2-Dichloroethylene	ND	0.40	"
cis-1,3-Dichloropropylene	ND	0.45	"
Cyclohexane	ND	0.34	"
Dibromochloromethane	ND	0.85	"
Dichlorodifluoromethane	ND	0.49	"
Ethyl acetate	ND	0.72	"
Ethyl Benzene	ND	0.43	"
Hexachlorobutadiene	ND	1.1	"
Isopropanol	ND	0.49	"
Methyl Methacrylate	ND	0.41	"
Methyl tert-butyl ether (MTBE)	ND	0.36	"
Methylene chloride	ND	0.69	"
n-Heptane	ND	0.41	"
n-Hexane	ND	0.35	"



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 BH60577 - EPA TO15 PREP

Blank (BH60577-BLK1)

Prepared & Analyzed: 08/09/2016

o-Xylene	ND	0.43	ug/m ³
p- & m- Xylenes	ND	0.87	"
p-Ethyltoluene	ND	0.49	"
Propylene	ND	0.17	"
Styrene	ND	0.43	"
Tetrachloroethylene	ND	0.17	"
Tetrahydrofuran	ND	0.59	"
Toluene	ND	0.38	"
trans-1,2-Dichloroethylene	ND	0.40	"
trans-1,3-Dichloropropylene	ND	0.45	"
Trichloroethylene	ND	0.13	"
Trichlorofluoromethane (Freon 11)	ND	0.56	"
Vinyl acetate	ND	0.35	"
Vinyl bromide	ND	0.44	"
Vinyl Chloride	ND	0.26	"

Surrogate: *p*-Bromofluorobenzene 10.3 ppbv 10.0 103 72-118

LCS (BH60577-BS1)

Prepared & Analyzed: 08/09/2016

1,1,1,2-Tetrachloroethane	11.3	ppbv	10.0	113	82-126
1,1,1-Trichloroethane	10.0	"	10.0	100	70-130
1,1,2,2-Tetrachloroethane	12.3	"	10.0	123	70-130
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.58	"	10.0	95.8	70-130
1,1,2-Trichloroethane	10.6	"	10.0	106	70-130
1,1-Dichloroethane	10.1	"	10.0	101	70-130
1,1-Dichloroethylene	9.33	"	10.0	93.3	70-130
1,2,4-Trichlorobenzene	9.39	"	10.0	93.9	70-130
1,2,4-Trimethylbenzene	12.4	"	10.0	124	70-130
1,2-Dibromoethane	10.8	"	10.0	108	70-130
1,2-Dichlorobenzene	11.7	"	10.0	117	70-130
1,2-Dichloroethane	9.59	"	10.0	95.9	70-130
1,2-Dichloropropane	11.6	"	10.0	116	70-130
1,2-Dichlorotetrafluoroethane	9.60	"	10.0	96.0	70-130
1,3,5-Trimethylbenzene	12.4	"	10.0	124	70-130
1,3-Butadiene	11.6	"	10.0	116	70-130
1,3-Dichlorobenzene	11.7	"	10.0	117	70-130
1,3-Dichloropropane	11.2	"	10.0	112	70-130
1,4-Dichlorobenzene	11.7	"	10.0	117	70-130
1,4-Dioxane	8.72	"	10.0	87.2	70-130
2-Butanone	10.2	"	10.0	102	70-130
2-Hexanone	9.00	"	10.0	90.0	70-130
3-Chloropropene	12.0	"	10.0	120	70-130
4-Methyl-2-pentanone	11.7	"	10.0	117	70-130
Acetone	8.96	"	10.0	89.6	70-130
Acrylonitrile	10.0	"	10.0	100	70-130
Benzene	9.48	"	10.0	94.8	70-130
Benzyl chloride	13.0	"	10.0	130	70-130
Bromodichloromethane	11.2	"	10.0	112	70-130
Bromoform	12.0	"	10.0	120	70-130
Bromomethane	9.66	"	10.0	96.6	70-130
Carbon disulfide	10.3	"	10.0	103	70-130
Carbon tetrachloride	10.8	"	10.0	108	70-130
Chlorobenzene	11.5	"	10.0	115	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 BH60577 - EPA TO15 PREP

LCS (BH60577-BS1)

Prepared & Analyzed: 08/09/2016

Chloroethane	10.5		ppbv	10.0		105	70-130				
Chloroform	9.56		"	10.0		95.6	70-130				
Chloromethane	12.0		"	10.0		120	70-130				
cis-1,2-Dichloroethylene	10.3		"	10.0		103	70-130				
cis-1,3-Dichloropropylene	13.0		"	10.0		130	70-130				
Cyclohexane	10.2		"	10.0		102	70-130				
Dibromochloromethane	11.0		"	10.0		110	70-130				
Dichlorodifluoromethane	10.0		"	10.0		100	70-130				
Ethyl acetate	10.2		"	10.0		102	70-130				
Ethyl Benzene	12.1		"	10.0		121	70-130				
Hexachlorobutadiene	11.4		"	10.0		114	70-130				
Isopropanol	8.79		"	10.0		87.9	70-130				
Methyl Methacrylate	11.5		"	10.0		115	70-130				
Methyl tert-butyl ether (MTBE)	10.1		"	10.0		101	70-130				
Methylene chloride	10.3		"	10.0		103	70-130				
n-Heptane	10.5		"	10.0		105	70-130				
n-Hexane	10.3		"	10.0		103	70-130				
o-Xylene	12.6		"	10.0		126	70-130				
p- & m- Xylenes	25.0		"	20.0		125	70-130				
p-Ethyltoluene	12.4		"	10.0		124	70-130				
Propylene	9.99		"	10.0		99.9	70-130				
Styrene	12.6		"	10.0		126	70-130				
Tetrachloroethylene	9.54		"	10.0		95.4	70-130				
Tetrahydrofuran	10.5		"	10.0		105	70-130				
Toluene	10.7		"	10.0		107	70-130				
trans-1,2-Dichloroethylene	10.1		"	10.0		101	70-130				
trans-1,3-Dichloropropylene	10.5		"	10.0		105	70-130				
Trichloroethylene	10.3		"	10.0		103	70-130				
Trichlorofluoromethane (Freon 11)	9.58		"	10.0		95.8	70-130				
Vinyl acetate	11.1		"	10.0		111	70-130				
Vinyl bromide	10.0		"	10.0		100	70-130				
Vinyl Chloride	10.8		"	10.0		108	70-130				
Surrogate: p-Bromofluorobenzene	10.5		"	10.0		105	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 BH60716 - EPA TO15 PREP

Blank (BH60716-BLK1)

Prepared & Analyzed: 08/11/2016

1,1,1,2-Tetrachloroethane	ND	0.69	ug/m ³
1,1,1-Trichloroethane	ND	0.55	"
1,1,2,2-Tetrachloroethane	ND	0.69	"
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.77	"
1,1,2-Trichloroethane	ND	0.55	"
1,1-Dichloroethane	ND	0.40	"
1,1-Dichloroethylene	ND	0.40	"
1,2,4-Trichlorobenzene	ND	0.74	"
1,2,4-Trimethylbenzene	ND	0.49	"
1,2-Dibromoethane	ND	0.77	"
1,2-Dichlorobenzene	ND	0.60	"
1,2-Dichloroethane	ND	0.40	"
1,2-Dichloropropane	ND	0.46	"
1,2-Dichlorotetrafluoroethane	ND	0.70	"
1,3,5-Trimethylbenzene	ND	0.49	"
1,3-Butadiene	ND	0.66	"
1,3-Dichlorobenzene	ND	0.60	"
1,3-Dichloropropane	ND	0.46	"
1,4-Dichlorobenzene	ND	0.60	"
1,4-Dioxane	ND	0.72	"
2-Butanone	ND	0.29	"
2-Hexanone	ND	0.82	"
3-Chloropropene	ND	1.6	"
4-Methyl-2-pentanone	ND	0.41	"
Acetone	ND	0.48	"
Acrylonitrile	ND	0.22	"
Benzene	ND	0.32	"
Benzyl chloride	ND	0.52	"
Bromodichloromethane	ND	0.67	"
Bromoform	ND	1.0	"
Bromomethane	ND	0.39	"
Carbon disulfide	ND	0.31	"
Carbon tetrachloride	ND	0.16	"
Chlorobenzene	ND	0.46	"
Chloroethane	ND	0.26	"
Chloroform	ND	0.49	"
Chloromethane	ND	0.21	"
cis-1,2-Dichloroethylene	ND	0.40	"
cis-1,3-Dichloropropylene	ND	0.45	"
Cyclohexane	ND	0.34	"
Dibromochloromethane	ND	0.85	"
Dichlorodifluoromethane	ND	0.49	"
Ethyl acetate	ND	0.72	"
Ethyl Benzene	ND	0.43	"
Hexachlorobutadiene	ND	1.1	"
Isopropanol	ND	0.49	"
Methyl Methacrylate	ND	0.41	"
Methyl tert-butyl ether (MTBE)	ND	0.36	"
Methylene chloride	ND	0.69	"
n-Heptane	ND	0.41	"
n-Hexane	ND	0.35	"



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 BH60716 - EPA TO15 PREP

Blank (BH60716-BLK1)

Prepared & Analyzed: 08/11/2016

o-Xylene	ND	0.43	ug/m ³
p- & m- Xylenes	ND	0.87	"
p-Ethyltoluene	ND	0.49	"
Propylene	ND	0.17	"
Styrene	ND	0.43	"
Tetrachloroethylene	ND	0.17	"
Tetrahydrofuran	ND	0.59	"
Toluene	ND	0.38	"
trans-1,2-Dichloroethylene	ND	0.40	"
trans-1,3-Dichloropropylene	ND	0.45	"
Trichloroethylene	ND	0.13	"
Trichlorofluoromethane (Freon 11)	ND	0.56	"
Vinyl acetate	ND	0.35	"
Vinyl bromide	ND	0.44	"
Vinyl Chloride	ND	0.26	"

Surrogate: p-Bromofluorobenzene 10.4 ppbv 10.0 104 72-118

LCS (BH60716-BS1)

Prepared & Analyzed: 08/11/2016

1,1,1,2-Tetrachloroethane	11.0	ppbv	10.0	110	82-126
1,1,1-Trichloroethane	10.0	"	10.0	100	70-130
1,1,2,2-Tetrachloroethane	12.3	"	10.0	123	70-130
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.72	"	10.0	97.2	70-130
1,1,2-Trichloroethane	10.8	"	10.0	108	70-130
1,1-Dichloroethane	10.4	"	10.0	104	70-130
1,1-Dichloroethylene	9.47	"	10.0	94.7	70-130
1,2,4-Trichlorobenzene	9.35	"	10.0	93.5	70-130
1,2,4-Trimethylbenzene	12.3	"	10.0	123	70-130
1,2-Dibromoethane	11.0	"	10.0	110	70-130
1,2-Dichlorobenzene	11.6	"	10.0	116	70-130
1,2-Dichloroethane	9.82	"	10.0	98.2	70-130
1,2-Dichloropropane	11.9	"	10.0	119	70-130
1,2-Dichlorotetrafluoroethane	9.88	"	10.0	98.8	70-130
1,3,5-Trimethylbenzene	12.2	"	10.0	122	70-130
1,3-Butadiene	11.4	"	10.0	114	70-130
1,3-Dichlorobenzene	11.5	"	10.0	115	70-130
1,3-Dichloropropane	11.4	"	10.0	114	70-130
1,4-Dichlorobenzene	11.6	"	10.0	116	70-130
1,4-Dioxane	8.59	"	10.0	85.9	70-130
2-Butanone	10.5	"	10.0	105	70-130
2-Hexanone	10.9	"	10.0	109	70-130
3-Chloropropene	12.0	"	10.0	120	70-130
4-Methyl-2-pentanone	12.2	"	10.0	122	70-130
Acetone	9.49	"	10.0	94.9	70-130
Acrylonitrile	10.2	"	10.0	102	70-130
Benzene	9.61	"	10.0	96.1	70-130
Benzyl chloride	12.8	"	10.0	128	70-130
Bromodichloromethane	11.5	"	10.0	115	70-130
Bromoform	11.6	"	10.0	116	70-130
Bromomethane	9.75	"	10.0	97.5	70-130
Carbon disulfide	10.4	"	10.0	104	70-130
Carbon tetrachloride	10.9	"	10.0	109	70-130
Chlorobenzene	11.3	"	10.0	113	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 BH60716 - EPA TO15 PREP

LCS (BH60716-BS1)

Prepared & Analyzed: 08/11/2016

Chloroethane	10.7		ppbv	10.0		107	70-130				
Chloroform	9.70		"	10.0		97.0	70-130				
Chloromethane	11.9		"	10.0		119	70-130				
cis-1,2-Dichloroethylene	10.4		"	10.0		104	70-130				
cis-1,3-Dichloropropylene	13.2		"	10.0		132	70-130	High Bias			
Cyclohexane	10.4		"	10.0		104	70-130				
Dibromochloromethane	11.1		"	10.0		111	70-130				
Dichlorodifluoromethane	10.3		"	10.0		103	70-130				
Ethyl acetate	10.4		"	10.0		104	70-130				
Ethyl Benzene	11.9		"	10.0		119	70-130				
Hexachlorobutadiene	11.9		"	10.0		119	70-130				
Isopropanol	8.98		"	10.0		89.8	70-130				
Methyl Methacrylate	11.6		"	10.0		116	70-130				
Methyl tert-butyl ether (MTBE)	10.1		"	10.0		101	70-130				
Methylene chloride	10.4		"	10.0		104	70-130				
n-Heptane	10.9		"	10.0		109	70-130				
n-Hexane	10.4		"	10.0		104	70-130				
o-Xylene	12.4		"	10.0		124	70-130				
p- & m- Xylenes	24.9		"	20.0		125	70-130				
p-Ethyltoluene	12.5		"	10.0		125	70-130				
Propylene	10.4		"	10.0		104	70-130				
Styrene	12.4		"	10.0		124	70-130				
Tetrachloroethylene	9.56		"	10.0		95.6	70-130				
Tetrahydrofuran	10.7		"	10.0		107	70-130				
Toluene	10.8		"	10.0		108	70-130				
trans-1,2-Dichloroethylene	10.2		"	10.0		102	70-130				
trans-1,3-Dichloropropylene	10.7		"	10.0		107	70-130				
Trichloroethylene	10.5		"	10.0		105	70-130				
Trichlorofluoromethane (Freon 11)	9.78		"	10.0		97.8	70-130				
Vinyl acetate	11.2		"	10.0		112	70-130				
Vinyl bromide	9.93		"	10.0		99.3	70-130				
Vinyl Chloride	11.2		"	10.0		112	70-130				
Surrogate: p-Bromofluorobenzene	10.2		"	10.0		102	72-118				



Notes and Definitions

QL-03	This LCS analyte recovered outside of acceptance limits. The LCS contains approximately 70 compounds, a limited number of which may be outside acceptance windows.
*	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.

1120 RESEARCH DR. STRATFORD, CT 06615
(203) 325-1371 FAX (203) 357-0166

YOUR Information

Company: AKRF, INC.
Address: 440 ROCK AVE. S. 7TH FL.
NEW YORK, NY 10016
Phone No. 646.388.9784
Contract Person: J. PATRICK DIGGINS
E-Mail Address: jdiggins@akrf.com

E-Mail Address: india@india@krf.com

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.

Samples Collected/Authorized By (Signature) Will Gossett

Name (printed) WILL GOSSETT

Name (printed)

Report To:

Company: SAME ☒
 Address: _____
 Phone No. _____
 Attention: _____
 E-Mail Address: _____

E-Mail Address: india@india@krf.com

Invoice To:

Company: SAME ☒ NEW

Address: _____

Phone No. _____

Attention: _____

E-Mail Address: _____

E-Mail Address:

YOUR Project ID

1678 & 1700 PARK AVENUE	Purchase Order No. 12431	Samples from: CT NY ~~X~~ NJ

Samples from: CI NY ~~X~~ NJ

Turn-Around Time

☐	RUSH - Same Day
☐	RUSH - Next Day
☐	RUSH - Two Day
☐	RUSH - Three Day
☐	RUSH - Four Day
☒	Standard(5-7 Days)

Standard(s) - / Days)

Report Type/Deliverables

Summary w/ QA Summary	
CT RCP Package	
NY ASP A Package	~~X~~
NY ASP B/CLP Pkg	
NIDEOP Reduced	
<u>Electronic Deliverables:</u>	
EDD (Specify Type)	~~X~~
Standard Excel	

Standard Excel

Special Instructions

Sampling Media

[illegible]

Comments

Samples Received By Trace Date/Time 8-8-16 1859

Samples Received in **LAB** by _____ Date/Time _____



Technical Report

prepared for:

AKRF, Inc.
440 Park Avenue South, 7th Floor
New York NY, 10016
Attention: Patrick Diggins

Report Date: 08/12/2016
Client Project ID: 1678 & 1700 Park Avenue
York Project (SDG) No.: 16H0461

CT Cert. No. PH-0723

New Jersey Cert. No. CT-005



New York Cert. No. 10854

PA Cert. No. 68-04440

Report Date: 08/12/2016
Client Project ID: 1678 & 1700 Park Avenue
York Project (SDG) No.: 16H0461

AKRF, Inc.
440 Park Avenue South, 7th Floor
New York NY, 10016
Attention: Patrick Diggins

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on August 09, 2016 and listed below. The project was identified as your project: **1678 & 1700 Park Avenue**.

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 Notes 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 attachment to 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>
16H0461-01	SV-3	Soil Vapor	08/09/2016	08/09/2016
16H0461-02	SV-5	Soil Vapor	08/09/2016	08/09/2016
16H0461-03	SV-8	Soil Vapor	08/09/2016	08/09/2016

General Notes for York Project (SDG) No.: 16H0461

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 samples were received in proper condition for analysis with proper documentation, unless otherwise noted.
6. All analyses conducted met method or Laboratory SOP requirements. See the Qualifiers and/or Narrative sections for further information.
7. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
8. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.

Approved By:



Benjamin Gulizia
Laboratory Director

Date: 08/12/2016





Sample Information

Client Sample ID: SV-3

York Sample ID: 16H0461-01

York Project (SDG) No.

16H0461

Client Project ID

1678 & 1700 Park Avenue

Matrix

Soil Vapor

Collection Date/Time

August 9, 2016 3:00 pm

Date Received

08/09/2016

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	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	15	15	22.11	EPA TO-15 Certifications:	08/10/2016 12:08	08/10/2016 17:11	LDS
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	12	12	22.11	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 17:11	LDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	15	15	22.11	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 17:11	LDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	17	17	22.11	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 17:11	LDS
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	12	12	22.11	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 17:11	LDS
75-34-3	1,1-Dichloroethane	ND		ug/m ³	8.9	8.9	22.11	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 17:11	LDS
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	8.8	8.8	22.11	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 17:11	LDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	16	16	22.11	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 17:11	LDS
95-63-6	1,2,4-Trimethylbenzene	49		ug/m ³	11	11	22.11	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 17:11	LDS
106-93-4	1,2-Dibromoethane	ND		ug/m ³	17	17	22.11	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 17:11	LDS
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	13	13	22.11	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 17:11	LDS
107-06-2	1,2-Dichloroethane	ND		ug/m ³	8.9	8.9	22.11	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 17:11	LDS
78-87-5	1,2-Dichloropropane	ND		ug/m ³	10	10	22.11	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 17:11	LDS
76-14-2	1,2-Dichlorotetrafluoroethane	13000		ug/m ³	62	62	88.44	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/11/2016 10:09	08/11/2016 13:38	LDS
108-67-8	1,3,5-Trimethylbenzene	15		ug/m ³	11	11	22.11	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 17:11	LDS
106-99-0	1,3-Butadiene	15		ug/m ³	15	15	22.11	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 17:11	LDS
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	13	13	22.11	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 17:11	LDS
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	10	10	22.11	EPA TO-15 Certifications:	08/10/2016 12:08	08/10/2016 17:11	LDS
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	13	13	22.11	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 17:11	LDS
123-91-1	1,4-Dioxane	ND		ug/m ³	16	16	22.11	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 17:11	LDS
78-93-3	2-Butanone	46		ug/m ³	6.5	6.5	22.11	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 17:11	LDS
591-78-6	* 2-Hexanone	ND		ug/m ³	18	18	22.11	EPA TO-15 Certifications:	08/10/2016 12:08	08/10/2016 17:11	LDS



Sample Information

Client Sample ID: SV-3

York Sample ID: 16H0461-01

York Project (SDG) No.
16H0461

Client Project ID
1678 & 1700 Park Avenue

Matrix
Soil Vapor

Collection Date/Time
August 9, 2016 3:00 pm

Date Received
08/09/2016

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-05-1	3-Chloropropene	ND		ug/m ³	35	35	22.11	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 17:11	LDS
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	9.1	9.1	22.11	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 17:11	LDS
67-64-1	Acetone	850		ug/m ³	11	11	22.11	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 17:11	LDS
107-13-1	Acrylonitrile	ND		ug/m ³	4.8	4.8	22.11	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 17:11	LDS
71-43-2	Benzene	130		ug/m ³	7.1	7.1	22.11	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 17:11	LDS
100-44-7	Benzyl chloride	ND		ug/m ³	11	11	22.11	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 17:11	LDS
75-27-4	Bromodichloromethane	ND		ug/m ³	15	15	22.11	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 17:11	LDS
75-25-2	Bromoform	ND		ug/m ³	23	23	22.11	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 17:11	LDS
74-83-9	Bromomethane	ND		ug/m ³	8.6	8.6	22.11	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 17:11	LDS
75-15-0	Carbon disulfide	24		ug/m ³	6.9	6.9	22.11	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 17:11	LDS
56-23-5	Carbon tetrachloride	ND		ug/m ³	3.5	3.5	22.11	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 17:11	LDS
108-90-7	Chlorobenzene	ND		ug/m ³	10	10	22.11	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 17:11	LDS
75-00-3	Chloroethane	ND		ug/m ³	5.8	5.8	22.11	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 17:11	LDS
67-66-3	Chloroform	19		ug/m ³	11	11	22.11	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 17:11	LDS
74-87-3	Chloromethane	ND		ug/m ³	4.6	4.6	22.11	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 17:11	LDS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	8.8	8.8	22.11	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 17:11	LDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	10	10	22.11	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 17:11	LDS
110-82-7	Cyclohexane	ND		ug/m ³	7.6	7.6	22.11	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 17:11	LDS
124-48-1	Dibromochloromethane	ND		ug/m ³	19	19	22.11	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 17:11	LDS
75-71-8	Dichlorodifluoromethane	36		ug/m ³	11	11	22.11	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 17:11	LDS
141-78-6	* Ethyl acetate	ND		ug/m ³	16	16	22.11	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 17:11	LDS
100-41-4	Ethyl Benzene	21		ug/m ³	9.6	9.6	22.11	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 17:11	LDS
87-68-3	Hexachlorobutadiene	ND		ug/m ³	24	24	22.11	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 17:11	LDS



Sample Information

Client Sample ID: SV-3

York Sample ID: 16H0461-01

York Project (SDG) No.
16H0461

Client Project ID
1678 & 1700 Park Avenue

Matrix
Soil Vapor

Collection Date/Time
August 9, 2016 3:00 pm

Date Received
08/09/2016

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-63-0	Isopropanol	ND		ug/m ³	11	11	22.11	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 17:11	LDS
80-62-6	Methyl Methacrylate	ND		ug/m ³	9.1	9.1	22.11	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 17:11	LDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	8.0	8.0	22.11	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 17:11	LDS
75-09-2	Methylene chloride	ND		ug/m ³	15	15	22.11	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 17:11	LDS
142-82-5	n-Heptane	800		ug/m ³	9.1	9.1	22.11	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 17:11	LDS
110-54-3	n-Hexane	1700		ug/m ³	7.8	7.8	22.11	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 17:11	LDS
95-47-6	o-Xylene	32		ug/m ³	9.6	9.6	22.11	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 17:11	LDS
179601-23-1	p- & m- Xylenes	94		ug/m ³	19	19	22.11	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 17:11	LDS
622-96-8	* p-Ethyltoluene	39		ug/m ³	11	11	22.11	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 17:11	LDS
115-07-1	* Propylene	920		ug/m ³	3.8	3.8	22.11	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 17:11	LDS
100-42-5	Styrene	ND		ug/m ³	9.4	9.4	22.11	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 17:11	LDS
127-18-4	Tetrachloroethylene	28		ug/m ³	3.7	3.7	22.11	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 17:11	LDS
109-99-9	* Tetrahydrofuran	ND		ug/m ³	13	13	22.11	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 17:11	LDS
108-88-3	Toluene	130		ug/m ³	8.3	8.3	22.11	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 17:11	LDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	8.8	8.8	22.11	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 17:11	LDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	10	10	22.11	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 17:11	LDS
79-01-6	Trichloroethylene	ND		ug/m ³	3.0	3.0	22.11	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 17:11	LDS
75-69-4	Trichlorofluoromethane (Freon 11)	160		ug/m ³	12	12	22.11	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 17:11	LDS
108-05-4	Vinyl acetate	ND		ug/m ³	7.8	7.8	22.11	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 17:11	LDS
593-60-2	Vinyl bromide	ND		ug/m ³	9.7	9.7	22.11	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 17:11	LDS
75-01-4	Vinyl Chloride	ND		ug/m ³	5.7	5.7	22.11	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 17:11	LDS



Sample Information

Client Sample ID: SV-5

York Sample ID: 16H0461-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

16H0461

1678 & 1700 Park Avenue

Soil Vapor

August 9, 2016 3:00 pm

08/09/2016

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	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	15	15	22.01	EPA TO-15 Certifications:	08/10/2016 12:08	08/10/2016 18:10	LDS
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	12	12	22.01	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 18:10	LDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	15	15	22.01	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 18:10	LDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	17	17	22.01	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 18:10	LDS
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	12	12	22.01	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 18:10	LDS
75-34-3	1,1-Dichloroethane	ND		ug/m ³	8.9	8.9	22.01	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 18:10	LDS
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	8.7	8.7	22.01	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 18:10	LDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	16	16	22.01	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 18:10	LDS
95-63-6	1,2,4-Trimethylbenzene	53		ug/m ³	11	11	22.01	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 18:10	LDS
106-93-4	1,2-Dibromoethane	ND		ug/m ³	17	17	22.01	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 18:10	LDS
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	13	13	22.01	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 18:10	LDS
107-06-2	1,2-Dichloroethane	ND		ug/m ³	8.9	8.9	22.01	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 18:10	LDS
78-87-5	1,2-Dichloropropane	ND		ug/m ³	10	10	22.01	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 18:10	LDS
76-14-2	1,2-Dichlorotetrafluoroethane	37		ug/m ³	15	15	22.01	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 18:10	LDS
108-67-8	1,3,5-Trimethylbenzene	15		ug/m ³	11	11	22.01	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 18:10	LDS
106-99-0	1,3-Butadiene	ND		ug/m ³	15	15	22.01	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 18:10	LDS
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	13	13	22.01	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 18:10	LDS
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	10	10	22.01	EPA TO-15 Certifications:	08/10/2016 12:08	08/10/2016 18:10	LDS
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	13	13	22.01	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 18:10	LDS
123-91-1	1,4-Dioxane	ND		ug/m ³	16	16	22.01	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 18:10	LDS
78-93-3	2-Butanone	60		ug/m ³	6.5	6.5	22.01	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 18:10	LDS
591-78-6	* 2-Hexanone	ND		ug/m ³	18	18	22.01	EPA TO-15 Certifications:	08/10/2016 12:08	08/10/2016 18:10	LDS
107-05-1	3-Chloropropene	ND		ug/m ³	34	34	22.01	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 18:10	LDS



Sample Information

Client Sample ID: SV-5

York Sample ID: 16H0461-02

York Project (SDG) No.
16H0461

Client Project ID
1678 & 1700 Park Avenue

Matrix
Soil Vapor

Collection Date/Time
August 9, 2016 3:00 pm

Date Received
08/09/2016

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	9.0	9.0	22.01	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 18:10	LDS
67-64-1	Acetone	2100		ug/m ³	42	42	88.04	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/11/2016 10:09	08/11/2016 14:37	LDS
107-13-1	Acrylonitrile	ND		ug/m ³	4.8	4.8	22.01	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 18:10	LDS
71-43-2	Benzene	15		ug/m ³	7.0	7.0	22.01	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 18:10	LDS
100-44-7	Benzyl chloride	ND		ug/m ³	11	11	22.01	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 18:10	LDS
75-27-4	Bromodichloromethane	ND		ug/m ³	15	15	22.01	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 18:10	LDS
75-25-2	Bromoform	ND		ug/m ³	23	23	22.01	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 18:10	LDS
74-83-9	Bromomethane	ND		ug/m ³	8.5	8.5	22.01	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 18:10	LDS
75-15-0	Carbon disulfide	ND		ug/m ³	6.9	6.9	22.01	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 18:10	LDS
56-23-5	Carbon tetrachloride	ND		ug/m ³	3.5	3.5	22.01	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 18:10	LDS
108-90-7	Chlorobenzene	ND		ug/m ³	10	10	22.01	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 18:10	LDS
75-00-3	Chloroethane	ND		ug/m ³	5.8	5.8	22.01	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 18:10	LDS
67-66-3	Chloroform	ND		ug/m ³	11	11	22.01	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 18:10	LDS
74-87-3	Chloromethane	ND		ug/m ³	4.5	4.5	22.01	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 18:10	LDS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	8.7	8.7	22.01	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 18:10	LDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	10	10	22.01	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 18:10	LDS
110-82-7	Cyclohexane	ND		ug/m ³	7.6	7.6	22.01	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 18:10	LDS
124-48-1	Dibromochloromethane	ND		ug/m ³	19	19	22.01	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 18:10	LDS
75-71-8	Dichlorodifluoromethane	13		ug/m ³	11	11	22.01	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 18:10	LDS
141-78-6	* Ethyl acetate	ND		ug/m ³	16	16	22.01	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 18:10	LDS
100-41-4	Ethyl Benzene	21		ug/m ³	9.6	9.6	22.01	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 18:10	LDS
87-68-3	Hexachlorobutadiene	ND		ug/m ³	23	23	22.01	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 18:10	LDS
67-63-0	Isopropanol	ND		ug/m ³	11	11	22.01	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 18:10	LDS



Sample Information

Client Sample ID: SV-5

York Sample ID: 16H0461-02

York Project (SDG) No.
16H0461

Client Project ID
1678 & 1700 Park Avenue

Matrix
Soil Vapor

Collection Date/Time
August 9, 2016 3:00 pm

Date Received
08/09/2016

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
80-62-6	Methyl Methacrylate	ND		ug/m ³	9.0	9.0	22.01	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 18:10	LDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	7.9	7.9	22.01	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 18:10	LDS
75-09-2	Methylene chloride	ND		ug/m ³	15	15	22.01	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 18:10	LDS
142-82-5	n-Heptane	340		ug/m ³	9.0	9.0	22.01	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 18:10	LDS
110-54-3	n-Hexane	260		ug/m ³	7.8	7.8	22.01	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 18:10	LDS
95-47-6	o-Xylene	31		ug/m ³	9.6	9.6	22.01	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 18:10	LDS
179601-23-1	p- & m- Xylenes	95		ug/m ³	19	19	22.01	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 18:10	LDS
622-96-8	* p-Ethyltoluene	39		ug/m ³	11	11	22.01	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 18:10	LDS
115-07-1	* Propylene	ND		ug/m ³	3.8	3.8	22.01	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 18:10	LDS
100-42-5	Styrene	ND		ug/m ³	9.4	9.4	22.01	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 18:10	LDS
127-18-4	Tetrachloroethylene	37		ug/m ³	3.7	3.7	22.01	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 18:10	LDS
109-99-9	* Tetrahydrofuran	ND		ug/m ³	13	13	22.01	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 18:10	LDS
108-88-3	Toluene	160		ug/m ³	8.3	8.3	22.01	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 18:10	LDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	8.7	8.7	22.01	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 18:10	LDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	10	10	22.01	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 18:10	LDS
79-01-6	Trichloroethylene	ND		ug/m ³	3.0	3.0	22.01	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 18:10	LDS
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m ³	12	12	22.01	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 18:10	LDS
108-05-4	Vinyl acetate	ND		ug/m ³	7.7	7.7	22.01	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 18:10	LDS
593-60-2	Vinyl bromide	ND		ug/m ³	9.6	9.6	22.01	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 18:10	LDS
75-01-4	Vinyl Chloride	ND		ug/m ³	5.6	5.6	22.01	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 18:10	LDS
Surrogate Recoveries		Result	Acceptance Range								
460-00-4	Surrogate: p-Bromofluorobenzene	99.6 %	72-118								



Sample Information

Client Sample ID: SV-8

York Sample ID: 16H0461-03

York Project (SDG) No.

16H0461

Client Project ID

1678 & 1700 Park Avenue

Matrix

Soil Vapor

Collection Date/Time

August 9, 2016 3:00 pm

Date Received

08/09/2016

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	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	19	19	28.1	EPA TO-15 Certifications:	08/10/2016 12:08	08/10/2016 19:09	LDS
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	15	15	28.1	EPA TO-15 Certifications:	08/10/2016 12:08	08/10/2016 19:09	LDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	19	19	28.1	EPA TO-15 Certifications:	08/10/2016 12:08	08/10/2016 19:09	LDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	22	22	28.1	EPA TO-15 Certifications:	08/10/2016 12:08	08/10/2016 19:09	LDS
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	15	15	28.1	EPA TO-15 Certifications:	08/10/2016 12:08	08/10/2016 19:09	LDS
75-34-3	1,1-Dichloroethane	ND		ug/m ³	11	11	28.1	EPA TO-15 Certifications:	08/10/2016 12:08	08/10/2016 19:09	LDS
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	11	11	28.1	EPA TO-15 Certifications:	08/10/2016 12:08	08/10/2016 19:09	LDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	21	21	28.1	EPA TO-15 Certifications:	08/10/2016 12:08	08/10/2016 19:09	LDS
95-63-6	1,2,4-Trimethylbenzene	43		ug/m ³	14	14	28.1	EPA TO-15 Certifications:	08/10/2016 12:08	08/10/2016 19:09	LDS
106-93-4	1,2-Dibromoethane	ND		ug/m ³	22	22	28.1	EPA TO-15 Certifications:	08/10/2016 12:08	08/10/2016 19:09	LDS
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	17	17	28.1	EPA TO-15 Certifications:	08/10/2016 12:08	08/10/2016 19:09	LDS
107-06-2	1,2-Dichloroethane	ND		ug/m ³	11	11	28.1	EPA TO-15 Certifications:	08/10/2016 12:08	08/10/2016 19:09	LDS
78-87-5	1,2-Dichloropropane	ND		ug/m ³	13	13	28.1	EPA TO-15 Certifications:	08/10/2016 12:08	08/10/2016 19:09	LDS
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	20	20	28.1	EPA TO-15 Certifications:	08/10/2016 12:08	08/10/2016 19:09	LDS
108-67-8	1,3,5-Trimethylbenzene	14		ug/m ³	14	14	28.1	EPA TO-15 Certifications:	08/10/2016 12:08	08/10/2016 19:09	LDS
106-99-0	1,3-Butadiene	ND		ug/m ³	19	19	28.1	EPA TO-15 Certifications:	08/10/2016 12:08	08/10/2016 19:09	LDS
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	17	17	28.1	EPA TO-15 Certifications:	08/10/2016 12:08	08/10/2016 19:09	LDS
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	13	13	28.1	EPA TO-15 Certifications:	08/10/2016 12:08	08/10/2016 19:09	LDS
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	17	17	28.1	EPA TO-15 Certifications:	08/10/2016 12:08	08/10/2016 19:09	LDS
123-91-1	1,4-Dioxane	ND		ug/m ³	20	20	28.1	EPA TO-15 Certifications:	08/10/2016 12:08	08/10/2016 19:09	LDS
78-93-3	2-Butanone	130		ug/m ³	8.3	8.3	28.1	EPA TO-15 Certifications:	08/10/2016 12:08	08/10/2016 19:09	LDS
591-78-6	* 2-Hexanone	ND		ug/m ³	23	23	28.1	EPA TO-15 Certifications:	08/10/2016 12:08	08/10/2016 19:09	LDS
107-05-1	3-Chloropropene	ND		ug/m ³	44	44	28.1	EPA TO-15 Certifications:	08/10/2016 12:08	08/10/2016 19:09	LDS



Sample Information

Client Sample ID: SV-8

York Sample ID: 16H0461-03

York Project (SDG) No.
16H0461

Client Project ID
1678 & 1700 Park Avenue

Matrix
Soil Vapor

Collection Date/Time
August 9, 2016 3:00 pm

Date Received
08/09/2016

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	12	12	28.1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 19:09	LDS
67-64-1	Acetone	2500		ug/m ³	13	13	28.1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 19:09	LDS
107-13-1	Acrylonitrile	ND		ug/m ³	6.1	6.1	28.1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 19:09	LDS
71-43-2	Benzene	13		ug/m ³	9.0	9.0	28.1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 19:09	LDS
100-44-7	Benzyl chloride	ND		ug/m ³	15	15	28.1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 19:09	LDS
75-27-4	Bromodichloromethane	ND		ug/m ³	19	19	28.1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 19:09	LDS
75-25-2	Bromoform	ND		ug/m ³	29	29	28.1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 19:09	LDS
74-83-9	Bromomethane	ND		ug/m ³	11	11	28.1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 19:09	LDS
75-15-0	Carbon disulfide	ND		ug/m ³	8.8	8.8	28.1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 19:09	LDS
56-23-5	Carbon tetrachloride	ND		ug/m ³	4.4	4.4	28.1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 19:09	LDS
108-90-7	Chlorobenzene	ND		ug/m ³	13	13	28.1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 19:09	LDS
75-00-3	Chloroethane	ND		ug/m ³	7.4	7.4	28.1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 19:09	LDS
67-66-3	Chloroform	ND		ug/m ³	14	14	28.1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 19:09	LDS
74-87-3	Chloromethane	ND		ug/m ³	5.8	5.8	28.1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 19:09	LDS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	11	11	28.1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 19:09	LDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	13	13	28.1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 19:09	LDS
110-82-7	Cyclohexane	ND		ug/m ³	9.7	9.7	28.1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 19:09	LDS
124-48-1	Dibromochloromethane	ND		ug/m ³	24	24	28.1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 19:09	LDS
75-71-8	Dichlorodifluoromethane	ND		ug/m ³	14	14	28.1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 19:09	LDS
141-78-6	* Ethyl acetate	ND		ug/m ³	20	20	28.1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 19:09	LDS
100-41-4	Ethyl Benzene	21		ug/m ³	12	12	28.1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 19:09	LDS
87-68-3	Hexachlorobutadiene	ND		ug/m ³	30	30	28.1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 19:09	LDS
67-63-0	Isopropanol	ND		ug/m ³	14	14	28.1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 19:09	LDS



Sample Information

Client Sample ID: SV-8

York Sample ID: 16H0461-03

York Project (SDG) No.
16H0461

Client Project ID
1678 & 1700 Park Avenue

Matrix
Soil Vapor

Collection Date/Time
August 9, 2016 3:00 pm

Date Received
08/09/2016

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
80-62-6	Methyl Methacrylate	ND		ug/m ³	12	12	28.1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 19:09	LDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	10	10	28.1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 19:09	LDS
75-09-2	Methylene chloride	ND		ug/m ³	20	20	28.1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 19:09	LDS
142-82-5	n-Heptane	21		ug/m ³	12	12	28.1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 19:09	LDS
110-54-3	n-Hexane	17		ug/m ³	9.9	9.9	28.1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 19:09	LDS
95-47-6	o-Xylene	31		ug/m ³	12	12	28.1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 19:09	LDS
179601-23-1	p- & m- Xylenes	94		ug/m ³	24	24	28.1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 19:09	LDS
622-96-8	* p-Ethyltoluene	35		ug/m ³	14	14	28.1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 19:09	LDS
115-07-1	* Propylene	42		ug/m ³	4.8	4.8	28.1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 19:09	LDS
100-42-5	Styrene	ND		ug/m ³	12	12	28.1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 19:09	LDS
127-18-4	Tetrachloroethylene	36		ug/m ³	4.8	4.8	28.1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 19:09	LDS
109-99-9	* Tetrahydrofuran	ND		ug/m ³	17	17	28.1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 19:09	LDS
108-88-3	Toluene	140		ug/m ³	11	11	28.1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 19:09	LDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	11	11	28.1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 19:09	LDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	13	13	28.1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 19:09	LDS
79-01-6	Trichloroethylene	ND		ug/m ³	3.8	3.8	28.1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 19:09	LDS
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m ³	16	16	28.1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 19:09	LDS
108-05-4	Vinyl acetate	ND		ug/m ³	9.9	9.9	28.1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 19:09	LDS
593-60-2	Vinyl bromide	ND		ug/m ³	12	12	28.1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 19:09	LDS
75-01-4	Vinyl Chloride	ND		ug/m ³	7.2	7.2	28.1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/10/2016 12:08	08/10/2016 19:09	LDS



Analytical Batch Summary

Batch ID: BH60648

Preparation Method: EPA TO15 PREP

Prepared By: LDS

YORK Sample ID	Client Sample ID	Preparation Date
16H0461-01	SV-3	08/10/16
16H0461-02	SV-5	08/10/16
16H0461-03	SV-8	08/10/16
BH60648-BLK1	Blank	08/10/16
BH60648-BS1	LCS	08/10/16
BH60648-DUP1	Duplicate	08/10/16

Batch ID: BH60716

Preparation Method: EPA TO15 PREP

Prepared By: LDS

YORK Sample ID	Client Sample ID	Preparation Date
16H0461-01RE1	SV-3	08/11/16
16H0461-02RE1	SV-5	08/11/16
BH60716-BLK1	Blank	08/11/16
BH60716-BS1	LCS	08/11/16



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 BH60648 - EPA TO15 PREP

Blank (BH60648-BLK1)

Prepared & Analyzed: 08/10/2016

1,1,1,2-Tetrachloroethane	ND	0.69	ug/m ³
1,1,1-Trichloroethane	ND	0.55	"
1,1,2,2-Tetrachloroethane	ND	0.69	"
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.77	"
1,1,2-Trichloroethane	ND	0.55	"
1,1-Dichloroethane	ND	0.40	"
1,1-Dichloroethylene	ND	0.40	"
1,2,4-Trichlorobenzene	ND	0.74	"
1,2,4-Trimethylbenzene	ND	0.49	"
1,2-Dibromoethane	ND	0.77	"
1,2-Dichlorobenzene	ND	0.60	"
1,2-Dichloroethane	ND	0.40	"
1,2-Dichloropropane	ND	0.46	"
1,2-Dichlorotetrafluoroethane	ND	0.70	"
1,3,5-Trimethylbenzene	ND	0.49	"
1,3-Butadiene	ND	0.66	"
1,3-Dichlorobenzene	ND	0.60	"
1,3-Dichloropropane	ND	0.46	"
1,4-Dichlorobenzene	ND	0.60	"
1,4-Dioxane	ND	0.72	"
2-Butanone	ND	0.29	"
2-Hexanone	ND	0.82	"
3-Chloropropene	ND	1.6	"
4-Methyl-2-pentanone	ND	0.41	"
Acetone	ND	0.48	"
Acrylonitrile	ND	0.22	"
Benzene	ND	0.32	"
Benzyl chloride	ND	0.52	"
Bromodichloromethane	ND	0.67	"
Bromoform	ND	1.0	"
Bromomethane	ND	0.39	"
Carbon disulfide	ND	0.31	"
Carbon tetrachloride	ND	0.16	"
Chlorobenzene	ND	0.46	"
Chloroethane	ND	0.26	"
Chloroform	ND	0.49	"
Chloromethane	ND	0.21	"
cis-1,2-Dichloroethylene	ND	0.40	"
cis-1,3-Dichloropropylene	ND	0.45	"
Cyclohexane	ND	0.34	"
Dibromochloromethane	ND	0.85	"
Dichlorodifluoromethane	ND	0.49	"
Ethyl acetate	ND	0.72	"
Ethyl Benzene	ND	0.43	"
Hexachlorobutadiene	ND	1.1	"
Isopropanol	ND	0.49	"
Methyl Methacrylate	ND	0.41	"
Methyl tert-butyl ether (MTBE)	ND	0.36	"
Methylene chloride	ND	0.69	"
n-Heptane	ND	0.41	"
n-Hexane	ND	0.35	"



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 BH60648 - EPA TO15 PREP

Blank (BH60648-BLK1)

Prepared & Analyzed: 08/10/2016

o-Xylene	ND	0.43	ug/m ³
p- & m- Xylenes	ND	0.87	"
p-Ethyltoluene	ND	0.49	"
Propylene	ND	0.17	"
Styrene	ND	0.43	"
Tetrachloroethylene	ND	0.17	"
Tetrahydrofuran	ND	0.59	"
Toluene	ND	0.38	"
trans-1,2-Dichloroethylene	ND	0.40	"
trans-1,3-Dichloropropylene	ND	0.45	"
Trichloroethylene	ND	0.13	"
Trichlorofluoromethane (Freon 11)	ND	0.56	"
Vinyl acetate	ND	0.35	"
Vinyl bromide	ND	0.44	"
Vinyl Chloride	ND	0.26	"

Surrogate: p-Bromofluorobenzene 10.4 ppbv 10.0 104 72-118

LCS (BH60648-BS1)

Prepared & Analyzed: 08/10/2016

1,1,1,2-Tetrachloroethane	8.66	ppbv	10.0	86.6	82-126
1,1,1-Trichloroethane	10.1	"	10.0	101	70-130
1,1,2,2-Tetrachloroethane	9.57	"	10.0	95.7	70-130
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.69	"	10.0	96.9	70-130
1,1,2-Trichloroethane	11.2	"	10.0	112	70-130
1,1-Dichloroethane	10.4	"	10.0	104	70-130
1,1-Dichloroethylene	9.61	"	10.0	96.1	70-130
1,2,4-Trichlorobenzene	7.16	"	10.0	71.6	70-130
1,2,4-Trimethylbenzene	9.61	"	10.0	96.1	70-130
1,2-Dibromoethane	11.4	"	10.0	114	70-130
1,2-Dichlorobenzene	9.05	"	10.0	90.5	70-130
1,2-Dichloroethane	9.80	"	10.0	98.0	70-130
1,2-Dichloropropane	12.3	"	10.0	123	70-130
1,2-Dichlorotetrafluoroethane	9.61	"	10.0	96.1	70-130
1,3,5-Trimethylbenzene	9.57	"	10.0	95.7	70-130
1,3-Butadiene	11.8	"	10.0	118	70-130
1,3-Dichlorobenzene	8.97	"	10.0	89.7	70-130
1,3-Dichloropropane	11.8	"	10.0	118	70-130
1,4-Dichlorobenzene	8.97	"	10.0	89.7	70-130
1,4-Dioxane	9.94	"	10.0	99.4	70-130
2-Butanone	10.6	"	10.0	106	70-130
2-Hexanone	9.58	"	10.0	95.8	70-130
3-Chloropropene	12.2	"	10.0	122	70-130
4-Methyl-2-pentanone	12.9	"	10.0	129	70-130
Acetone	9.19	"	10.0	91.9	70-130
Acrylonitrile	10.3	"	10.0	103	70-130
Benzene	9.68	"	10.0	96.8	70-130
Benzyl chloride	9.94	"	10.0	99.4	70-130
Bromodichloromethane	11.8	"	10.0	118	70-130
Bromoform	9.05	"	10.0	90.5	70-130
Bromomethane	9.82	"	10.0	98.2	70-130
Carbon disulfide	10.4	"	10.0	104	70-130
Carbon tetrachloride	11.0	"	10.0	110	70-130
Chlorobenzene	8.87	"	10.0	88.7	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 BH60648 - EPA TO15 PREP

LCS (BH60648-BS1)

Prepared & Analyzed: 08/10/2016

Chloroethane	10.7		ppbv	10.0		107	70-130				
Chloroform	9.74		"	10.0		97.4	70-130				
Chloromethane	12.3		"	10.0		123	70-130				
cis-1,2-Dichloroethylene	10.4		"	10.0		104	70-130				
cis-1,3-Dichloropropylene	13.7		"	10.0		137	70-130	High Bias			
Cyclohexane	10.5		"	10.0		105	70-130				
Dibromochloromethane	11.6		"	10.0		116	70-130				
Dichlorodifluoromethane	10.1		"	10.0		101	70-130				
Ethyl acetate	10.4		"	10.0		104	70-130				
Ethyl Benzene	9.32		"	10.0		93.2	70-130				
Hexachlorobutadiene	8.93		"	10.0		89.3	70-130				
Isopropanol	9.03		"	10.0		90.3	70-130				
Methyl Methacrylate	12.1		"	10.0		121	70-130				
Methyl tert-butyl ether (MTBE)	10.3		"	10.0		103	70-130				
Methylene chloride	10.5		"	10.0		105	70-130				
n-Heptane	11.0		"	10.0		110	70-130				
n-Hexane	10.5		"	10.0		105	70-130				
o-Xylene	9.80		"	10.0		98.0	70-130				
p- & m- Xylenes	19.5		"	20.0		97.4	70-130				
p-Ethyltoluene	9.64		"	10.0		96.4	70-130				
Propylene	10.2		"	10.0		102	70-130				
Styrene	9.75		"	10.0		97.5	70-130				
Tetrachloroethylene	9.92		"	10.0		99.2	70-130				
Tetrahydrofuran	10.9		"	10.0		109	70-130				
Toluene	11.2		"	10.0		112	70-130				
trans-1,2-Dichloroethylene	10.4		"	10.0		104	70-130				
trans-1,3-Dichloropropylene	11.1		"	10.0		111	70-130				
Trichloroethylene	10.8		"	10.0		108	70-130				
Trichlorofluoromethane (Freon 11)	9.88		"	10.0		98.8	70-130				
Vinyl acetate	11.2		"	10.0		112	70-130				
Vinyl bromide	10.0		"	10.0		100	70-130				
Vinyl Chloride	10.9		"	10.0		109	70-130				
Surrogate: p-Bromofluorobenzene	7.77		"	10.0		77.7	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 BH60648 - EPA TO15 PREP											
Duplicate (BH60648-DUP1)	*Source sample: 16H0461-03 (SV-8)						Prepared & Analyzed: 08/10/2016				
1,1,1,2-Tetrachloroethane	ND	19	ug/m ³		ND					200	
1,1,1-Trichloroethane	ND	15	"		ND					25	
1,1,2,2-Tetrachloroethane	ND	19	"		ND					25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	22	"		ND					25	
1,1,2-Trichloroethane	ND	15	"		ND					25	
1,1-Dichloroethane	ND	11	"		ND					25	
1,1-Dichloroethylene	ND	11	"		ND					25	
1,2,4-Trichlorobenzene	ND	21	"		ND					25	
1,2,4-Trimethylbenzene	43	14	"		43				0.00	25	
1,2-Dibromoethane	ND	22	"		ND					25	
1,2-Dichlorobenzene	ND	17	"		ND					25	
1,2-Dichloroethane	ND	11	"		ND					25	
1,2-Dichloropropane	ND	13	"		ND					25	
1,2-Dichlorotetrafluoroethane	ND	20	"		ND					25	
1,3,5-Trimethylbenzene	ND	14	"		ND					25	
1,3-Butadiene	ND	19	"		ND					25	
1,3-Dichlorobenzene	ND	17	"		ND					25	
1,3-Dichloropropane	ND	13	"		ND					25	
1,4-Dichlorobenzene	ND	17	"		ND					25	
1,4-Dioxane	ND	20	"		ND					25	
2-Butanone	130	8.3	"		130				0.00	25	
2-Hexanone	ND	23	"		ND					25	
3-Chloropropene	ND	44	"		ND					25	
4-Methyl-2-pentanone	ND	12	"		ND					25	
Acetone	2400	13	"		2500				3.10	25	
Acrylonitrile	ND	6.1	"		ND					25	
Benzene	12	9.0	"		13				7.41	25	
Benzyl chloride	ND	15	"		ND					25	
Bromodichloromethane	ND	19	"		ND					25	
Bromoform	ND	29	"		ND					25	
Bromomethane	ND	11	"		ND					25	
Carbon disulfide	ND	8.8	"		ND					25	
Carbon tetrachloride	ND	4.4	"		ND					25	
Chlorobenzene	ND	13	"		ND					25	
Chloroethane	ND	7.4	"		ND					25	
Chloroform	ND	14	"		ND					25	
Chloromethane	ND	5.8	"		ND					25	
cis-1,2-Dichloroethylene	ND	11	"		ND					25	
cis-1,3-Dichloropropylene	ND	13	"		ND					25	
Cyclohexane	ND	9.7	"		ND					25	
Dibromochloromethane	ND	24	"		ND					25	
Dichlorodifluoromethane	ND	14	"		ND					25	
Ethyl acetate	ND	20	"		ND					25	
Ethyl Benzene	21	12	"		21				0.00	25	
Hexachlorobutadiene	ND	30	"		ND					25	
Isopropanol	ND	14	"		ND					25	
Methyl Methacrylate	ND	12	"		ND					25	
Methyl tert-butyl ether (MTBE)	ND	10	"		ND					25	
Methylene chloride	ND	20	"		ND					25	
n-Heptane	23	12	"		21				10.5	25	
n-Hexane	18	9.9	"		17				5.71	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 BH60648 - EPA TO15 PREP

Duplicate (BH60648-DUP1)		*Source sample: 16H0461-03 (SV-8)				Prepared & Analyzed: 08/10/2016					
o-Xylene	29	12	ug/m ³		31				4.08	25	
p- & m- Xylenes	92	24	"		94				2.63	25	
p-Ethyltoluene	35	14	"		35				0.00	25	
Propylene	41	4.8	"		42				1.17	25	
Styrene	ND	12	"		ND					25	
Tetrachloroethylene	34	4.8	"		36				5.41	25	
Tetrahydrofuran	ND	17	"		ND					25	
Toluene	140	11	"		140				0.738	25	
trans-1,2-Dichloroethylene	ND	11	"		ND					25	
trans-1,3-Dichloropropylene	ND	13	"		ND					25	
Trichloroethylene	ND	3.8	"		ND					25	
Trichlorofluoromethane (Freon 11)	ND	16	"		ND					25	
Vinyl acetate	ND	9.9	"		ND					25	
Vinyl bromide	ND	12	"		ND					25	
Vinyl Chloride	ND	7.2	"		ND					25	
Surrogate: p-Bromofluorobenzene	10.2		ppbv	10.0		102	72-118				

Batch BH60716 - EPA TO15 PREP

Blank (BH60716-BLK1)		Prepared & Analyzed: 08/11/2016									
1,1,1,2-Tetrachloroethane	ND	0.69	ug/m ³								
1,1,1-Trichloroethane	ND	0.55	"								
1,1,2,2-Tetrachloroethane	ND	0.69	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.77	"								
1,1,2-Trichloroethane	ND	0.55	"								
1,1-Dichloroethane	ND	0.40	"								
1,1-Dichloroethylene	ND	0.40	"								
1,2,4-Trichlorobenzene	ND	0.74	"								
1,2,4-Trimethylbenzene	ND	0.49	"								
1,2-Dibromoethane	ND	0.77	"								
1,2-Dichlorobenzene	ND	0.60	"								
1,2-Dichloroethane	ND	0.40	"								
1,2-Dichloropropane	ND	0.46	"								
1,2-Dichlorotetrafluoroethane	ND	0.70	"								
1,3,5-Trimethylbenzene	ND	0.49	"								
1,3-Butadiene	ND	0.66	"								
1,3-Dichlorobenzene	ND	0.60	"								
1,3-Dichloropropane	ND	0.46	"								
1,4-Dichlorobenzene	ND	0.60	"								
1,4-Dioxane	ND	0.72	"								
2-Butanone	ND	0.29	"								
2-Hexanone	ND	0.82	"								
3-Chloropropene	ND	1.6	"								
4-Methyl-2-pentanone	ND	0.41	"								
Acetone	ND	0.48	"								
Acrylonitrile	ND	0.22	"								
Benzene	ND	0.32	"								
Benzyl chloride	ND	0.52	"								
Bromodichloromethane	ND	0.67	"								
Bromoform	ND	1.0	"								
Bromomethane	ND	0.39	"								
Carbon disulfide	ND	0.31	"								



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 BH60716 - EPA TO15 PREP

Blank (BH60716-BLK1)

Prepared & Analyzed: 08/11/2016

Carbon tetrachloride	ND	0.16	ug/m ³
Chlorobenzene	ND	0.46	"
Chloroethane	ND	0.26	"
Chloroform	ND	0.49	"
Chloromethane	ND	0.21	"
cis-1,2-Dichloroethylene	ND	0.40	"
cis-1,3-Dichloropropylene	ND	0.45	"
Cyclohexane	ND	0.34	"
Dibromochloromethane	ND	0.85	"
Dichlorodifluoromethane	ND	0.49	"
Ethyl acetate	ND	0.72	"
Ethyl Benzene	ND	0.43	"
Hexachlorobutadiene	ND	1.1	"
Isopropanol	ND	0.49	"
Methyl Methacrylate	ND	0.41	"
Methyl tert-butyl ether (MTBE)	ND	0.36	"
Methylene chloride	ND	0.69	"
n-Heptane	ND	0.41	"
n-Hexane	ND	0.35	"
o-Xylene	ND	0.43	"
p- & m- Xylenes	ND	0.87	"
p-Ethyltoluene	ND	0.49	"
Propylene	ND	0.17	"
Styrene	ND	0.43	"
Tetrachloroethylene	ND	0.17	"
Tetrahydrofuran	ND	0.59	"
Toluene	ND	0.38	"
trans-1,2-Dichloroethylene	ND	0.40	"
trans-1,3-Dichloropropylene	ND	0.45	"
Trichloroethylene	ND	0.13	"
Trichlorofluoromethane (Freon 11)	ND	0.56	"
Vinyl acetate	ND	0.35	"
Vinyl bromide	ND	0.44	"
Vinyl Chloride	ND	0.26	"

Surrogate: p-Bromofluorobenzene	10.4	ppbv	10.0	104	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 BH60716 - EPA TO15 PREP											
LCS (BH60716-BS1)						Prepared & Analyzed: 08/11/2016					
1,1,1,2-Tetrachloroethane	11.0		ppbv	10.0		110	82-126				
1,1,1-Trichloroethane	10.0		"	10.0		100	70-130				
1,1,2,2-Tetrachloroethane	12.3		"	10.0		123	70-130				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.72		"	10.0		97.2	70-130				
1,1,2-Trichloroethane	10.8		"	10.0		108	70-130				
1,1-Dichloroethane	10.4		"	10.0		104	70-130				
1,1-Dichloroethylene	9.47		"	10.0		94.7	70-130				
1,2,4-Trichlorobenzene	9.35		"	10.0		93.5	70-130				
1,2,4-Trimethylbenzene	12.3		"	10.0		123	70-130				
1,2-Dibromoethane	11.0		"	10.0		110	70-130				
1,2-Dichlorobenzene	11.6		"	10.0		116	70-130				
1,2-Dichloroethane	9.82		"	10.0		98.2	70-130				
1,2-Dichloropropane	11.9		"	10.0		119	70-130				
1,2-Dichlorotetrafluoroethane	9.88		"	10.0		98.8	70-130				
1,3,5-Trimethylbenzene	12.2		"	10.0		122	70-130				
1,3-Butadiene	11.4		"	10.0		114	70-130				
1,3-Dichlorobenzene	11.5		"	10.0		115	70-130				
1,3-Dichloropropane	11.4		"	10.0		114	70-130				
1,4-Dichlorobenzene	11.6		"	10.0		116	70-130				
1,4-Dioxane	8.59		"	10.0		85.9	70-130				
2-Butanone	10.5		"	10.0		105	70-130				
2-Hexanone	10.9		"	10.0		109	70-130				
3-Chloropropene	12.0		"	10.0		120	70-130				
4-Methyl-2-pentanone	12.2		"	10.0		122	70-130				
Acetone	9.49		"	10.0		94.9	70-130				
Acrylonitrile	10.2		"	10.0		102	70-130				
Benzene	9.61		"	10.0		96.1	70-130				
Benzyl chloride	12.8		"	10.0		128	70-130				
Bromodichloromethane	11.5		"	10.0		115	70-130				
Bromoform	11.6		"	10.0		116	70-130				
Bromomethane	9.75		"	10.0		97.5	70-130				
Carbon disulfide	10.4		"	10.0		104	70-130				
Carbon tetrachloride	10.9		"	10.0		109	70-130				
Chlorobenzene	11.3		"	10.0		113	70-130				
Chloroethane	10.7		"	10.0		107	70-130				
Chloroform	9.70		"	10.0		97.0	70-130				
Chloromethane	11.9		"	10.0		119	70-130				
cis-1,2-Dichloroethylene	10.4		"	10.0		104	70-130				
cis-1,3-Dichloropropylene	13.2		"	10.0		132	70-130	High Bias			
Cyclohexane	10.4		"	10.0		104	70-130				
Dibromochloromethane	11.1		"	10.0		111	70-130				
Dichlorodifluoromethane	10.3		"	10.0		103	70-130				
Ethyl acetate	10.4		"	10.0		104	70-130				
Ethyl Benzene	11.9		"	10.0		119	70-130				
Hexachlorobutadiene	11.9		"	10.0		119	70-130				
Isopropanol	8.98		"	10.0		89.8	70-130				
Methyl Methacrylate	11.6		"	10.0		116	70-130				
Methyl tert-butyl ether (MTBE)	10.1		"	10.0		101	70-130				
Methylene chloride	10.4		"	10.0		104	70-130				
n-Heptane	10.9		"	10.0		109	70-130				
n-Hexane	10.4		"	10.0		104	70-130				



Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BH60716 - EPA TO15 PREP

LCS (BH60716-BS1)

Prepared & Analyzed: 08/11/2016

o-Xylene	12.4		ppbv	10.0		124	70-130				
p- & m- Xylenes	24.9		"	20.0		125	70-130				
p-Ethyltoluene	12.5		"	10.0		125	70-130				
Propylene	10.4		"	10.0		104	70-130				
Styrene	12.4		"	10.0		124	70-130				
Tetrachloroethylene	9.56		"	10.0		95.6	70-130				
Tetrahydrofuran	10.7		"	10.0		107	70-130				
Toluene	10.8		"	10.0		108	70-130				
trans-1,2-Dichloroethylene	10.2		"	10.0		102	70-130				
trans-1,3-Dichloropropylene	10.7		"	10.0		107	70-130				
Trichloroethylene	10.5		"	10.0		105	70-130				
Trichlorofluoromethane (Freon 11)	9.78		"	10.0		97.8	70-130				
Vinyl acetate	11.2		"	10.0		112	70-130				
Vinyl bromide	9.93		"	10.0		99.3	70-130				
Vinyl Chloride	11.2		"	10.0		112	70-130				
Surrogate: p-Bromofluorobenzene	10.2		"	10.0		102	72-118				



Notes and Definitions

QL-03	This LCS analyte recovered outside of acceptance limits. The LCS contains approximately 70 compounds, a limited number of which may be outside acceptance windows.
*	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.

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

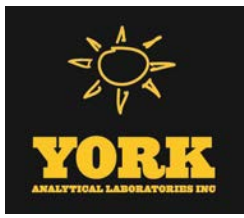
Field Chain-of-Custody Record - AIR

Page 7 of 7

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 unless superseded by written contract.

York Project No. 16H0461

[illegible]



Technical Report

prepared for:

AKRF, Inc.
440 Park Avenue South, 7th Floor
New York NY, 10016
Attention: Patrick Diggins

Report Date: 08/16/2016
Client Project ID: 1678 & 1700 Park Avenue
York Project (SDG) No.: 16H0470

CT Cert. No. PH-0723

New Jersey Cert. No. CT-005



New York Cert. No. 10854

PA Cert. No. 68-04440

Report Date: 08/16/2016
Client Project ID: 1678 & 1700 Park Avenue
York Project (SDG) No.: 16H0470

AKRF, Inc.
440 Park Avenue South, 7th Floor
New York NY, 10016
Attention: Patrick Diggins

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on August 09, 2016 and listed below. The project was identified as your project: **1678 & 1700 Park Avenue**.

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 Notes 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 attachment to 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>
16H0470-01	SB-3 (2'-3')	Soil	08/09/2016	08/09/2016
16H0470-02	SB-3 (9'-10')	Soil	08/09/2016	08/09/2016
16H0470-03	SB-4 (1'-2')	Soil	08/09/2016	08/09/2016
16H0470-04	SB-4 (14'-15')	Soil	08/09/2016	08/09/2016
16H0470-05	SB-6 (1'-2')	Soil	08/09/2016	08/09/2016
16H0470-06	SB-7 (1'-2')	Soil	08/09/2016	08/09/2016
16H0470-07	SB-7 (8'-9')	Soil	08/09/2016	08/09/2016
16H0470-08	SB-11 (1'-2')	Soil	08/09/2016	08/09/2016
16H0470-09	SB-11 (7'-8')	Soil	08/09/2016	08/09/2016
16H0470-10	Trip Blank	Water	08/09/2016	08/09/2016

General Notes for York Project (SDG) No.: 16H0470

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 samples were received in proper condition for analysis with proper documentation, unless otherwise noted.
6. All analyses conducted met method or Laboratory SOP requirements. See the Qualifiers and/or Narrative sections for further information.
7. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
8. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.

Approved By:



Benjamin Gulizia
Laboratory Director

Date: 08/16/2016





Sample Information

Client Sample ID: SB-3 (2'-3')

York Sample ID: 16H0470-01

York Project (SDG) No.

16H0470

Client Project ID

1678 & 1700 Park Avenue

Matrix

Soil

Collection Date/Time

August 9, 2016 10:40 am

Date Received

08/09/2016

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	08/12/2016 17:24	08/13/2016 04:49	BK
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	08/12/2016 17:24	08/13/2016 04:49	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	08/12/2016 17:24	08/13/2016 04:49	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	08/12/2016 17:24	08/13/2016 04:49	BK
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	08/12/2016 17:24	08/13/2016 04:49	BK
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	08/12/2016 17:24	08/13/2016 04:49	BK
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	08/12/2016 17:24	08/13/2016 04:49	BK
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	08/12/2016 17:24	08/13/2016 04:49	BK
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	08/12/2016 17:24	08/13/2016 04:49	BK
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	08/12/2016 17:24	08/13/2016 04:49	BK
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	08/12/2016 17:24	08/13/2016 04:49	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	08/12/2016 17:24	08/13/2016 04:49	BK
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	08/12/2016 17:24	08/13/2016 04:49	BK
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	08/12/2016 17:24	08/13/2016 04:49	BK
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	08/12/2016 17:24	08/13/2016 04:49	BK
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	08/12/2016 17:24	08/13/2016 04:49	BK
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	08/12/2016 17:24	08/13/2016 04:49	BK
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	08/12/2016 17:24	08/13/2016 04:49	BK
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	08/12/2016 17:24	08/13/2016 04:49	BK
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.048	0.096	1	EPA 8260C Certifications:	08/12/2016 17:24	08/13/2016 04:49	BK
78-93-3	2-Butanone	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	08/12/2016 17:24	08/13/2016 04:49	BK
591-78-6	2-Hexanone	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	08/12/2016 17:24	08/13/2016 04:49	BK
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	08/12/2016 17:24	08/13/2016 04:49	BK



Sample Information

Client Sample ID: SB-3 (2'-3')

York Sample ID: 16H0470-01

York Project (SDG) No.
16H0470

Client Project ID
1678 & 1700 Park Avenue

Matrix
Soil

Collection Date/Time
August 9, 2016 10:40 am

Date Received
08/09/2016

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-64-1	Acetone	0.0089	J	mg/kg dry	0.0048	0.0096	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:24	08/13/2016 04:49	BK
107-02-8	Acrolein	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:24	08/13/2016 04:49	BK
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:24	08/13/2016 04:49	BK
71-43-2	Benzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:24	08/13/2016 04:49	BK
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/12/2016 17:24	08/13/2016 04:49	BK
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:24	08/13/2016 04:49	BK
75-25-2	Bromoform	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:24	08/13/2016 04:49	BK
74-83-9	Bromomethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:24	08/13/2016 04:49	BK
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:24	08/13/2016 04:49	BK
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:24	08/13/2016 04:49	BK
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:24	08/13/2016 04:49	BK
75-00-3	Chloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:24	08/13/2016 04:49	BK
67-66-3	Chloroform	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:24	08/13/2016 04:49	BK
74-87-3	Chloromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:24	08/13/2016 04:49	BK
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:24	08/13/2016 04:49	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:24	08/13/2016 04:49	BK
110-82-7	Cyclohexane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/12/2016 17:24	08/13/2016 04:49	BK
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:24	08/13/2016 04:49	BK
74-95-3	Dibromomethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/12/2016 17:24	08/13/2016 04:49	BK
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/12/2016 17:24	08/13/2016 04:49	BK
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:24	08/13/2016 04:49	BK
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/12/2016 17:24	08/13/2016 04:49	BK
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:24	08/13/2016 04:49	BK
79-20-9	Methyl acetate	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/12/2016 17:24	08/13/2016 04:49	BK



Sample Information

Client Sample ID: SB-3 (2'-3')

York Sample ID: 16H0470-01

York Project (SDG) No.

16H0470

Client Project ID

1678 & 1700 Park Avenue

Matrix

Soil

Collection Date/Time

August 9, 2016 10:40 am

Date Received

08/09/2016

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:24	08/13/2016 04:49	BK
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/12/2016 17:24	08/13/2016 04:49	BK
75-09-2	Methylene chloride	0.0056	J	mg/kg dry	0.0048	0.0096	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:24	08/13/2016 04:49	BK
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:24	08/13/2016 04:49	BK
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:24	08/13/2016 04:49	BK
95-47-6	o-Xylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854	08/12/2016 17:24	08/13/2016 04:49	BK
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854	08/12/2016 17:24	08/13/2016 04:49	BK
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:24	08/13/2016 04:49	BK
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:24	08/13/2016 04:49	BK
100-42-5	Styrene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:24	08/13/2016 04:49	BK
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/12/2016 17:24	08/13/2016 04:49	BK
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:24	08/13/2016 04:49	BK
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:24	08/13/2016 04:49	BK
108-88-3	Toluene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:24	08/13/2016 04:49	BK
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:24	08/13/2016 04:49	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:24	08/13/2016 04:49	BK
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:24	08/13/2016 04:49	BK
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:24	08/13/2016 04:49	BK
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:24	08/13/2016 04:49	BK
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0072	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:24	08/13/2016 04:49	BK
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	102 %	77-125								
2037-26-5	Surrogate: Toluene-d8	99.9 %	85-120								
460-00-4	Surrogate: p-Bromofluorobenzene	99.7 %	76-130								



Sample Information

Client Sample ID: SB-3 (2'-3')

York Sample ID: 16H0470-01

York Project (SDG) No.

16H0470

Client Project ID

1678 & 1700 Park Avenue

Matrix

Soil

Collection Date/Time

August 9, 2016 10:40 am

Date Received

08/09/2016

Semi-Volatiles, 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	0.0970	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 16:42	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0970	0.194	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 16:42	SR
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0486	0.0970	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 16:42	SR
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0486	0.0970	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/12/2016 12:24	08/15/2016 16:42	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0486	0.0970	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 16:42	SR
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0486	0.0970	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/12/2016 12:24	08/15/2016 16:42	SR
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0486	0.0970	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/12/2016 12:24	08/15/2016 16:42	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0970	0.194	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 16:42	SR
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0486	0.0970	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 16:42	SR
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0486	0.0970	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 16:42	SR
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0486	0.0970	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 16:42	SR
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0486	0.0970	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 16:42	SR
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0970	0.194	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 16:42	SR
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0486	0.0970	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 16:42	SR
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0486	0.0970	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 16:42	SR
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0486	0.0970	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 16:42	SR
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0486	0.0970	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 16:42	SR
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0486	0.0970	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 16:42	SR
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0486	0.0970	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 16:42	SR
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0970	0.194	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 16:42	SR
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0486	0.0970	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 16:42	SR
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0486	0.0970	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 16:42	SR
91-94-1	3,3'-Dichlorobenzidine	ND		mg/kg dry	0.0486	0.0970	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 16:42	SR



Sample Information

Client Sample ID: SB-3 (2'-3')

York Sample ID: 16H0470-01

York Project (SDG) No.

16H0470

Client Project ID

1678 & 1700 Park Avenue

Matrix

Soil

Collection Date/Time

August 9, 2016 10:40 am

Date Received

08/09/2016

Semi-Volatiles, 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	0.0970	0.194	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 16:42	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0970	0.194	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 16:42	SR
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0486	0.0970	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 16:42	SR
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0486	0.0970	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 16:42	SR
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0486	0.0970	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 16:42	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0486	0.0970	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 16:42	SR
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0970	0.194	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 16:42	SR
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0970	0.194	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 16:42	SR
83-32-9	Acenaphthene	0.0566	J	mg/kg dry	0.0486	0.0970	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 16:42	SR
208-96-8	Acenaphthylene	0.902		mg/kg dry	0.0486	0.0970	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 16:42	SR
98-86-2	Acetophenone	ND		mg/kg dry	0.0486	0.0970	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 16:42	SR
62-53-3	Aniline	ND		mg/kg dry	0.194	0.389	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 16:42	SR
120-12-7	Anthracene	0.362		mg/kg dry	0.0486	0.0970	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 16:42	SR
1912-24-9	Atrazine	ND		mg/kg dry	0.0486	0.0970	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 16:42	SR
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0486	0.0970	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 16:42	SR
92-87-5	Benzidine	ND		mg/kg dry	0.194	0.389	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	08/12/2016 12:24	08/15/2016 16:42	SR
56-55-3	Benzo(a)anthracene	0.631		mg/kg dry	0.0486	0.0970	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 16:42	SR
50-32-8	Benzo(a)pyrene	0.404	IS-01	mg/kg dry	0.0486	0.0970	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 16:42	SR
205-99-2	Benzo(b)fluoranthene	0.552	IS-01	mg/kg dry	0.0486	0.0970	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 16:42	SR
191-24-2	Benzo(g,h,i)perylene	1.07	IS-01	mg/kg dry	0.0486	0.0970	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 16:42	SR
207-08-9	Benzo(k)fluoranthene	0.396	IS-01	mg/kg dry	0.0486	0.0970	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 16:42	SR
65-85-0	Benzoic acid	ND		mg/kg dry	0.0486	0.0970	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 16:42	SR
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0486	0.0970	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 16:42	SR



Sample Information

Client Sample ID: SB-3 (2'-3')

York Sample ID: 16H0470-01

York Project (SDG) No.

16H0470

Client Project ID

1678 & 1700 Park Avenue

Matrix

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08/09/2016

Semi-Volatiles, 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	0.0486	0.0970	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 16:42	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0486	0.0970	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 16:42	SR
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0486	0.0970	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 16:42	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0486	0.0970	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 16:42	SR
117-81-7	Bis(2-ethylhexyl)phthalate	0.309		mg/kg dry	0.0486	0.0970	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 16:42	SR
105-60-2	Caprolactam	ND		mg/kg dry	0.0970	0.194	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 16:42	SR
86-74-8	Carbazole	0.264		mg/kg dry	0.0486	0.0970	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 16:42	SR
218-01-9	Chrysene	1.20	IS-01	mg/kg dry	0.0486	0.0970	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 16:42	SR
53-70-3	Dibenzo(a,h)anthracene	0.221	IS-01	mg/kg dry	0.0486	0.0970	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 16:42	SR
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0486	0.0970	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 16:42	SR
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0486	0.0970	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 16:42	SR
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0486	0.0970	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 16:42	SR
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0486	0.0970	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 16:42	SR
117-84-0	Di-n-octyl phthalate	ND	IS-01	mg/kg dry	0.0486	0.0970	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 16:42	SR
206-44-0	Fluoranthene	1.29		mg/kg dry	0.0486	0.0970	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 16:42	SR
86-73-7	Fluorene	0.158		mg/kg dry	0.0486	0.0970	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 16:42	SR
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0486	0.0970	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 16:42	SR
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0486	0.0970	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 16:42	SR
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0486	0.0970	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 16:42	SR
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0486	0.0970	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 16:42	SR
193-39-5	Indeno(1,2,3-cd)pyrene	0.831	IS-01	mg/kg dry	0.0486	0.0970	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 16:42	SR
78-59-1	Isophorone	ND		mg/kg dry	0.0486	0.0970	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 16:42	SR
91-20-3	Naphthalene	ND		mg/kg dry	0.0486	0.0970	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 16:42	SR



Sample Information

Client Sample ID: SB-3 (2'-3')

York Sample ID: 16H0470-01

York Project (SDG) No.

16H0470

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08/09/2016

Semi-Volatiles, 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	0.0486	0.0970	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 16:42	SR
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0486	0.0970	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 16:42	SR
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0486	0.0970	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 16:42	SR
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0486	0.0970	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 16:42	SR
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0486	0.0970	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 16:42	SR
85-01-8	Phenanthrene	1.01		mg/kg dry	0.0486	0.0970	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 16:42	SR
108-95-2	Phenol	ND		mg/kg dry	0.0486	0.0970	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 16:42	SR
129-00-0	Pyrene	1.68		mg/kg dry	0.0486	0.0970	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 16:42	SR
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: 2-Fluorophenol	55.1 %	20-108								
4165-62-2	Surrogate: Phenol-d5	59.7 %	23-114								
4165-60-0	Surrogate: Nitrobenzene-d5	74.3 %	22-108								
321-60-8	Surrogate: 2-Fluorobiphenyl	53.0 %	21-113								
118-79-6	Surrogate: 2,4,6-Tribromophenol	51.2 %	19-110								
1718-51-0	Surrogate: Terphenyl-d14	44.3 %	24-116								

Pesticides, 8081 target list

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
72-54-8	4,4'-DDD	0.0224		mg/kg dry	0.00192	0.00192	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/15/2016 18:56	AMC
72-55-9	4,4'-DDE	0.00622		mg/kg dry	0.00192	0.00192	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/15/2016 18:56	AMC
50-29-3	4,4'-DDT	0.00532		mg/kg dry	0.00192	0.00192	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/15/2016 18:56	AMC
309-00-2	Aldrin	ND		mg/kg dry	0.00192	0.00192	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/15/2016 18:56	AMC
319-84-6	alpha-BHC	ND		mg/kg dry	0.00192	0.00192	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/15/2016 18:56	AMC
5103-71-9	alpha-Chlordane	0.00412		mg/kg dry	0.00192	0.00192	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/10/2016 14:50	08/15/2016 18:56	AMC
319-85-7	beta-BHC	ND		mg/kg dry	0.00192	0.00192	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/15/2016 18:56	AMC
57-74-9	Chlordane, total	ND		mg/kg dry	0.0768	0.0768	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/15/2016 18:56	AMC



Sample Information

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16H0470

Client Project ID

1678 & 1700 Park Avenue

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Collection Date/Time

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Date Received

08/09/2016

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
319-86-8	delta-BHC	ND		mg/kg dry	0.00192	0.00192	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/15/2016 18:56	AMC
60-57-1	Dieldrin	0.00680		mg/kg dry	0.00192	0.00192	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/15/2016 18:56	AMC
959-98-8	Endosulfan I	ND		mg/kg dry	0.00192	0.00192	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/15/2016 18:56	AMC
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00192	0.00192	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/15/2016 18:56	AMC
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00192	0.00192	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/15/2016 18:56	AMC
72-20-8	Endrin	ND		mg/kg dry	0.00192	0.00192	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/15/2016 18:56	AMC
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00192	0.00192	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/15/2016 18:56	AMC
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00192	0.00192	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/15/2016 18:56	AMC
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00192	0.00192	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/15/2016 18:56	AMC
5566-34-7	gamma-Chlordane	0.00459		mg/kg dry	0.00192	0.00192	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/10/2016 14:50	08/15/2016 18:56	AMC
76-44-8	Heptachlor	ND		mg/kg dry	0.00192	0.00192	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/15/2016 18:56	AMC
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00192	0.00192	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/15/2016 18:56	AMC
72-43-5	Methoxychlor	ND		mg/kg dry	0.00960	0.00960	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/15/2016 18:56	AMC
8001-35-2	Toxaphene	ND		mg/kg dry	0.0971	0.0971	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/15/2016 18:56	AMC
Surrogate Recoveries		Result	Acceptance Range								
877-09-8	Surrogate: Tetrachloro-m-xylene	37.9 %	30-140								
2051-24-3	Surrogate: Decachlorobiphenyl	55.8 %	30-140								

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0194	0.0194	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/10/2016 14:50	08/11/2016 21:14	AMC
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0194	0.0194	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/10/2016 14:50	08/11/2016 21:14	AMC
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0194	0.0194	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/10/2016 14:50	08/11/2016 21:14	AMC
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0194	0.0194	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/10/2016 14:50	08/11/2016 21:14	AMC



Sample Information

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York Project (SDG) No.
16H0470

Client Project ID
1678 & 1700 Park Avenue

Matrix
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August 9, 2016 10:40 am

Date Received
08/09/2016

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0194	0.0194	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/10/2016 14:50	08/11/2016 21:14	AMC
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0194	0.0194	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/10/2016 14:50	08/11/2016 21:14	AMC
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0194	0.0194	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/10/2016 14:50	08/11/2016 21:14	AMC
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0194	0.0194	1	EPA 8082A Certifications:	08/10/2016 14:50	08/11/2016 21:14	AMC
Surrogate Recoveries		Result		Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	35.5 %		30-140							
2051-24-3	Surrogate: Decachlorobiphenyl	39.5 %		30-140							

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	4070		mg/kg dry	5.82	5.82	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 00:30	KV
7440-36-0	Antimony	0.698		mg/kg dry	0.582	0.582	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 00:30	KV
7440-38-2	Arsenic	5.22		mg/kg dry	1.16	1.16	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 00:30	KV
7440-39-3	Barium	1340		mg/kg dry	1.16	1.16	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 00:30	KV
7440-41-7	Beryllium	ND		mg/kg dry	0.116	0.116	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 00:30	KV
7440-43-9	Cadmium	1.12		mg/kg dry	0.349	0.349	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 00:30	KV
7440-70-2	Calcium	59600		mg/kg dry	0.582	5.82	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 00:30	KV
7440-47-3	Chromium	16.0		mg/kg dry	0.582	0.582	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 00:30	KV
7440-48-4	Cobalt	6.14		mg/kg dry	0.582	0.582	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 00:30	KV
7440-50-8	Copper	25.0		mg/kg dry	0.582	0.582	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 00:30	KV
7439-89-6	Iron	10200		mg/kg dry	2.33	2.33	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 00:30	KV
7439-92-1	Lead	640		mg/kg dry	0.349	0.349	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 00:30	KV
7439-95-4	Magnesium	7940		mg/kg dry	5.82	5.82	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 00:30	KV
7439-96-5	Manganese	175		mg/kg dry	0.582	0.582	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 00:30	KV



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Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-02-0	Nickel	12.7		mg/kg dry	0.582	0.582	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 00:30	KV
7440-09-7	Potassium	814		mg/kg dry	5.82	5.82	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 00:30	KV
7782-49-2	Selenium	ND		mg/kg dry	1.16	1.16	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 00:30	KV
7440-22-4	Silver	ND		mg/kg dry	0.582	0.582	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 00:30	KV
7440-23-5	Sodium	443		mg/kg dry	11.6	11.6	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 10:41	08/12/2016 00:30	KV
7440-28-0	Thallium	ND		mg/kg dry	1.16	1.16	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 00:30	KV
7440-62-2	Vanadium	22.6		mg/kg dry	1.16	1.16	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 00:30	KV
7440-66-6	Zinc	708		mg/kg dry	1.16	1.16	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 00:30	KV

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.401		mg/kg dry	0.0349	0.0349	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	08/11/2016 06:24	08/11/2016 11:27	ALD

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	86.0		%	0.100	0.100	1	SM 2540G Certifications: CTDOH	08/10/2016 14:12	08/10/2016 15:55	LAB

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.407	0.582	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	08/15/2016 08:39	08/15/2016 14:04	LAB

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst



Sample Information

Client Sample ID: SB-3 (2'-3')

York Sample ID: 16H0470-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

16H0470

1678 & 1700 Park Avenue

Soil

August 9, 2016 10:40 am

08/09/2016

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	16.0		mg/kg	0.250	0.500	1	Calculation	08/16/2016 16:45	08/16/2016 16:46	AD
Certifications:											

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	2.68		mg/kg dry	0.582	0.582	1	EPA 9014/9010C	08/15/2016 08:13	08/15/2016 13:09	LAB
Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP											

Sample Information

Client Sample ID: SB-3 (9'-10')

York Sample ID: 16H0470-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

16H0470

1678 & 1700 Park Avenue

Soil

August 9, 2016 10:45 am

08/09/2016

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.19	0.38	100	EPA 8260C	08/16/2016 08:00	08/16/2016 12:00	BK
Certifications: CTDOH,NELAC-NY10854,NJDEP											
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.19	0.38	100	EPA 8260C	08/16/2016 08:00	08/16/2016 12:00	BK
Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP											
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.19	0.38	100	EPA 8260C	08/16/2016 08:00	08/16/2016 12:00	BK
Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP											
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.19	0.38	100	EPA 8260C	08/16/2016 08:00	08/16/2016 12:00	BK
Certifications: CTDOH,NELAC-NY10854,NJDEP											
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.19	0.38	100	EPA 8260C	08/16/2016 08:00	08/16/2016 12:00	BK
Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP											
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.19	0.38	100	EPA 8260C	08/16/2016 08:00	08/16/2016 12:00	BK
Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP											
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.19	0.38	100	EPA 8260C	08/16/2016 08:00	08/16/2016 12:00	BK
Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP											
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.19	0.38	100	EPA 8260C	08/16/2016 08:00	08/16/2016 12:00	BK
Certifications: NELAC-NY10854,NJDEP											
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.19	0.38	100	EPA 8260C	08/16/2016 08:00	08/16/2016 12:00	BK
Certifications: NELAC-NY10854,NJDEP											
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.19	0.38	100	EPA 8260C	08/16/2016 08:00	08/16/2016 12:00	BK
Certifications: NELAC-NY10854,NJDEP											
95-63-6	1,2,4-Trimethylbenzene	0.34	J	mg/kg dry	0.19	0.38	100	EPA 8260C	08/16/2016 08:00	08/16/2016 12:00	BK
Certifications: CTDOH,NELAC-NY10854,NJDEP											



Sample Information

Client Sample ID: SB-3 (9'-10')

York Sample ID: 16H0470-02

York Project (SDG) No.

16H0470

Client Project ID

1678 & 1700 Park Avenue

Matrix

Soil

Collection Date/Time

August 9, 2016 10:45 am

Date Received

08/09/2016

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.19	0.38	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/16/2016 08:00	08/16/2016 12:00	BK
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.19	0.38	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/16/2016 08:00	08/16/2016 12:00	BK
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.19	0.38	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 08:00	08/16/2016 12:00	BK
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.19	0.38	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 08:00	08/16/2016 12:00	BK
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.19	0.38	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/16/2016 08:00	08/16/2016 12:00	BK
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.19	0.38	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/16/2016 08:00	08/16/2016 12:00	BK
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.19	0.38	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 08:00	08/16/2016 12:00	BK
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.19	0.38	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 08:00	08/16/2016 12:00	BK
123-91-1	1,4-Dioxane	ND		mg/kg dry	3.8	7.6	100	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/16/2016 08:00	08/16/2016 12:00	BK
78-93-3	2-Butanone	0.31	J	mg/kg dry	0.19	0.38	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/16/2016 08:00	08/16/2016 12:00	BK
591-78-6	2-Hexanone	ND		mg/kg dry	0.19	0.38	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/16/2016 08:00	08/16/2016 12:00	BK
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.19	0.38	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/16/2016 08:00	08/16/2016 12:00	BK
67-64-1	Acetone	ND		mg/kg dry	0.38	0.76	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/16/2016 08:00	08/16/2016 12:00	BK
107-02-8	Acrolein	ND		mg/kg dry	0.38	0.76	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/16/2016 08:00	08/16/2016 12:00	BK
107-13-1	Acrylonitrile	ND		mg/kg dry	0.19	0.38	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/16/2016 08:00	08/16/2016 12:00	BK
71-43-2	Benzene	ND		mg/kg dry	0.19	0.38	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 08:00	08/16/2016 12:00	BK
74-97-5	Bromochloromethane	ND		mg/kg dry	0.19	0.38	100	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/16/2016 08:00	08/16/2016 12:00	BK
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.19	0.38	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 08:00	08/16/2016 12:00	BK
75-25-2	Bromoform	ND		mg/kg dry	0.19	0.38	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 08:00	08/16/2016 12:00	BK
74-83-9	Bromomethane	ND		mg/kg dry	0.19	0.38	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 08:00	08/16/2016 12:00	BK
75-15-0	Carbon disulfide	ND		mg/kg dry	0.19	0.38	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/16/2016 08:00	08/16/2016 12:00	BK
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.19	0.38	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 08:00	08/16/2016 12:00	BK
108-90-7	Chlorobenzene	ND		mg/kg dry	0.19	0.38	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 08:00	08/16/2016 12:00	BK
75-00-3	Chloroethane	ND		mg/kg dry	0.19	0.38	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 08:00	08/16/2016 12:00	BK



Sample Information

Client Sample ID: SB-3 (9'-10')

York Sample ID: 16H0470-02

York Project (SDG) No.
16H0470

Client Project ID
1678 & 1700 Park Avenue

Matrix
Soil

Collection Date/Time
August 9, 2016 10:45 am

Date Received
08/09/2016

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-66-3	Chloroform	ND		mg/kg dry	0.19	0.38	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 08:00	08/16/2016 12:00	BK
74-87-3	Chloromethane	ND		mg/kg dry	0.19	0.38	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 08:00	08/16/2016 12:00	BK
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.19	0.38	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/16/2016 08:00	08/16/2016 12:00	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.19	0.38	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 08:00	08/16/2016 12:00	BK
110-82-7	Cyclohexane	ND		mg/kg dry	0.19	0.38	100	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/16/2016 08:00	08/16/2016 12:00	BK
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.19	0.38	100	EPA 8260C Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2016 08:00	08/16/2016 12:00	BK
74-95-3	Dibromomethane	ND		mg/kg dry	0.19	0.38	100	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/16/2016 08:00	08/16/2016 12:00	BK
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.19	0.38	100	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/16/2016 08:00	08/16/2016 12:00	BK
100-41-4	Ethyl Benzene	0.24	J	mg/kg dry	0.19	0.38	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 08:00	08/16/2016 12:00	BK
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.19	0.38	100	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/16/2016 08:00	08/16/2016 12:00	BK
98-82-8	Isopropylbenzene	0.38	J	mg/kg dry	0.19	0.38	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/16/2016 08:00	08/16/2016 12:00	BK
79-20-9	Methyl acetate	2.1		mg/kg dry	0.19	0.38	100	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/16/2016 08:00	08/16/2016 12:00	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.19	0.38	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/16/2016 08:00	08/16/2016 12:00	BK
108-87-2	Methylcyclohexane	0.54		mg/kg dry	0.19	0.38	100	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/16/2016 08:00	08/16/2016 12:00	BK
75-09-2	Methylene chloride	ND		mg/kg dry	0.38	0.76	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 08:00	08/16/2016 12:00	BK
104-51-8	n-Butylbenzene	1.3		mg/kg dry	0.19	0.38	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/16/2016 08:00	08/16/2016 12:00	BK
103-65-1	n-Propylbenzene	0.80		mg/kg dry	0.19	0.38	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/16/2016 08:00	08/16/2016 12:00	BK
95-47-6	o-Xylene	ND		mg/kg dry	0.19	0.38	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854	08/16/2016 08:00	08/16/2016 12:00	BK
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.38	0.76	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854	08/16/2016 08:00	08/16/2016 12:00	BK
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.19	0.38	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/16/2016 08:00	08/16/2016 12:00	BK
135-98-8	sec-Butylbenzene	1.0		mg/kg dry	0.19	0.38	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/16/2016 08:00	08/16/2016 12:00	BK
100-42-5	Styrene	ND		mg/kg dry	0.19	0.38	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/16/2016 08:00	08/16/2016 12:00	BK
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.19	0.38	100	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/16/2016 08:00	08/16/2016 12:00	BK



Sample Information

Client Sample ID: SB-3 (9'-10')

York Sample ID: 16H0470-02

York Project (SDG) No.

16H0470

Client Project ID

1678 & 1700 Park Avenue

Matrix

Soil

Collection Date/Time

August 9, 2016 10:45 am

Date Received

08/09/2016

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.19	0.38	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/16/2016 08:00	08/16/2016 12:00	BK
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.19	0.38	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 08:00	08/16/2016 12:00	BK
108-88-3	Toluene	ND		mg/kg dry	0.19	0.38	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 08:00	08/16/2016 12:00	BK
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.19	0.38	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/16/2016 08:00	08/16/2016 12:00	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.19	0.38	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 08:00	08/16/2016 12:00	BK
79-01-6	Trichloroethylene	ND		mg/kg dry	0.19	0.38	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 08:00	08/16/2016 12:00	BK
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.19	0.38	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 08:00	08/16/2016 12:00	BK
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.19	0.38	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 08:00	08/16/2016 12:00	BK
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.57	1.1	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 08:00	08/16/2016 12:00	BK
Surrogate Recoveries		Result		Acceptance Range							
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	86.1 %				77-125					
2037-26-5	Surrogate: Toluene-d8	95.8 %				85-120					
460-00-4	Surrogate: p-Bromofluorobenzene	95.3 %				76-130					

Semi-Volatiles, 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	0.227	0.453	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 12:01	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.453	0.904	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 12:01	SR
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 12:01	SR
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/12/2016 12:24	08/15/2016 12:01	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 12:01	SR
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/12/2016 12:24	08/15/2016 12:01	SR
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/12/2016 12:24	08/15/2016 12:01	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.453	0.904	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 12:01	SR
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 12:01	SR



Sample Information

Client Sample ID: SB-3 (9'-10')

York Sample ID: 16H0470-02

York Project (SDG) No.

16H0470

Client Project ID

1678 & 1700 Park Avenue

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August 9, 2016 10:45 am

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08/09/2016

Semi-Volatiles, 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
88-06-2	2,4-Trichlorophenol	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 12:01	SR
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 12:01	SR
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 12:01	SR
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.453	0.904	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 12:01	SR
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 12:01	SR
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 12:01	SR
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 12:01	SR
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 12:01	SR
91-57-6	2-Methylnaphthalene	2.90		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 12:01	SR
95-48-7	2-Methylphenol	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 12:01	SR
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.453	0.904	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 12:01	SR
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 12:01	SR
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 12:01	SR
91-94-1	3,3'-Dichlorobenzidine	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 12:01	SR
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.453	0.904	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 12:01	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.453	0.904	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 12:01	SR
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 12:01	SR
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 12:01	SR
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 12:01	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 12:01	SR
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.453	0.904	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 12:01	SR
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.453	0.904	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 12:01	SR
83-32-9	Acenaphthene	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 12:01	SR
208-96-8	Acenaphthylene	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 12:01	SR



Sample Information

Client Sample ID: SB-3 (9'-10')

York Sample ID: 16H0470-02

York Project (SDG) No.
16H0470

Client Project ID
1678 & 1700 Park Avenue

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Collection Date/Time
August 9, 2016 10:45 am

Date Received
08/09/2016

Semi-Volatiles, 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
98-86-2	Acetophenone	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 12:01	SR
62-53-3	Aniline	ND		mg/kg dry	0.907	1.81	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 12:01	SR
120-12-7	Anthracene	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 12:01	SR
1912-24-9	Atrazine	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 12:01	SR
100-52-7	Benzaldehyde	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 12:01	SR
92-87-5	Benzidine	ND		mg/kg dry	0.907	1.81	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	08/12/2016 12:24	08/15/2016 12:01	SR
56-55-3	Benzo(a)anthracene	0.347	J	mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 12:01	SR
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 12:01	SR
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 12:01	SR
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 12:01	SR
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 12:01	SR
65-85-0	Benzoic acid	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 12:01	SR
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 12:01	SR
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 12:01	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 12:01	SR
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 12:01	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 12:01	SR
117-81-7	Bis(2-ethylhexyl)phthalate	0.565		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 12:01	SR
105-60-2	Caprolactam	ND		mg/kg dry	0.453	0.904	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 12:01	SR
86-74-8	Carbazole	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 12:01	SR
218-01-9	Chrysene	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 12:01	SR
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 12:01	SR
132-64-9	Dibenzofuran	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 12:01	SR



Sample Information

Client Sample ID: SB-3 (9'-10')

York Sample ID: 16H0470-02

York Project (SDG) No.

16H0470

Client Project ID

1678 & 1700 Park Avenue

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Soil

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August 9, 2016 10:45 am

Date Received

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Semi-Volatiles, 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
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 12:01	SR
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 12:01	SR
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 12:01	SR
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 12:01	SR
206-44-0	Fluoranthene	0.702		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 12:01	SR
86-73-7	Fluorene	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 12:01	SR
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 12:01	SR
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 12:01	SR
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 12:01	SR
67-72-1	Hexachloroethane	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 12:01	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 12:01	SR
78-59-1	Isophorone	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 12:01	SR
91-20-3	Naphthalene	0.803		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 12:01	SR
98-95-3	Nitrobenzene	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 12:01	SR
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 12:01	SR
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 12:01	SR
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 12:01	SR
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 12:01	SR
85-01-8	Phenanthrene	10.4		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 12:01	SR
108-95-2	Phenol	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 12:01	SR
129-00-0	Pyrene	2.78		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 12:01	SR

Surrogate Recoveries		Result	Acceptance Range
367-12-4	Surrogate: 2-Fluorophenol	67.7 %	20-108
4165-62-2	Surrogate: Phenol-d5	73.7 %	23-114
4165-60-0	Surrogate: Nitrobenzene-d5	103 %	22-108



Sample Information

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Date Received

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Semi-Volatiles, 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: 2-Fluorobiphenyl	89.2 %			21-113						
118-79-6	Surrogate: 2,4,6-Tribromophenol	70.8 %			19-110						
1718-51-0	Surrogate: Terphenyl-d14	68.9 %			24-116						

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00179	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/15/2016 19:11	AMC
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00179	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/15/2016 19:11	AMC
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00179	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/15/2016 19:11	AMC
309-00-2	Aldrin	ND		mg/kg dry	0.00179	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/15/2016 19:11	AMC
319-84-6	alpha-BHC	ND		mg/kg dry	0.00179	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/15/2016 19:11	AMC
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00179	0.00179	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/10/2016 14:50	08/15/2016 19:11	AMC
319-85-7	beta-BHC	ND		mg/kg dry	0.00179	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/15/2016 19:11	AMC
57-74-9	Chlordane, total	ND		mg/kg dry	0.0717	0.0717	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/15/2016 19:11	AMC
319-86-8	delta-BHC	ND		mg/kg dry	0.00179	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/15/2016 19:11	AMC
60-57-1	Dieldrin	ND		mg/kg dry	0.00179	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/15/2016 19:11	AMC
959-98-8	Endosulfan I	ND		mg/kg dry	0.00179	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/15/2016 19:11	AMC
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00179	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/15/2016 19:11	AMC
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00179	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/15/2016 19:11	AMC
72-20-8	Endrin	ND		mg/kg dry	0.00179	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/15/2016 19:11	AMC
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00179	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/15/2016 19:11	AMC
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00179	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/15/2016 19:11	AMC
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00179	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/15/2016 19:11	AMC
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00179	0.00179	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/10/2016 14:50	08/15/2016 19:11	AMC
76-44-8	Heptachlor	ND		mg/kg dry	0.00179	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/15/2016 19:11	AMC



Sample Information

Client Sample ID: SB-3 (9'-10')

York Sample ID: 16H0470-02

York Project (SDG) No.
16H0470

Client Project ID
1678 & 1700 Park Avenue

Matrix
Soil

Collection Date/Time
August 9, 2016 10:45 am

Date Received
08/09/2016

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00179	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/15/2016 19:11	AMC
72-43-5	Methoxychlor	ND		mg/kg dry	0.00896	0.00896	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/15/2016 19:11	AMC
8001-35-2	Toxaphene	ND		mg/kg dry	0.0907	0.0907	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/15/2016 19:11	AMC
Surrogate Recoveries		Result		Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	46.7 %		30-140							
2051-24-3	Surrogate: Decachlorobiphenyl	66.4 %		30-140							

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0181	0.0181	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/10/2016 14:50	08/11/2016 21:33	AMC
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0181	0.0181	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/10/2016 14:50	08/11/2016 21:33	AMC
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0181	0.0181	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/10/2016 14:50	08/11/2016 21:33	AMC
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0181	0.0181	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/10/2016 14:50	08/11/2016 21:33	AMC
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0181	0.0181	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/10/2016 14:50	08/11/2016 21:33	AMC
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0181	0.0181	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/10/2016 14:50	08/11/2016 21:33	AMC
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0181	0.0181	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/10/2016 14:50	08/11/2016 21:33	AMC
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0181	0.0181	1	EPA 8082A Certifications:	08/10/2016 14:50	08/11/2016 21:33	AMC
Surrogate Recoveries		Result		Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	55.0 %		30-140							
2051-24-3	Surrogate: Decachlorobiphenyl	49.0 %		30-140							

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	7400		mg/kg dry	5.43	5.43	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 00:37	KV
7440-36-0	Antimony	ND		mg/kg dry	0.543	0.543	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 00:37	KV



Sample Information

Client Sample ID: SB-3 (9'-10')

York Sample ID: 16H0470-02

York Project (SDG) No.
16H0470

Client Project ID
1678 & 1700 Park Avenue

Matrix
Soil

Collection Date/Time
August 9, 2016 10:45 am

Date Received
08/09/2016

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	1.60		mg/kg dry	1.09	1.09	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 00:37	KV
7440-39-3	Barium	49.9		mg/kg dry	1.09	1.09	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 00:37	KV
7440-41-7	Beryllium	ND		mg/kg dry	0.109	0.109	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 00:37	KV
7440-43-9	Cadmium	0.374		mg/kg dry	0.326	0.326	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 00:37	KV
7440-70-2	Calcium	16800		mg/kg dry	0.543	5.43	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 00:37	KV
7440-47-3	Chromium	14.9		mg/kg dry	0.543	0.543	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 00:37	KV
7440-48-4	Cobalt	8.53		mg/kg dry	0.543	0.543	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 00:37	KV
7440-50-8	Copper	18.5		mg/kg dry	0.543	0.543	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 00:37	KV
7439-89-6	Iron	12900		mg/kg dry	2.17	2.17	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 00:37	KV
7439-92-1	Lead	9.28		mg/kg dry	0.326	0.326	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 00:37	KV
7439-95-4	Magnesium	13800		mg/kg dry	5.43	5.43	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 00:37	KV
7439-96-5	Manganese	303		mg/kg dry	0.543	0.543	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 00:37	KV
7440-02-0	Nickel	14.7		mg/kg dry	0.543	0.543	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 00:37	KV
7440-09-7	Potassium	2450		mg/kg dry	5.43	5.43	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 00:37	KV
7782-49-2	Selenium	ND		mg/kg dry	1.09	1.09	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 00:37	KV
7440-22-4	Silver	ND		mg/kg dry	0.543	0.543	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 00:37	KV
7440-23-5	Sodium	251		mg/kg dry	10.9	10.9	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 00:37	KV
7440-28-0	Thallium	ND		mg/kg dry	1.09	1.09	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 00:37	KV
7440-62-2	Vanadium	24.1		mg/kg dry	1.09	1.09	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 00:37	KV
7440-66-6	Zinc	105		mg/kg dry	1.09	1.09	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 00:37	KV

Mercury by 7473

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: SB-3 (9'-10')

York Sample ID: 16H0470-02

York Project (SDG) No.
16H0470

Client Project ID
1678 & 1700 Park Avenue

Matrix
Soil

Collection Date/Time
August 9, 2016 10:45 am

Date Received
08/09/2016

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0326	0.0326	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	08/11/2016 06:24	08/11/2016 11:36	ALD

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	92.1		%	0.100	0.100	1	SM 2540G Certifications: CTDOH	08/10/2016 14:12	08/10/2016 15:55	LAB

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.380	0.543	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	08/15/2016 08:39	08/15/2016 14:04	LAB

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	14.9		mg/kg	0.250	0.500	1	Calculation Certifications:	08/16/2016 16:45	08/16/2016 16:46	AD

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.543	0.543	1	EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2016 08:13	08/15/2016 13:09	LAB

Sample Information

Client Sample ID: SB-4 (1'-2')

York Sample ID: 16H0470-03

York Project (SDG) No.
16H0470

Client Project ID
1678 & 1700 Park Avenue

Matrix
Soil

Collection Date/Time
August 9, 2016 9:55 am

Date Received
08/09/2016

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst



Sample Information

Client Sample ID: SB-4 (1'-2')

York Sample ID: 16H0470-03

York Project (SDG) No.

16H0470

Client Project ID

1678 & 1700 Park Avenue

Matrix

Soil

Collection Date/Time

August 9, 2016 9:55 am

Date Received

08/09/2016

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 01:52	SS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 01:52	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 01:52	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,NJDEP	08/12/2016 17:27	08/13/2016 01:52	SS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 01:52	SS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 01:52	SS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 01:52	SS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 01:52	SS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 01:52	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 01:52	SS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 01:52	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 01:52	SS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 01:52	SS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 01:52	SS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 01:52	SS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 01:52	SS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 01:52	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 01:52	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 01:52	SS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.043	0.087	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 01:52	SS
78-93-3	2-Butanone	0.0090		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 01:52	SS
591-78-6	2-Hexanone	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 01:52	SS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 01:52	SS



Sample Information

Client Sample ID: SB-4 (1'-2')

York Sample ID: 16H0470-03

York Project (SDG) No.

16H0470

Client Project ID

1678 & 1700 Park Avenue

Matrix

Soil

Collection Date/Time

August 9, 2016 9:55 am

Date Received

08/09/2016

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-64-1	Acetone	0.043		mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 01:52	SS
107-02-8	Acrolein	ND		mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 01:52	SS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 01:52	SS
71-43-2	Benzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 01:52	SS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 01:52	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 01:52	SS
75-25-2	Bromoform	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 01:52	SS
74-83-9	Bromomethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 01:52	SS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 01:52	SS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 01:52	SS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 01:52	SS
75-00-3	Chloroethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 01:52	SS
67-66-3	Chloroform	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 01:52	SS
74-87-3	Chloromethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 01:52	SS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 01:52	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 01:52	SS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 01:52	SS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 01:52	SS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 01:52	SS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 01:52	SS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 01:52	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 01:52	SS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 01:52	SS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 01:52	SS



Sample Information

Client Sample ID: SB-4 (1'-2')

York Sample ID: 16H0470-03

York Project (SDG) No.

16H0470

Client Project ID

1678 & 1700 Park Avenue

Matrix

Soil

Collection Date/Time

August 9, 2016 9:55 am

Date Received

08/09/2016

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 01:52	SS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 01:52	SS
75-09-2	Methylene chloride	0.0046	J	mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 01:52	SS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 01:52	SS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 01:52	SS
95-47-6	o-Xylene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854	08/12/2016 17:27	08/13/2016 01:52	SS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854	08/12/2016 17:27	08/13/2016 01:52	SS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 01:52	SS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 01:52	SS
100-42-5	Styrene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 01:52	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 01:52	SS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 01:52	SS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 01:52	SS
108-88-3	Toluene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 01:52	SS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 01:52	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 01:52	SS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 01:52	SS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 01:52	SS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 01:52	SS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0065	0.013	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 01:52	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	109 %	77-125								
2037-26-5	Surrogate: Toluene-d8	101 %	85-120								
460-00-4	Surrogate: p-Bromofluorobenzene	104 %	76-130								



Sample Information

Client Sample ID: SB-4 (1'-2')

York Sample ID: 16H0470-03

York Project (SDG) No.

16H0470

Client Project ID

1678 & 1700 Park Avenue

Matrix

Soil

Collection Date/Time

August 9, 2016 9:55 am

Date Received

08/09/2016

Semi-Volatiles, 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	0.0494	0.0985	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 13:35	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0985	0.197	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 13:35	SR
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0494	0.0985	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 13:35	SR
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0494	0.0985	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/12/2016 12:24	08/15/2016 13:35	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0494	0.0985	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 13:35	SR
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0494	0.0985	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/12/2016 12:24	08/15/2016 13:35	SR
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0494	0.0985	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/12/2016 12:24	08/15/2016 13:35	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0985	0.197	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 13:35	SR
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0494	0.0985	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 13:35	SR
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0494	0.0985	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 13:35	SR
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0494	0.0985	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 13:35	SR
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0494	0.0985	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 13:35	SR
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0985	0.197	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 13:35	SR
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0494	0.0985	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 13:35	SR
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0494	0.0985	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 13:35	SR
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0494	0.0985	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 13:35	SR
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0494	0.0985	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 13:35	SR
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0494	0.0985	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 13:35	SR
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0494	0.0985	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 13:35	SR
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0985	0.197	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 13:35	SR
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0494	0.0985	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 13:35	SR
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0494	0.0985	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 13:35	SR
91-94-1	3,3'-Dichlorobenzidine	ND		mg/kg dry	0.0494	0.0985	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 13:35	SR



Sample Information

Client Sample ID: SB-4 (1'-2')

York Sample ID: 16H0470-03

York Project (SDG) No.

16H0470

Client Project ID

1678 & 1700 Park Avenue

Matrix

Soil

Collection Date/Time

August 9, 2016 9:55 am

Date Received

08/09/2016

Semi-Volatiles, 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	0.0985	0.197	2	EPA 8270D Certifications:	08/12/2016 12:24	08/15/2016 13:35	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0985	0.197	2	EPA 8270D Certifications:	08/12/2016 12:24	08/15/2016 13:35	SR
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0494	0.0985	2	EPA 8270D Certifications:	08/12/2016 12:24	08/15/2016 13:35	SR
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0494	0.0985	2	EPA 8270D Certifications:	08/12/2016 12:24	08/15/2016 13:35	SR
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0494	0.0985	2	EPA 8270D Certifications:	08/12/2016 12:24	08/15/2016 13:35	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0494	0.0985	2	EPA 8270D Certifications:	08/12/2016 12:24	08/15/2016 13:35	SR
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0985	0.197	2	EPA 8270D Certifications:	08/12/2016 12:24	08/15/2016 13:35	SR
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0985	0.197	2	EPA 8270D Certifications:	08/12/2016 12:24	08/15/2016 13:35	SR
83-32-9	Acenaphthene	0.150		mg/kg dry	0.0494	0.0985	2	EPA 8270D Certifications:	08/12/2016 12:24	08/15/2016 13:35	SR
208-96-8	Acenaphthylene	0.337		mg/kg dry	0.0494	0.0985	2	EPA 8270D Certifications:	08/12/2016 12:24	08/15/2016 13:35	SR
98-86-2	Acetophenone	ND		mg/kg dry	0.0494	0.0985	2	EPA 8270D Certifications:	08/12/2016 12:24	08/15/2016 13:35	SR
62-53-3	Aniline	ND		mg/kg dry	0.197	0.395	2	EPA 8270D Certifications:	08/12/2016 12:24	08/15/2016 13:35	SR
120-12-7	Anthracene	0.570		mg/kg dry	0.0494	0.0985	2	EPA 8270D Certifications:	08/12/2016 12:24	08/15/2016 13:35	SR
1912-24-9	Atrazine	ND		mg/kg dry	0.0494	0.0985	2	EPA 8270D Certifications:	08/12/2016 12:24	08/15/2016 13:35	SR
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0494	0.0985	2	EPA 8270D Certifications:	08/12/2016 12:24	08/15/2016 13:35	SR
92-87-5	Benzidine	ND		mg/kg dry	0.197	0.395	2	EPA 8270D Certifications:	08/12/2016 12:24	08/15/2016 13:35	SR
56-55-3	Benzo(a)anthracene	1.85		mg/kg dry	0.0494	0.0985	2	EPA 8270D Certifications:	08/12/2016 12:24	08/15/2016 13:35	SR
50-32-8	Benzo(a)pyrene	0.664		mg/kg dry	0.0494	0.0985	2	EPA 8270D Certifications:	08/12/2016 12:24	08/15/2016 13:35	SR
205-99-2	Benzo(b)fluoranthene	1.03		mg/kg dry	0.0494	0.0985	2	EPA 8270D Certifications:	08/12/2016 12:24	08/15/2016 13:35	SR
191-24-2	Benzo(g,h,i)perylene	0.395	IS-06	mg/kg dry	0.0494	0.0985	2	EPA 8270D Certifications:	08/12/2016 12:24	08/15/2016 13:35	SR
207-08-9	Benzo(k)fluoranthene	0.705		mg/kg dry	0.0494	0.0985	2	EPA 8270D Certifications:	08/12/2016 12:24	08/15/2016 13:35	SR
65-85-0	Benzoic acid	ND		mg/kg dry	0.0494	0.0985	2	EPA 8270D Certifications:	08/12/2016 12:24	08/15/2016 13:35	SR
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0494	0.0985	2	EPA 8270D Certifications:	08/12/2016 12:24	08/15/2016 13:35	SR



Sample Information

Client Sample ID: SB-4 (1'-2')

York Sample ID: 16H0470-03

York Project (SDG) No.

16H0470

Client Project ID

1678 & 1700 Park Avenue

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Soil

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August 9, 2016 9:55 am

Date Received

08/09/2016

Semi-Volatiles, 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	0.0494	0.0985	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 13:35	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0494	0.0985	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 13:35	SR
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0494	0.0985	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 13:35	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0494	0.0985	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 13:35	SR
117-81-7	Bis(2-ethylhexyl)phthalate	0.502		mg/kg dry	0.0494	0.0985	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 13:35	SR
105-60-2	Caprolactam	ND		mg/kg dry	0.0985	0.197	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 13:35	SR
86-74-8	Carbazole	0.352		mg/kg dry	0.0494	0.0985	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 13:35	SR
218-01-9	Chrysene	1.67		mg/kg dry	0.0494	0.0985	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 13:35	SR
53-70-3	Dibenzo(a,h)anthracene	0.154	IS-06	mg/kg dry	0.0494	0.0985	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 13:35	SR
132-64-9	Dibenzofuran	0.149		mg/kg dry	0.0494	0.0985	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 13:35	SR
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0494	0.0985	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 13:35	SR
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0494	0.0985	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 13:35	SR
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0494	0.0985	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 13:35	SR
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0494	0.0985	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 13:35	SR
206-44-0	Fluoranthene	3.14		mg/kg dry	0.0494	0.0985	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 13:35	SR
86-73-7	Fluorene	0.295		mg/kg dry	0.0494	0.0985	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 13:35	SR
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0494	0.0985	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 13:35	SR
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0494	0.0985	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 13:35	SR
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0494	0.0985	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 13:35	SR
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0494	0.0985	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 13:35	SR
193-39-5	Indeno(1,2,3-cd)pyrene	0.395	IS-06	mg/kg dry	0.0494	0.0985	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 13:35	SR
78-59-1	Isophorone	ND		mg/kg dry	0.0494	0.0985	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 13:35	SR
91-20-3	Naphthalene	0.0732	J	mg/kg dry	0.0494	0.0985	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 13:35	SR



Sample Information

Client Sample ID: SB-4 (1'-2')

York Sample ID: 16H0470-03

York Project (SDG) No.

16H0470

Client Project ID

1678 & 1700 Park Avenue

Matrix

Soil

Collection Date/Time

August 9, 2016 9:55 am

Date Received

08/09/2016

Semi-Volatiles, 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	0.0494	0.0985	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 13:35	SR
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0494	0.0985	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 13:35	SR
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0494	0.0985	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 13:35	SR
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0494	0.0985	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 13:35	SR
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0494	0.0985	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 13:35	SR
85-01-8	Phenanthrene	2.12		mg/kg dry	0.0494	0.0985	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 13:35	SR
108-95-2	Phenol	ND		mg/kg dry	0.0494	0.0985	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 13:35	SR
129-00-0	Pyrene	3.35		mg/kg dry	0.0494	0.0985	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 13:35	SR
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: 2-Fluorophenol	64.8 %	20-108								
4165-62-2	Surrogate: Phenol-d5	73.1 %	23-114								
4165-60-0	Surrogate: Nitrobenzene-d5	66.1 %	22-108								
321-60-8	Surrogate: 2-Fluorobiphenyl	76.3 %	21-113								
118-79-6	Surrogate: 2,4,6-Tribromophenol	84.6 %	19-110								
1718-51-0	Surrogate: Terphenyl-d14	71.1 %	24-116								

Pesticides, 8081 target list

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
72-54-8	4,4'-DDD	0.0898		mg/kg dry	0.00195	0.00195	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/15/2016 19:26	AMC
72-55-9	4,4'-DDE	0.0301		mg/kg dry	0.00195	0.00195	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/15/2016 19:26	AMC
50-29-3	4,4'-DDT	0.0407		mg/kg dry	0.00195	0.00195	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/15/2016 19:26	AMC
309-00-2	Aldrin	ND		mg/kg dry	0.00195	0.00195	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/15/2016 19:26	AMC
319-84-6	alpha-BHC	ND		mg/kg dry	0.00195	0.00195	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/15/2016 19:26	AMC
5103-71-9	alpha-Chlordane	0.00570		mg/kg dry	0.00195	0.00195	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/10/2016 14:50	08/15/2016 19:26	AMC
319-85-7	beta-BHC	ND		mg/kg dry	0.00195	0.00195	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/15/2016 19:26	AMC
57-74-9	Chlordane, total	ND		mg/kg dry	0.0780	0.0780	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/15/2016 19:26	AMC



Sample Information

Client Sample ID: SB-4 (1'-2')

York Sample ID: 16H0470-03

York Project (SDG) No.

16H0470

Client Project ID

1678 & 1700 Park Avenue

Matrix

Soil

Collection Date/Time

August 9, 2016 9:55 am

Date Received

08/09/2016

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
319-86-8	delta-BHC	ND		mg/kg dry	0.00195	0.00195	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/15/2016 19:26	AMC
60-57-1	Dieldrin	ND		mg/kg dry	0.00195	0.00195	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/15/2016 19:26	AMC
959-98-8	Endosulfan I	ND		mg/kg dry	0.00195	0.00195	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/15/2016 19:26	AMC
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00195	0.00195	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/15/2016 19:26	AMC
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00195	0.00195	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/15/2016 19:26	AMC
72-20-8	Endrin	ND		mg/kg dry	0.00195	0.00195	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/15/2016 19:26	AMC
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00195	0.00195	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/15/2016 19:26	AMC
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00195	0.00195	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/15/2016 19:26	AMC
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00195	0.00195	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/15/2016 19:26	AMC
5566-34-7	gamma-Chlordane	0.00648		mg/kg dry	0.00195	0.00195	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/10/2016 14:50	08/15/2016 19:26	AMC
76-44-8	Heptachlor	ND		mg/kg dry	0.00195	0.00195	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/15/2016 19:26	AMC
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00195	0.00195	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/15/2016 19:26	AMC
72-43-5	Methoxychlor	ND		mg/kg dry	0.00974	0.00974	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/15/2016 19:26	AMC
8001-35-2	Toxaphene	ND		mg/kg dry	0.0986	0.0986	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/15/2016 19:26	AMC
Surrogate Recoveries		Result	Acceptance Range								
877-09-8	Surrogate: Tetrachloro-m-xylene	42.2 %	30-140								
2051-24-3	Surrogate: Decachlorobiphenyl	79.1 %	30-140								

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0197	0.0197	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/10/2016 14:50	08/11/2016 21:52	AMC
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0197	0.0197	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/10/2016 14:50	08/11/2016 21:52	AMC
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0197	0.0197	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/10/2016 14:50	08/11/2016 21:52	AMC
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0197	0.0197	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/10/2016 14:50	08/11/2016 21:52	AMC
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0197	0.0197	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/10/2016 14:50	08/11/2016 21:52	AMC



Sample Information

Client Sample ID: SB-4 (1'-2')

York Sample ID: 16H0470-03

York Project (SDG) No.
16H0470

Client Project ID
1678 & 1700 Park Avenue

Matrix
Soil

Collection Date/Time
August 9, 2016 9:55 am

Date Received
08/09/2016

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0197	0.0197	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/10/2016 14:50	08/11/2016 21:52	AMC
11096-82-5	Aroclor 1260	0.130		mg/kg dry	0.0197	0.0197	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/10/2016 14:50	08/11/2016 21:52	AMC
1336-36-3	* Total PCBs	0.130		mg/kg dry	0.0197	0.0197	1	EPA 8082A Certifications:	08/10/2016 14:50	08/11/2016 21:52	AMC
Surrogate Recoveries		Result		Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	60.0 %		30-140							
2051-24-3	Surrogate: Decachlorobiphenyl	57.0 %		30-140							

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	19100		mg/kg dry	5.91	5.91	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 00:42	KV
7440-36-0	Antimony	ND		mg/kg dry	0.591	0.591	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 00:42	KV
7440-38-2	Arsenic	5.98		mg/kg dry	1.18	1.18	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 00:42	KV
7440-39-3	Barium	151		mg/kg dry	1.18	1.18	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 00:42	KV
7440-41-7	Beryllium	ND		mg/kg dry	0.118	0.118	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 00:42	KV
7440-43-9	Cadmium	ND		mg/kg dry	0.354	0.354	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 00:42	KV
7440-70-2	Calcium	3400		mg/kg dry	0.591	5.91	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 00:42	KV
7440-47-3	Chromium	27.3		mg/kg dry	0.591	0.591	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 00:42	KV
7440-48-4	Cobalt	14.1		mg/kg dry	0.591	0.591	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 00:42	KV
7440-50-8	Copper	208		mg/kg dry	0.591	0.591	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 00:42	KV
7439-89-6	Iron	25200		mg/kg dry	2.36	2.36	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 00:42	KV
7439-92-1	Lead	60.8		mg/kg dry	0.354	0.354	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 00:42	KV
7439-95-4	Magnesium	5130		mg/kg dry	5.91	5.91	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 00:42	KV
7439-96-5	Manganese	1380		mg/kg dry	0.591	0.591	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 00:42	KV



Sample Information

Client Sample ID: SB-4 (1'-2')

York Sample ID: 16H0470-03

York Project (SDG) No.

16H0470

Client Project ID

1678 & 1700 Park Avenue

Matrix

Soil

Collection Date/Time

August 9, 2016 9:55 am

Date Received

08/09/2016

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-02-0	Nickel	23.7		mg/kg dry	0.591	0.591	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 00:42	KV
7440-09-7	Potassium	2550		mg/kg dry	5.91	5.91	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 00:42	KV
7782-49-2	Selenium	3.00		mg/kg dry	1.18	1.18	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 00:42	KV
7440-22-4	Silver	ND		mg/kg dry	0.591	0.591	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 00:42	KV
7440-23-5	Sodium	946		mg/kg dry	11.8	11.8	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 10:41	08/12/2016 00:42	KV
7440-28-0	Thallium	ND		mg/kg dry	1.18	1.18	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 00:42	KV
7440-62-2	Vanadium	41.7		mg/kg dry	1.18	1.18	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 00:42	KV
7440-66-6	Zinc	195		mg/kg dry	1.18	1.18	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 00:42	KV

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.320		mg/kg dry	0.0354	0.0354	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	08/11/2016 06:26	08/11/2016 16:34	ALD

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	84.7		%	0.100	0.100	1	SM 2540G Certifications: CTDOH	08/10/2016 14:12	08/10/2016 15:55	LAB

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.413	0.591	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	08/15/2016 08:39	08/15/2016 14:04	LAB

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst



Sample Information

Client Sample ID: SB-4 (1'-2')

York Sample ID: 16H0470-03

York Project (SDG) No.

16H0470

Client Project ID

1678 & 1700 Park Avenue

Matrix

Soil

Collection Date/Time

August 9, 2016 9:55 am

Date Received

08/09/2016

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	27.3		mg/kg	0.250	0.500	1	Calculation Certifications:	08/16/2016 16:45	08/16/2016 16:46	AD

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.591	0.591	1	EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/16/2016 08:17	08/16/2016 14:05	AD

Sample Information

Client Sample ID: SB-4 (14'-15')

York Sample ID: 16H0470-04

York Project (SDG) No.

16H0470

Client Project ID

1678 & 1700 Park Avenue

Matrix

Soil

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Date Received

08/09/2016

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to 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,NJDEP	08/12/2016 17:27	08/13/2016 02:26	SS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 02:26	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 02:26	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,NJDEP	08/12/2016 17:27	08/13/2016 02:26	SS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 02:26	SS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 02:26	SS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 02:26	SS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 02:26	SS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 02:26	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 02:26	SS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 02:26	SS



Sample Information

Client Sample ID: SB-4 (14'-15')

York Sample ID: 16H0470-04

York Project (SDG) No.

16H0470

Client Project ID

1678 & 1700 Park Avenue

Matrix

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Collection Date/Time

August 9, 2016 10:05 am

Date Received

08/09/2016

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 02:26	SS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 02:26	SS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 02:26	SS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 02:26	SS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 02:26	SS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 02:26	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 02:26	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 02:26	SS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.045	0.089	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 02:26	SS
78-93-3	2-Butanone	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 02:26	SS
591-78-6	2-Hexanone	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 02:26	SS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 02:26	SS
67-64-1	Acetone	ND		mg/kg dry	0.0045	0.0089	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 02:26	SS
107-02-8	Acrolein	ND		mg/kg dry	0.0045	0.0089	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 02:26	SS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 02:26	SS
71-43-2	Benzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 02:26	SS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 02:26	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 02:26	SS
75-25-2	Bromoform	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 02:26	SS
74-83-9	Bromomethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 02:26	SS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 02:26	SS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 02:26	SS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 02:26	SS
75-00-3	Chloroethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 02:26	SS



Sample Information

Client Sample ID: SB-4 (14'-15')

York Sample ID: 16H0470-04

York Project (SDG) No.

16H0470

Client Project ID

1678 & 1700 Park Avenue

Matrix

Soil

Collection Date/Time

August 9, 2016 10:05 am

Date Received

08/09/2016

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-66-3	Chloroform	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 02:26	SS
74-87-3	Chloromethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 02:26	SS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 02:26	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 02:26	SS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 02:26	SS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 02:26	SS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 02:26	SS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 02:26	SS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 02:26	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 02:26	SS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 02:26	SS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 02:26	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 02:26	SS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 02:26	SS
75-09-2	Methylene chloride	0.0070	J	mg/kg dry	0.0045	0.0089	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 02:26	SS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 02:26	SS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 02:26	SS
95-47-6	o-Xylene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854	08/12/2016 17:27	08/13/2016 02:26	SS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0045	0.0089	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854	08/12/2016 17:27	08/13/2016 02:26	SS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 02:26	SS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 02:26	SS
100-42-5	Styrene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 02:26	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 02:26	SS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 02:26	SS



Sample Information

Client Sample ID: SB-4 (14'-15')

York Sample ID: 16H0470-04

York Project (SDG) No.

16H0470

Client Project ID

1678 & 1700 Park Avenue

Matrix

Soil

Collection Date/Time

August 9, 2016 10:05 am

Date Received

08/09/2016

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 02:26	SS
108-88-3	Toluene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 02:26	SS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 02:26	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 02:26	SS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 02:26	SS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 02:26	SS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 02:26	SS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0067	0.013	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 02:26	SS
Surrogate Recoveries		Result		Acceptance Range							
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	112 %				77-125					
2037-26-5	Surrogate: Toluene-d8	97.4 %				85-120					
460-00-4	Surrogate: p-Bromofluorobenzene	94.4 %				76-130					

Semi-Volatiles, 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	0.0450	0.0897	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/14/2016 02:29	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0897	0.179	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/14/2016 02:29	SR
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0450	0.0897	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/14/2016 02:29	SR
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0450	0.0897	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/12/2016 12:24	08/14/2016 02:29	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0450	0.0897	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/14/2016 02:29	SR
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0450	0.0897	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/12/2016 12:24	08/14/2016 02:29	SR
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0450	0.0897	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/12/2016 12:24	08/14/2016 02:29	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0897	0.179	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/14/2016 02:29	SR
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0450	0.0897	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/14/2016 02:29	SR
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0450	0.0897	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/14/2016 02:29	SR



Sample Information

Client Sample ID: SB-4 (14'-15')

York Sample ID: 16H0470-04

York Project (SDG) No.
16H0470

Client Project ID
1678 & 1700 Park Avenue

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Collection Date/Time
August 9, 2016 10:05 am

Date Received
08/09/2016

Semi-Volatiles, 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
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0450	0.0897	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/14/2016 02:29	SR
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0450	0.0897	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/14/2016 02:29	SR
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0897	0.179	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/14/2016 02:29	SR
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0450	0.0897	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/14/2016 02:29	SR
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0450	0.0897	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/14/2016 02:29	SR
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0450	0.0897	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/14/2016 02:29	SR
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0450	0.0897	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/14/2016 02:29	SR
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0450	0.0897	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/14/2016 02:29	SR
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0450	0.0897	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/14/2016 02:29	SR
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0897	0.179	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/14/2016 02:29	SR
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0450	0.0897	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/14/2016 02:29	SR
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0450	0.0897	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/14/2016 02:29	SR
91-94-1	3,3'-Dichlorobenzidine	ND		mg/kg dry	0.0450	0.0897	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/14/2016 02:29	SR
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0897	0.179	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/14/2016 02:29	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0897	0.179	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/14/2016 02:29	SR
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0450	0.0897	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/14/2016 02:29	SR
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0450	0.0897	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/14/2016 02:29	SR
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0450	0.0897	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/14/2016 02:29	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0450	0.0897	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/14/2016 02:29	SR
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0897	0.179	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/14/2016 02:29	SR
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0897	0.179	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/14/2016 02:29	SR
83-32-9	Acenaphthene	ND		mg/kg dry	0.0450	0.0897	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/14/2016 02:29	SR
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0450	0.0897	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/14/2016 02:29	SR
98-86-2	Acetophenone	ND		mg/kg dry	0.0450	0.0897	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/14/2016 02:29	SR



Sample Information

Client Sample ID: SB-4 (14'-15')

York Sample ID: 16H0470-04

York Project (SDG) No.
16H0470

Client Project ID
1678 & 1700 Park Avenue

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Soil

Collection Date/Time
August 9, 2016 10:05 am

Date Received
08/09/2016

Semi-Volatiles, 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	0.180	0.359	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/14/2016 02:29	SR
120-12-7	Anthracene	ND		mg/kg dry	0.0450	0.0897	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/14/2016 02:29	SR
1912-24-9	Atrazine	ND		mg/kg dry	0.0450	0.0897	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/14/2016 02:29	SR
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0450	0.0897	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/14/2016 02:29	SR
92-87-5	Benzidine	ND		mg/kg dry	0.180	0.359	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	08/12/2016 12:24	08/14/2016 02:29	SR
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0450	0.0897	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/14/2016 02:29	SR
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0450	0.0897	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/14/2016 02:29	SR
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0450	0.0897	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/14/2016 02:29	SR
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0450	0.0897	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/14/2016 02:29	SR
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0450	0.0897	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/14/2016 02:29	SR
65-85-0	Benzoic acid	ND		mg/kg dry	0.0450	0.0897	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/14/2016 02:29	SR
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0450	0.0897	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/14/2016 02:29	SR
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0450	0.0897	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/14/2016 02:29	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0450	0.0897	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/14/2016 02:29	SR
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0450	0.0897	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/14/2016 02:29	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0450	0.0897	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/14/2016 02:29	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0450	0.0897	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/14/2016 02:29	SR
105-60-2	Caprolactam	ND		mg/kg dry	0.0897	0.179	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/14/2016 02:29	SR
86-74-8	Carbazole	ND		mg/kg dry	0.0450	0.0897	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/14/2016 02:29	SR
218-01-9	Chrysene	ND		mg/kg dry	0.0450	0.0897	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/14/2016 02:29	SR
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0450	0.0897	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/14/2016 02:29	SR
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0450	0.0897	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/14/2016 02:29	SR
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0450	0.0897	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/14/2016 02:29	SR
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0450	0.0897	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/14/2016 02:29	SR



Sample Information

Client Sample ID: SB-4 (14'-15')

York Sample ID: 16H0470-04

York Project (SDG) No.

16H0470

Client Project ID

1678 & 1700 Park Avenue

Matrix

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Collection Date/Time

August 9, 2016 10:05 am

Date Received

08/09/2016

Semi-Volatiles, 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	0.0450	0.0897	2	EPA 8270D Certifications:	08/12/2016 12:24 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2016 02:29	SR
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0450	0.0897	2	EPA 8270D Certifications:	08/12/2016 12:24 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2016 02:29	SR
206-44-0	Fluoranthene	ND		mg/kg dry	0.0450	0.0897	2	EPA 8270D Certifications:	08/12/2016 12:24 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2016 02:29	SR
86-73-7	Fluorene	ND		mg/kg dry	0.0450	0.0897	2	EPA 8270D Certifications:	08/12/2016 12:24 NELAC-NY10854,NJDEP,PADEP	08/14/2016 02:29	SR
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0450	0.0897	2	EPA 8270D Certifications:	08/12/2016 12:24 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2016 02:29	SR
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0450	0.0897	2	EPA 8270D Certifications:	08/12/2016 12:24 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2016 02:29	SR
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0450	0.0897	2	EPA 8270D Certifications:	08/12/2016 12:24 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2016 02:29	SR
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0450	0.0897	2	EPA 8270D Certifications:	08/12/2016 12:24 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2016 02:29	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0450	0.0897	2	EPA 8270D Certifications:	08/12/2016 12:24 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2016 02:29	SR
78-59-1	Isophorone	ND		mg/kg dry	0.0450	0.0897	2	EPA 8270D Certifications:	08/12/2016 12:24 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2016 02:29	SR
91-20-3	Naphthalene	ND		mg/kg dry	0.0450	0.0897	2	EPA 8270D Certifications:	08/12/2016 12:24 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2016 02:29	SR
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0450	0.0897	2	EPA 8270D Certifications:	08/12/2016 12:24 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2016 02:29	SR
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0450	0.0897	2	EPA 8270D Certifications:	08/12/2016 12:24 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2016 02:29	SR
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0450	0.0897	2	EPA 8270D Certifications:	08/12/2016 12:24 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2016 02:29	SR
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0450	0.0897	2	EPA 8270D Certifications:	08/12/2016 12:24 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2016 02:29	SR
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0450	0.0897	2	EPA 8270D Certifications:	08/12/2016 12:24 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2016 02:29	SR
85-01-8	Phenanthrene	ND		mg/kg dry	0.0450	0.0897	2	EPA 8270D Certifications:	08/12/2016 12:24 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2016 02:29	SR
108-95-2	Phenol	ND		mg/kg dry	0.0450	0.0897	2	EPA 8270D Certifications:	08/12/2016 12:24 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2016 02:29	SR
129-00-0	Pyrene	ND		mg/kg dry	0.0450	0.0897	2	EPA 8270D Certifications:	08/12/2016 12:24 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2016 02:29	SR
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: 2-Fluorophenol	59.0 %	20-108								
4165-62-2	Surrogate: Phenol-d5	66.3 %	23-114								
4165-60-0	Surrogate: Nitrobenzene-d5	59.0 %	22-108								
321-60-8	Surrogate: 2-Fluorobiphenyl	66.1 %	21-113								
118-79-6	Surrogate: 2,4,6-Tribromophenol	75.7 %	19-110								
1718-51-0	Surrogate: Terphenyl-d14	58.6 %	24-116								



Sample Information

Client Sample ID: SB-4 (14'-15')

York Sample ID: 16H0470-04

York Project (SDG) No.

16H0470

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1678 & 1700 Park Avenue

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Collection Date/Time

August 9, 2016 10:05 am

Date Received

08/09/2016

Pesticides, 8081 target list

Sample Prepared by Method: EPA 3550C

Log-in Notes:

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00177	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/12/2016 21:11	AMC
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00177	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/12/2016 21:11	AMC
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00177	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/12/2016 21:11	AMC
309-00-2	Aldrin	ND		mg/kg dry	0.00177	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/12/2016 21:11	AMC
319-84-6	alpha-BHC	ND		mg/kg dry	0.00177	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/12/2016 21:11	AMC
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00177	0.00177	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/10/2016 14:50	08/12/2016 21:11	AMC
319-85-7	beta-BHC	ND		mg/kg dry	0.00177	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/12/2016 21:11	AMC
57-74-9	Chlordane, total	ND		mg/kg dry	0.0710	0.0710	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/12/2016 21:11	AMC
319-86-8	delta-BHC	ND		mg/kg dry	0.00177	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/12/2016 21:11	AMC
60-57-1	Dieldrin	ND		mg/kg dry	0.00177	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/12/2016 21:11	AMC
959-98-8	Endosulfan I	ND		mg/kg dry	0.00177	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/12/2016 21:11	AMC
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00177	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/12/2016 21:11	AMC
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00177	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/12/2016 21:11	AMC
72-20-8	Endrin	ND		mg/kg dry	0.00177	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/12/2016 21:11	AMC
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00177	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/12/2016 21:11	AMC
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00177	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/12/2016 21:11	AMC
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00177	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/12/2016 21:11	AMC
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00177	0.00177	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/10/2016 14:50	08/12/2016 21:11	AMC
76-44-8	Heptachlor	ND		mg/kg dry	0.00177	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/12/2016 21:11	AMC
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00177	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/12/2016 21:11	AMC
72-43-5	Methoxychlor	ND		mg/kg dry	0.00887	0.00887	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/12/2016 21:11	AMC
8001-35-2	Toxaphene	ND		mg/kg dry	0.0898	0.0898	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/12/2016 21:11	AMC
Surrogate Recoveries		Result	Acceptance Range								
877-09-8	Surrogate: Tetrachloro-m-xylene	78.9 %	30-140								



Sample Information

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August 9, 2016 10:05 am

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Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2051-24-3	Surrogate: Decachlorobiphenyl	89.5 %			30-140						

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0179	0.0179	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/10/2016 14:50	08/11/2016 22:12	AMC
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0179	0.0179	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/10/2016 14:50	08/11/2016 22:12	AMC
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0179	0.0179	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/10/2016 14:50	08/11/2016 22:12	AMC
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0179	0.0179	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/10/2016 14:50	08/11/2016 22:12	AMC
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0179	0.0179	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/10/2016 14:50	08/11/2016 22:12	AMC
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0179	0.0179	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/10/2016 14:50	08/11/2016 22:12	AMC
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0179	0.0179	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/10/2016 14:50	08/11/2016 22:12	AMC
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0179	0.0179	1	EPA 8082A Certifications:	08/10/2016 14:50	08/11/2016 22:12	AMC
Surrogate Recoveries		Result		Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	75.5 %			30-140						
2051-24-3	Surrogate: Decachlorobiphenyl	69.5 %			30-140						

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	11600		mg/kg dry	5.38	5.38	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 00:47	KV
7440-36-0	Antimony	ND		mg/kg dry	0.538	0.538	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 00:47	KV
7440-38-2	Arsenic	1.29		mg/kg dry	1.08	1.08	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 00:47	KV
7440-39-3	Barium	140		mg/kg dry	1.08	1.08	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 00:47	KV
7440-41-7	Beryllium	ND		mg/kg dry	0.108	0.108	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 00:47	KV
7440-43-9	Cadmium	ND		mg/kg dry	0.323	0.323	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 00:47	KV
7440-70-2	Calcium	1010		mg/kg dry	0.538	5.38	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 00:47	KV



Sample Information

Client Sample ID: SB-4 (14'-15')

York Sample ID: 16H0470-04

York Project (SDG) No.

16H0470

Client Project ID

1678 & 1700 Park Avenue

Matrix

Soil

Collection Date/Time

August 9, 2016 10:05 am

Date Received

08/09/2016

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-47-3	Chromium	21.6		mg/kg dry	0.538	0.538	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 00:47	KV
7440-48-4	Cobalt	15.3		mg/kg dry	0.538	0.538	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 00:47	KV
7440-50-8	Copper	22.8		mg/kg dry	0.538	0.538	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 00:47	KV
7439-89-6	Iron	23600		mg/kg dry	2.15	2.15	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 00:47	KV
7439-92-1	Lead	5.17		mg/kg dry	0.323	0.323	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 00:47	KV
7439-95-4	Magnesium	5020		mg/kg dry	5.38	5.38	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 00:47	KV
7439-96-5	Manganese	522		mg/kg dry	0.538	0.538	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 00:47	KV
7440-02-0	Nickel	24.3		mg/kg dry	0.538	0.538	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 00:47	KV
7440-09-7	Potassium	5940		mg/kg dry	5.38	5.38	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 00:47	KV
7782-49-2	Selenium	3.42		mg/kg dry	1.08	1.08	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 00:47	KV
7440-22-4	Silver	ND		mg/kg dry	0.538	0.538	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 00:47	KV
7440-23-5	Sodium	199		mg/kg dry	10.8	10.8	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 10:41	08/12/2016 00:47	KV
7440-28-0	Thallium	ND		mg/kg dry	1.08	1.08	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 00:47	KV
7440-62-2	Vanadium	37.0		mg/kg dry	1.08	1.08	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 00:47	KV
7440-66-6	Zinc	74.1		mg/kg dry	1.08	1.08	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 00:47	KV

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0323	0.0323	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	08/11/2016 06:26	08/11/2016 16:43	ALD

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst



Sample Information

Client Sample ID: SB-4 (14'-15')

York Sample ID: 16H0470-04

York Project (SDG) No.
16H0470

Client Project ID
1678 & 1700 Park Avenue

Matrix
Soil

Collection Date/Time
August 9, 2016 10:05 am

Date Received
08/09/2016

Total Solids

Sample Prepared by Method: % Solids Prep

Log-in Notes:

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	93.0		%	0.100	0.100	1	SM 2540G Certifications: CTDOH	08/10/2016 18:10	08/10/2016 21:04	TJM

Chromium, Hexavalent

Sample Prepared by Method: EPA SW846-3060

Log-in Notes:

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.376	0.538	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	08/15/2016 08:39	08/15/2016 14:04	LAB

Chromium, Trivalent

Sample Prepared by Method: Analysis Preparation

Log-in Notes:

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	21.6		mg/kg	0.250	0.500	1	Calculation Certifications:	08/16/2016 16:45	08/16/2016 16:46	AD

Cyanide, Total

Sample Prepared by Method: Analysis Preparation Soil

Log-in Notes:

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.538	0.538	1	EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/16/2016 08:17	08/16/2016 14:05	AD

Sample Information

Client Sample ID: SB-6 (1'-2')

York Sample ID: 16H0470-05

York Project (SDG) No.
16H0470

Client Project ID
1678 & 1700 Park Avenue

Matrix
Soil

Collection Date/Time
August 9, 2016 2:55 pm

Date Received
08/09/2016

Volatile Organics, 8260 - Comprehensive

Sample Prepared by Method: EPA 5035A

Log-in Notes:

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to 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	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 03:00	SS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 03:00	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 03:00	SS



Sample Information

Client Sample ID: SB-6 (1'-2')

York Sample ID: 16H0470-05

York Project (SDG) No.

16H0470

Client Project ID

1678 & 1700 Park Avenue

Matrix

Soil

Collection Date/Time

August 9, 2016 2:55 pm

Date Received

08/09/2016

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 03:00	SS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 03:00	SS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 03:00	SS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 03:00	SS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 03:00	SS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 03:00	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 03:00	SS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 03:00	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 03:00	SS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 03:00	SS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 03:00	SS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 03:00	SS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 03:00	SS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 03:00	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 03:00	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 03:00	SS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.041	0.083	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 03:00	SS
78-93-3	2-Butanone	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 03:00	SS
591-78-6	2-Hexanone	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 03:00	SS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 03:00	SS
67-64-1	Acetone	0.0046	J	mg/kg dry	0.0041	0.0083	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 03:00	SS
107-02-8	Acrolein	ND		mg/kg dry	0.0041	0.0083	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 03:00	SS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 03:00	SS
71-43-2	Benzene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 03:00	SS



Sample Information

Client Sample ID: SB-6 (1'-2')

York Sample ID: 16H0470-05

York Project (SDG) No.

16H0470

Client Project ID

1678 & 1700 Park Avenue

Matrix

Soil

Collection Date/Time

August 9, 2016 2:55 pm

Date Received

08/09/2016

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 03:00	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 03:00	SS
75-25-2	Bromoform	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 03:00	SS
74-83-9	Bromomethane	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 03:00	SS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 03:00	SS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 03:00	SS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 03:00	SS
75-00-3	Chloroethane	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 03:00	SS
67-66-3	Chloroform	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 03:00	SS
74-87-3	Chloromethane	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 03:00	SS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 03:00	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 03:00	SS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 03:00	SS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 03:00	SS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 03:00	SS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 03:00	SS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 03:00	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 03:00	SS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 03:00	SS
79-20-9	Methyl acetate	0.0049	Cal-E	mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 03:00	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 03:00	SS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 03:00	SS
75-09-2	Methylene chloride	ND		mg/kg dry	0.0041	0.0083	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 03:00	SS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 03:00	SS



Sample Information

Client Sample ID: SB-6 (1'-2')

York Sample ID: 16H0470-05

York Project (SDG) No.

16H0470

Client Project ID

1678 & 1700 Park Avenue

Matrix

Soil

Collection Date/Time

August 9, 2016 2:55 pm

Date Received

08/09/2016

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 03:00	SS
95-47-6	o-Xylene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854	08/12/2016 17:27	08/13/2016 03:00	SS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0041	0.0083	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854	08/12/2016 17:27	08/13/2016 03:00	SS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 03:00	SS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 03:00	SS
100-42-5	Styrene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 03:00	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 03:00	SS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 03:00	SS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 03:00	SS
108-88-3	Toluene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 03:00	SS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 03:00	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 03:00	SS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 03:00	SS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 03:00	SS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 03:00	SS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0062	0.012	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 03:00	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	102 %	77-125								
2037-26-5	Surrogate: Toluene-d8	97.7 %	85-120								
460-00-4	Surrogate: p-Bromofluorobenzene	98.9 %	76-130								

Semi-Volatiles, 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	0.0462	0.0923	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/14/2016 03:01	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0923	0.184	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/14/2016 03:01	SR



Sample Information

Client Sample ID: SB-6 (1'-2')

York Sample ID: 16H0470-05

York Project (SDG) No.

16H0470

Client Project ID

1678 & 1700 Park Avenue

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August 9, 2016 2:55 pm

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08/09/2016

Semi-Volatiles, 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
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0462	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/14/2016 03:01	SR
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0462	0.0923	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/12/2016 12:24	08/14/2016 03:01	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0462	0.0923	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/14/2016 03:01	SR
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0462	0.0923	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/12/2016 12:24	08/14/2016 03:01	SR
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0462	0.0923	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/12/2016 12:24	08/14/2016 03:01	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0923	0.184	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/14/2016 03:01	SR
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0462	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/14/2016 03:01	SR
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0462	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/14/2016 03:01	SR
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0462	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/14/2016 03:01	SR
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0462	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/14/2016 03:01	SR
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0923	0.184	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/14/2016 03:01	SR
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0462	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/14/2016 03:01	SR
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0462	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/14/2016 03:01	SR
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0462	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/14/2016 03:01	SR
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0462	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/14/2016 03:01	SR
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0462	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/14/2016 03:01	SR
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0462	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/14/2016 03:01	SR
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0923	0.184	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/14/2016 03:01	SR
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0462	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/14/2016 03:01	SR
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0462	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/14/2016 03:01	SR
91-94-1	3,3'-Dichlorobenzidine	ND		mg/kg dry	0.0462	0.0923	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/14/2016 03:01	SR
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0923	0.184	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/14/2016 03:01	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0923	0.184	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/14/2016 03:01	SR
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0462	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/14/2016 03:01	SR



Sample Information

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1678 & 1700 Park Avenue

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Semi-Volatiles, 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
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0462	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/14/2016 03:01	SR
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0462	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/14/2016 03:01	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0462	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/14/2016 03:01	SR
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0923	0.184	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/14/2016 03:01	SR
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0923	0.184	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/14/2016 03:01	SR
83-32-9	Acenaphthene	ND		mg/kg dry	0.0462	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/14/2016 03:01	SR
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0462	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/14/2016 03:01	SR
98-86-2	Acetophenone	ND		mg/kg dry	0.0462	0.0923	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/14/2016 03:01	SR
62-53-3	Aniline	ND		mg/kg dry	0.185	0.369	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/14/2016 03:01	SR
120-12-7	Anthracene	ND		mg/kg dry	0.0462	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/14/2016 03:01	SR
1912-24-9	Atrazine	ND		mg/kg dry	0.0462	0.0923	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/14/2016 03:01	SR
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0462	0.0923	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/14/2016 03:01	SR
92-87-5	Benzidine	ND		mg/kg dry	0.185	0.369	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/14/2016 03:01	SR
56-55-3	Benzo(a)anthracene	0.117		mg/kg dry	0.0462	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/14/2016 03:01	SR
50-32-8	Benzo(a)pyrene	0.0796	J	mg/kg dry	0.0462	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/14/2016 03:01	SR
205-99-2	Benzo(b)fluoranthene	0.112		mg/kg dry	0.0462	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/14/2016 03:01	SR
191-24-2	Benzo(g,h,i)perylene	0.0929		mg/kg dry	0.0462	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/14/2016 03:01	SR
207-08-9	Benzo(k)fluoranthene	0.0848	J	mg/kg dry	0.0462	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/14/2016 03:01	SR
65-85-0	Benzoic acid	ND		mg/kg dry	0.0462	0.0923	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/14/2016 03:01	SR
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0462	0.0923	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/14/2016 03:01	SR
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0462	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/14/2016 03:01	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0462	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/14/2016 03:01	SR
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0462	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/14/2016 03:01	SR



Sample Information

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Semi-Volatiles, 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
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0462	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/14/2016 03:01	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0462	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/14/2016 03:01	SR
105-60-2	Caprolactam	ND		mg/kg dry	0.0923	0.184	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/14/2016 03:01	SR
86-74-8	Carbazole	ND		mg/kg dry	0.0462	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/14/2016 03:01	SR
218-01-9	Chrysene	0.159		mg/kg dry	0.0462	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/14/2016 03:01	SR
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0462	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/14/2016 03:01	SR
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0462	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/14/2016 03:01	SR
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0462	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/14/2016 03:01	SR
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0462	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/14/2016 03:01	SR
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0462	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/14/2016 03:01	SR
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0462	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/14/2016 03:01	SR
206-44-0	Fluoranthene	0.254		mg/kg dry	0.0462	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/14/2016 03:01	SR
86-73-7	Fluorene	ND		mg/kg dry	0.0462	0.0923	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/14/2016 03:01	SR
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0462	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/14/2016 03:01	SR
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0462	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/14/2016 03:01	SR
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0462	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/14/2016 03:01	SR
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0462	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/14/2016 03:01	SR
193-39-5	Indeno(1,2,3-cd)pyrene	0.0819	J	mg/kg dry	0.0462	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/14/2016 03:01	SR
78-59-1	Isophorone	ND		mg/kg dry	0.0462	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/14/2016 03:01	SR
91-20-3	Naphthalene	ND		mg/kg dry	0.0462	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/14/2016 03:01	SR
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0462	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/14/2016 03:01	SR
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0462	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/14/2016 03:01	SR
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0462	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/14/2016 03:01	SR



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Semi-Volatiles, 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
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0462	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/14/2016 03:01	SR
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0462	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/14/2016 03:01	SR
85-01-8	Phenanthrene	0.173		mg/kg dry	0.0462	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/14/2016 03:01	SR
108-95-2	Phenol	ND		mg/kg dry	0.0462	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/14/2016 03:01	SR
129-00-0	Pyrene	0.189		mg/kg dry	0.0462	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/14/2016 03:01	SR
Surrogate Recoveries		Result		Acceptance Range							
367-12-4	Surrogate: 2-Fluorophenol	69.0 %		20-108							
4165-62-2	Surrogate: Phenol-d5	70.3 %		23-114							
4165-60-0	Surrogate: Nitrobenzene-d5	58.5 %		22-108							
321-60-8	Surrogate: 2-Fluorobiphenyl	101 %		21-113							
118-79-6	Surrogate: 2,4,6-Tribromophenol	87.1 %		19-110							
1718-51-0	Surrogate: Terphenyl-d14	45.4 %		24-116							

Pesticides, 8081 target list

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
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00183	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/12/2016 21:26	AMC
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00183	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/12/2016 21:26	AMC
50-29-3	4,4'-DDT	0.00601		mg/kg dry	0.00183	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/12/2016 21:26	AMC
309-00-2	Aldrin	ND		mg/kg dry	0.00183	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/12/2016 21:26	AMC
319-84-6	alpha-BHC	ND		mg/kg dry	0.00183	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/12/2016 21:26	AMC
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00183	0.00183	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/10/2016 14:50	08/12/2016 21:26	AMC
319-85-7	beta-BHC	ND		mg/kg dry	0.00183	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/12/2016 21:26	AMC
57-74-9	Chlordane, total	ND		mg/kg dry	0.0730	0.0730	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/12/2016 21:26	AMC
319-86-8	delta-BHC	ND		mg/kg dry	0.00183	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/12/2016 21:26	AMC
60-57-1	Dieldrin	ND		mg/kg dry	0.00183	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/12/2016 21:26	AMC
959-98-8	Endosulfan I	ND		mg/kg dry	0.00183	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/12/2016 21:26	AMC



Sample Information

Client Sample ID: SB-6 (1'-2')

York Sample ID: 16H0470-05

York Project (SDG) No.
16H0470

Client Project ID
1678 & 1700 Park Avenue

Matrix
Soil

Collection Date/Time
August 9, 2016 2:55 pm

Date Received
08/09/2016

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00183	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/12/2016 21:26	AMC
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00183	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/12/2016 21:26	AMC
72-20-8	Endrin	ND		mg/kg dry	0.00183	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/12/2016 21:26	AMC
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00183	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/12/2016 21:26	AMC
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00183	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/12/2016 21:26	AMC
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00183	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/12/2016 21:26	AMC
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00183	0.00183	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/10/2016 14:50	08/12/2016 21:26	AMC
76-44-8	Heptachlor	ND		mg/kg dry	0.00183	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/12/2016 21:26	AMC
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00183	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/12/2016 21:26	AMC
72-43-5	Methoxychlor	ND		mg/kg dry	0.00913	0.00913	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/12/2016 21:26	AMC
8001-35-2	Toxaphene	ND		mg/kg dry	0.0924	0.0924	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/12/2016 21:26	AMC
Surrogate Recoveries		Result		Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	63.8 %		30-140							
2051-24-3	Surrogate: Decachlorobiphenyl	84.6 %		30-140							

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0184	0.0184	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/10/2016 14:50	08/11/2016 22:31	AMC
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0184	0.0184	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/10/2016 14:50	08/11/2016 22:31	AMC
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0184	0.0184	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/10/2016 14:50	08/11/2016 22:31	AMC
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0184	0.0184	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/10/2016 14:50	08/11/2016 22:31	AMC
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0184	0.0184	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/10/2016 14:50	08/11/2016 22:31	AMC
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0184	0.0184	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/10/2016 14:50	08/11/2016 22:31	AMC
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0184	0.0184	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/10/2016 14:50	08/11/2016 22:31	AMC
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0184	0.0184	1	EPA 8082A Certifications:	08/10/2016 14:50	08/11/2016 22:31	AMC



Sample Information

Client Sample ID: SB-6 (1'-2')

York Sample ID: 16H0470-05

York Project (SDG) No.
16H0470

Client Project ID
1678 & 1700 Park Avenue

Matrix
Soil

Collection Date/Time
August 9, 2016 2:55 pm

Date Received
08/09/2016

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
Surrogate Recoveries		Result		Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	52.0 %				30-140					
2051-24-3	Surrogate: Decachlorobiphenyl	50.5 %				30-140					

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	7070		mg/kg dry	5.53	5.53	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 00:51	KV
7440-36-0	Antimony	ND		mg/kg dry	0.553	0.553	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 00:51	KV
7440-38-2	Arsenic	2.11		mg/kg dry	1.11	1.11	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 00:51	KV
7440-39-3	Barium	79.1		mg/kg dry	1.11	1.11	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 00:51	KV
7440-41-7	Beryllium	ND		mg/kg dry	0.111	0.111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 00:51	KV
7440-43-9	Cadmium	ND		mg/kg dry	0.332	0.332	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 00:51	KV
7440-70-2	Calcium	30700		mg/kg dry	0.553	5.53	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 00:51	KV
7440-47-3	Chromium	11.4		mg/kg dry	0.553	0.553	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 00:51	KV
7440-48-4	Cobalt	6.53		mg/kg dry	0.553	0.553	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 00:51	KV
7440-50-8	Copper	8.54		mg/kg dry	0.553	0.553	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 00:51	KV
7439-89-6	Iron	11900		mg/kg dry	2.21	2.21	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 00:51	KV
7439-92-1	Lead	10.3		mg/kg dry	0.332	0.332	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 00:51	KV
7439-95-4	Magnesium	9550		mg/kg dry	5.53	5.53	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 00:51	KV
7439-96-5	Manganese	531		mg/kg dry	0.553	0.553	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 00:51	KV
7440-02-0	Nickel	13.3		mg/kg dry	0.553	0.553	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 00:51	KV
7440-09-7	Potassium	2580		mg/kg dry	5.53	5.53	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 00:51	KV
7782-49-2	Selenium	ND		mg/kg dry	1.11	1.11	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 00:51	KV
7440-22-4	Silver	ND		mg/kg dry	0.553	0.553	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 00:51	KV



Sample Information

Client Sample ID: SB-6 (1'-2')

York Sample ID: 16H0470-05

York Project (SDG) No.

16H0470

Client Project ID

1678 & 1700 Park Avenue

Matrix

Soil

Collection Date/Time

August 9, 2016 2:55 pm

Date Received

08/09/2016

Metals, Target Analyte

Sample Prepared by Method: EPA 3050B

Log-in Notes:

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-23-5	Sodium	354		mg/kg dry	11.1	11.1	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 10:41	08/12/2016 00:51	KV
7440-28-0	Thallium	ND		mg/kg dry	1.11	1.11	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 00:51	KV
7440-62-2	Vanadium	18.0		mg/kg dry	1.11	1.11	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 00:51	KV
7440-66-6	Zinc	30.5		mg/kg dry	1.11	1.11	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 00:51	KV

Mercury by 7473

Sample Prepared by Method: EPA 7473 soil

Log-in Notes:

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.0796		mg/kg dry	0.0332	0.0332	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	08/11/2016 06:26	08/11/2016 16:52	ALD

Total Solids

Sample Prepared by Method: % Solids Prep

Log-in Notes:

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	90.4		%	0.100	0.100	1	SM 2540G Certifications: CTDOH	08/10/2016 18:10	08/10/2016 21:04	TJM

Chromium, Hexavalent

Sample Prepared by Method: EPA SW846-3060

Log-in Notes:

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.387	0.553	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	08/15/2016 08:39	08/15/2016 14:04	LAB

Chromium, Trivalent

Sample Prepared by Method: Analysis Preparation

Log-in Notes:

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	11.4		mg/kg	0.250	0.500	1	Calculation Certifications:	08/16/2016 16:45	08/16/2016 16:46	AD

Cyanide, Total

Sample Prepared by Method: Analysis Preparation Soil

Log-in Notes:

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.553	0.553	1	EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/16/2016 08:17	08/16/2016 14:05	AD



Sample Information

Client Sample ID: SB-6 (1'-2')

York Sample ID: 16H0470-05

<u>York Project (SDG) No.</u> 16H0470	<u>Client Project ID</u> 1678 & 1700 Park Avenue	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 9, 2016 2:55 pm	<u>Date Received</u> 08/09/2016

Sample Information

Client Sample ID: SB-7 (1'-2')

York Sample ID: 16H0470-06

<u>York Project (SDG) No.</u> 16H0470	<u>Client Project ID</u> 1678 & 1700 Park Avenue	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 9, 2016 3:40 pm	<u>Date Received</u> 08/09/2016

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 03:33	SS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 03:33	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 03:33	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 03:33	SS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 03:33	SS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 03:33	SS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 03:33	SS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 03:33	SS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 03:33	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 03:33	SS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 03:33	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 03:33	SS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 03:33	SS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 03:33	SS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 03:33	SS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 03:33	SS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 03:33	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 03:33	SS



Sample Information

Client Sample ID: SB-7 (1'-2')

York Sample ID: 16H0470-06

York Project (SDG) No.

16H0470

Client Project ID

1678 & 1700 Park Avenue

Matrix

Soil

Collection Date/Time

August 9, 2016 3:40 pm

Date Received

08/09/2016

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 03:33	SS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.051	0.10	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 03:33	SS
78-93-3	2-Butanone	0.0026	J	mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 03:33	SS
591-78-6	2-Hexanone	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 03:33	SS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 03:33	SS
67-64-1	Acetone	0.023		mg/kg dry	0.0051	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 03:33	SS
107-02-8	Acrolein	ND		mg/kg dry	0.0051	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 03:33	SS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 03:33	SS
71-43-2	Benzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 03:33	SS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 03:33	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 03:33	SS
75-25-2	Bromoform	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 03:33	SS
74-83-9	Bromomethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 03:33	SS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 03:33	SS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 03:33	SS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 03:33	SS
75-00-3	Chloroethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 03:33	SS
67-66-3	Chloroform	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 03:33	SS
74-87-3	Chloromethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 03:33	SS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 03:33	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 03:33	SS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 03:33	SS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 03:33	SS



Sample Information

Client Sample ID: SB-7 (1'-2')

York Sample ID: 16H0470-06

York Project (SDG) No.

16H0470

Client Project ID

1678 & 1700 Park Avenue

Matrix

Soil

Collection Date/Time

August 9, 2016 3:40 pm

Date Received

08/09/2016

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-95-3	Dibromomethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 03:33	SS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 03:33	SS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 03:33	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 03:33	SS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 03:33	SS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 03:33	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 03:33	SS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 03:33	SS
75-09-2	Methylene chloride	ND		mg/kg dry	0.0051	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 03:33	SS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 03:33	SS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 03:33	SS
95-47-6	o-Xylene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854	08/12/2016 17:27	08/13/2016 03:33	SS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0051	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854	08/12/2016 17:27	08/13/2016 03:33	SS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 03:33	SS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 03:33	SS
100-42-5	Styrene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 03:33	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 03:33	SS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 03:33	SS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 03:33	SS
108-88-3	Toluene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 03:33	SS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 03:33	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 03:33	SS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 03:33	SS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 03:33	SS



Sample Information

Client Sample ID: SB-7 (1'-2')

York Sample ID: 16H0470-06

York Project (SDG) No.

16H0470

Client Project ID

1678 & 1700 Park Avenue

Matrix

Soil

Collection Date/Time

August 9, 2016 3:40 pm

Date Received

08/09/2016

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3555A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 03:33	SS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0077	0.015	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 03:33	SS
Surrogate Recoveries		Result		Acceptance Range							
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	106 %		77-125							
2037-26-5	Surrogate: Toluene-d8	107 %		85-120							
460-00-4	Surrogate: p-Bromofluorobenzene	122 %		76-130							

Semi-Volatiles, 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	0.0457	0.0913	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 14:07	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0913	0.182	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 14:07	SR
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0457	0.0913	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 14:07	SR
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0457	0.0913	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/12/2016 12:24	08/15/2016 14:07	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0457	0.0913	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 14:07	SR
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0457	0.0913	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/12/2016 12:24	08/15/2016 14:07	SR
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0457	0.0913	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/12/2016 12:24	08/15/2016 14:07	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0913	0.182	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 14:07	SR
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0457	0.0913	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 14:07	SR
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0457	0.0913	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 14:07	SR
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0457	0.0913	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 14:07	SR
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0457	0.0913	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 14:07	SR
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0913	0.182	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 14:07	SR
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0457	0.0913	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 14:07	SR
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0457	0.0913	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 14:07	SR
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0457	0.0913	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 14:07	SR



Sample Information

Client Sample ID: SB-7 (1'-2')

York Sample ID: 16H0470-06

York Project (SDG) No.

16H0470

Client Project ID

1678 & 1700 Park Avenue

Matrix

Soil

Collection Date/Time

August 9, 2016 3:40 pm

Date Received

08/09/2016

Semi-Volatiles, 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
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0457	0.0913	2	EPA 8270D Certifications:	08/12/2016 12:24 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 14:07	SR
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0457	0.0913	2	EPA 8270D Certifications:	08/12/2016 12:24 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 14:07	SR
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0457	0.0913	2	EPA 8270D Certifications:	08/12/2016 12:24 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 14:07	SR
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0913	0.182	2	EPA 8270D Certifications:	08/12/2016 12:24 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 14:07	SR
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0457	0.0913	2	EPA 8270D Certifications:	08/12/2016 12:24 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 14:07	SR
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0457	0.0913	2	EPA 8270D Certifications:	08/12/2016 12:24 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 14:07	SR
91-94-1	3,3'-Dichlorobenzidine	ND		mg/kg dry	0.0457	0.0913	2	EPA 8270D Certifications:	08/12/2016 12:24 NELAC-NY10854,NJDEP,PADEP	08/15/2016 14:07	SR
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0913	0.182	2	EPA 8270D Certifications:	08/12/2016 12:24 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 14:07	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0913	0.182	2	EPA 8270D Certifications:	08/12/2016 12:24 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 14:07	SR
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0457	0.0913	2	EPA 8270D Certifications:	08/12/2016 12:24 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 14:07	SR
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0457	0.0913	2	EPA 8270D Certifications:	08/12/2016 12:24 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 14:07	SR
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0457	0.0913	2	EPA 8270D Certifications:	08/12/2016 12:24 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 14:07	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0457	0.0913	2	EPA 8270D Certifications:	08/12/2016 12:24 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 14:07	SR
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0913	0.182	2	EPA 8270D Certifications:	08/12/2016 12:24 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 14:07	SR
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0913	0.182	2	EPA 8270D Certifications:	08/12/2016 12:24 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 14:07	SR
83-32-9	Acenaphthene	ND		mg/kg dry	0.0457	0.0913	2	EPA 8270D Certifications:	08/12/2016 12:24 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 14:07	SR
208-96-8	Acenaphthylene	0.600		mg/kg dry	0.0457	0.0913	2	EPA 8270D Certifications:	08/12/2016 12:24 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 14:07	SR
98-86-2	Acetophenone	ND		mg/kg dry	0.0457	0.0913	2	EPA 8270D Certifications:	08/12/2016 12:24 NELAC-NY10854,NJDEP,PADEP	08/15/2016 14:07	SR
62-53-3	Aniline	ND		mg/kg dry	0.183	0.365	2	EPA 8270D Certifications:	08/12/2016 12:24 NELAC-NY10854,NJDEP,PADEP	08/15/2016 14:07	SR
120-12-7	Anthracene	0.279		mg/kg dry	0.0457	0.0913	2	EPA 8270D Certifications:	08/12/2016 12:24 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 14:07	SR
1912-24-9	Atrazine	ND		mg/kg dry	0.0457	0.0913	2	EPA 8270D Certifications:	08/12/2016 12:24 NELAC-NY10854,NJDEP,PADEP	08/15/2016 14:07	SR
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0457	0.0913	2	EPA 8270D Certifications:	08/12/2016 12:24 NELAC-NY10854,NJDEP,PADEP	08/15/2016 14:07	SR
92-87-5	Benzidine	ND		mg/kg dry	0.183	0.365	2	EPA 8270D Certifications:	08/12/2016 12:24 CTDOH,NELAC-NY10854,PADEP	08/15/2016 14:07	SR



Sample Information

Client Sample ID: SB-7 (1'-2')

York Sample ID: 16H0470-06

York Project (SDG) No.
16H0470

Client Project ID
1678 & 1700 Park Avenue

Matrix
Soil

Collection Date/Time
August 9, 2016 3:40 pm

Date Received
08/09/2016

Semi-Volatiles, 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
56-55-3	Benzo(a)anthracene	1.69		mg/kg dry	0.0457	0.0913	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 14:07	SR
50-32-8	Benzo(a)pyrene	0.170		mg/kg dry	0.0457	0.0913	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 14:07	SR
205-99-2	Benzo(b)fluoranthene	1.10		mg/kg dry	0.0457	0.0913	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 14:07	SR
191-24-2	Benzo(g,h,i)perylene	0.514	IS-06	mg/kg dry	0.0457	0.0913	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 14:07	SR
207-08-9	Benzo(k)fluoranthene	0.879		mg/kg dry	0.0457	0.0913	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 14:07	SR
65-85-0	Benzoic acid	ND		mg/kg dry	0.0457	0.0913	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 14:07	SR
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0457	0.0913	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 14:07	SR
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0457	0.0913	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 14:07	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0457	0.0913	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 14:07	SR
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0457	0.0913	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 14:07	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0457	0.0913	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 14:07	SR
117-81-7	Bis(2-ethylhexyl)phthalate	0.185		mg/kg dry	0.0457	0.0913	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 14:07	SR
105-60-2	Caprolactam	ND		mg/kg dry	0.0913	0.182	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 14:07	SR
86-74-8	Carbazole	0.160		mg/kg dry	0.0457	0.0913	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 14:07	SR
218-01-9	Chrysene	2.10		mg/kg dry	0.0457	0.0913	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 14:07	SR
53-70-3	Dibenzo(a,h)anthracene	0.217	IS-06	mg/kg dry	0.0457	0.0913	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 14:07	SR
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0457	0.0913	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 14:07	SR
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0457	0.0913	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 14:07	SR
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0457	0.0913	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 14:07	SR
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0457	0.0913	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 14:07	SR
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0457	0.0913	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 14:07	SR
206-44-0	Fluoranthene	3.85		mg/kg dry	0.0457	0.0913	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 14:07	SR
86-73-7	Fluorene	0.0890	J	mg/kg dry	0.0457	0.0913	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 14:07	SR



Sample Information

Client Sample ID: SB-7 (1'-2')

York Sample ID: 16H0470-06

York Project (SDG) No.

16H0470

Client Project ID

1678 & 1700 Park Avenue

Matrix

Soil

Collection Date/Time

August 9, 2016 3:40 pm

Date Received

08/09/2016

Semi-Volatiles, 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
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0457	0.0913	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 14:07	SR
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0457	0.0913	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 14:07	SR
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0457	0.0913	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 14:07	SR
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0457	0.0913	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 14:07	SR
193-39-5	Indeno(1,2,3-cd)pyrene	0.569	IS-06	mg/kg dry	0.0457	0.0913	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 14:07	SR
78-59-1	Isophorone	ND		mg/kg dry	0.0457	0.0913	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 14:07	SR
91-20-3	Naphthalene	ND		mg/kg dry	0.0457	0.0913	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 14:07	SR
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0457	0.0913	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 14:07	SR
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0457	0.0913	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 14:07	SR
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0457	0.0913	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 14:07	SR
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0457	0.0913	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 14:07	SR
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0457	0.0913	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 14:07	SR
85-01-8	Phenanthrene	1.64		mg/kg dry	0.0457	0.0913	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 14:07	SR
108-95-2	Phenol	ND		mg/kg dry	0.0457	0.0913	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 14:07	SR
129-00-0	Pyrene	3.36		mg/kg dry	0.0457	0.0913	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 14:07	SR
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: 2-Fluorophenol	55.3 %	20-108								
4165-62-2	Surrogate: Phenol-d5	62.7 %	23-114								
4165-60-0	Surrogate: Nitrobenzene-d5	54.3 %	22-108								
321-60-8	Surrogate: 2-Fluorobiphenyl	66.8 %	21-113								
118-79-6	Surrogate: 2,4,6-Tribromophenol	70.3 %	19-110								
1718-51-0	Surrogate: Terphenyl-d14	58.5 %	24-116								

Pesticides, 8081 target list

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
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00181	0.00181	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/15/2016 19:41	AMC



Sample Information

Client Sample ID: SB-7 (1'-2')

York Sample ID: 16H0470-06

York Project (SDG) No.

16H0470

Client Project ID

1678 & 1700 Park Avenue

Matrix

Soil

Collection Date/Time

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Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-55-9	4,4'-DDE	0.0217		mg/kg dry	0.00181	0.00181	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/15/2016 19:41	AMC
50-29-3	4,4'-DDT	0.0928		mg/kg dry	0.00181	0.00181	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/15/2016 19:41	AMC
309-00-2	Aldrin	ND		mg/kg dry	0.00181	0.00181	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/15/2016 19:41	AMC
319-84-6	alpha-BHC	ND		mg/kg dry	0.00181	0.00181	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/15/2016 19:41	AMC
5103-71-9	alpha-Chlordane	0.00766		mg/kg dry	0.00181	0.00181	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/10/2016 14:50	08/15/2016 19:41	AMC
319-85-7	beta-BHC	ND		mg/kg dry	0.00181	0.00181	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/15/2016 19:41	AMC
57-74-9	Chlordane, total	ND		mg/kg dry	0.0722	0.0722	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/15/2016 19:41	AMC
319-86-8	delta-BHC	ND		mg/kg dry	0.00181	0.00181	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/15/2016 19:41	AMC
60-57-1	Dieldrin	ND		mg/kg dry	0.00181	0.00181	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/15/2016 19:41	AMC
959-98-8	Endosulfan I	ND		mg/kg dry	0.00181	0.00181	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/15/2016 19:41	AMC
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00181	0.00181	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/15/2016 19:41	AMC
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00181	0.00181	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/15/2016 19:41	AMC
72-20-8	Endrin	ND		mg/kg dry	0.00181	0.00181	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/15/2016 19:41	AMC
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00181	0.00181	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/15/2016 19:41	AMC
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00181	0.00181	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/15/2016 19:41	AMC
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00181	0.00181	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/15/2016 19:41	AMC
5566-34-7	gamma-Chlordane	0.00899		mg/kg dry	0.00181	0.00181	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/10/2016 14:50	08/15/2016 19:41	AMC
76-44-8	Heptachlor	ND		mg/kg dry	0.00181	0.00181	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/15/2016 19:41	AMC
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00181	0.00181	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/15/2016 19:41	AMC
72-43-5	Methoxychlor	ND		mg/kg dry	0.00903	0.00903	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/15/2016 19:41	AMC
8001-35-2	Toxaphene	ND		mg/kg dry	0.0914	0.0914	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/15/2016 19:41	AMC
Surrogate Recoveries		Result	Acceptance Range								
877-09-8	Surrogate: Tetrachloro-m-xylene	42.4 %	30-140								
2051-24-3	Surrogate: Decachlorobiphenyl	71.5 %	30-140								



Sample Information

Client Sample ID: SB-7 (1'-2')

York Sample ID: 16H0470-06

York Project (SDG) No.
16H0470

Client Project ID
1678 & 1700 Park Avenue

Matrix
Soil

Collection Date/Time
August 9, 2016 3:40 pm

Date Received
08/09/2016

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0182	0.0182	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/10/2016 14:50	08/11/2016 22:50	AMC
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0182	0.0182	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/10/2016 14:50	08/11/2016 22:50	AMC
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0182	0.0182	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/10/2016 14:50	08/11/2016 22:50	AMC
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0182	0.0182	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/10/2016 14:50	08/11/2016 22:50	AMC
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0182	0.0182	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/10/2016 14:50	08/11/2016 22:50	AMC
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0182	0.0182	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/10/2016 14:50	08/11/2016 22:50	AMC
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0182	0.0182	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/10/2016 14:50	08/11/2016 22:50	AMC
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0182	0.0182	1	EPA 8082A Certifications:	08/10/2016 14:50	08/11/2016 22:50	AMC
Surrogate Recoveries		Result	Acceptance Range								
877-09-8	Surrogate: Tetrachloro-m-xylene	53.5 %	30-140								
2051-24-3	Surrogate: Decachlorobiphenyl	44.5 %	30-140								

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	7280		mg/kg dry	5.47	5.47	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 01:09	KV
7440-36-0	Antimony	ND		mg/kg dry	0.547	0.547	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 01:09	KV
7440-38-2	Arsenic	5.14		mg/kg dry	1.09	1.09	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 01:09	KV
7440-39-3	Barium	431		mg/kg dry	1.09	1.09	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 01:09	KV
7440-41-7	Beryllium	ND		mg/kg dry	0.109	0.109	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 01:09	KV
7440-43-9	Cadmium	0.581		mg/kg dry	0.328	0.328	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 01:09	KV
7440-70-2	Calcium	46500		mg/kg dry	0.547	5.47	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 01:09	KV
7440-47-3	Chromium	18.4		mg/kg dry	0.547	0.547	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 01:09	KV
7440-48-4	Cobalt	6.96		mg/kg dry	0.547	0.547	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 01:09	KV
7440-50-8	Copper	36.5		mg/kg dry	0.547	0.547	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 01:09	KV



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Matrix

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August 9, 2016 3:40 pm

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08/09/2016

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	12300		mg/kg dry	2.19	2.19	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 01:09	KV
7439-92-1	Lead	222		mg/kg dry	0.328	0.328	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 01:09	KV
7439-95-4	Magnesium	8650		mg/kg dry	5.47	5.47	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 01:09	KV
7439-96-5	Manganese	202		mg/kg dry	0.547	0.547	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 01:09	KV
7440-02-0	Nickel	15.1		mg/kg dry	0.547	0.547	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 01:09	KV
7440-09-7	Potassium	2440		mg/kg dry	5.47	5.47	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 01:09	KV
7782-49-2	Selenium	ND		mg/kg dry	1.09	1.09	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 01:09	KV
7440-22-4	Silver	ND		mg/kg dry	0.547	0.547	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 01:09	KV
7440-23-5	Sodium	428		mg/kg dry	10.9	10.9	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 10:41	08/12/2016 01:09	KV
7440-28-0	Thallium	ND		mg/kg dry	1.09	1.09	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 01:09	KV
7440-62-2	Vanadium	28.8		mg/kg dry	1.09	1.09	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 01:09	KV
7440-66-6	Zinc	176		mg/kg dry	1.09	1.09	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 01:09	KV

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.254		mg/kg dry	0.0328	0.0328	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	08/11/2016 06:26	08/11/2016 17:01	ALD

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	91.4		%	0.100	0.100	1	SM 2540G Certifications: CTDOH	08/10/2016 18:10	08/10/2016 21:04	TJM

Chromium, Hexavalent

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: SB-7 (1'-2')

York Sample ID: 16H0470-06

York Project (SDG) No.
16H0470

Client Project ID
1678 & 1700 Park Avenue

Matrix
Soil

Collection Date/Time
August 9, 2016 3:40 pm

Date Received
08/09/2016

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.383	0.547	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	08/15/2016 08:39	08/15/2016 14:04	LAB

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	18.4		mg/kg	0.250	0.500	1	Calculation Certifications:	08/16/2016 16:45	08/16/2016 16:46	AD

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.547	0.547	1	EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/16/2016 08:17	08/16/2016 14:05	AD

Sample Information

Client Sample ID: SB-7 (8'-9')

York Sample ID: 16H0470-07

York Project (SDG) No.
16H0470

Client Project ID
1678 & 1700 Park Avenue

Matrix
Soil

Collection Date/Time
August 9, 2016 3:50 pm

Date Received
08/09/2016

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to 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,NJDEP	08/12/2016 17:27	08/13/2016 04:07	SS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 04:07	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 04:07	SS
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,NJDEP	08/12/2016 17:27	08/13/2016 04:07	SS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 04:07	SS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 04:07	SS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 04:07	SS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 04:07	SS



Sample Information

Client Sample ID: SB-7 (8'-9')

York Sample ID: 16H0470-07

York Project (SDG) No.

16H0470

Client Project ID

1678 & 1700 Park Avenue

Matrix

Soil

Collection Date/Time

August 9, 2016 3:50 pm

Date Received

08/09/2016

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 04:07	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 04:07	SS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 04:07	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 04:07	SS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 04:07	SS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 04:07	SS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 04:07	SS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 04:07	SS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 04:07	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 04:07	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 04:07	SS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.040	0.079	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 04:07	SS
78-93-3	2-Butanone	0.0066		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 04:07	SS
591-78-6	2-Hexanone	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 04:07	SS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 04:07	SS
67-64-1	Acetone	0.034		mg/kg dry	0.0040	0.0079	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 04:07	SS
107-02-8	Acrolein	ND		mg/kg dry	0.0040	0.0079	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 04:07	SS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 04:07	SS
71-43-2	Benzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 04:07	SS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 04:07	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 04:07	SS
75-25-2	Bromoform	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 04:07	SS
74-83-9	Bromomethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 04:07	SS



Sample Information

Client Sample ID: SB-7 (8'-9')

York Sample ID: 16H0470-07

York Project (SDG) No.
16H0470

Client Project ID
1678 & 1700 Park Avenue

Matrix
Soil

Collection Date/Time
August 9, 2016 3:50 pm

Date Received
08/09/2016

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 04:07	SS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 04:07	SS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 04:07	SS
75-00-3	Chloroethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 04:07	SS
67-66-3	Chloroform	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 04:07	SS
74-87-3	Chloromethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 04:07	SS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 04:07	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 04:07	SS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 04:07	SS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 04:07	SS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 04:07	SS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 04:07	SS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 04:07	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 04:07	SS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 04:07	SS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 04:07	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 04:07	SS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 04:07	SS
75-09-2	Methylene chloride	ND		mg/kg dry	0.0040	0.0079	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 04:07	SS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 04:07	SS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 04:07	SS
95-47-6	o-Xylene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854	08/12/2016 17:27	08/13/2016 04:07	SS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0040	0.0079	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854	08/12/2016 17:27	08/13/2016 04:07	SS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 04:07	SS



Sample Information

Client Sample ID: SB-7 (8'-9')

York Sample ID: 16H0470-07

York Project (SDG) No.

16H0470

Client Project ID

1678 & 1700 Park Avenue

Matrix

Soil

Collection Date/Time

August 9, 2016 3:50 pm

Date Received

08/09/2016

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 04:07	SS
100-42-5	Styrene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 04:07	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 04:07	SS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 04:07	SS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 04:07	SS
108-88-3	Toluene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 04:07	SS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 04:07	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 04:07	SS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 04:07	SS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 04:07	SS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 04:07	SS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0060	0.012	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 04:07	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	111 %	77-125								
2037-26-5	Surrogate: Toluene-d8	98.7 %	85-120								
460-00-4	Surrogate: p-Bromofluorobenzene	103 %	76-130								

Semi-Volatiles, 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	0.0961	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 12:32	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0961	0.192	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 12:32	SR
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0482	0.0961	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 12:32	SR
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0482	0.0961	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/12/2016 12:24	08/15/2016 12:32	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0482	0.0961	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 12:32	SR
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0482	0.0961	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/12/2016 12:24	08/15/2016 12:32	SR



Sample Information

Client Sample ID: SB-7 (8'-9')

York Sample ID: 16H0470-07

York Project (SDG) No.

16H0470

Client Project ID

1678 & 1700 Park Avenue

Matrix

Soil

Collection Date/Time

August 9, 2016 3:50 pm

Date Received

08/09/2016

Semi-Volatiles, 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
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0482	0.0961	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/12/2016 12:24	08/15/2016 12:32	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0961	0.192	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 12:32	SR
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0482	0.0961	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 12:32	SR
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0482	0.0961	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 12:32	SR
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0482	0.0961	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 12:32	SR
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0482	0.0961	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 12:32	SR
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0961	0.192	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 12:32	SR
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0482	0.0961	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 12:32	SR
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0482	0.0961	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 12:32	SR
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0482	0.0961	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 12:32	SR
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0482	0.0961	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 12:32	SR
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0482	0.0961	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 12:32	SR
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0482	0.0961	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 12:32	SR
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0961	0.192	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 12:32	SR
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0482	0.0961	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 12:32	SR
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0482	0.0961	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 12:32	SR
91-94-1	3,3'-Dichlorobenzidine	ND		mg/kg dry	0.0482	0.0961	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 12:32	SR
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0961	0.192	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 12:32	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0961	0.192	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 12:32	SR
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0482	0.0961	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 12:32	SR
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0482	0.0961	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 12:32	SR
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0482	0.0961	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 12:32	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0482	0.0961	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 12:32	SR
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0961	0.192	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 12:32	SR



Sample Information

Client Sample ID: SB-7 (8'-9')

York Sample ID: 16H0470-07

York Project (SDG) No.

16H0470

Client Project ID

1678 & 1700 Park Avenue

Matrix

Soil

Collection Date/Time

August 9, 2016 3:50 pm

Date Received

08/09/2016

Semi-Volatiles, 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	0.0961	0.192	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 12:32	SR
83-32-9	Acenaphthene	ND		mg/kg dry	0.0482	0.0961	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 12:32	SR
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0482	0.0961	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 12:32	SR
98-86-2	Acetophenone	ND		mg/kg dry	0.0482	0.0961	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 12:32	SR
62-53-3	Aniline	ND		mg/kg dry	0.192	0.385	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 12:32	SR
120-12-7	Anthracene	ND		mg/kg dry	0.0482	0.0961	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 12:32	SR
1912-24-9	Atrazine	ND		mg/kg dry	0.0482	0.0961	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 12:32	SR
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0482	0.0961	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 12:32	SR
92-87-5	Benzidine	ND		mg/kg dry	0.192	0.385	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	08/12/2016 12:24	08/15/2016 12:32	SR
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0482	0.0961	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 12:32	SR
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0482	0.0961	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 12:32	SR
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0482	0.0961	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 12:32	SR
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0482	0.0961	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 12:32	SR
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0482	0.0961	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 12:32	SR
65-85-0	Benzoic acid	ND		mg/kg dry	0.0482	0.0961	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 12:32	SR
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0482	0.0961	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 12:32	SR
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0482	0.0961	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 12:32	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0482	0.0961	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 12:32	SR
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0482	0.0961	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 12:32	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0482	0.0961	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 12:32	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0482	0.0961	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 12:32	SR
105-60-2	Caprolactam	ND		mg/kg dry	0.0961	0.192	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 12:32	SR
86-74-8	Carbazole	ND		mg/kg dry	0.0482	0.0961	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 12:32	SR
218-01-9	Chrysene	ND		mg/kg dry	0.0482	0.0961	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 12:32	SR



Sample Information

Client Sample ID: SB-7 (8'-9')

York Sample ID: 16H0470-07

York Project (SDG) No.
16H0470

Client Project ID
1678 & 1700 Park Avenue

Matrix
Soil

Collection Date/Time
August 9, 2016 3:50 pm

Date Received
08/09/2016

Semi-Volatiles, 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	0.0482	0.0961	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 12:32	SR
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0482	0.0961	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 12:32	SR
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0482	0.0961	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 12:32	SR
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0482	0.0961	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 12:32	SR
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0482	0.0961	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 12:32	SR
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0482	0.0961	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 12:32	SR
206-44-0	Fluoranthene	ND		mg/kg dry	0.0482	0.0961	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 12:32	SR
86-73-7	Fluorene	ND		mg/kg dry	0.0482	0.0961	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 12:32	SR
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0482	0.0961	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 12:32	SR
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0482	0.0961	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 12:32	SR
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0482	0.0961	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 12:32	SR
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0482	0.0961	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 12:32	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0482	0.0961	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 12:32	SR
78-59-1	Isophorone	ND		mg/kg dry	0.0482	0.0961	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 12:32	SR
91-20-3	Naphthalene	ND		mg/kg dry	0.0482	0.0961	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 12:32	SR
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0482	0.0961	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 12:32	SR
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0482	0.0961	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 12:32	SR
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0482	0.0961	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 12:32	SR
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0482	0.0961	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 12:32	SR
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0482	0.0961	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 12:32	SR
85-01-8	Phenanthrene	ND		mg/kg dry	0.0482	0.0961	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 12:32	SR
108-95-2	Phenol	ND		mg/kg dry	0.0482	0.0961	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 12:32	SR
129-00-0	Pyrene	ND		mg/kg dry	0.0482	0.0961	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 12:32	SR
Surrogate Recoveries		Result	Acceptance Range								



Sample Information

Client Sample ID: SB-7 (8'-9')

York Sample ID: 16H0470-07

York Project (SDG) No.

16H0470

Client Project ID

1678 & 1700 Park Avenue

Matrix

Soil

Collection Date/Time

August 9, 2016 3:50 pm

Date Received

08/09/2016

Semi-Volatiles, 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
367-12-4	Surrogate: 2-Fluorophenol	77.1 %			20-108						
4165-62-2	Surrogate: Phenol-d5	87.3 %			23-114						
4165-60-0	Surrogate: Nitrobenzene-d5	77.2 %			22-108						
321-60-8	Surrogate: 2-Fluorobiphenyl	85.3 %			21-113						
118-79-6	Surrogate: 2,4,6-Tribromophenol	82.0 %			19-110						
1718-51-0	Surrogate: Terphenyl-d14	45.2 %			24-116						

Pesticides, 8081 target list

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
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00190	0.00190	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/12/2016 21:41	AMC
72-55-9	4,4'-DDE	0.00490		mg/kg dry	0.00190	0.00190	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/12/2016 21:41	AMC
50-29-3	4,4'-DDT	0.0105		mg/kg dry	0.00190	0.00190	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/12/2016 21:41	AMC
309-00-2	Aldrin	ND		mg/kg dry	0.00190	0.00190	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/12/2016 21:41	AMC
319-84-6	alpha-BHC	ND		mg/kg dry	0.00190	0.00190	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/12/2016 21:41	AMC
5103-71-9	alpha-Chlordane	0.00820		mg/kg dry	0.00190	0.00190	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/10/2016 14:50	08/12/2016 21:41	AMC
319-85-7	beta-BHC	ND		mg/kg dry	0.00190	0.00190	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/12/2016 21:41	AMC
57-74-9	Chlordane, total	0.140		mg/kg dry	0.0760	0.0760	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/12/2016 21:41	AMC
319-86-8	delta-BHC	ND		mg/kg dry	0.00190	0.00190	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/12/2016 21:41	AMC
60-57-1	Dieldrin	0.0105		mg/kg dry	0.00190	0.00190	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/12/2016 21:41	AMC
959-98-8	Endosulfan I	ND		mg/kg dry	0.00190	0.00190	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/12/2016 21:41	AMC
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00190	0.00190	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/12/2016 21:41	AMC
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00190	0.00190	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/12/2016 21:41	AMC
72-20-8	Endrin	ND		mg/kg dry	0.00190	0.00190	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/12/2016 21:41	AMC
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00190	0.00190	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/12/2016 21:41	AMC
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00190	0.00190	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/12/2016 21:41	AMC
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00190	0.00190	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/12/2016 21:41	AMC



Sample Information

Client Sample ID: SB-7 (8'-9')

York Sample ID: 16H0470-07

York Project (SDG) No.
16H0470

Client Project ID
1678 & 1700 Park Avenue

Matrix
Soil

Collection Date/Time
August 9, 2016 3:50 pm

Date Received
08/09/2016

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
5566-34-7	gamma-Chlordane	0.00650		mg/kg dry	0.00190	0.00190	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/10/2016 14:50	08/12/2016 21:41	AMC
76-44-8	Heptachlor	ND		mg/kg dry	0.00190	0.00190	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/12/2016 21:41	AMC
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00190	0.00190	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/12/2016 21:41	AMC
72-43-5	Methoxychlor	ND		mg/kg dry	0.00950	0.00950	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/12/2016 21:41	AMC
8001-35-2	Toxaphene	ND		mg/kg dry	0.0962	0.0962	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/12/2016 21:41	AMC
Surrogate Recoveries		Result		Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	79.6 %		30-140							
2051-24-3	Surrogate: Decachlorobiphenyl	100 %		30-140							

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0192	0.0192	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/10/2016 14:50	08/11/2016 23:10	AMC
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0192	0.0192	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/10/2016 14:50	08/11/2016 23:10	AMC
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0192	0.0192	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/10/2016 14:50	08/11/2016 23:10	AMC
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0192	0.0192	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/10/2016 14:50	08/11/2016 23:10	AMC
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0192	0.0192	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/10/2016 14:50	08/11/2016 23:10	AMC
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0192	0.0192	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/10/2016 14:50	08/11/2016 23:10	AMC
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0192	0.0192	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/10/2016 14:50	08/11/2016 23:10	AMC
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0192	0.0192	1	EPA 8082A Certifications:	08/10/2016 14:50	08/11/2016 23:10	AMC
Surrogate Recoveries		Result		Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	69.5 %		30-140							
2051-24-3	Surrogate: Decachlorobiphenyl	70.0 %		30-140							

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst



Sample Information

Client Sample ID: SB-7 (8'-9')

York Sample ID: 16H0470-07

York Project (SDG) No.

16H0470

Client Project ID

1678 & 1700 Park Avenue

Matrix

Soil

Collection Date/Time

August 9, 2016 3:50 pm

Date Received

08/09/2016

Metals, Target Analyte

Sample Prepared by Method: EPA 3050B

Log-in Notes:

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	6350		mg/kg dry	5.76	5.76	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 01:14	KV
7440-36-0	Antimony	ND		mg/kg dry	0.576	0.576	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 01:14	KV
7440-38-2	Arsenic	4.57		mg/kg dry	1.15	1.15	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 01:14	KV
7440-39-3	Barium	628		mg/kg dry	1.15	1.15	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 01:14	KV
7440-41-7	Beryllium	ND		mg/kg dry	0.115	0.115	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 01:14	KV
7440-43-9	Cadmium	2.35		mg/kg dry	0.346	0.346	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 01:14	KV
7440-70-2	Calcium	67500		mg/kg dry	0.576	5.76	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 01:14	KV
7440-47-3	Chromium	15.7		mg/kg dry	0.576	0.576	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 01:14	KV
7440-48-4	Cobalt	6.21		mg/kg dry	0.576	0.576	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 01:14	KV
7440-50-8	Copper	43.6		mg/kg dry	0.576	0.576	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 01:14	KV
7439-89-6	Iron	9530		mg/kg dry	2.30	2.30	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 01:14	KV
7439-92-1	Lead	298		mg/kg dry	0.346	0.346	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 01:14	KV
7439-95-4	Magnesium	7110		mg/kg dry	5.76	5.76	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 01:14	KV
7439-96-5	Manganese	394		mg/kg dry	0.576	0.576	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 01:14	KV
7440-02-0	Nickel	13.2		mg/kg dry	0.576	0.576	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 01:14	KV
7440-09-7	Potassium	975		mg/kg dry	5.76	5.76	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 01:14	KV
7782-49-2	Selenium	1.60		mg/kg dry	1.15	1.15	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 01:14	KV
7440-22-4	Silver	ND		mg/kg dry	0.576	0.576	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 01:14	KV
7440-23-5	Sodium	357		mg/kg dry	11.5	11.5	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 10:41	08/12/2016 01:14	KV
7440-28-0	Thallium	ND		mg/kg dry	1.15	1.15	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 01:14	KV
7440-62-2	Vanadium	14.1		mg/kg dry	1.15	1.15	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 01:14	KV
7440-66-6	Zinc	781		mg/kg dry	1.15	1.15	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 01:14	KV



Sample Information

Client Sample ID: SB-7 (8'-9')

York Sample ID: 16H0470-07

York Project (SDG) No.

16H0470

Client Project ID

1678 & 1700 Park Avenue

Matrix

Soil

Collection Date/Time

August 9, 2016 3:50 pm

Date Received

08/09/2016

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.267		mg/kg dry	0.0346	0.0346	1	EPA 7473	08/11/2016 06:26	08/11/2016 17:10	ALD
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	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	86.8		%	0.100	0.100	1	SM 2540G	08/10/2016 18:10	08/10/2016 21:04	TJM
Certifications: CTDOH											

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.403	0.576	1	EPA 7196A	08/15/2016 08:39	08/15/2016 14:04	LAB
Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP											

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	15.7		mg/kg	0.250	0.500	1	Calculation	08/16/2016 16:45	08/16/2016 16:46	AD
Certifications:											

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.576	0.576	1	EPA 9014/9010C	08/16/2016 08:17	08/16/2016 14:05	AD
Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP											

Sample Information

Client Sample ID: SB-11 (1'-2')

York Sample ID: 16H0470-08

York Project (SDG) No.

16H0470

Client Project ID

1678 & 1700 Park Avenue

Matrix

Soil

Collection Date/Time

August 9, 2016 4:20 pm

Date Received

08/09/2016

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: SB-11 (1'-2')

York Sample ID: 16H0470-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

16H0470

1678 & 1700 Park Avenue

Soil

August 9, 2016 4:20 pm

08/09/2016

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	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 04:41	SS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 04:41	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 04:41	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 04:41	SS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 04:41	SS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 04:41	SS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 04:41	SS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 04:41	SS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 04:41	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 04:41	SS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 04:41	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 04:41	SS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 04:41	SS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 04:41	SS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 04:41	SS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 04:41	SS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 04:41	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 04:41	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 04:41	SS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.050	0.10	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 04:41	SS
78-93-3	2-Butanone	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 04:41	SS
591-78-6	2-Hexanone	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 04:41	SS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 04:41	SS
67-64-1	Acetone	ND		mg/kg dry	0.0050	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 04:41	SS



Sample Information

Client Sample ID: SB-11 (1'-2')

York Sample ID: 16H0470-08

York Project (SDG) No.

16H0470

Client Project ID

1678 & 1700 Park Avenue

Matrix

Soil

Collection Date/Time

August 9, 2016 4:20 pm

Date Received

08/09/2016

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-02-8	Acrolein	ND		mg/kg dry	0.0050	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 04:41	SS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 04:41	SS
71-43-2	Benzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 04:41	SS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 04:41	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 04:41	SS
75-25-2	Bromoform	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 04:41	SS
74-83-9	Bromomethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 04:41	SS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 04:41	SS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 04:41	SS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 04:41	SS
75-00-3	Chloroethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 04:41	SS
67-66-3	Chloroform	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 04:41	SS
74-87-3	Chloromethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 04:41	SS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 04:41	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 04:41	SS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 04:41	SS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 04:41	SS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 04:41	SS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 04:41	SS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 04:41	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 04:41	SS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 04:41	SS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 04:41	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 04:41	SS



Sample Information

Client Sample ID: SB-11 (1'-2')

York Sample ID: 16H0470-08

York Project (SDG) No.

16H0470

Client Project ID

1678 & 1700 Park Avenue

Matrix

Soil

Collection Date/Time

August 9, 2016 4:20 pm

Date Received

08/09/2016

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 04:41	SS
75-09-2	Methylene chloride	ND		mg/kg dry	0.0050	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 04:41	SS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 04:41	SS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 04:41	SS
95-47-6	o-Xylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854	08/12/2016 17:27	08/13/2016 04:41	SS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0050	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854	08/12/2016 17:27	08/13/2016 04:41	SS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 04:41	SS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 04:41	SS
100-42-5	Styrene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 04:41	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 04:41	SS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 04:41	SS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 04:41	SS
108-88-3	Toluene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 04:41	SS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 04:41	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 04:41	SS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 04:41	SS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 04:41	SS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 04:41	SS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0076	0.015	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 04:41	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	104 %	77-125								
2037-26-5	Surrogate: Toluene-d8	109 %	85-120								
460-00-4	Surrogate: p-Bromofluorobenzene	118 %	76-130								

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: SB-11 (1'-2')

York Sample ID: 16H0470-08

York Project (SDG) No.

16H0470

Client Project ID

1678 & 1700 Park Avenue

Matrix

Soil

Collection Date/Time

August 9, 2016 4:20 pm

Date Received

08/09/2016

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	0.0460	0.0919	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 14:39	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0919	0.183	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 14:39	SR
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 14:39	SR
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/12/2016 12:24	08/15/2016 14:39	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 14:39	SR
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/12/2016 12:24	08/15/2016 14:39	SR
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/12/2016 12:24	08/15/2016 14:39	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0919	0.183	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 14:39	SR
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 14:39	SR
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 14:39	SR
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 14:39	SR
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 14:39	SR
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0919	0.183	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 14:39	SR
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 14:39	SR
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 14:39	SR
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 14:39	SR
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 14:39	SR
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 14:39	SR
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 14:39	SR
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0919	0.183	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 14:39	SR
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 14:39	SR
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 14:39	SR
91-94-1	3,3'-Dichlorobenzidine	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 14:39	SR
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0919	0.183	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 14:39	SR



Sample Information

Client Sample ID: SB-11 (1'-2')

York Sample ID: 16H0470-08

York Project (SDG) No.

16H0470

Client Project ID

1678 & 1700 Park Avenue

Matrix

Soil

Collection Date/Time

August 9, 2016 4:20 pm

Date Received

08/09/2016

Semi-Volatiles, 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	0.0919	0.183	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 14:39	SR
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 14:39	SR
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 14:39	SR
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 14:39	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 14:39	SR
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0919	0.183	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 14:39	SR
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0919	0.183	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 14:39	SR
83-32-9	Acenaphthene	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 14:39	SR
208-96-8	Acenaphthylene	0.0727	J	mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 14:39	SR
98-86-2	Acetophenone	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 14:39	SR
62-53-3	Aniline	ND		mg/kg dry	0.184	0.368	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 14:39	SR
120-12-7	Anthracene	0.0705	J	mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 14:39	SR
1912-24-9	Atrazine	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 14:39	SR
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 14:39	SR
92-87-5	Benzidine	ND		mg/kg dry	0.184	0.368	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	08/12/2016 12:24	08/15/2016 14:39	SR
56-55-3	Benzo(a)anthracene	0.256		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 14:39	SR
50-32-8	Benzo(a)pyrene	0.111		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 14:39	SR
205-99-2	Benzo(b)fluoranthene	0.178		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 14:39	SR
191-24-2	Benzo(g,h,i)perylene	0.110	IS-06	mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 14:39	SR
207-08-9	Benzo(k)fluoranthene	0.134		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 14:39	SR
65-85-0	Benzoic acid	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 14:39	SR
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 14:39	SR
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 14:39	SR



Sample Information

Client Sample ID: SB-11 (1'-2')

York Sample ID: 16H0470-08

York Project (SDG) No.

16H0470

Client Project ID

1678 & 1700 Park Avenue

Matrix

Soil

Collection Date/Time

August 9, 2016 4:20 pm

Date Received

08/09/2016

Semi-Volatiles, 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	0.0460	0.0919	2	EPA 8270D Certifications:	08/12/2016 12:24	08/15/2016 14:39	SR
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications:	08/12/2016 12:24	08/15/2016 14:39	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications:	08/12/2016 12:24	08/15/2016 14:39	SR
117-81-7	Bis(2-ethylhexyl)phthalate	0.267		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications:	08/12/2016 12:24	08/15/2016 14:39	SR
105-60-2	Caprolactam	ND		mg/kg dry	0.0919	0.183	2	EPA 8270D Certifications:	08/12/2016 12:24	08/15/2016 14:39	SR
86-74-8	Carbazole	0.0595	J	mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications:	08/12/2016 12:24	08/15/2016 14:39	SR
218-01-9	Chrysene	0.322		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications:	08/12/2016 12:24	08/15/2016 14:39	SR
53-70-3	Dibenzo(a,h)anthracene	ND	IS-06	mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications:	08/12/2016 12:24	08/15/2016 14:39	SR
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications:	08/12/2016 12:24	08/15/2016 14:39	SR
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications:	08/12/2016 12:24	08/15/2016 14:39	SR
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications:	08/12/2016 12:24	08/15/2016 14:39	SR
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications:	08/12/2016 12:24	08/15/2016 14:39	SR
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications:	08/12/2016 12:24	08/15/2016 14:39	SR
206-44-0	Fluoranthene	0.711		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications:	08/12/2016 12:24	08/15/2016 14:39	SR
86-73-7	Fluorene	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications:	08/12/2016 12:24	08/15/2016 14:39	SR
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications:	08/12/2016 12:24	08/15/2016 14:39	SR
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications:	08/12/2016 12:24	08/15/2016 14:39	SR
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications:	08/12/2016 12:24	08/15/2016 14:39	SR
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications:	08/12/2016 12:24	08/15/2016 14:39	SR
193-39-5	Indeno(1,2,3-cd)pyrene	0.109	IS-06	mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications:	08/12/2016 12:24	08/15/2016 14:39	SR
78-59-1	Isophorone	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications:	08/12/2016 12:24	08/15/2016 14:39	SR
91-20-3	Naphthalene	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications:	08/12/2016 12:24	08/15/2016 14:39	SR
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications:	08/12/2016 12:24	08/15/2016 14:39	SR



Sample Information

Client Sample ID: SB-11 (1'-2')

York Sample ID: 16H0470-08

York Project (SDG) No.

16H0470

Client Project ID

1678 & 1700 Park Avenue

Matrix

Soil

Collection Date/Time

August 9, 2016 4:20 pm

Date Received

08/09/2016

Semi-Volatiles, 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	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 14:39	SR
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 14:39	SR
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 14:39	SR
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 14:39	SR
85-01-8	Phenanthrene	0.364		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 14:39	SR
108-95-2	Phenol	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 14:39	SR
129-00-0	Pyrene	0.579		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 14:39	SR
Surrogate Recoveries		Result		Acceptance Range							
367-12-4	Surrogate: 2-Fluorophenol	62.0 %									
4165-62-2	Surrogate: Phenol-d5	66.9 %									
4165-60-0	Surrogate: Nitrobenzene-d5	58.3 %									
321-60-8	Surrogate: 2-Fluorobiphenyl	70.6 %									
118-79-6	Surrogate: 2,4,6-Tribromophenol	79.7 %									
1718-51-0	Surrogate: Terphenyl-d14	57.6 %									

Pesticides, 8081 target list

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
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00182	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/15/2016 19:56	AMC
72-55-9	4,4'-DDE	0.00824		mg/kg dry	0.00182	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/15/2016 19:56	AMC
50-29-3	4,4'-DDT	0.00926		mg/kg dry	0.00182	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/15/2016 19:56	AMC
309-00-2	Aldrin	ND		mg/kg dry	0.00182	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/15/2016 19:56	AMC
319-84-6	alpha-BHC	ND		mg/kg dry	0.00182	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/15/2016 19:56	AMC
5103-71-9	alpha-Chlordane	0.00291		mg/kg dry	0.00182	0.00182	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/10/2016 14:50	08/15/2016 19:56	AMC
319-85-7	beta-BHC	ND		mg/kg dry	0.00182	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/15/2016 19:56	AMC
57-74-9	Chlordane, total	ND		mg/kg dry	0.0727	0.0727	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/15/2016 19:56	AMC
319-86-8	delta-BHC	ND		mg/kg dry	0.00182	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/15/2016 19:56	AMC



Sample Information

Client Sample ID: SB-11 (1'-2')

York Sample ID: 16H0470-08

York Project (SDG) No.

16H0470

Client Project ID

1678 & 1700 Park Avenue

Matrix

Soil

Collection Date/Time

August 9, 2016 4:20 pm

Date Received

08/09/2016

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
60-57-1	Dieldrin	0.00809		mg/kg dry	0.00182	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/15/2016 19:56	AMC
959-98-8	Endosulfan I	ND		mg/kg dry	0.00182	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/15/2016 19:56	AMC
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00182	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/15/2016 19:56	AMC
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00182	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/15/2016 19:56	AMC
72-20-8	Endrin	ND		mg/kg dry	0.00182	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/15/2016 19:56	AMC
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00182	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/15/2016 19:56	AMC
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00182	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/15/2016 19:56	AMC
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00182	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/15/2016 19:56	AMC
5566-34-7	gamma-Chlordane	0.00326		mg/kg dry	0.00182	0.00182	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/10/2016 14:50	08/15/2016 19:56	AMC
76-44-8	Heptachlor	ND		mg/kg dry	0.00182	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/15/2016 19:56	AMC
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00182	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/15/2016 19:56	AMC
72-43-5	Methoxychlor	ND		mg/kg dry	0.00909	0.00909	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/15/2016 19:56	AMC
8001-35-2	Toxaphene	ND		mg/kg dry	0.0920	0.0920	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/15/2016 19:56	AMC
Surrogate Recoveries		Result		Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	17.3 %	GC-SC			30-140					
2051-24-3	Surrogate: Decachlorobiphenyl	57.6 %	u			30-140					

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0183	0.0183	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/10/2016 14:50	08/11/2016 23:29	AMC
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0183	0.0183	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/10/2016 14:50	08/11/2016 23:29	AMC
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0183	0.0183	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/10/2016 14:50	08/11/2016 23:29	AMC
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0183	0.0183	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/10/2016 14:50	08/11/2016 23:29	AMC
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0183	0.0183	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/10/2016 14:50	08/11/2016 23:29	AMC



Sample Information

Client Sample ID: SB-11 (1'-2')

York Sample ID: 16H0470-08

York Project (SDG) No.
16H0470

Client Project ID
1678 & 1700 Park Avenue

Matrix
Soil

Collection Date/Time
August 9, 2016 4:20 pm

Date Received
08/09/2016

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0183	0.0183	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/10/2016 14:50	08/11/2016 23:29	AMC
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0183	0.0183	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/10/2016 14:50	08/11/2016 23:29	AMC
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0183	0.0183	1	EPA 8082A Certifications:	08/10/2016 14:50	08/11/2016 23:29	AMC
Surrogate Recoveries		Result		Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	45.5 %		30-140							
2051-24-3	Surrogate: Decachlorobiphenyl	42.0 %		30-140							

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	6630		mg/kg dry	5.51	5.51	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 01:18	KV
7440-36-0	Antimony	ND		mg/kg dry	0.551	0.551	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 01:18	KV
7440-38-2	Arsenic	4.48		mg/kg dry	1.10	1.10	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 01:18	KV
7440-39-3	Barium	139		mg/kg dry	1.10	1.10	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 01:18	KV
7440-41-7	Beryllium	ND		mg/kg dry	0.110	0.110	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 01:18	KV
7440-43-9	Cadmium	0.466		mg/kg dry	0.330	0.330	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 01:18	KV
7440-70-2	Calcium	30900		mg/kg dry	0.551	5.51	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 01:18	KV
7440-47-3	Chromium	21.2		mg/kg dry	0.551	0.551	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 01:18	KV
7440-48-4	Cobalt	7.37		mg/kg dry	0.551	0.551	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 01:18	KV
7440-50-8	Copper	45.7		mg/kg dry	0.551	0.551	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 01:18	KV
7439-89-6	Iron	24900		mg/kg dry	2.20	2.20	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 01:18	KV
7439-92-1	Lead	103		mg/kg dry	0.330	0.330	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 01:18	KV
7439-95-4	Magnesium	4160		mg/kg dry	5.51	5.51	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 01:18	KV
7439-96-5	Manganese	342		mg/kg dry	0.551	0.551	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 01:18	KV
7440-02-0	Nickel	19.5		mg/kg dry	0.551	0.551	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 01:18	KV



Sample Information

Client Sample ID: SB-11 (1'-2')

York Sample ID: 16H0470-08

York Project (SDG) No.

16H0470

Client Project ID

1678 & 1700 Park Avenue

Matrix

Soil

Collection Date/Time

August 9, 2016 4:20 pm

Date Received

08/09/2016

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-09-7	Potassium	2110		mg/kg dry	5.51	5.51	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 01:18	KV
7782-49-2	Selenium	2.43		mg/kg dry	1.10	1.10	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 01:18	KV
7440-22-4	Silver	ND		mg/kg dry	0.551	0.551	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 01:18	KV
7440-23-5	Sodium	578		mg/kg dry	11.0	11.0	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 10:41	08/12/2016 01:18	KV
7440-28-0	Thallium	ND		mg/kg dry	1.10	1.10	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 01:18	KV
7440-62-2	Vanadium	22.6		mg/kg dry	1.10	1.10	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 01:18	KV
7440-66-6	Zinc	162		mg/kg dry	1.10	1.10	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 01:18	KV

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.158		mg/kg dry	0.0330	0.0330	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	08/11/2016 06:26	08/11/2016 17:19	ALD

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	90.8		%	0.100	0.100	1	SM 2540G Certifications: CTDOH	08/10/2016 18:10	08/10/2016 21:04	TJM

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.385	0.551	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	08/15/2016 08:39	08/15/2016 14:04	LAB

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	21.2		mg/kg	0.250	0.500	1	Calculation Certifications:	08/16/2016 16:45	08/16/2016 16:46	AD



Sample Information

Client Sample ID: SB-11 (1'-2')

York Sample ID: 16H0470-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

16H0470

1678 & 1700 Park Avenue

Soil

August 9, 2016 4:20 pm

08/09/2016

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.551	0.551	1	EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/16/2016 08:17	08/16/2016 14:05	AD

Sample Information

Client Sample ID: SB-11 (7'-8')

York Sample ID: 16H0470-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

16H0470

1678 & 1700 Park Avenue

Soil

August 9, 2016 4:25 pm

08/09/2016

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to 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	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 05:14	SS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 05:14	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 05:14	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 05:14	SS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 05:14	SS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 05:14	SS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 05:14	SS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 05:14	SS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 05:14	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 05:14	SS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 05:14	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 05:14	SS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 05:14	SS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 05:14	SS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 05:14	SS



Sample Information

Client Sample ID: SB-11 (7'-8')

York Sample ID: 16H0470-09

York Project (SDG) No.

16H0470

Client Project ID

1678 & 1700 Park Avenue

Matrix

Soil

Collection Date/Time

August 9, 2016 4:25 pm

Date Received

08/09/2016

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications:	08/12/2016 17:27 CTDOH,NELAC-NY10854,NJDEP	08/13/2016 05:14	SS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications:	08/12/2016 17:27 CTDOH,NELAC-NY10854,NJDEP	08/13/2016 05:14	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications:	08/12/2016 17:27 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/13/2016 05:14	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications:	08/12/2016 17:27 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/13/2016 05:14	SS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.039	0.079	1	EPA 8260C Certifications:	08/12/2016 17:27 NELAC-NY10854,NJDEP	08/13/2016 05:14	SS
78-93-3	2-Butanone	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications:	08/12/2016 17:27 CTDOH,NELAC-NY10854,NJDEP	08/13/2016 05:14	SS
591-78-6	2-Hexanone	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications:	08/12/2016 17:27 CTDOH,NELAC-NY10854,NJDEP	08/13/2016 05:14	SS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications:	08/12/2016 17:27 CTDOH,NELAC-NY10854,NJDEP	08/13/2016 05:14	SS
67-64-1	Acetone	ND		mg/kg dry	0.0039	0.0079	1	EPA 8260C Certifications:	08/12/2016 17:27 CTDOH,NELAC-NY10854,NJDEP	08/13/2016 05:14	SS
107-02-8	Acrolein	ND		mg/kg dry	0.0039	0.0079	1	EPA 8260C Certifications:	08/12/2016 17:27 CTDOH,NELAC-NY10854,NJDEP	08/13/2016 05:14	SS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications:	08/12/2016 17:27 CTDOH,NELAC-NY10854,NJDEP	08/13/2016 05:14	SS
71-43-2	Benzene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications:	08/12/2016 17:27 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/13/2016 05:14	SS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications:	08/12/2016 17:27 NELAC-NY10854,NJDEP	08/13/2016 05:14	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications:	08/12/2016 17:27 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/13/2016 05:14	SS
75-25-2	Bromoform	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications:	08/12/2016 17:27 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/13/2016 05:14	SS
74-83-9	Bromomethane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications:	08/12/2016 17:27 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/13/2016 05:14	SS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications:	08/12/2016 17:27 CTDOH,NELAC-NY10854,NJDEP	08/13/2016 05:14	SS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications:	08/12/2016 17:27 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/13/2016 05:14	SS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications:	08/12/2016 17:27 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/13/2016 05:14	SS
75-00-3	Chloroethane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications:	08/12/2016 17:27 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/13/2016 05:14	SS
67-66-3	Chloroform	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications:	08/12/2016 17:27 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/13/2016 05:14	SS
74-87-3	Chloromethane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications:	08/12/2016 17:27 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/13/2016 05:14	SS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications:	08/12/2016 17:27 CTDOH,NELAC-NY10854,NJDEP	08/13/2016 05:14	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications:	08/12/2016 17:27 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/13/2016 05:14	SS



Sample Information

Client Sample ID: SB-11 (7'-8')

York Sample ID: 16H0470-09

York Project (SDG) No.

16H0470

Client Project ID

1678 & 1700 Park Avenue

Matrix

Soil

Collection Date/Time

August 9, 2016 4:25 pm

Date Received

08/09/2016

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
110-82-7	Cyclohexane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 05:14	SS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 05:14	SS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 05:14	SS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 05:14	SS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 05:14	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 05:14	SS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 05:14	SS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 05:14	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 05:14	SS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 05:14	SS
75-09-2	Methylene chloride	ND		mg/kg dry	0.0039	0.0079	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 05:14	SS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 05:14	SS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 05:14	SS
95-47-6	o-Xylene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854	08/12/2016 17:27	08/13/2016 05:14	SS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0039	0.0079	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854	08/12/2016 17:27	08/13/2016 05:14	SS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 05:14	SS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 05:14	SS
100-42-5	Styrene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 05:14	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 05:14	SS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 05:14	SS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 05:14	SS
108-88-3	Toluene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 05:14	SS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 17:27	08/13/2016 05:14	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 05:14	SS



Sample Information

Client Sample ID: SB-11 (7'-8')

York Sample ID: 16H0470-09

York Project (SDG) No.
16H0470

Client Project ID
1678 & 1700 Park Avenue

Matrix
Soil

Collection Date/Time
August 9, 2016 4:25 pm

Date Received
08/09/2016

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 05:14	SS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 05:14	SS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 05:14	SS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0059	0.012	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 17:27	08/13/2016 05:14	SS
Surrogate Recoveries		Result		Acceptance Range							
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	106 %		77-125							
2037-26-5	Surrogate: Toluene-d8	94.8 %		85-120							
460-00-4	Surrogate: p-Bromofluorobenzene	95.9 %		76-130							

Semi-Volatiles, 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	0.0450	0.0898	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 13:04	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0898	0.179	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 13:04	SR
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 13:04	SR
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/12/2016 12:24	08/15/2016 13:04	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 13:04	SR
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/12/2016 12:24	08/15/2016 13:04	SR
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/12/2016 12:24	08/15/2016 13:04	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0898	0.179	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 13:04	SR
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 13:04	SR
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 13:04	SR
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 13:04	SR
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 13:04	SR
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0898	0.179	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 13:04	SR
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 13:04	SR



Sample Information

Client Sample ID: SB-11 (7'-8')

York Sample ID: 16H0470-09

York Project (SDG) No.
16H0470

Client Project ID
1678 & 1700 Park Avenue

Matrix
Soil

Collection Date/Time
August 9, 2016 4:25 pm

Date Received
08/09/2016

Semi-Volatiles, 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
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 13:04	SR
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 13:04	SR
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 13:04	SR
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 13:04	SR
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 13:04	SR
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0898	0.179	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 13:04	SR
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 13:04	SR
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 13:04	SR
91-94-1	3,3'-Dichlorobenzidine	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 13:04	SR
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0898	0.179	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 13:04	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0898	0.179	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 13:04	SR
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 13:04	SR
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 13:04	SR
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 13:04	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 13:04	SR
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0898	0.179	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 13:04	SR
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0898	0.179	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 13:04	SR
83-32-9	Acenaphthene	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 13:04	SR
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 13:04	SR
98-86-2	Acetophenone	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 13:04	SR
62-53-3	Aniline	ND		mg/kg dry	0.180	0.359	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 13:04	SR
120-12-7	Anthracene	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 13:04	SR
1912-24-9	Atrazine	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 13:04	SR
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 13:04	SR



Sample Information

Client Sample ID: SB-11 (7'-8')

York Sample ID: 16H0470-09

York Project (SDG) No.
16H0470

Client Project ID
1678 & 1700 Park Avenue

Matrix
Soil

Collection Date/Time
August 9, 2016 4:25 pm

Date Received
08/09/2016

Semi-Volatiles, 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
92-87-5	Benzidine	ND		mg/kg dry	0.180	0.359	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	08/12/2016 12:24	08/15/2016 13:04	SR
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 13:04	SR
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 13:04	SR
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 13:04	SR
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 13:04	SR
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 13:04	SR
65-85-0	Benzoic acid	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 13:04	SR
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 13:04	SR
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 13:04	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 13:04	SR
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 13:04	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 13:04	SR
117-81-7	Bis(2-ethylhexyl)phthalate	3.81		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 13:04	SR
105-60-2	Caprolactam	ND		mg/kg dry	0.0898	0.179	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 13:04	SR
86-74-8	Carbazole	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 13:04	SR
218-01-9	Chrysene	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 13:04	SR
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 13:04	SR
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 13:04	SR
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 13:04	SR
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 13:04	SR
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 13:04	SR
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 13:04	SR
206-44-0	Fluoranthene	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 13:04	SR
86-73-7	Fluorene	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 13:04	SR



Sample Information

Client Sample ID: SB-11 (7'-8')

York Sample ID: 16H0470-09

York Project (SDG) No.

16H0470

Client Project ID

1678 & 1700 Park Avenue

Matrix

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Collection Date/Time

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08/09/2016

Semi-Volatiles, 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
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 13:04	SR
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 13:04	SR
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 13:04	SR
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 13:04	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 13:04	SR
78-59-1	Isophorone	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 13:04	SR
91-20-3	Naphthalene	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 13:04	SR
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 13:04	SR
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 13:04	SR
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 13:04	SR
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 13:04	SR
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 13:04	SR
85-01-8	Phenanthrene	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 13:04	SR
108-95-2	Phenol	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 13:04	SR
129-00-0	Pyrene	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:24	08/15/2016 13:04	SR
Surrogate Recoveries		Result		Acceptance Range							
367-12-4	Surrogate: 2-Fluorophenol	72.3 %									
4165-62-2	Surrogate: Phenol-d5	76.3 %									
4165-60-0	Surrogate: Nitrobenzene-d5	70.7 %									
321-60-8	Surrogate: 2-Fluorobiphenyl	81.8 %									
118-79-6	Surrogate: 2,4,6-Tribromophenol	90.8 %									
1718-51-0	Surrogate: Terphenyl-d14	69.4 %									

Pesticides, 8081 target list

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
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00178	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/12/2016 21:56	AMC



Sample Information

Client Sample ID: SB-11 (7'-8')

York Sample ID: 16H0470-09

York Project (SDG) No.

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Client Project ID

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Matrix

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Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00178	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/12/2016 21:56	AMC
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00178	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/12/2016 21:56	AMC
309-00-2	Aldrin	ND		mg/kg dry	0.00178	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/12/2016 21:56	AMC
319-84-6	alpha-BHC	ND		mg/kg dry	0.00178	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/12/2016 21:56	AMC
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00178	0.00178	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/10/2016 14:50	08/12/2016 21:56	AMC
319-85-7	beta-BHC	ND		mg/kg dry	0.00178	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/12/2016 21:56	AMC
57-74-9	Chlordane, total	ND		mg/kg dry	0.0710	0.0710	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/12/2016 21:56	AMC
319-86-8	delta-BHC	ND		mg/kg dry	0.00178	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/12/2016 21:56	AMC
60-57-1	Dieldrin	ND		mg/kg dry	0.00178	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/12/2016 21:56	AMC
959-98-8	Endosulfan I	ND		mg/kg dry	0.00178	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/12/2016 21:56	AMC
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00178	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/12/2016 21:56	AMC
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00178	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/12/2016 21:56	AMC
72-20-8	Endrin	ND		mg/kg dry	0.00178	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/12/2016 21:56	AMC
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00178	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/12/2016 21:56	AMC
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00178	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/12/2016 21:56	AMC
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00178	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/12/2016 21:56	AMC
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00178	0.00178	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/10/2016 14:50	08/12/2016 21:56	AMC
76-44-8	Heptachlor	ND		mg/kg dry	0.00178	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/12/2016 21:56	AMC
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00178	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/12/2016 21:56	AMC
72-43-5	Methoxychlor	ND		mg/kg dry	0.00888	0.00888	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/12/2016 21:56	AMC
8001-35-2	Toxaphene	ND		mg/kg dry	0.0899	0.0899	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/10/2016 14:50	08/12/2016 21:56	AMC
Surrogate Recoveries		Result	Acceptance Range								
877-09-8	Surrogate: Tetrachloro-m-xylene	70.8 %	30-140								
2051-24-3	Surrogate: Decachlorobiphenyl	71.3 %	30-140								



Sample Information

Client Sample ID: SB-11 (7'-8')

York Sample ID: 16H0470-09

York Project (SDG) No.
16H0470

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1678 & 1700 Park Avenue

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Collection Date/Time
August 9, 2016 4:25 pm

Date Received
08/09/2016

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0179	0.0179	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/10/2016 14:50	08/11/2016 23:48	AMC
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0179	0.0179	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/10/2016 14:50	08/11/2016 23:48	AMC
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0179	0.0179	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/10/2016 14:50	08/11/2016 23:48	AMC
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0179	0.0179	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/10/2016 14:50	08/11/2016 23:48	AMC
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0179	0.0179	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/10/2016 14:50	08/11/2016 23:48	AMC
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0179	0.0179	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/10/2016 14:50	08/11/2016 23:48	AMC
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0179	0.0179	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/10/2016 14:50	08/11/2016 23:48	AMC
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0179	0.0179	1	EPA 8082A Certifications:	08/10/2016 14:50	08/11/2016 23:48	AMC
Surrogate Recoveries		Result	Acceptance Range								
877-09-8	Surrogate: Tetrachloro-m-xylene	65.0 %	30-140								
2051-24-3	Surrogate: Decachlorobiphenyl	52.5 %	30-140								

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	8250		mg/kg dry	5.38	5.38	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 01:23	KV
7440-36-0	Antimony	ND		mg/kg dry	0.538	0.538	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 01:23	KV
7440-38-2	Arsenic	2.05		mg/kg dry	1.08	1.08	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 01:23	KV
7440-39-3	Barium	107		mg/kg dry	1.08	1.08	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 01:23	KV
7440-41-7	Beryllium	ND		mg/kg dry	0.108	0.108	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 01:23	KV
7440-43-9	Cadmium	0.367		mg/kg dry	0.323	0.323	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 01:23	KV
7440-70-2	Calcium	23600		mg/kg dry	0.538	5.38	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 01:23	KV
7440-47-3	Chromium	14.2		mg/kg dry	0.538	0.538	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 01:23	KV
7440-48-4	Cobalt	9.47		mg/kg dry	0.538	0.538	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 01:23	KV
7440-50-8	Copper	26.4		mg/kg dry	0.538	0.538	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 01:23	KV



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Matrix

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Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	15800		mg/kg dry	2.15	2.15	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 01:23	KV
7439-92-1	Lead	51.5		mg/kg dry	0.323	0.323	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 01:23	KV
7439-95-4	Magnesium	3950		mg/kg dry	5.38	5.38	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 01:23	KV
7439-96-5	Manganese	171		mg/kg dry	0.538	0.538	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 01:23	KV
7440-02-0	Nickel	17.6		mg/kg dry	0.538	0.538	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 01:23	KV
7440-09-7	Potassium	4350		mg/kg dry	5.38	5.38	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 01:23	KV
7782-49-2	Selenium	ND		mg/kg dry	1.08	1.08	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 01:23	KV
7440-22-4	Silver	ND		mg/kg dry	0.538	0.538	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 01:23	KV
7440-23-5	Sodium	415		mg/kg dry	10.8	10.8	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/11/2016 10:41	08/12/2016 01:23	KV
7440-28-0	Thallium	ND		mg/kg dry	1.08	1.08	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 01:23	KV
7440-62-2	Vanadium	25.1		mg/kg dry	1.08	1.08	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 01:23	KV
7440-66-6	Zinc	66.1		mg/kg dry	1.08	1.08	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/11/2016 10:41	08/12/2016 01:23	KV

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.929		mg/kg dry	0.0323	0.0323	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	08/11/2016 06:26	08/11/2016 17:28	ALD

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	92.9		%	0.100	0.100	1	SM 2540G Certifications: CTDOH	08/10/2016 18:10	08/10/2016 21:04	TJM

Chromium, Hexavalent

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: SB-11 (7'-8')

York Sample ID: 16H0470-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

16H0470

1678 & 1700 Park Avenue

Soil

August 9, 2016 4:25 pm

08/09/2016

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.377	0.538	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	08/15/2016 08:39	08/15/2016 14:04	LAB

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	14.2		mg/kg	0.250	0.500	1	Calculation Certifications:	08/16/2016 16:45	08/16/2016 16:46	AD

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.538	0.538	1	EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/16/2016 08:17	08/16/2016 14:05	AD

Sample Information

Client Sample ID: Trip Blank

York Sample ID: 16H0470-10

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

16H0470

1678 & 1700 Park Avenue

Water

August 9, 2016 12:00 am

08/09/2016

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/13/2016 11:06	08/13/2016 18:41	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/13/2016 11:06	08/13/2016 18:41	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/13/2016 11:06	08/13/2016 18:41	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/13/2016 11:06	08/13/2016 18:41	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/13/2016 11:06	08/13/2016 18:41	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/13/2016 11:06	08/13/2016 18:41	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/13/2016 11:06	08/13/2016 18:41	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/13/2016 11:06	08/13/2016 18:41	SS



Sample Information

Client Sample ID: Trip Blank

York Sample ID: 16H0470-10

York Project (SDG) No.

16H0470

Client Project ID

1678 & 1700 Park Avenue

Matrix

Water

Collection Date/Time

August 9, 2016 12:00 am

Date Received

08/09/2016

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/13/2016 11:06	08/13/2016 18:41	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/13/2016 11:06	08/13/2016 18:41	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/13/2016 11:06	08/13/2016 18:41	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/13/2016 11:06	08/13/2016 18:41	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/13/2016 11:06	08/13/2016 18:41	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/13/2016 11:06	08/13/2016 18:41	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/13/2016 11:06	08/13/2016 18:41	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/13/2016 11:06	08/13/2016 18:41	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/13/2016 11:06	08/13/2016 18:41	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/13/2016 11:06	08/13/2016 18:41	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/13/2016 11:06	08/13/2016 18:41	SS
123-91-1	1,4-Dioxane	ND		ug/L	40	80	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/13/2016 11:06	08/13/2016 18:41	SS
78-93-3	2-Butanone	ND		ug/L	0.20	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/13/2016 11:06	08/13/2016 18:41	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/13/2016 11:06	08/13/2016 18:41	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/13/2016 11:06	08/13/2016 18:41	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/13/2016 11:06	08/13/2016 18:41	SS
107-02-8	Acrolein	ND		ug/L	0.20	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/13/2016 11:06	08/13/2016 18:41	SS
107-13-1	Acrylonitrile	ND		ug/L	0.20	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/13/2016 11:06	08/13/2016 18:41	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/13/2016 11:06	08/13/2016 18:41	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/13/2016 11:06	08/13/2016 18:41	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/13/2016 11:06	08/13/2016 18:41	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/13/2016 11:06	08/13/2016 18:41	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/13/2016 11:06	08/13/2016 18:41	SS
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/13/2016 11:06	08/13/2016 18:41	SS



Sample Information

Client Sample ID: Trip Blank

York Sample ID: 16H0470-10

York Project (SDG) No.
16H0470

Client Project ID
1678 & 1700 Park Avenue

Matrix
Water

Collection Date/Time
August 9, 2016 12:00 am

Date Received
08/09/2016

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/13/2016 11:06	08/13/2016 18:41	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/13/2016 11:06	08/13/2016 18:41	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/13/2016 11:06	08/13/2016 18:41	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/13/2016 11:06	08/13/2016 18:41	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/13/2016 11:06	08/13/2016 18:41	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/13/2016 11:06	08/13/2016 18:41	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/13/2016 11:06	08/13/2016 18:41	SS
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/13/2016 11:06	08/13/2016 18:41	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/13/2016 11:06	08/13/2016 18:41	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/13/2016 11:06	08/13/2016 18:41	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/13/2016 11:06	08/13/2016 18:41	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/13/2016 11:06	08/13/2016 18:41	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/13/2016 11:06	08/13/2016 18:41	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/13/2016 11:06	08/13/2016 18:41	SS
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/13/2016 11:06	08/13/2016 18:41	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/13/2016 11:06	08/13/2016 18:41	SS
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/13/2016 11:06	08/13/2016 18:41	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/13/2016 11:06	08/13/2016 18:41	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/13/2016 11:06	08/13/2016 18:41	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/13/2016 11:06	08/13/2016 18:41	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854	08/13/2016 11:06	08/13/2016 18:41	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: NELAC-NY10854	08/13/2016 11:06	08/13/2016 18:41	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/13/2016 11:06	08/13/2016 18:41	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/13/2016 11:06	08/13/2016 18:41	SS



Sample Information

Client Sample ID: Trip Blank

York Sample ID: 16H0470-10

York Project (SDG) No.

16H0470

Client Project ID

1678 & 1700 Park Avenue

Matrix

Water

Collection Date/Time

August 9, 2016 12:00 am

Date Received

08/09/2016

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/13/2016 11:06	08/13/2016 18:41	SS
75-65-0	tert-Butyl alcohol (TBA)	1.1	J	ug/L	0.50	2.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/13/2016 11:06	08/13/2016 18:41	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/13/2016 11:06	08/13/2016 18:41	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/13/2016 11:06	08/13/2016 18:41	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/13/2016 11:06	08/13/2016 18:41	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/13/2016 11:06	08/13/2016 18:41	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/13/2016 11:06	08/13/2016 18:41	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/13/2016 11:06	08/13/2016 18:41	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/13/2016 11:06	08/13/2016 18:41	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/13/2016 11:06	08/13/2016 18:41	SS
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NJDEP	08/13/2016 11:06	08/13/2016 18:41	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	101 %	69-130								
2037-26-5	Surrogate: Toluene-d8	102 %	81-117								
460-00-4	Surrogate: p-Bromofluorobenzene	98.4 %	79-122								



Analytical Batch Summary

Batch ID: BH60654 **Preparation Method:** % Solids Prep **Prepared By:** TJM

YORK Sample ID	Client Sample ID	Preparation Date
16H0470-01	SB-3 (2'-3')	08/10/16
16H0470-02	SB-3 (9'-10')	08/10/16
16H0470-03	SB-4 (1'-2')	08/10/16

Batch ID: BH60658 **Preparation Method:** EPA 3550C **Prepared By:** TB

YORK Sample ID	Client Sample ID	Preparation Date
16H0470-01	SB-3 (2'-3')	08/10/16
16H0470-01	SB-3 (2'-3')	08/10/16
16H0470-02	SB-3 (9'-10')	08/10/16
16H0470-02	SB-3 (9'-10')	08/10/16
16H0470-03	SB-4 (1'-2')	08/10/16
16H0470-03	SB-4 (1'-2')	08/10/16
16H0470-04	SB-4 (14'-15')	08/10/16
16H0470-04	SB-4 (14'-15')	08/10/16
16H0470-05	SB-6 (1'-2')	08/10/16
16H0470-05	SB-6 (1'-2')	08/10/16
16H0470-06	SB-7 (1'-2')	08/10/16
16H0470-06	SB-7 (1'-2')	08/10/16
16H0470-07	SB-7 (8'-9')	08/10/16
16H0470-07	SB-7 (8'-9')	08/10/16
16H0470-08	SB-11 (1'-2')	08/10/16
16H0470-08	SB-11 (1'-2')	08/10/16
16H0470-09	SB-11 (7'-8')	08/10/16
16H0470-09	SB-11 (7'-8')	08/10/16
BH60658-BLK1	Blank	08/10/16
BH60658-BLK2	Blank	08/10/16
BH60658-BS1	LCS	08/10/16
BH60658-BS2	LCS	08/10/16
BH60658-BSD2	LCS Dup	08/10/16

Batch ID: BH60671 **Preparation Method:** % Solids Prep **Prepared By:** TJM

YORK Sample ID	Client Sample ID	Preparation Date
16H0470-04	SB-4 (14'-15')	08/10/16
16H0470-05	SB-6 (1'-2')	08/10/16
16H0470-06	SB-7 (1'-2')	08/10/16
16H0470-07	SB-7 (8'-9')	08/10/16
16H0470-08	SB-11 (1'-2')	08/10/16
16H0470-09	SB-11 (7'-8')	08/10/16

Batch ID: BH60681 **Preparation Method:** EPA 7473 soil **Prepared By:** ALD

YORK Sample ID	Client Sample ID	Preparation Date



16H0470-01	SB-3 (2'-3')	08/11/16
16H0470-02	SB-3 (9'-10')	08/11/16
BH60681-BLK1	Blank	08/11/16
BH60681-SRM1	Reference	08/11/16

Batch ID: BH60682 **Preparation Method:** EPA 7473 soil **Prepared By:** ALD

YORK Sample ID	Client Sample ID	Preparation Date
16H0470-03	SB-4 (1'-2')	08/11/16
16H0470-04	SB-4 (14'-15')	08/11/16
16H0470-05	SB-6 (1'-2')	08/11/16
16H0470-06	SB-7 (1'-2')	08/11/16
16H0470-07	SB-7 (8'-9')	08/11/16
16H0470-08	SB-11 (1'-2')	08/11/16
16H0470-09	SB-11 (7'-8')	08/11/16
BH60682-BLK1	Blank	08/11/16
BH60682-SRM1	Reference	08/11/16

Batch ID: BH60724 **Preparation Method:** EPA 3050B **Prepared By:** ALD

YORK Sample ID	Client Sample ID	Preparation Date
16H0470-01	SB-3 (2'-3')	08/11/16
16H0470-02	SB-3 (9'-10')	08/11/16
16H0470-03	SB-4 (1'-2')	08/11/16
16H0470-04	SB-4 (14'-15')	08/11/16
16H0470-05	SB-6 (1'-2')	08/11/16
16H0470-06	SB-7 (1'-2')	08/11/16
16H0470-07	SB-7 (8'-9')	08/11/16
16H0470-08	SB-11 (1'-2')	08/11/16
16H0470-09	SB-11 (7'-8')	08/11/16
BH60724-BLK1	Blank	08/11/16

Batch ID: BH60807 **Preparation Method:** EPA 3550C **Prepared By:** MGL

YORK Sample ID	Client Sample ID	Preparation Date
16H0470-01	SB-3 (2'-3')	08/12/16
16H0470-02	SB-3 (9'-10')	08/12/16
16H0470-03	SB-4 (1'-2')	08/12/16
16H0470-04	SB-4 (14'-15')	08/12/16
16H0470-05	SB-6 (1'-2')	08/12/16
16H0470-06	SB-7 (1'-2')	08/12/16
16H0470-07	SB-7 (8'-9')	08/12/16
16H0470-08	SB-11 (1'-2')	08/12/16
16H0470-09	SB-11 (7'-8')	08/12/16
BH60807-BLK1	Blank	08/12/16
BH60807-BS1	LCS	08/12/16
BH60807-BSD1	LCS Dup	08/12/16

Batch ID: BH60835 **Preparation Method:** EPA 5035A **Prepared By:** BGS



YORK Sample ID	Client Sample ID	Preparation Date
16H0470-01	SB-3 (2'-3')	08/12/16
BH60835-BLK1	Blank	08/12/16
BH60835-BLK2	Blank	08/12/16
BH60835-BS1	LCS	08/12/16
BH60835-BSD1	LCS Dup	08/12/16

Batch ID: BH60836 **Preparation Method:** EPA 5035A **Prepared By:** BGS

YORK Sample ID	Client Sample ID	Preparation Date
16H0470-03	SB-4 (1'-2')	08/12/16
16H0470-04	SB-4 (14'-15')	08/12/16
16H0470-05	SB-6 (1'-2')	08/12/16
16H0470-06	SB-7 (1'-2')	08/12/16
16H0470-07	SB-7 (8'-9')	08/12/16
16H0470-08	SB-11 (1'-2')	08/12/16
16H0470-09	SB-11 (7'-8')	08/12/16
BH60836-BLK1	Blank	08/12/16
BH60836-BS1	LCS	08/12/16
BH60836-BSD1	LCS Dup	08/12/16

Batch ID: BH60853 **Preparation Method:** EPA 5030B **Prepared By:** OW

YORK Sample ID	Client Sample ID	Preparation Date
16H0470-10	Trip Blank	08/13/16
BH60853-BLK1	Blank	08/13/16
BH60853-BS1	LCS	08/13/16
BH60853-BSD1	LCS Dup	08/13/16

Batch ID: BH60872 **Preparation Method:** Analysis Preparation Soil **Prepared By:** AD

YORK Sample ID	Client Sample ID	Preparation Date
16H0470-01	SB-3 (2'-3')	08/15/16
16H0470-02	SB-3 (9'-10')	08/15/16
BH60872-BLK1	Blank	08/15/16
BH60872-SRM1	Reference	08/15/16

Batch ID: BH60874 **Preparation Method:** EPA SW846-3060 **Prepared By:** LAB

YORK Sample ID	Client Sample ID	Preparation Date
16H0470-01	SB-3 (2'-3')	08/15/16
16H0470-02	SB-3 (9'-10')	08/15/16
16H0470-03	SB-4 (1'-2')	08/15/16
16H0470-04	SB-4 (14'-15')	08/15/16
16H0470-05	SB-6 (1'-2')	08/15/16
16H0470-06	SB-7 (1'-2')	08/15/16
16H0470-07	SB-7 (8'-9')	08/15/16
16H0470-08	SB-11 (1'-2')	08/15/16
16H0470-09	SB-11 (7'-8')	08/15/16



BH60874-BLK1	Blank	08/15/16
BH60874-SRM1	Reference	08/15/16

Batch ID: BH60946 **Preparation Method:** EPA 5035A **Prepared By:** BGS

YORK Sample ID	Client Sample ID	Preparation Date
16H0470-02	SB-3 (9'-10')	08/16/16
BH60946-BLK1	Blank	08/16/16
BH60946-BLK2	Blank	08/16/16
BH60946-BS1	LCS	08/16/16
BH60946-BSD1	LCS Dup	08/16/16

Batch ID: BH60952 **Preparation Method:** Analysis Preparation Soil **Prepared By:** AD

YORK Sample ID	Client Sample ID	Preparation Date
16H0470-03	SB-4 (1'-2')	08/16/16
16H0470-04	SB-4 (14'-15')	08/16/16
16H0470-05	SB-6 (1'-2')	08/16/16
16H0470-06	SB-7 (1'-2')	08/16/16
16H0470-07	SB-7 (8'-9')	08/16/16
16H0470-08	SB-11 (1'-2')	08/16/16
16H0470-09	SB-11 (7'-8')	08/16/16
BH60952-BLK1	Blank	08/16/16
BH60952-SRM1	Reference	08/16/16

Batch ID: BH60992 **Preparation Method:** Analysis Preparation **Prepared By:** AD

YORK Sample ID	Client Sample ID	Preparation Date
16H0470-01	SB-3 (2'-3')	08/16/16
16H0470-02	SB-3 (9'-10')	08/16/16
16H0470-03	SB-4 (1'-2')	08/16/16
16H0470-04	SB-4 (14'-15')	08/16/16
16H0470-05	SB-6 (1'-2')	08/16/16
16H0470-06	SB-7 (1'-2')	08/16/16
16H0470-07	SB-7 (8'-9')	08/16/16
16H0470-08	SB-11 (1'-2')	08/16/16
16H0470-09	SB-11 (7'-8')	08/16/16



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 BH60835 - EPA 5035A

Blank (BH60835-BLK1)

Prepared & Analyzed: 08/12/2016

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



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BH60835 - EPA 5035A

Blank (BH60835-BLK1)

Prepared & Analyzed: 08/12/2016

n-Propylbenzene	ND	0.0050	mg/kg wet
o-Xylene	ND	0.0050	"
p- & m- Xylenes	ND	0.010	"
p-Isopropyltoluene	ND	0.0050	"
sec-Butylbenzene	ND	0.0050	"
Styrene	ND	0.0050	"
tert-Butyl alcohol (TBA)	ND	0.0050	"
tert-Butylbenzene	ND	0.0050	"
Tetrachloroethylene	ND	0.0050	"
Toluene	ND	0.0050	"
trans-1,2-Dichloroethylene	ND	0.0050	"
trans-1,3-Dichloropropylene	ND	0.0050	"
Trichloroethylene	ND	0.0050	"
Trichlorofluoromethane	ND	0.0050	"
Vinyl Chloride	ND	0.0050	"
Xylenes, Total	ND	0.015	"

Surrogate: 1,2-Dichloroethane-d4	47.2	ug/L	50.0	94.3	77-125
Surrogate: Toluene-d8	50.4	"	50.0	101	85-120
Surrogate: p-Bromofluorobenzene	49.9	"	50.0	99.8	76-130

Blank (BH60835-BLK2)

Prepared & Analyzed: 08/12/2016

1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet
1,1,1-Trichloroethane	ND	0.0050	"
1,1,2,2-Tetrachloroethane	ND	0.0050	"
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"
1,1,2-Trichloroethane	ND	0.0050	"
1,1-Dichloroethane	ND	0.0050	"
1,1-Dichloroethylene	ND	0.0050	"
1,2,3-Trichlorobenzene	ND	0.0050	"
1,2,3-Trichloropropane	ND	0.0050	"
1,2,4-Trichlorobenzene	ND	0.0050	"
1,2,4-Trimethylbenzene	ND	0.0050	"
1,2-Dibromo-3-chloropropane	ND	0.0050	"
1,2-Dibromoethane	ND	0.0050	"
1,2-Dichlorobenzene	ND	0.0050	"
1,2-Dichloroethane	ND	0.0050	"
1,2-Dichloropropane	ND	0.0050	"
1,3,5-Trimethylbenzene	ND	0.0050	"
1,3-Dichlorobenzene	ND	0.0050	"
1,4-Dichlorobenzene	ND	0.0050	"
1,4-Dioxane	ND	0.10	"
2-Butanone	ND	0.0050	"
2-Hexanone	ND	0.0050	"
4-Methyl-2-pentanone	ND	0.0050	"
Acetone	ND	0.010	"
Acrolein	ND	0.010	"
Acrylonitrile	ND	0.0050	"
Benzene	ND	0.0050	"
Bromochloromethane	ND	0.0050	"
Bromodichloromethane	ND	0.0050	"
Bromoform	ND	0.0050	"
Bromomethane	ND	0.0050	"



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 BH60835 - EPA 5035A

Blank (BH60835-BLK2)

Prepared & Analyzed: 08/12/2016

Carbon disulfide	ND	0.0050	mg/kg wet
Carbon tetrachloride	ND	0.0050	"
Chlorobenzene	ND	0.0050	"
Chloroethane	ND	0.0050	"
Chloroform	ND	0.0050	"
Chloromethane	ND	0.0050	"
cis-1,2-Dichloroethylene	ND	0.0050	"
cis-1,3-Dichloropropylene	ND	0.0050	"
Cyclohexane	ND	0.0050	"
Dibromochloromethane	ND	0.0050	"
Dibromomethane	ND	0.0050	"
Dichlorodifluoromethane	ND	0.0050	"
Ethyl Benzene	ND	0.0050	"
Hexachlorobutadiene	ND	0.0050	"
Isopropylbenzene	ND	0.0050	"
Methyl acetate	ND	0.0050	"
Methyl tert-butyl ether (MTBE)	ND	0.0050	"
Methylcyclohexane	ND	0.0050	"
Methylene chloride	ND	0.010	"
n-Butylbenzene	ND	0.0050	"
n-Propylbenzene	ND	0.0050	"
o-Xylene	ND	0.0050	"
p- & m- Xylenes	ND	0.010	"
p-Isopropyltoluene	ND	0.0050	"
sec-Butylbenzene	ND	0.0050	"
Styrene	ND	0.0050	"
tert-Butyl alcohol (TBA)	ND	0.0050	"
tert-Butylbenzene	ND	0.0050	"
Tetrachloroethylene	ND	0.0050	"
Toluene	ND	0.0050	"
trans-1,2-Dichloroethylene	ND	0.0050	"
trans-1,3-Dichloropropylene	ND	0.0050	"
Trichloroethylene	ND	0.0050	"
Trichlorofluoromethane	ND	0.0050	"
Vinyl Chloride	ND	0.0050	"
Xylenes, Total	ND	0.015	"

Surrogate: 1,2-Dichloroethane-d4	43.3	ug/L	50.0	86.7	77-125
Surrogate: Toluene-d8	50.5	"	50.0	101	85-120
Surrogate: p-Bromofluorobenzene	49.8	"	50.0	99.5	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 BH60835 - EPA 5035A											
LCS (BH60835-BS1)						Prepared & Analyzed: 08/12/2016					
1,1,1,2-Tetrachloroethane	56		ug/L	50.0		112	75-129				
1,1,1-Trichloroethane	59		"	50.0		117	71-137				
1,1,2,2-Tetrachloroethane	54		"	50.0		107	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	54		"	50.0		109	58-146				
1,1,2-Trichloroethane	55		"	50.0		111	83-123				
1,1-Dichloroethane	57		"	50.0		114	75-130				
1,1-Dichloroethylene	54		"	50.0		107	64-137				
1,2,3-Trichlorobenzene	54		"	50.0		108	81-140				
1,2,3-Trichloropropane	57		"	50.0		114	81-126				
1,2,4-Trichlorobenzene	54		"	50.0		108	80-141				
1,2,4-Trimethylbenzene	54		"	50.0		108	84-125				
1,2-Dibromo-3-chloropropane	58		"	50.0		117	74-142				
1,2-Dibromoethane	58		"	50.0		116	86-123				
1,2-Dichlorobenzene	48		"	50.0		95.6	85-122				
1,2-Dichloroethane	56		"	50.0		112	71-133				
1,2-Dichloropropane	55		"	50.0		110	81-122				
1,3,5-Trimethylbenzene	54		"	50.0		109	82-126				
1,3-Dichlorobenzene	47		"	50.0		93.7	84-124				
1,4-Dichlorobenzene	49		"	50.0		97.6	84-124				
1,4-Dioxane	1500		"	1000		146	10-228				
2-Butanone	48		"	50.0		97.0	58-147				
2-Hexanone	52		"	50.0		104	70-139				
4-Methyl-2-pentanone	55		"	50.0		110	72-132				
Acetone	51		"	50.0		103	36-155				
Acrolein	51		"	50.0		103	10-238				
Acrylonitrile	57		"	50.0		114	66-141				
Benzene	52		"	50.0		104	77-127				
Bromochloromethane	55		"	50.0		110	74-129				
Bromodichloromethane	62		"	50.0		123	81-124				
Bromoform	58		"	50.0		115	80-136				
Bromomethane	42		"	50.0		83.3	32-177				
Carbon disulfide	55		"	50.0		109	10-136				
Carbon tetrachloride	58		"	50.0		117	66-143				
Chlorobenzene	51		"	50.0		102	86-120				
Chloroethane	52		"	50.0		103	51-142				
Chloroform	59		"	50.0		118	76-131				
Chloromethane	56		"	50.0		111	49-132				
cis-1,2-Dichloroethylene	58		"	50.0		116	74-132				
cis-1,3-Dichloropropylene	57		"	50.0		113	81-129				
Cyclohexane	51		"	50.0		103	70-130				
Dibromochloromethane	60		"	50.0		119	10-200				
Dibromomethane	58		"	50.0		116	83-124				
Dichlorodifluoromethane	46		"	50.0		92.9	28-158				
Ethyl Benzene	54		"	50.0		107	84-125				
Hexachlorobutadiene	56		"	50.0		112	83-133				
Isopropylbenzene	53		"	50.0		105	81-127				
Methyl acetate	49		"	50.0		97.2	41-143				
Methyl tert-butyl ether (MTBE)	57		"	50.0		114	74-131				
Methylcyclohexane	54		"	50.0		108	70-130				
Methylene chloride	50		"	50.0		100	57-141				
n-Butylbenzene	52		"	50.0		104	80-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH60835 - EPA 5035A											
LCS (BH60835-BS1)						Prepared & Analyzed: 08/12/2016					
n-Propylbenzene	50		ug/L	50.0		100	74-136				
o-Xylene	52		"	50.0		104	83-123				
p- & m- Xylenes	110		"	100		105	82-128				
p-Isopropyltoluene	53		"	50.0		106	85-125				
sec-Butylbenzene	50		"	50.0		101	83-125				
Styrene	55		"	50.0		111	86-126				
tert-Butyl alcohol (TBA)	65		"	50.0		131	70-130	High Bias			
tert-Butylbenzene	52		"	50.0		105	80-127				
Tetrachloroethylene	56		"	50.0		112	80-129				
Toluene	53		"	50.0		106	85-121				
trans-1,2-Dichloroethylene	56		"	50.0		111	72-132				
trans-1,3-Dichloropropylene	55		"	50.0		111	78-132				
Trichloroethylene	58		"	50.0		116	84-123				
Trichlorofluoromethane	53		"	50.0		106	62-140				
Vinyl Chloride	53		"	50.0		106	52-130				
Surrogate: 1,2-Dichloroethane-d4	50.8		"	50.0		102	77-125				
Surrogate: Toluene-d8	48.0		"	50.0		96.1	85-120				
Surrogate: p-Bromofluorobenzene	51.7		"	50.0		103	76-130				
LCS Dup (BH60835-BSD1)						Prepared & Analyzed: 08/12/2016					
1,1,1,2-Tetrachloroethane	56		ug/L	50.0		113	75-129		0.817	30	
1,1,1-Trichloroethane	61		"	50.0		121	71-137		3.20	30	
1,1,2,2-Tetrachloroethane	57		"	50.0		113	79-129		5.24	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	55		"	50.0		110	58-146		1.15	30	
1,1,2-Trichloroethane	56		"	50.0		112	83-123		1.38	30	
1,1-Dichloroethane	59		"	50.0		117	75-130		2.28	30	
1,1-Dichloroethylene	55		"	50.0		110	64-137		1.88	30	
1,2,3-Trichlorobenzene	56		"	50.0		112	81-140		3.39	30	
1,2,3-Trichloropropane	56		"	50.0		112	81-126		1.08	30	
1,2,4-Trichlorobenzene	56		"	50.0		111	80-141		2.46	30	
1,2,4-Trimethylbenzene	55		"	50.0		111	84-125		2.71	30	
1,2-Dibromo-3-chloropropane	60		"	50.0		120	74-142		3.19	30	
1,2-Dibromoethane	58		"	50.0		116	86-123		0.361	30	
1,2-Dichlorobenzene	49		"	50.0		98.3	85-122		2.87	30	
1,2-Dichloroethane	57		"	50.0		115	71-133		2.08	30	
1,2-Dichloropropane	58		"	50.0		115	81-122		4.63	30	
1,3,5-Trimethylbenzene	55		"	50.0		110	82-126		0.751	30	
1,3-Dichlorobenzene	48		"	50.0		95.0	84-124		1.44	30	
1,4-Dichlorobenzene	49		"	50.0		97.1	84-124		0.493	30	
1,4-Dioxane	1700		"	1000		167	10-228		13.0	30	
2-Butanone	49		"	50.0		98.5	58-147		1.55	30	
2-Hexanone	53		"	50.0		106	70-139		1.73	30	
4-Methyl-2-pentanone	55		"	50.0		110	72-132		0.127	30	
Acetone	52		"	50.0		104	36-155		0.870	30	
Acrolein	52		"	50.0		103	10-238		0.719	30	
Acrylonitrile	59		"	50.0		119	66-141		4.32	30	
Benzene	54		"	50.0		108	77-127		4.12	30	
Bromochloromethane	52		"	50.0		105	74-129		4.65	30	
Bromodichloromethane	62		"	50.0		124	81-124		0.664	30	
Bromoform	61		"	50.0		122	80-136		5.39	30	
Bromomethane	45		"	50.0		89.6	32-177		7.36	30	
Carbon disulfide	54		"	50.0		107	10-136		1.83	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 BH60835 - EPA 5035A

LCS Dup (BH60835-BSD1)

Prepared & Analyzed: 08/12/2016

Carbon tetrachloride	60		ug/L	50.0		119	66-143		2.27	30	
Chlorobenzene	52		"	50.0		104	86-120		2.11	30	
Chloroethane	53		"	50.0		106	51-142		2.18	30	
Chloroform	60		"	50.0		120	76-131		1.99	30	
Chloromethane	54		"	50.0		109	49-132		2.09	30	
cis-1,2-Dichloroethylene	59		"	50.0		118	74-132		2.10	30	
cis-1,3-Dichloropropylene	57		"	50.0		113	81-129		0.0176	30	
Cyclohexane	51		"	50.0		103	70-130		0.0585	30	
Dibromochloromethane	59		"	50.0		118	10-200		0.758	30	
Dibromomethane	59		"	50.0		117	83-124		0.617	30	
Dichlorodifluoromethane	49		"	50.0		97.0	28-158		4.36	30	
Ethyl Benzene	54		"	50.0		109	84-125		1.35	30	
Hexachlorobutadiene	57		"	50.0		115	83-133		2.86	30	
Isopropylbenzene	53		"	50.0		107	81-127		1.19	30	
Methyl acetate	47		"	50.0		93.5	41-143		3.88	30	
Methyl tert-butyl ether (MTBE)	58		"	50.0		116	74-131		1.62	30	
Methylcyclohexane	55		"	50.0		111	70-130		1.97	30	
Methylene chloride	50		"	50.0		101	57-141		0.458	30	
n-Butylbenzene	52		"	50.0		105	80-130		0.632	30	
n-Propylbenzene	52		"	50.0		103	74-136		3.26	30	
o-Xylene	53		"	50.0		106	83-123		2.52	30	
p- & m- Xylenes	110		"	100		106	82-128		0.868	30	
p-Isopropyltoluene	54		"	50.0		107	85-125		1.07	30	
sec-Butylbenzene	50		"	50.0		101	83-125		0.417	30	
Styrene	56		"	50.0		111	86-126		0.0901	30	
tert-Butyl alcohol (TBA)	71		"	50.0		141	70-130	High Bias	7.72	30	
tert-Butylbenzene	53		"	50.0		106	80-127		1.21	30	
Tetrachloroethylene	57		"	50.0		114	80-129		1.22	30	
Toluene	54		"	50.0		107	85-121		0.918	30	
trans-1,2-Dichloroethylene	57		"	50.0		114	72-132		2.15	30	
trans-1,3-Dichloropropylene	56		"	50.0		112	78-132		0.935	30	
Trichloroethylene	58		"	50.0		117	84-123		0.395	30	
Trichlorofluoromethane	53		"	50.0		106	62-140		0.0944	30	
Vinyl Chloride	54		"	50.0		107	52-130		1.39	30	
Surrogate: 1,2-Dichloroethane-d4	51.5		"	50.0		103	77-125				
Surrogate: Toluene-d8	48.5		"	50.0		97.0	85-120				
Surrogate: p-Bromofluorobenzene	51.9		"	50.0		104	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 BH60836 - EPA 5035A

Blank (BH60836-BLK1)

Prepared & Analyzed: 08/12/2016

1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet
1,1,1-Trichloroethane	ND	0.0050	"
1,1,2,2-Tetrachloroethane	ND	0.0050	"
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"
1,1,2-Trichloroethane	ND	0.0050	"
1,1-Dichloroethane	ND	0.0050	"
1,1-Dichloroethylene	ND	0.0050	"
1,2,3-Trichlorobenzene	0.0065	0.0050	"
1,2,3-Trichloropropane	ND	0.0050	"
1,2,4-Trichlorobenzene	0.0032	0.0050	"
1,2,4-Trimethylbenzene	ND	0.0050	"
1,2-Dibromo-3-chloropropane	ND	0.0050	"
1,2-Dibromoethane	ND	0.0050	"
1,2-Dichlorobenzene	ND	0.0050	"
1,2-Dichloroethane	ND	0.0050	"
1,2-Dichloropropane	ND	0.0050	"
1,3,5-Trimethylbenzene	ND	0.0050	"
1,3-Dichlorobenzene	ND	0.0050	"
1,4-Dichlorobenzene	ND	0.0050	"
1,4-Dioxane	ND	0.10	"
2-Butanone	ND	0.0050	"
2-Hexanone	ND	0.0050	"
4-Methyl-2-pentanone	ND	0.0050	"
Acetone	ND	0.010	"
Acrolein	ND	0.010	"
Acrylonitrile	ND	0.0050	"
Benzene	ND	0.0050	"
Bromochloromethane	ND	0.0050	"
Bromodichloromethane	ND	0.0050	"
Bromoform	ND	0.0050	"
Bromomethane	ND	0.0050	"
Carbon disulfide	ND	0.0050	"
Carbon tetrachloride	ND	0.0050	"
Chlorobenzene	ND	0.0050	"
Chloroethane	ND	0.0050	"
Chloroform	ND	0.0050	"
Chloromethane	ND	0.0050	"
cis-1,2-Dichloroethylene	ND	0.0050	"
cis-1,3-Dichloropropylene	ND	0.0050	"
Cyclohexane	ND	0.0050	"
Dibromochloromethane	ND	0.0050	"
Dibromomethane	ND	0.0050	"
Dichlorodifluoromethane	ND	0.0050	"
Ethyl Benzene	ND	0.0050	"
Hexachlorobutadiene	ND	0.0050	"
Isopropylbenzene	ND	0.0050	"
Methyl acetate	ND	0.0050	"
Methyl tert-butyl ether (MTBE)	ND	0.0050	"
Methylcyclohexane	ND	0.0050	"
Methylene chloride	ND	0.010	"
n-Butylbenzene	ND	0.0050	"



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BH60836 - EPA 5035A

Blank (BH60836-BLK1)

Prepared & Analyzed: 08/12/2016

n-Propylbenzene	ND	0.0050	mg/kg wet
o-Xylene	ND	0.0050	"
p- & m- Xylenes	ND	0.010	"
p-Isopropyltoluene	ND	0.0050	"
sec-Butylbenzene	ND	0.0050	"
Styrene	ND	0.0050	"
tert-Butyl alcohol (TBA)	ND	0.0050	"
tert-Butylbenzene	ND	0.0050	"
Tetrachloroethylene	ND	0.0050	"
Toluene	ND	0.0050	"
trans-1,2-Dichloroethylene	ND	0.0050	"
trans-1,3-Dichloropropylene	ND	0.0050	"
Trichloroethylene	ND	0.0050	"
Trichlorofluoromethane	ND	0.0050	"
Vinyl Chloride	ND	0.0050	"
Xylenes, Total	ND	0.015	"

Surrogate: 1,2-Dichloroethane-d4	48.1	ug/L	50.0	96.2	77-125
Surrogate: Toluene-d8	49.8	"	50.0	99.5	85-120
Surrogate: p-Bromofluorobenzene	49.3	"	50.0	98.6	76-130

LCS (BH60836-BS1)

Prepared & Analyzed: 08/12/2016

1,1,1,2-Tetrachloroethane	58	ug/L	50.0	116	75-129
1,1,1-Trichloroethane	54	"	50.0	108	71-137
1,1,2,2-Tetrachloroethane	55	"	50.0	110	79-129
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	50	"	50.0	99.1	58-146
1,1,2-Trichloroethane	56	"	50.0	112	83-123
1,1-Dichloroethane	52	"	50.0	104	75-130
1,1-Dichloroethylene	53	"	50.0	105	64-137
1,2,3-Trichlorobenzene	62	"	50.0	124	81-140
1,2,3-Trichloropropane	54	"	50.0	108	81-126
1,2,4-Trichlorobenzene	60	"	50.0	120	80-141
1,2,4-Trimethylbenzene	57	"	50.0	113	84-125
1,2-Dibromo-3-chloropropane	58	"	50.0	117	74-142
1,2-Dibromoethane	56	"	50.0	111	86-123
1,2-Dichlorobenzene	54	"	50.0	107	85-122
1,2-Dichloroethane	54	"	50.0	108	71-133
1,2-Dichloropropane	50	"	50.0	101	81-122
1,3,5-Trimethylbenzene	55	"	50.0	111	82-126
1,3-Dichlorobenzene	54	"	50.0	108	84-124
1,4-Dichlorobenzene	54	"	50.0	107	84-124
1,4-Dioxane	960	"	1000	95.8	10-228
2-Butanone	53	"	50.0	107	58-147
2-Hexanone	61	"	50.0	121	70-139
4-Methyl-2-pentanone	54	"	50.0	108	72-132
Acetone	48	"	50.0	97.0	36-155
Acrolein	65	"	50.0	130	10-238
Acrylonitrile	50	"	50.0	99.7	66-141
Benzene	54	"	50.0	107	77-127
Bromochloromethane	54	"	50.0	108	74-129
Bromodichloromethane	59	"	50.0	118	81-124
Bromoform	61	"	50.0	121	80-136
Bromomethane	46	"	50.0	91.4	32-177



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 BH60836 - EPA 5035A

LCS (BH60836-BS1)

Prepared & Analyzed: 08/12/2016

Carbon disulfide	52		ug/L	50.0		104	10-136				
Carbon tetrachloride	55		"	50.0		109	66-143				
Chlorobenzene	52		"	50.0		105	86-120				
Chloroethane	47		"	50.0		93.8	51-142				
Chloroform	55		"	50.0		110	76-131				
Chloromethane	46		"	50.0		91.1	49-132				
cis-1,2-Dichloroethylene	52		"	50.0		104	74-132				
cis-1,3-Dichloropropylene	57		"	50.0		115	81-129				
Cyclohexane	49		"	50.0		98.0	70-130				
Dibromochloromethane	59		"	50.0		117	10-200				
Dibromomethane	57		"	50.0		114	83-124				
Dichlorodifluoromethane	43		"	50.0		85.8	28-158				
Ethyl Benzene	56		"	50.0		112	84-125				
Hexachlorobutadiene	57		"	50.0		114	83-133				
Isopropylbenzene	52		"	50.0		104	81-127				
Methyl acetate	54		"	50.0		109	41-143				
Methyl tert-butyl ether (MTBE)	56		"	50.0		112	74-131				
Methylcyclohexane	54		"	50.0		108	70-130				
Methylene chloride	47		"	50.0		93.9	57-141				
n-Butylbenzene	53		"	50.0		106	80-130				
n-Propylbenzene	51		"	50.0		102	74-136				
o-Xylene	56		"	50.0		111	83-123				
p- & m- Xylenes	110		"	100		114	82-128				
p-Isopropyltoluene	57		"	50.0		114	85-125				
sec-Butylbenzene	49		"	50.0		98.1	83-125				
Styrene	60		"	50.0		121	86-126				
tert-Butyl alcohol (TBA)	52		"	50.0		104	70-130				
tert-Butylbenzene	52		"	50.0		104	80-127				
Tetrachloroethylene	60		"	50.0		119	80-129				
Toluene	54		"	50.0		108	85-121				
trans-1,2-Dichloroethylene	52		"	50.0		105	72-132				
trans-1,3-Dichloropropylene	57		"	50.0		113	78-132				
Trichloroethylene	55		"	50.0		110	84-123				
Trichlorofluoromethane	51		"	50.0		101	62-140				
Vinyl Chloride	46		"	50.0		92.3	52-130				
Surrogate: 1,2-Dichloroethane-d4	50.6		"	50.0		101	77-125				
Surrogate: Toluene-d8	52.2		"	50.0		104	85-120				
Surrogate: p-Bromofluorobenzene	49.1		"	50.0		98.2	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 BH60836 - EPA 5035A											
LCS Dup (BH60836-BSD1)						Prepared & Analyzed: 08/12/2016					
1,1,1,2-Tetrachloroethane	57		ug/L	50.0		114	75-129		1.82	30	
1,1,1-Trichloroethane	58		"	50.0		117	71-137		7.61	30	
1,1,2,2-Tetrachloroethane	56		"	50.0		112	79-129		1.12	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	54		"	50.0		108	58-146		8.75	30	
1,1,2-Trichloroethane	55		"	50.0		109	83-123		2.65	30	
1,1-Dichloroethane	57		"	50.0		113	75-130		8.81	30	
1,1-Dichloroethylene	55		"	50.0		110	64-137		4.20	30	
1,2,3-Trichlorobenzene	63		"	50.0		126	81-140		1.76	30	
1,2,3-Trichloropropane	57		"	50.0		114	81-126		4.75	30	
1,2,4-Trichlorobenzene	62		"	50.0		125	80-141		4.23	30	
1,2,4-Trimethylbenzene	56		"	50.0		113	84-125		0.318	30	
1,2-Dibromo-3-chloropropane	59		"	50.0		117	74-142		0.462	30	
1,2-Dibromoethane	56		"	50.0		111	86-123		0.0900	30	
1,2-Dichlorobenzene	54		"	50.0		107	85-122		0.0187	30	
1,2-Dichloroethane	57		"	50.0		114	71-133		5.91	30	
1,2-Dichloropropane	54		"	50.0		108	81-122		7.28	30	
1,3,5-Trimethylbenzene	56		"	50.0		113	82-126		1.72	30	
1,3-Dichlorobenzene	54		"	50.0		109	84-124		0.443	30	
1,4-Dichlorobenzene	54		"	50.0		107	84-124		0.130	30	
1,4-Dioxane	930		"	1000		92.6	10-228		3.40	30	
2-Butanone	56		"	50.0		112	58-147		4.99	30	
2-Hexanone	57		"	50.0		115	70-139		5.42	30	
4-Methyl-2-pentanone	52		"	50.0		105	72-132		3.08	30	
Acetone	52		"	50.0		104	36-155		6.52	30	
Acrolein	76		"	50.0		152	10-238		16.1	30	
Acrylonitrile	55		"	50.0		111	66-141		10.7	30	
Benzene	55		"	50.0		110	77-127		2.75	30	
Bromochloromethane	56		"	50.0		112	74-129		3.70	30	
Bromodichloromethane	59		"	50.0		119	81-124		0.421	30	
Bromoform	62		"	50.0		123	80-136		1.54	30	
Bromomethane	47		"	50.0		93.9	32-177		2.66	30	
Carbon disulfide	56		"	50.0		113	10-136		7.63	30	
Carbon tetrachloride	59		"	50.0		118	66-143		8.09	30	
Chlorobenzene	54		"	50.0		108	86-120		2.60	30	
Chloroethane	48		"	50.0		96.6	51-142		2.90	30	
Chloroform	58		"	50.0		115	76-131		4.73	30	
Chloromethane	49		"	50.0		98.4	49-132		7.79	30	
cis-1,2-Dichloroethylene	55		"	50.0		109	74-132		5.29	30	
cis-1,3-Dichloropropylene	57		"	50.0		113	81-129		1.16	30	
Cyclohexane	51		"	50.0		102	70-130		3.55	30	
Dibromochloromethane	59		"	50.0		119	10-200		0.967	30	
Dibromomethane	57		"	50.0		113	83-124		0.878	30	
Dichlorodifluoromethane	44		"	50.0		88.6	28-158		3.26	30	
Ethyl Benzene	56		"	50.0		112	84-125		0.393	30	
Hexachlorobutadiene	58		"	50.0		116	83-133		0.939	30	
Isopropylbenzene	51		"	50.0		102	81-127		2.02	30	
Methyl acetate	50		"	50.0		101	41-143		7.52	30	
Methyl tert-butyl ether (MTBE)	58		"	50.0		116	74-131		3.32	30	
Methylcyclohexane	54		"	50.0		108	70-130		0.111	30	
Methylene chloride	54		"	50.0		109	57-141		14.8	30	
n-Butylbenzene	56		"	50.0		112	80-130		5.55	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 BH60836 - EPA 5035A

LCS Dup (BH60836-BSD1)

Prepared & Analyzed: 08/12/2016

n-Propylbenzene	54		ug/L	50.0		108	74-136		5.54	30
o-Xylene	56		"	50.0		111	83-123		0.0540	30
p- & m- Xylenes	110		"	100		114	82-128		0.316	30
p-Isopropyltoluene	57		"	50.0		114	85-125		0.210	30
sec-Butylbenzene	52		"	50.0		104	83-125		6.10	30
Styrene	62		"	50.0		125	86-126		3.10	30
tert-Butyl alcohol (TBA)	51		"	50.0		101	70-130		2.89	30
tert-Butylbenzene	55		"	50.0		110	80-127		5.76	30
Tetrachloroethylene	60		"	50.0		120	80-129		0.885	30
Toluene	59		"	50.0		118	85-121		8.66	30
trans-1,2-Dichloroethylene	56		"	50.0		111	72-132		6.12	30
trans-1,3-Dichloropropylene	58		"	50.0		116	78-132		1.90	30
Trichloroethylene	56		"	50.0		111	84-123		1.21	30
Trichlorofluoromethane	57		"	50.0		114	62-140		11.7	30
Vinyl Chloride	49		"	50.0		98.4	52-130		6.35	30
Surrogate: 1,2-Dichloroethane-d4	52.2		"	50.0		104	77-125			
Surrogate: Toluene-d8	51.2		"	50.0		102	85-120			
Surrogate: p-Bromofluorobenzene	49.8		"	50.0		99.5	76-130			

Batch BH60853 - EPA 5030B

Blank (BH60853-BLK1)

Prepared & Analyzed: 08/13/2016

1,1,1,2-Tetrachloroethane	ND	0.50	ug/L
1,1,1-Trichloroethane	ND	0.50	"
1,1,2,2-Tetrachloroethane	ND	0.50	"
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"
1,1,2-Trichloroethane	ND	0.50	"
1,1-Dichloroethane	ND	0.50	"
1,1-Dichloroethylene	ND	0.50	"
1,2,3-Trichlorobenzene	ND	0.50	"
1,2,3-Trichloropropane	ND	0.50	"
1,2,4-Trichlorobenzene	ND	0.50	"
1,2,4-Trimethylbenzene	ND	0.50	"
1,2-Dibromo-3-chloropropane	ND	2.0	"
1,2-Dibromoethane	ND	0.50	"
1,2-Dichlorobenzene	ND	0.50	"
1,2-Dichloroethane	ND	0.50	"
1,2-Dichloropropane	ND	0.50	"
1,3,5-Trimethylbenzene	ND	0.50	"
1,3-Dichlorobenzene	ND	0.50	"
1,4-Dichlorobenzene	ND	0.50	"
1,4-Dioxane	ND	40	"
2-Butanone	ND	0.50	"
2-Hexanone	ND	0.50	"
4-Methyl-2-pentanone	ND	0.50	"
Acetone	ND	2.0	"
Acrolein	ND	0.50	"
Acrylonitrile	ND	0.50	"
Benzene	ND	0.50	"
Bromochloromethane	ND	0.50	"
Bromodichloromethane	ND	0.50	"
Bromoform	ND	0.50	"



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 BH60853 - EPA 5030B

Blank (BH60853-BLK1)

Prepared & Analyzed: 08/13/2016

Bromomethane	ND	0.50	ug/L
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	"
Dichlorodifluoromethane	ND	0.50	"
Ethyl Benzene	ND	0.50	"
Hexachlorobutadiene	ND	0.50	"
Isopropylbenzene	ND	0.50	"
Methyl acetate	ND	0.50	"
Methyl tert-butyl ether (MTBE)	ND	0.50	"
Methylcyclohexane	ND	0.50	"
Methylene chloride	ND	2.0	"
n-Butylbenzene	ND	0.50	"
n-Propylbenzene	ND	0.50	"
o-Xylene	ND	0.50	"
p- & m- Xylenes	ND	1.0	"
p-Isopropyltoluene	ND	0.50	"
sec-Butylbenzene	ND	0.50	"
Styrene	ND	0.50	"
tert-Butyl alcohol (TBA)	ND	1.0	"
tert-Butylbenzene	ND	0.50	"
Tetrachloroethylene	ND	0.50	"
Toluene	ND	0.50	"
trans-1,2-Dichloroethylene	ND	0.50	"
trans-1,3-Dichloropropylene	ND	0.50	"
Trichloroethylene	ND	0.50	"
Trichlorofluoromethane	ND	0.50	"
Vinyl Chloride	ND	0.50	"
Xylenes, Total	ND	1.5	"

Surrogate: 1,2-Dichloroethane-d4	9.70	"	10.0	97.0	69-130
Surrogate: Toluene-d8	9.79	"	10.0	97.9	81-117
Surrogate: p-Bromofluorobenzene	9.80	"	10.0	98.0	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 BH60853 - EPA 5030B											
LCS (BH60853-BS1)						Prepared & Analyzed: 08/13/2016					
1,1,1,2-Tetrachloroethane	11		ug/L	10.0		106	82-126				
1,1,1-Trichloroethane	11		"	10.0		111	78-136				
1,1,2,2-Tetrachloroethane	11		"	10.0		107	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11		"	10.0		108	54-165				
1,1,2-Trichloroethane	11		"	10.0		108	82-123				
1,1-Dichloroethane	11		"	10.0		111	82-129				
1,1-Dichloroethylene	11		"	10.0		108	68-138				
1,2,3-Trichlorobenzene	11		"	10.0		107	76-136				
1,2,3-Trichloropropane	11		"	10.0		108	77-128				
1,2,4-Trichlorobenzene	11		"	10.0		110	76-137				
1,2,4-Trimethylbenzene	11		"	10.0		111	82-132				
1,2-Dibromo-3-chloropropane	8.8		"	10.0		88.5	45-147				
1,2-Dibromoethane	11		"	10.0		108	83-124				
1,2-Dichlorobenzene	10		"	10.0		103	79-123				
1,2-Dichloroethane	11		"	10.0		106	73-132				
1,2-Dichloropropane	11		"	10.0		106	78-126				
1,3,5-Trimethylbenzene	11		"	10.0		108	80-131				
1,3-Dichlorobenzene	10		"	10.0		104	86-122				
1,4-Dichlorobenzene	10		"	10.0		103	85-124				
1,4-Dioxane	150		"	200		74.4	10-349				
2-Butanone	12		"	10.0		120	49-152				
2-Hexanone	11		"	10.0		112	51-146				
4-Methyl-2-pentanone	11		"	10.0		108	57-145				
Acetone	10		"	10.0		104	14-150				
Acrolein	10		"	10.0		104	10-153				
Acrylonitrile	7.4		"	10.0		73.9	51-150				
Benzene	11		"	10.0		108	85-126				
Bromochloromethane	11		"	10.0		114	77-128				
Bromodichloromethane	11		"	10.0		107	79-128				
Bromoform	11		"	10.0		112	78-133				
Bromomethane	11		"	10.0		108	43-168				
Carbon disulfide	11		"	10.0		109	68-146				
Carbon tetrachloride	11		"	10.0		112	77-141				
Chlorobenzene	10		"	10.0		102	88-120				
Chloroethane	9.6		"	10.0		96.1	65-136				
Chloroform	11		"	10.0		109	82-128				
Chloromethane	11		"	10.0		106	43-155				
cis-1,2-Dichloroethylene	11		"	10.0		111	83-129				
cis-1,3-Dichloropropylene	11		"	10.0		113	80-131				
Cyclohexane	11		"	10.0		110	63-149				
Dibromochloromethane	11		"	10.0		108	80-130				
Dibromomethane	11		"	10.0		109	72-134				
Dichlorodifluoromethane	9.2		"	10.0		91.8	44-144				
Ethyl Benzene	11		"	10.0		110	80-131				
Hexachlorobutadiene	11		"	10.0		110	67-146				
Isopropylbenzene	11		"	10.0		106	76-140				
Methyl acetate	10		"	10.0		104	51-139				
Methyl tert-butyl ether (MTBE)	11		"	10.0		108	76-135				
Methylcyclohexane	11		"	10.0		110	72-143				
Methylene chloride	10		"	10.0		103	55-137				
n-Butylbenzene	11		"	10.0		112	79-132				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH60853 - EPA 5030B											
LCS (BH60853-BS1)						Prepared & Analyzed: 08/13/2016					
n-Propylbenzene	11		ug/L	10.0		107	78-133				
o-Xylene	10		"	10.0		104	78-130				
p- & m- Xylenes	22		"	20.0		109	77-133				
p-Isopropyltoluene	11		"	10.0		113	81-136				
sec-Butylbenzene	10		"	10.0		104	79-137				
Styrene	12		"	10.0		116	67-132				
tert-Butyl alcohol (TBA)	9.8		"	10.0		98.1	25-162				
tert-Butylbenzene	10		"	10.0		105	77-138				
Tetrachloroethylene	10		"	10.0		101	82-131				
Toluene	11		"	10.0		107	80-127				
trans-1,2-Dichloroethylene	11		"	10.0		108	80-132				
trans-1,3-Dichloropropylene	11		"	10.0		111	78-131				
Trichloroethylene	10		"	10.0		104	82-128				
Trichlorofluoromethane	10		"	10.0		104	67-139				
Vinyl Chloride	10		"	10.0		102	58-145				
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>9.90</i>		<i>"</i>	<i>10.0</i>		<i>99.0</i>	<i>69-130</i>				
<i>Surrogate: Toluene-d8</i>	<i>9.85</i>		<i>"</i>	<i>10.0</i>		<i>98.5</i>	<i>81-117</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>10.0</i>		<i>"</i>	<i>10.0</i>		<i>100</i>	<i>79-122</i>				
LCS Dup (BH60853-BSD1)						Prepared & Analyzed: 08/13/2016					
1,1,1,2-Tetrachloroethane	10		ug/L	10.0		104	82-126		1.90	30	
1,1,1-Trichloroethane	11		"	10.0		105	78-136		5.55	30	
1,1,2,2-Tetrachloroethane	11		"	10.0		110	76-129		1.94	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11		"	10.0		106	54-165		2.62	30	
1,1,2-Trichloroethane	10		"	10.0		103	82-123		4.36	30	
1,1-Dichloroethane	11		"	10.0		109	82-129		1.73	30	
1,1-Dichloroethylene	10		"	10.0		104	68-138		4.53	30	
1,2,3-Trichlorobenzene	11		"	10.0		110	76-136		2.39	30	
1,2,3-Trichloropropane	11		"	10.0		108	77-128		0.279	30	
1,2,4-Trichlorobenzene	11		"	10.0		113	76-137		3.05	30	
1,2,4-Trimethylbenzene	11		"	10.0		113	82-132		2.23	30	
1,2-Dibromo-3-chloropropane	11		"	10.0		106	45-147		18.0	30	
1,2-Dibromoethane	11		"	10.0		106	83-124		1.87	30	
1,2-Dichlorobenzene	10		"	10.0		103	79-123		0.679	30	
1,2-Dichloroethane	10		"	10.0		104	73-132		1.71	30	
1,2-Dichloropropane	10		"	10.0		104	78-126		1.33	30	
1,3,5-Trimethylbenzene	11		"	10.0		111	80-131		2.64	30	
1,3-Dichlorobenzene	11		"	10.0		106	86-122		1.33	30	
1,4-Dichlorobenzene	10		"	10.0		102	85-124		0.195	30	
1,4-Dioxane	180		"	200		90.8	10-349		19.9	30	
2-Butanone	12		"	10.0		116	49-152		3.39	30	
2-Hexanone	11		"	10.0		107	51-146		4.40	30	
4-Methyl-2-pentanone	10		"	10.0		103	57-145		4.76	30	
Acetone	9.4		"	10.0		93.7	14-150		10.3	30	
Acrolein	9.3		"	10.0		92.9	10-153		11.1	30	
Acrylonitrile	7.3		"	10.0		73.3	51-150		0.815	30	
Benzene	11		"	10.0		107	85-126		0.838	30	
Bromochloromethane	11		"	10.0		111	77-128		2.76	30	
Bromodichloromethane	11		"	10.0		106	79-128		1.04	30	
Bromoform	11		"	10.0		107	78-133		4.92	30	
Bromomethane	10		"	10.0		104	43-168		3.31	30	
Carbon disulfide	11		"	10.0		106	68-146		2.99	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 BH60853 - EPA 5030B

LCS Dup (BH60853-BSD1)

Prepared & Analyzed: 08/13/2016

Carbon tetrachloride	11		ug/L	10.0		108	77-141		4.37	30	
Chlorobenzene	10		"	10.0		100	88-120		1.38	30	
Chloroethane	10		"	10.0		104	65-136		7.99	30	
Chloroform	11		"	10.0		107	82-128		1.67	30	
Chloromethane	10		"	10.0		103	43-155		2.59	30	
cis-1,2-Dichloroethylene	11		"	10.0		108	83-129		2.65	30	
cis-1,3-Dichloropropylene	11		"	10.0		108	80-131		4.17	30	
Cyclohexane	11		"	10.0		106	63-149		3.52	30	
Dibromochloromethane	10		"	10.0		104	80-130		3.48	30	
Dibromomethane	10		"	10.0		104	72-134		4.51	30	
Dichlorodifluoromethane	8.4		"	10.0		84.3	44-144		8.52	30	
Ethyl Benzene	11		"	10.0		106	80-131		3.52	30	
Hexachlorobutadiene	11		"	10.0		113	67-146		2.78	30	
Isopropylbenzene	11		"	10.0		106	76-140		0.0942	30	
Methyl acetate	9.9		"	10.0		99.0	51-139		5.41	30	
Methyl tert-butyl ether (MTBE)	11		"	10.0		107	76-135		1.21	30	
Methylcyclohexane	10		"	10.0		104	72-143		5.98	30	
Methylene chloride	10		"	10.0		103	55-137		0.0973	30	
n-Butylbenzene	11		"	10.0		113	79-132		0.800	30	
n-Propylbenzene	11		"	10.0		108	78-133		0.652	30	
o-Xylene	10		"	10.0		102	78-130		2.52	30	
p- & m- Xylenes	21		"	20.0		106	77-133		3.35	30	
p-Isopropyltoluene	11		"	10.0		114	81-136		0.878	30	
sec-Butylbenzene	10		"	10.0		104	79-137		0.192	30	
Styrene	11		"	10.0		113	67-132		2.37	30	
tert-Butyl alcohol (TBA)	9.6		"	10.0		96.4	25-162		1.75	30	
tert-Butylbenzene	11		"	10.0		106	77-138		1.14	30	
Tetrachloroethylene	9.2		"	10.0		92.0	82-131		9.13	30	
Toluene	10		"	10.0		103	80-127		3.80	30	
trans-1,2-Dichloroethylene	11		"	10.0		106	80-132		2.34	30	
trans-1,3-Dichloropropylene	11		"	10.0		106	78-131		5.17	30	
Trichloroethylene	9.9		"	10.0		98.7	82-128		5.23	30	
Trichlorofluoromethane	10		"	10.0		100	67-139		4.10	30	
Vinyl Chloride	10		"	10.0		101	58-145		1.48	30	
Surrogate: 1,2-Dichloroethane-d4	9.43		"	10.0		94.3	69-130				
Surrogate: Toluene-d8	9.70		"	10.0		97.0	81-117				
Surrogate: 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 BH60946 - EPA 5035A

Blank (BH60946-BLK1)

Prepared & Analyzed: 08/16/2016

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



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BH60946 - EPA 5035A

Blank (BH60946-BLK1)

Prepared & Analyzed: 08/16/2016

n-Propylbenzene	ND	0.0050	mg/kg wet
o-Xylene	ND	0.0050	"
p- & m- Xylenes	ND	0.010	"
p-Isopropyltoluene	ND	0.0050	"
sec-Butylbenzene	ND	0.0050	"
Styrene	ND	0.0050	"
tert-Butyl alcohol (TBA)	ND	0.0050	"
tert-Butylbenzene	ND	0.0050	"
Tetrachloroethylene	ND	0.0050	"
Toluene	ND	0.0050	"
trans-1,2-Dichloroethylene	ND	0.0050	"
trans-1,3-Dichloropropylene	ND	0.0050	"
Trichloroethylene	ND	0.0050	"
Trichlorofluoromethane	ND	0.0050	"
Vinyl Chloride	ND	0.0050	"
Xylenes, Total	ND	0.015	"

Surrogate: 1,2-Dichloroethane-d4	42.3	ug/L	50.0	84.7	77-125
Surrogate: Toluene-d8	49.1	"	50.0	98.2	85-120
Surrogate: p-Bromofluorobenzene	47.5	"	50.0	94.9	76-130

Blank (BH60946-BLK2)

Prepared & Analyzed: 08/16/2016

1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet
1,1,1-Trichloroethane	ND	0.0050	"
1,1,2,2-Tetrachloroethane	ND	0.0050	"
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"
1,1,2-Trichloroethane	ND	0.0050	"
1,1-Dichloroethane	ND	0.0050	"
1,1-Dichloroethylene	ND	0.0050	"
1,2,3-Trichlorobenzene	ND	0.0050	"
1,2,3-Trichloropropane	ND	0.0050	"
1,2,4-Trichlorobenzene	ND	0.0050	"
1,2,4-Trimethylbenzene	ND	0.0050	"
1,2-Dibromo-3-chloropropane	ND	0.0050	"
1,2-Dibromoethane	ND	0.0050	"
1,2-Dichlorobenzene	ND	0.0050	"
1,2-Dichloroethane	ND	0.0050	"
1,2-Dichloropropane	ND	0.0050	"
1,3,5-Trimethylbenzene	ND	0.0050	"
1,3-Dichlorobenzene	ND	0.0050	"
1,4-Dichlorobenzene	ND	0.0050	"
1,4-Dioxane	ND	0.10	"
2-Butanone	ND	0.0050	"
2-Hexanone	ND	0.0050	"
4-Methyl-2-pentanone	ND	0.0050	"
Acetone	ND	0.010	"
Acrolein	ND	0.010	"
Acrylonitrile	ND	0.0050	"
Benzene	ND	0.0050	"
Bromochloromethane	ND	0.0050	"
Bromodichloromethane	ND	0.0050	"
Bromoform	ND	0.0050	"
Bromomethane	ND	0.0050	"



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 BH60946 - EPA 5035A

Blank (BH60946-BLK2)

Prepared & Analyzed: 08/16/2016

Carbon disulfide	ND	0.0050	mg/kg wet								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	0.0072	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: 1,2-Dichloroethane-d4	42.0		ug/L	50.0		84.0	77-125				
Surrogate: Toluene-d8	50.6		"	50.0		101	85-120				
Surrogate: p-Bromofluorobenzene	47.4		"	50.0		94.7	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 BH60946 - EPA 5035A											
LCS (BH60946-BS1)						Prepared & Analyzed: 08/16/2016					
1,1,1,2-Tetrachloroethane	56		ug/L	50.0		112	75-129				
1,1,1-Trichloroethane	61		"	50.0		122	71-137				
1,1,2,2-Tetrachloroethane	55		"	50.0		111	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	61		"	50.0		123	58-146				
1,1,2-Trichloroethane	51		"	50.0		102	83-123				
1,1-Dichloroethane	62		"	50.0		125	75-130				
1,1-Dichloroethylene	56		"	50.0		112	64-137				
1,2,3-Trichlorobenzene	52		"	50.0		104	81-140				
1,2,3-Trichloropropane	57		"	50.0		113	81-126				
1,2,4-Trichlorobenzene	52		"	50.0		104	80-141				
1,2,4-Trimethylbenzene	59		"	50.0		118	84-125				
1,2-Dibromo-3-chloropropane	53		"	50.0		106	74-142				
1,2-Dibromoethane	54		"	50.0		109	86-123				
1,2-Dichlorobenzene	54		"	50.0		108	85-122				
1,2-Dichloroethane	55		"	50.0		110	71-133				
1,2-Dichloropropane	54		"	50.0		108	81-122				
1,3,5-Trimethylbenzene	60		"	50.0		119	82-126				
1,3-Dichlorobenzene	54		"	50.0		108	84-124				
1,4-Dichlorobenzene	54		"	50.0		107	84-124				
1,4-Dioxane	1500		"	1000		148	10-228				
2-Butanone	52		"	50.0		103	58-147				
2-Hexanone	49		"	50.0		97.5	70-139				
4-Methyl-2-pentanone	51		"	50.0		102	72-132				
Acetone	55		"	50.0		110	36-155				
Acrolein	52		"	50.0		103	10-238				
Acrylonitrile	63		"	50.0		127	66-141				
Benzene	62		"	50.0		123	77-127				
Bromochloromethane	60		"	50.0		120	74-129				
Bromodichloromethane	54		"	50.0		107	81-124				
Bromoform	55		"	50.0		110	80-136				
Bromomethane	53		"	50.0		106	32-177				
Carbon disulfide	60		"	50.0		121	10-136				
Carbon tetrachloride	61		"	50.0		123	66-143				
Chlorobenzene	56		"	50.0		112	86-120				
Chloroethane	57		"	50.0		114	51-142				
Chloroform	60		"	50.0		120	76-131				
Chloromethane	61		"	50.0		122	49-132				
cis-1,2-Dichloroethylene	64		"	50.0		129	74-132				
cis-1,3-Dichloropropylene	54		"	50.0		107	81-129				
Cyclohexane	63		"	50.0		125	70-130				
Dibromochloromethane	54		"	50.0		108	10-200				
Dibromomethane	54		"	50.0		109	83-124				
Dichlorodifluoromethane	53		"	50.0		107	28-158				
Ethyl Benzene	56		"	50.0		112	84-125				
Hexachlorobutadiene	49		"	50.0		98.6	83-133				
Isopropylbenzene	55		"	50.0		110	81-127				
Methyl acetate	45		"	50.0		90.1	41-143				
Methyl tert-butyl ether (MTBE)	58		"	50.0		117	74-131				
Methylcyclohexane	53		"	50.0		106	70-130				
Methylene chloride	58		"	50.0		116	57-141				
n-Butylbenzene	56		"	50.0		113	80-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH60946 - EPA 5035A											
LCS (BH60946-BS1)						Prepared & Analyzed: 08/16/2016					
n-Propylbenzene	53		ug/L	50.0		107	74-136				
o-Xylene	53		"	50.0		107	83-123				
p- & m- Xylenes	110		"	100		111	82-128				
p-Isopropyltoluene	60		"	50.0		120	85-125				
sec-Butylbenzene	55		"	50.0		110	83-125				
Styrene	65		"	50.0		130	86-126	High Bias			
tert-Butyl alcohol (TBA)	60		"	50.0		121	70-130				
tert-Butylbenzene	55		"	50.0		110	80-127				
Tetrachloroethylene	53		"	50.0		107	80-129				
Toluene	58		"	50.0		115	85-121				
trans-1,2-Dichloroethylene	63		"	50.0		126	72-132				
trans-1,3-Dichloropropylene	52		"	50.0		104	78-132				
Trichloroethylene	53		"	50.0		106	84-123				
Trichlorofluoromethane	56		"	50.0		113	62-140				
Vinyl Chloride	59		"	50.0		118	52-130				
Surrogate: 1,2-Dichloroethane-d4	44.5		"	50.0		89.0	77-125				
Surrogate: Toluene-d8	47.6		"	50.0		95.3	85-120				
Surrogate: p-Bromofluorobenzene	48.5		"	50.0		97.0	76-130				
LCS Dup (BH60946-BSD1)						Prepared & Analyzed: 08/16/2016					
1,1,1,2-Tetrachloroethane	57		ug/L	50.0		113	75-129		0.603	30	
1,1,1-Trichloroethane	61		"	50.0		122	71-137		0.525	30	
1,1,2,2-Tetrachloroethane	54		"	50.0		108	79-129		2.46	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	63		"	50.0		125	58-146		1.79	30	
1,1,2-Trichloroethane	53		"	50.0		106	83-123		3.42	30	
1,1-Dichloroethane	63		"	50.0		125	75-130		0.400	30	
1,1-Dichloroethylene	57		"	50.0		114	64-137		1.62	30	
1,2,3-Trichlorobenzene	53		"	50.0		106	81-140		1.60	30	
1,2,3-Trichloropropane	57		"	50.0		115	81-126		1.04	30	
1,2,4-Trichlorobenzene	52		"	50.0		105	80-141		0.268	30	
1,2,4-Trimethylbenzene	58		"	50.0		116	84-125		2.10	30	
1,2-Dibromo-3-chloropropane	50		"	50.0		101	74-142		5.03	30	
1,2-Dibromoethane	55		"	50.0		110	86-123		1.61	30	
1,2-Dichlorobenzene	53		"	50.0		106	85-122		1.72	30	
1,2-Dichloroethane	56		"	50.0		113	71-133		2.80	30	
1,2-Dichloropropane	53		"	50.0		106	81-122		2.13	30	
1,3,5-Trimethylbenzene	57		"	50.0		115	82-126		3.90	30	
1,3-Dichlorobenzene	53		"	50.0		106	84-124		1.08	30	
1,4-Dichlorobenzene	54		"	50.0		107	84-124		0.187	30	
1,4-Dioxane	1400		"	1000		142	10-228		4.34	30	
2-Butanone	54		"	50.0		108	58-147		5.14	30	
2-Hexanone	49		"	50.0		97.3	70-139		0.205	30	
4-Methyl-2-pentanone	52		"	50.0		103	72-132		0.975	30	
Acetone	52		"	50.0		104	36-155		5.78	30	
Acrolein	56		"	50.0		113	10-238		8.83	30	
Acrylonitrile	67		"	50.0		133	66-141		4.99	30	
Benzene	63		"	50.0		126	77-127		2.39	30	
Bromochloromethane	62		"	50.0		124	74-129		3.39	30	
Bromodichloromethane	53		"	50.0		105	81-124		2.03	30	
Bromoform	55		"	50.0		111	80-136		0.815	30	
Bromomethane	52		"	50.0		105	32-177		1.63	30	
Carbon disulfide	61		"	50.0		122	10-136		0.970	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 BH60946 - EPA 5035A

LCS Dup (BH60946-BSD1)

Prepared & Analyzed: 08/16/2016

Carbon tetrachloride	62		ug/L	50.0		124	66-143		1.17	30	
Chlorobenzene	56		"	50.0		111	86-120		0.467	30	
Chloroethane	57		"	50.0		114	51-142		0.246	30	
Chloroform	61		"	50.0		121	76-131		1.19	30	
Chloromethane	61		"	50.0		122	49-132		0.672	30	
cis-1,2-Dichloroethylene	65		"	50.0		131	74-132		1.71	30	
cis-1,3-Dichloropropylene	53		"	50.0		107	81-129		0.449	30	
Cyclohexane	62		"	50.0		124	70-130		0.818	30	
Dibromochloromethane	53		"	50.0		106	10-200		1.14	30	
Dibromomethane	54		"	50.0		108	83-124		0.851	30	
Dichlorodifluoromethane	51		"	50.0		102	28-158		4.75	30	
Ethyl Benzene	56		"	50.0		111	84-125		0.269	30	
Hexachlorobutadiene	49		"	50.0		97.9	83-133		0.692	30	
Isopropylbenzene	54		"	50.0		107	81-127		2.12	30	
Methyl acetate	46		"	50.0		91.7	41-143		1.78	30	
Methyl tert-butyl ether (MTBE)	58		"	50.0		115	74-131		1.36	30	
Methylcyclohexane	52		"	50.0		105	70-130		1.20	30	
Methylene chloride	58		"	50.0		115	57-141		0.346	30	
n-Butylbenzene	55		"	50.0		111	80-130		1.50	30	
n-Propylbenzene	52		"	50.0		103	74-136		3.20	30	
o-Xylene	52		"	50.0		105	83-123		2.06	30	
p- & m- Xylenes	110		"	100		111	82-128		0.243	30	
p-Isopropyltoluene	58		"	50.0		116	85-125		3.60	30	
sec-Butylbenzene	54		"	50.0		108	83-125		1.96	30	
Styrene	64		"	50.0		128	86-126	High Bias	1.26	30	
tert-Butyl alcohol (TBA)	65		"	50.0		129	70-130		6.93	30	
tert-Butylbenzene	55		"	50.0		109	80-127		0.928	30	
Tetrachloroethylene	53		"	50.0		106	80-129		1.19	30	
Toluene	58		"	50.0		115	85-121		0.382	30	
trans-1,2-Dichloroethylene	61		"	50.0		123	72-132		2.49	30	
trans-1,3-Dichloropropylene	52		"	50.0		104	78-132		0.173	30	
Trichloroethylene	52		"	50.0		104	84-123		2.38	30	
Trichlorofluoromethane	55		"	50.0		111	62-140		1.84	30	
Vinyl Chloride	58		"	50.0		115	52-130		2.23	30	
Surrogate: 1,2-Dichloroethane-d4	44.8		"	50.0		89.7	77-125				
Surrogate: Toluene-d8	47.8		"	50.0		95.5	85-120				
Surrogate: p-Bromofluorobenzene	47.2		"	50.0		94.5	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 BH60807 - EPA 3550C

Blank (BH60807-BLK1)

Prepared: 08/12/2016 Analyzed: 08/13/2016

1,1'-Biphenyl	ND	0.0417	mg/kg wet
1,2,4,5-Tetrachlorobenzene	ND	0.0833	"
1,2,4-Trichlorobenzene	ND	0.0417	"
1,2-Dichlorobenzene	ND	0.0417	"
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.0417	"
1,3-Dichlorobenzene	ND	0.0417	"
1,4-Dichlorobenzene	ND	0.0417	"
2,3,4,6-Tetrachlorophenol	ND	0.0833	"
2,4,5-Trichlorophenol	ND	0.0417	"
2,4,6-Trichlorophenol	ND	0.0417	"
2,4-Dichlorophenol	ND	0.0417	"
2,4-Dimethylphenol	ND	0.0417	"
2,4-Dinitrophenol	ND	0.0833	"
2,4-Dinitrotoluene	ND	0.0417	"
2,6-Dinitrotoluene	ND	0.0417	"
2-Chloronaphthalene	ND	0.0417	"
2-Chlorophenol	ND	0.0417	"
2-Methylnaphthalene	ND	0.0417	"
2-Methylphenol	ND	0.0417	"
2-Nitroaniline	ND	0.0833	"
2-Nitrophenol	ND	0.0417	"
3- & 4-Methylphenols	ND	0.0417	"
3,3'-Dichlorobenzidine	ND	0.0417	"
3-Nitroaniline	ND	0.0833	"
4,6-Dinitro-2-methylphenol	ND	0.0833	"
4-Bromophenyl phenyl ether	ND	0.0417	"
4-Chloro-3-methylphenol	ND	0.0417	"
4-Chloroaniline	ND	0.0417	"
4-Chlorophenyl phenyl ether	ND	0.0417	"
4-Nitroaniline	ND	0.0833	"
4-Nitrophenol	ND	0.0833	"
Acenaphthene	ND	0.0417	"
Acenaphthylene	ND	0.0417	"
Acetophenone	ND	0.0417	"
Aniline	ND	0.167	"
Anthracene	ND	0.0417	"
Atrazine	ND	0.0417	"
Benzaldehyde	ND	0.0417	"
Benzidine	ND	0.167	"
Benzo(a)anthracene	ND	0.0417	"
Benzo(a)pyrene	ND	0.0417	"
Benzo(b)fluoranthene	ND	0.0417	"
Benzo(g,h,i)perylene	ND	0.0417	"
Benzo(k)fluoranthene	ND	0.0417	"
Benzoic acid	ND	0.0417	"
Benzyl alcohol	ND	0.0417	"
Benzyl butyl phthalate	ND	0.0417	"
Bis(2-chloroethoxy)methane	ND	0.0417	"
Bis(2-chloroethyl)ether	ND	0.0417	"
Bis(2-chloroisopropyl)ether	ND	0.0417	"
Bis(2-ethylhexyl)phthalate	ND	0.0417	"



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 BH60807 - EPA 3550C

Blank (BH60807-BLK1)

Prepared: 08/12/2016 Analyzed: 08/13/2016

Caprolactam	ND	0.0833	mg/kg wet								
Carbazole	ND	0.0417	"								
Chrysene	ND	0.0417	"								
Dibenzo(a,h)anthracene	ND	0.0417	"								
Dibenzofuran	ND	0.0417	"								
Diethyl phthalate	ND	0.0417	"								
Dimethyl phthalate	ND	0.0417	"								
Di-n-butyl phthalate	ND	0.0417	"								
Di-n-octyl phthalate	ND	0.0417	"								
Fluoranthene	ND	0.0417	"								
Fluorene	ND	0.0417	"								
Hexachlorobenzene	ND	0.0417	"								
Hexachlorobutadiene	ND	0.0417	"								
Hexachlorocyclopentadiene	ND	0.0417	"								
Hexachloroethane	ND	0.0417	"								
Indeno(1,2,3-cd)pyrene	ND	0.0417	"								
Isophorone	ND	0.0417	"								
Naphthalene	ND	0.0417	"								
Nitrobenzene	ND	0.0417	"								
N-Nitrosodimethylamine	ND	0.0417	"								
N-nitroso-di-n-propylamine	ND	0.0417	"								
N-Nitrosodiphenylamine	ND	0.0417	"								
Pentachlorophenol	ND	0.0417	"								
Phenanthrene	ND	0.0417	"								
Phenol	ND	0.0417	"								
Pyrene	ND	0.0417	"								
Surrogate: 2-Fluorophenol	2.17		"	2.51		86.6	20-108				
Surrogate: Phenol-d5	2.30		"	2.51		91.7	23-114				
Surrogate: Nitrobenzene-d5	1.33		"	1.67		79.5	22-108				
Surrogate: 2-Fluorobiphenyl	1.37		"	1.67		82.1	21-113				
Surrogate: 2,4,6-Tribromophenol	2.68		"	2.50		107	19-110				
Surrogate: Terphenyl-d14	1.21		"	1.67		72.3	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 BH60807 - EPA 3550C											
LCS (BH60807-BS1)						Prepared: 08/12/2016 Analyzed: 08/13/2016					
1,1'-Biphenyl	1.41	0.0417	mg/kg wet	1.67		84.6	22-103				
1,2,4,5-Tetrachlorobenzene	1.37	0.0833	"	1.67		82.1	10-144				
1,2,4-Trichlorobenzene	1.22	0.0417	"	1.67		73.5	23-130				
1,2-Dichlorobenzene	1.19	0.0417	"	1.67		71.2	26-113				
1,2-Diphenylhydrazine (as Azobenzene)	1.00	0.0417	"	1.67		60.0	10-140				
1,3-Dichlorobenzene	1.16	0.0417	"	1.67		69.5	32-113				
1,4-Dichlorobenzene	1.18	0.0417	"	1.67		70.5	28-111				
2,3,4,6-Tetrachlorophenol	2.61	0.0833	"	1.67		156	30-130	High Bias			
2,4,5-Trichlorophenol	1.33	0.0417	"	1.67		79.9	14-138				
2,4,6-Trichlorophenol	1.29	0.0417	"	1.67		77.4	27-122				
2,4-Dichlorophenol	ND	0.0417	"	1.67			23-133	Low Bias			
2,4-Dimethylphenol	1.18	0.0417	"	1.67		70.6	15-131				
2,4-Dinitrophenol	1.34	0.0833	"	1.67		80.1	10-149				
2,4-Dinitrotoluene	1.34	0.0417	"	1.67		80.1	30-123				
2,6-Dinitrotoluene	1.42	0.0417	"	1.67		85.2	30-125				
2-Chloronaphthalene	1.36	0.0417	"	1.67		81.3	22-115				
2-Chlorophenol	1.20	0.0417	"	1.67		72.2	25-121				
2-Methylnaphthalene	1.22	0.0417	"	1.67		73.4	16-127				
2-Methylphenol	1.11	0.0417	"	1.67		66.8	10-146				
2-Nitroaniline	1.45	0.0833	"	1.67		87.1	24-126				
2-Nitrophenol	1.11	0.0417	"	1.67		66.8	17-129				
3- & 4-Methylphenols	1.05	0.0417	"	1.67		62.8	20-109				
3,3'-Dichlorobenzidine	1.57	0.0417	"	1.67		94.3	10-147				
3-Nitroaniline	1.25	0.0833	"	1.67		75.3	23-123				
4,6-Dinitro-2-methylphenol	1.53	0.0833	"	1.67		91.9	10-149				
4-Bromophenyl phenyl ether	1.10	0.0417	"	1.67		65.9	30-138				
4-Chloro-3-methylphenol	1.17	0.0417	"	1.67		70.3	16-138				
4-Chloroaniline	1.08	0.0417	"	1.67		64.8	10-117				
4-Chlorophenyl phenyl ether	1.39	0.0417	"	1.67		83.7	18-132				
4-Nitroaniline	1.15	0.0833	"	1.67		69.0	14-125				
4-Nitrophenol	1.06	0.0833	"	1.67		63.9	10-136				
Acenaphthene	1.43	0.0417	"	1.67		85.6	17-124				
Acenaphthylene	1.31	0.0417	"	1.67		78.4	16-124				
Acetophenone	1.31	0.0417	"	1.67		78.8	28-105				
Aniline	0.965	0.167	"	1.67		57.9	10-111				
Anthracene	1.16	0.0417	"	1.67		69.7	24-124				
Atrazine	1.29	0.0417	"	1.67		77.5	22-120				
Benzaldehyde	1.37	0.0417	"	1.67		81.9	21-100				
Benzo(a)anthracene	1.03	0.0417	"	1.67		62.0	25-134				
Benzo(a)pyrene	1.35	0.0417	"	1.67		81.2	29-144				
Benzo(b)fluoranthene	1.39	0.0417	"	1.67		83.2	20-151				
Benzo(g,h,i)perylene	1.57	0.0417	"	1.67		94.4	10-153				
Benzo(k)fluoranthene	1.72	0.0417	"	1.67		103	10-148				
Benzoic acid	1.02	0.0417	"	1.67		61.0	10-116				
Benzyl alcohol	1.26	0.0417	"	1.67		75.7	17-128				
Benzyl butyl phthalate	1.06	0.0417	"	1.67		63.5	10-132				
Bis(2-chloroethoxy)methane	1.28	0.0417	"	1.67		76.8	10-129				
Bis(2-chloroethyl)ether	1.33	0.0417	"	1.67		79.7	14-125				
Bis(2-chloroisopropyl)ether	1.23	0.0417	"	1.67		73.9	14-122				
Bis(2-ethylhexyl)phthalate	1.12	0.0417	"	1.67		67.2	10-141				
Caprolactam	1.48	0.0833	"	1.67		88.5	10-123				



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 BH60807 - EPA 3550C

LCS (BH60807-BS1)

Prepared: 08/12/2016 Analyzed: 08/13/2016

Carbazole	1.52	0.0417	mg/kg wet	1.67		91.3	31-120				
Chrysene	1.47	0.0417	"	1.67		88.1	24-116				
Dibenzo(a,h)anthracene	1.45	0.0417	"	1.67		87.0	17-147				
Dibenzofuran	1.30	0.0417	"	1.67		77.8	23-123				
Diethyl phthalate	1.32	0.0417	"	1.67		79.5	23-122				
Dimethyl phthalate	1.31	0.0417	"	1.67		78.4	28-127				
Di-n-butyl phthalate	1.16	0.0417	"	1.67		69.7	19-123				
Di-n-octyl phthalate	1.45	0.0417	"	1.67		87.0	10-132				
Fluoranthene	1.12	0.0417	"	1.67		67.2	36-125				
Fluorene	1.41	0.0417	"	1.67		84.3	16-130				
Hexachlorobenzene	1.09	0.0417	"	1.67		65.2	10-129				
Hexachlorobutadiene	1.26	0.0417	"	1.67		75.3	22-153				
Hexachlorocyclopentadiene	0.905	0.0417	"	1.67		54.3	10-134				
Hexachloroethane	1.19	0.0417	"	1.67		71.1	20-112				
Indeno(1,2,3-cd)pyrene	1.47	0.0417	"	1.67		88.2	10-155				
Isophorone	1.22	0.0417	"	1.67		73.3	14-131				
Naphthalene	1.36	0.0417	"	1.67		81.8	20-121				
Nitrobenzene	1.19	0.0417	"	1.67		71.3	20-121				
N-Nitrosodimethylamine	1.07	0.0417	"	1.67		64.4	10-124				
N-nitroso-di-n-propylamine	1.09	0.0417	"	1.67		65.7	21-119				
N-Nitrosodiphenylamine	1.77	0.0417	"	1.67		106	10-163				
Pentachlorophenol	1.05	0.0417	"	1.67		63.1	10-143				
Phenanthrene	1.21	0.0417	"	1.67		72.8	24-123				
Phenol	1.19	0.0417	"	1.67		71.5	15-123				
Pyrene	1.23	0.0417	"	1.67		74.1	24-132				
<i>Surrogate: 2-Fluorophenol</i>	<i>1.84</i>		<i>"</i>	<i>2.51</i>		<i>73.4</i>	<i>20-108</i>				
<i>Surrogate: Phenol-d5</i>	<i>1.85</i>		<i>"</i>	<i>2.51</i>		<i>73.7</i>	<i>23-114</i>				
<i>Surrogate: Nitrobenzene-d5</i>	<i>1.23</i>		<i>"</i>	<i>1.67</i>		<i>73.7</i>	<i>22-108</i>				
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>1.34</i>		<i>"</i>	<i>1.67</i>		<i>80.0</i>	<i>21-113</i>				
<i>Surrogate: 2,4,6-Tribromophenol</i>	<i>1.77</i>		<i>"</i>	<i>2.50</i>		<i>70.8</i>	<i>30-130</i>				
<i>Surrogate: Terphenyl-d14</i>	<i>0.855</i>		<i>"</i>	<i>1.67</i>		<i>51.1</i>	<i>24-116</i>				



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 BH60807 - EPA 3550C											
LCS Dup (BH60807-BSD1)						Prepared: 08/12/2016 Analyzed: 08/14/2016					
1,1'-Biphenyl	1.37	0.0417	mg/kg wet	1.67		82.1	22-103		3.00	30	
1,2,4,5-Tetrachlorobenzene	1.54	0.0833	"	1.67		92.2	10-144		11.6	30	
1,2,4-Trichlorobenzene	1.25	0.0417	"	1.67		75.0	23-130		2.07	30	
1,2-Dichlorobenzene	1.19	0.0417	"	1.67		71.6	26-113		0.644	30	
1,2-Diphenylhydrazine (as Azobenzene)	1.33	0.0417	"	1.67		79.5	10-140		28.0	30	
1,3-Dichlorobenzene	1.16	0.0417	"	1.67		69.7	32-113		0.259	30	
1,4-Dichlorobenzene	1.19	0.0417	"	1.67		71.4	28-111		1.27	30	
2,3,4,6-Tetrachlorophenol	1.15	0.0833	"	1.67		69.0	30-130		77.5	30	Non-dir.
2,4,5-Trichlorophenol	1.33	0.0417	"	1.67		79.6	14-138		0.351	30	
2,4,6-Trichlorophenol	1.30	0.0417	"	1.67		78.1	27-122		0.901	30	
2,4-Dichlorophenol	ND	0.0417	"	1.67			23-133	Low Bias		30	
2,4-Dimethylphenol	1.18	0.0417	"	1.67		70.8	15-131		0.283	30	
2,4-Dinitrophenol	1.32	0.0833	"	1.67		79.5	10-149		0.752	30	
2,4-Dinitrotoluene	1.41	0.0417	"	1.67		84.7	30-123		5.56	30	
2,6-Dinitrotoluene	1.50	0.0417	"	1.67		89.8	30-125		5.28	30	
2-Chloronaphthalene	1.36	0.0417	"	1.67		81.4	22-115		0.0983	30	
2-Chlorophenol	1.21	0.0417	"	1.67		72.5	25-121		0.442	30	
2-Methylnaphthalene	1.40	0.0417	"	1.67		83.7	16-127		13.2	30	
2-Methylphenol	1.12	0.0417	"	1.67		67.3	10-146		0.716	30	
2-Nitroaniline	1.49	0.0833	"	1.67		89.6	24-126		2.85	30	
2-Nitrophenol	1.14	0.0417	"	1.67		68.5	17-129		2.48	30	
3- & 4-Methylphenols	1.05	0.0417	"	1.67		63.3	20-109		0.762	30	
3,3'-Dichlorobenzidine	1.79	0.0417	"	1.67		108	10-147		13.3	30	
3-Nitroaniline	1.29	0.0833	"	1.67		77.4	23-123		2.86	30	
4,6-Dinitro-2-methylphenol	1.48	0.0833	"	1.67		88.5	10-149		3.77	30	
4-Bromophenyl phenyl ether	1.35	0.0417	"	1.67		81.2	30-138		20.8	30	
4-Chloro-3-methylphenol	1.28	0.0417	"	1.67		76.6	16-138		8.66	30	
4-Chloroaniline	1.22	0.0417	"	1.67		73.4	10-117		12.4	30	
4-Chlorophenyl phenyl ether	1.42	0.0417	"	1.67		84.9	18-132		1.49	30	
4-Nitroaniline	1.16	0.0833	"	1.67		69.5	14-125		0.751	30	
4-Nitrophenol	1.03	0.0833	"	1.67		61.7	10-136		3.44	30	
Acenaphthene	1.43	0.0417	"	1.67		85.9	17-124		0.350	30	
Acenaphthylene	1.37	0.0417	"	1.67		82.1	16-124		4.61	30	
Acetophenone	1.29	0.0417	"	1.67		77.4	28-105		1.74	30	
Aniline	0.957	0.167	"	1.67		57.4	10-111		0.867	30	
Anthracene	1.33	0.0417	"	1.67		80.1	24-124		13.8	30	
Atrazine	1.53	0.0417	"	1.67		91.9	22-120		17.1	30	
Benzaldehyde	1.33	0.0417	"	1.67		79.8	21-100		2.70	30	
Benzo(a)anthracene	1.16	0.0417	"	1.67		69.9	25-134		12.0	30	
Benzo(a)pyrene	1.38	0.0417	"	1.67		82.6	29-144		1.71	30	
Benzo(b)fluoranthene	1.42	0.0417	"	1.67		85.0	20-151		2.19	30	
Benzo(g,h,i)perylene	1.68	0.0417	"	1.67		101	10-153		6.88	30	
Benzo(k)fluoranthene	1.75	0.0417	"	1.67		105	10-148		1.98	30	
Benzoic acid	1.05	0.0417	"	1.67		63.0	10-116		3.22	30	
Benzyl alcohol	1.26	0.0417	"	1.67		75.5	17-128		0.291	30	
Benzyl butyl phthalate	1.25	0.0417	"	1.67		75.2	10-132		16.9	30	
Bis(2-chloroethoxy)methane	1.30	0.0417	"	1.67		78.1	10-129		1.68	30	
Bis(2-chloroethyl)ether	1.33	0.0417	"	1.67		79.7	14-125		0.0502	30	
Bis(2-chloroisopropyl)ether	1.20	0.0417	"	1.67		71.9	14-122		2.85	30	
Bis(2-ethylhexyl)phthalate	1.34	0.0417	"	1.67		80.4	10-141		17.9	30	
Caprolactam	1.70	0.0833	"	1.67		102	10-123		14.2	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 BH60807 - EPA 3550C

LCS Dup (BH60807-BSD1)

Prepared: 08/12/2016 Analyzed: 08/14/2016

Carbazole	1.90	0.0417	mg/kg wet	1.67		114	31-120		22.1	30	
Chrysene	1.47	0.0417	"	1.67		88.0	24-116		0.0681	30	
Dibenzo(a,h)anthracene	1.53	0.0417	"	1.67		91.5	17-147		5.02	30	
Dibenzofuran	1.36	0.0417	"	1.67		81.5	23-123		4.57	30	
Diethyl phthalate	1.37	0.0417	"	1.67		82.4	23-122		3.63	30	
Dimethyl phthalate	1.36	0.0417	"	1.67		81.8	28-127		4.32	30	
Di-n-butyl phthalate	1.30	0.0417	"	1.67		78.2	19-123		11.4	30	
Di-n-octyl phthalate	1.59	0.0417	"	1.67		95.6	10-132		9.42	30	
Fluoranthene	1.32	0.0417	"	1.67		79.4	36-125		16.6	30	
Fluorene	1.44	0.0417	"	1.67		86.5	16-130		2.55	30	
Hexachlorobenzene	1.32	0.0417	"	1.67		79.2	10-129		19.5	30	
Hexachlorobutadiene	1.29	0.0417	"	1.67		77.6	22-153		3.01	30	
Hexachlorocyclopentadiene	1.00	0.0417	"	1.67		60.0	10-134		9.94	30	
Hexachloroethane	1.16	0.0417	"	1.67		69.8	20-112		1.84	30	
Indeno(1,2,3-cd)pyrene	1.54	0.0417	"	1.67		92.5	10-155		4.74	30	
Isophorone	1.23	0.0417	"	1.67		73.7	14-131		0.598	30	
Naphthalene	1.41	0.0417	"	1.67		84.3	20-121		3.06	30	
Nitrobenzene	1.17	0.0417	"	1.67		70.0	20-121		1.87	30	
N-Nitrosodimethylamine	1.04	0.0417	"	1.67		62.2	10-124		3.57	30	
N-nitroso-di-n-propylamine	1.06	0.0417	"	1.67		63.5	21-119		3.34	30	
N-Nitrosodiphenylamine	1.77	0.0417	"	1.67		106	10-163		0.0566	30	
Pentachlorophenol	1.22	0.0417	"	1.67		73.3	10-143		15.0	30	
Phenanthrene	1.33	0.0417	"	1.67		79.5	24-123		8.88	30	
Phenol	1.19	0.0417	"	1.67		71.3	15-123		0.308	30	
Pyrene	1.31	0.0417	"	1.67		78.7	24-132		6.10	30	
<i>Surrogate: 2-Fluorophenol</i>	<i>1.79</i>		<i>"</i>	<i>2.51</i>		<i>71.6</i>	<i>20-108</i>				
<i>Surrogate: Phenol-d5</i>	<i>1.84</i>		<i>"</i>	<i>2.51</i>		<i>73.6</i>	<i>23-114</i>				
<i>Surrogate: Nitrobenzene-d5</i>	<i>1.19</i>		<i>"</i>	<i>1.67</i>		<i>71.2</i>	<i>22-108</i>				
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>1.28</i>		<i>"</i>	<i>1.67</i>		<i>76.6</i>	<i>21-113</i>				
<i>Surrogate: 2,4,6-Tribromophenol</i>	<i>2.22</i>		<i>"</i>	<i>2.50</i>		<i>88.6</i>	<i>30-130</i>				
<i>Surrogate: Terphenyl-d14</i>	<i>1.00</i>		<i>"</i>	<i>1.67</i>		<i>59.7</i>	<i>24-116</i>				



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 BH60658 - EPA 3550C

Blank (BH60658-BLK1)

Prepared: 08/10/2016 Analyzed: 08/12/2016

4,4'-DDD	ND	0.000330	mg/kg wet								
4,4'-DDE	ND	0.000330	"								
4,4'-DDT	ND	0.000330	"								
Aldrin	ND	0.000330	"								
alpha-BHC	ND	0.000330	"								
alpha-Chlordane	ND	0.000330	"								
beta-BHC	ND	0.000330	"								
Chlordane, total	ND	0.0132	"								
delta-BHC	ND	0.000330	"								
Dieldrin	ND	0.000330	"								
Endosulfan I	ND	0.000330	"								
Endosulfan II	ND	0.000330	"								
Endosulfan sulfate	ND	0.000330	"								
Endrin	ND	0.000330	"								
Endrin aldehyde	ND	0.000330	"								
Endrin ketone	ND	0.000330	"								
gamma-BHC (Lindane)	ND	0.000330	"								
gamma-Chlordane	ND	0.000330	"								
Heptachlor	ND	0.000330	"								
Heptachlor epoxide	ND	0.000330	"								
Methoxychlor	ND	0.00165	"								
Toxaphene	ND	0.0167	"								
Surrogate: Tetrachloro-m-xylene	0.0588		"	0.0667		88.2	30-140				
Surrogate: Decachlorobiphenyl	0.0591		"	0.0667		88.6	30-140				

LCS (BH60658-BS1)

Prepared: 08/10/2016 Analyzed: 08/12/2016

4,4'-DDD	0.0383	0.000330	mg/kg wet	0.0333		115	40-140				
4,4'-DDE	0.0363	0.000330	"	0.0333		109	40-140				
4,4'-DDT	0.0352	0.000330	"	0.0333		106	40-140				
Aldrin	0.0323	0.000330	"	0.0333		97.0	40-140				
alpha-BHC	0.0352	0.000330	"	0.0333		105	40-140				
alpha-Chlordane	0.0300	0.000330	"	0.0333		90.0	40-140				
beta-BHC	0.0328	0.000330	"	0.0333		98.3	40-140				
delta-BHC	0.0366	0.000330	"	0.0333		110	40-140				
Dieldrin	0.0307	0.000330	"	0.0333		92.1	40-140				
Endosulfan I	0.0306	0.000330	"	0.0333		91.8	40-140				
Endosulfan II	0.0302	0.000330	"	0.0333		90.6	40-140				
Endosulfan sulfate	0.0314	0.000330	"	0.0333		94.3	40-140				
Endrin	0.0318	0.000330	"	0.0333		95.3	40-140				
Endrin aldehyde	0.0280	0.000330	"	0.0333		84.1	40-140				
Endrin ketone	0.0301	0.000330	"	0.0333		90.3	40-140				
gamma-BHC (Lindane)	0.0341	0.000330	"	0.0333		102	40-140				
gamma-Chlordane	0.0302	0.000330	"	0.0333		90.5	40-140				
Heptachlor	0.0296	0.000330	"	0.0333		88.7	40-140				
Heptachlor epoxide	0.0294	0.000330	"	0.0333		88.3	40-140				
Methoxychlor	0.0398	0.00165	"	0.0333		119	40-140				
Surrogate: Tetrachloro-m-xylene	0.0587		"	0.0667		88.0	30-140				
Surrogate: Decachlorobiphenyl	0.0574		"	0.0667		86.1	30-140				



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 Y6H1529 - BG60996

Performance Mix (Y6H1529-PEM1)

Prepared & Analyzed: 08/12/2016

4,4'-DDD	0.00		ng/mL	0.00			0-200			
4,4'-DDE	1.45		"	0.00			0-200			
4,4'-DDT	183		"	200		91.7	0-200			
Endrin	113		"	100		113	0-200			
Endrin aldehyde	1.00		"	0.00			0-200			
Endrin ketone	2.90		"	0.00			0-200			

Performance Mix (Y6H1529-PEM2)

Prepared & Analyzed: 08/12/2016

4,4'-DDD	0.00		ng/mL	0.00			0-200			
4,4'-DDE	1.34		"	0.00			0-200			
4,4'-DDT	232		"	200		116	0-200			
Endrin	133		"	100		133	0-200			
Endrin aldehyde	1.17		"	0.00			0-200			
Endrin ketone	3.04		"	0.00			0-200			

Performance Mix (Y6H1529-PEM3)

Prepared: 08/12/2016 Analyzed: 08/13/2016

4,4'-DDD	0.00		ng/mL	0.00			0-200			
4,4'-DDE	1.58		"	0.00			0-200			
4,4'-DDT	235		"	200		117	0-200			
Endrin	136		"	100		136	0-200			
Endrin aldehyde	1.26		"	0.00			0-200			
Endrin ketone	3.57		"	0.00			0-200			

Batch Y6H1626 - BG60996

Performance Mix (Y6H1626-PEM1)

Prepared & Analyzed: 08/15/2016

4,4'-DDD	0.00		ng/mL	0.00			0-200			
4,4'-DDE	0.613		"	0.00			0-200			
4,4'-DDT	125		"	200		62.7	0-200			
Endrin	77.5		"	100		77.5	0-200			
Endrin aldehyde	0.323		"	0.00			0-200			
Endrin ketone	1.30		"	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 Y6H1626 - BG60996

Performance Mix (Y6H1626-PEM2)

Prepared & Analyzed: 08/15/2016

4,4'-DDD	0.00		ng/mL	0.00			0-200				
4,4'-DDE	0.871		"	0.00			0-200				
4,4'-DDT	187		"	200		93.5	0-200				
Endrin	114		"	100		114	0-200				
Endrin aldehyde	0.515		"	0.00			0-200				
Endrin ketone	2.32		"	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 BH60658 - EPA 3550C

Blank (BH60658-BLK2)

Prepared: 08/10/2016 Analyzed: 08/11/2016

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

0.0613

"

0.0667

92.0

30-140

Surrogate: Decachlorobiphenyl

0.0653

"

0.0667

98.0

30-140

LCS (BH60658-BS2)

Prepared: 08/10/2016 Analyzed: 08/11/2016

Aroclor 1016	0.297	0.0167	mg/kg wet	0.333		89.2	40-130				
Aroclor 1260	0.268	0.0167	"	0.333		80.5	40-130				

Surrogate: Tetrachloro-m-xylene

0.0620

"

0.0667

93.0

30-140

Surrogate: Decachlorobiphenyl

0.0503

"

0.0667

75.5

30-140

LCS Dup (BH60658-BSD2)

Prepared: 08/10/2016 Analyzed: 08/11/2016

Aroclor 1016	0.340	0.0167	mg/kg wet	0.333		102	40-130		13.4	25	
Aroclor 1260	0.307	0.0167	"	0.333		92.2	40-130		13.5	25	

Surrogate: Tetrachloro-m-xylene

0.0657

"

0.0667

98.5

30-140

Surrogate: Decachlorobiphenyl

0.0540

"

0.0667

81.0

30-140



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 BH60724 - EPA 3050B

Blank (BH60724-BLK1)

Prepared & Analyzed: 08/11/2016

Aluminum	ND	5.00	mg/kg wet
Antimony	ND	0.500	"
Arsenic	ND	1.00	"
Barium	ND	1.00	"
Beryllium	ND	0.100	"
Cadmium	ND	0.300	"
Calcium	ND	5.00	"
Chromium	ND	0.500	"
Cobalt	ND	0.500	"
Copper	ND	0.500	"
Iron	ND	2.00	"
Lead	ND	0.300	"
Magnesium	ND	5.00	"
Manganese	ND	0.500	"
Nickel	ND	0.500	"
Potassium	ND	5.00	"
Selenium	ND	1.00	"
Silver	ND	0.500	"
Sodium	ND	10.0	"
Thallium	ND	1.00	"
Vanadium	ND	1.00	"
Zinc	ND	1.00	"



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 BH60681 - EPA 7473 soil

Blank (BH60681-BLK1)

Prepared & Analyzed: 08/11/2016

Mercury	ND	0.0300	mg/kg wet

Reference (BH60681-SRM1)

Prepared & Analyzed: 08/11/2016

Mercury	7.3690		mg/kg	5.76		128	71.2-129

Batch BH60682 - EPA 7473 soil

Blank (BH60682-BLK1)

Prepared & Analyzed: 08/11/2016

Mercury	ND	0.0300	mg/kg wet

Reference (BH60682-SRM1)

Prepared & Analyzed: 08/11/2016

Mercury	6.2631		mg/kg	5.76		109	71.2-129



Wet Chemistry Parameters - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BH60872 - Analysis Preparation Soil

Blank (BH60872-BLK1)

Prepared & Analyzed: 08/15/2016

Cyanide, total ND 0.500 mg/kg wet

Reference (BH60872-SRM1)

Prepared & Analyzed: 08/15/2016

Cyanide, total 73.5 ug/mL 53.9 136 37.5-163.7

Batch BH60874 - EPA SW846-3060

Blank (BH60874-BLK1)

Prepared & Analyzed: 08/15/2016

Chromium, Hexavalent ND 0.500 mg/kg wet

Reference (BH60874-SRM1)

Prepared & Analyzed: 08/15/2016

Chromium, Hexavalent 64.4 mg/L 108 59.6 29.8-206

Batch BH60952 - Analysis Preparation Soil

Blank (BH60952-BLK1)

Prepared & Analyzed: 08/16/2016

Cyanide, total ND 0.500 mg/kg wet

Reference (BH60952-SRM1)

Prepared & Analyzed: 08/16/2016

Cyanide, total 51.5 ug/mL 53.9 95.5 37.5-163.7



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
16H0470-01	SB-3 (2'-3')	40mL Vial with Stir Bar-Cool 4° C
16H0470-02	SB-3 (9'-10')	40mL Vial with Stir Bar-Cool 4° C
16H0470-03	SB-4 (1'-2')	40mL Vial with Stir Bar-Cool 4° C
16H0470-04	SB-4 (14'-15')	40mL Vial with Stir Bar-Cool 4° C
16H0470-05	SB-6 (1'-2')	40mL Vial with Stir Bar-Cool 4° C
16H0470-06	SB-7 (1'-2')	40mL Vial with Stir Bar-Cool 4° C
16H0470-07	SB-7 (8'-9')	40mL Vial with Stir Bar-Cool 4° C
16H0470-08	SB-11 (1'-2')	40mL Vial with Stir Bar-Cool 4° C
16H0470-09	SB-11 (7'-8')	40mL Vial with Stir Bar-Cool 4° C
16H0470-10	Trip Blank	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



Notes and Definitions

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.
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.
IS-06	Internal standard perylene-d12 did not meet acceptance criteria. The sample was reanalyzed to confirm matrix interference. Compounds affected are: Benzo(g,h,i)perylene, Dibenzo(a,h)anthracene and Indeno(1,2,3-cd)pyrene.
IS-01	This internal standard did not meet acceptance criteria. The sample was reanalyzed to confirm matrix interference.
GC-SCu	This surrogate recovered below control limits due to extract clean-up required. The alternate surrogate, Decachlorobiphenyl is within control limits.
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).
Cal-E	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration (average Rf>20%)
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.
*	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
120 RESEARCH DR.
STRATFORD, CT 06615
(203) 325-1371
FAX (203) 357-0166

Field Chain-of-Custody Record

Page 1 of 2
York Project No. 16A0470

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		Report to:		Invoice To:		Your Project ID		Turn-Around Time		Report/Deliverable Type	
Company: AKRF, Inc.	☒ SAME	Name:	1678 & 1700 Park Avenue	☒ SAME	Name:	RUSH-Same Day		Summary Report			
Address: 440 Park Ave. S. 7th Fl.		Company:			Company:	RUSH-Next Day		QA Report			
Phone: 646.388.9784		Address:			Address:	RUSH-Two Day		CT RCP			
Contact: J. Patrick Diggins		E-mail:			E-mail:	RUSH-Three Day		CT RCP DOA/DUE Pkg			
E-mail: jdiggins@akrf.com						RUSH-Four Day		NY ASP A Package			
						Standard (5-7day)		NY ASP B Package			
								NUDEP Reduced Deliv			
								Excel			
								NYSDEC EQUIS			
								NUDEP SRP HazSite			
								EQUIS			
								GIS/KEY (std)			
								YORK Regulatory Comp Excel			
								compared to:			
								OTHER:			

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)

Name (printed)

Sample Identification	Date+Time Sampled	Matrix	Analysis Requested (List above includes common analysis)	Container Description
SB-3 (2'-3')	8/9/16 16:40	S	VOCs (EPA 8260C), SVOCs (EPA 8270D), Pesticides (EPA 8081), PCBs (EPA 8082) TAL Metals (EPA 8000/7000 series)	
SB-3 (9'-10')	8/9/16 10:45	S	VOCs (EPA 8260C), SVOCs (EPA 8270D), Pesticides (EPA 8081), PCBs (EPA 8082) TAL Metals (EPA 8000/7000 series)	
SB-4 (1'-2')	8/9/16 9:55	S	VOCs (EPA 8260C), SVOCs (EPA 8270D), Pesticides (EPA 8081), PCBs (EPA 8082) TAL Metals (EPA 8000/7000 series)	
SB-4 (14'-15')	8/9/16 10:05	S	VOCs (EPA 8260C), SVOCs (EPA 8270D), Pesticides (EPA 8081), PCBs (EPA 8082) TAL Metals (EPA 8000/7000 series)	
SB-6 (1'-2')	8/9/16 14:55	S	VOCs (EPA 8260C), SVOCs (EPA 8270D), Pesticides (EPA 8081), PCBs (EPA 8082) TAL Metals (EPA 8000/7000 series)	
SB-7 (1'-2')	8/9/16 15:40	S	VOCs (EPA 8260C), SVOCs (EPA 8270D), Pesticides (EPA 8081), PCBs (EPA 8082) TAL Metals (EPA 8000/7000 series)	
SB-7 (8'-9')	8/9/16 15:50	S	VOCs (EPA 8260C), SVOCs (EPA 8270D), Pesticides (EPA 8081), PCBs (EPA 8082) TAL Metals (EPA 8000/7000 series)	
SB-11 (1'-2')	8/9/16 16:20	S	VOCs (EPA 8260C), SVOCs (EPA 8270D), Pesticides (EPA 8081), PCBs (EPA 8082) TAL Metals (EPA 8000/7000 series)	
SB-11 (7'-8')	8/9/16 16:25	S	VOCs (EPA 8260C), SVOCs (EPA 8270D), Pesticides (EPA 8081), PCBs (EPA 8082) TAL Metals (EPA 8000/7000 series)	

Preservation (check all applicable)		Special Instructions		Comments:	
4°C	☒ Frozen	Field Filtered ☐	Lab to Filter ☐		
HCl	☒ HNO ₃	Ascorbic Acid	Other		
NaOH	☒				
Samples Relinquished By <u>Will Grosser</u> Date/Time <u>8/9/16 16:20</u>		Samples Received By <u>SK/16/16</u> Date/Time <u>8/9/16 19:18</u>		Temperature on Receipt <u>4.6</u> °C	
Samples Relinquished By _____ Date/Time _____		Samples Received in LAB by _____ Date/Time _____			

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 2 of 2

York Project No. 16HD470

YOUR INFORMATION		Report to:		Invoice To:		Your Project ID		Turn-Around Time		Report/Deliverable Type	
Company: AKRF, Inc.		☒ SAME		☒ SAME		1678 & 1700 Park Avenue		RUSH-Same Day		Summary Report	
Address: 440 Park Ave. S. 7th Fl.		Name:		Name:				RUSH-Next Day		QA Report	
New York, NY 10016		Company:		Company:		Purchase Order #		RUSH-Two Day		CT RCP	
Phone.: 646.388.9784		Address:		Address:		12431		RUSH-Three Day		CT RCP DQA/DUE Pkg	
Contact: J. Patrick Diggins		E-mail:		E-mail:		Samples from CT NY NJ		RUSH-Four Day		NY ASP A Package	
E-mail: jdiggins@akrf.com								Standard (5-7day)		NY ASP B Package	
										NJDEP Reduced Deliv	
										Excel	
										NYSDEC EQUIS	
										NJDEP SRP HazSite	
										EQUIS	
										GIS/KEY (std)	
										YORK Regulatory Comp Excel	
										compared to:	
										OTHER:	
										Container Description	

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.

Samples Collected/Authorized By (Signature)

Name (printed)

Analysis Requested (List above includes common analysis)

~~VOCs (EPA 8260C), SVOCs (EPA 8270D), Pesticides (EPA 8081), PCBs (EPA 8082) TAL Metals (EPA 6000/7000 series)~~

~~VOCs (EPA 8260C), SVOCs (EPA 8270D), Pesticides (EPA 8081), PCBs (EPA 8082) TAL Metals (EPA 6000/7000 series)~~

~~VOCs (EPA 8260C), SVOCs (EPA 8270D), Pesticides (EPA 8081), PCBs (EPA 8082) TAL Metals (EPA 6000/7000 series)~~

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~~VOCs (EPA 8260C), SVOCs (EPA 8270D), Pesticides (EPA 8081), PCBs (EPA 8082) TAL Metals (EPA 6000/7000 series)~~

~~VOCs (EPA 8260C), SVOCs (EPA 8270D), Pesticides (EPA 8081), PCBs (EPA 8082) TAL Metals (EPA 6000/7000 series)~~

Sample Identification	Date+Time Sampled	Matrix	Preservation (check all applicable)	Comments:
TRAP BLANK		ATX	4°C ☒ Frozen ☐ HCl ☐ ZnAc ☐ Ascorbic Acid ☐ Other ☐	Special Instructions ☐ Field Filtered ☐ Lab to Filter ☐

Samples Relinquished By

Date/Time

Samples Received By

Date/Time

Samples Relinquished By

Date/Time

Samples Received in LAB by

Date/Time

Temperature on Receipt

4.6 °C

Temperature on Receipt

4.6 °C



Technical Report

prepared for:

AKRF, Inc.
440 Park Avenue South, 7th Floor
New York NY, 10016
Attention: Patrick Diggins

Report Date: 08/18/2016
Client Project ID: 1678 & 1700 Park Avenue
York Project (SDG) No.: 16H0538

CT Cert. No. PH-0723

New Jersey Cert. No. CT-005



New York Cert. No. 10854

PA Cert. No. 68-04440

Report Date: 08/18/2016
Client Project ID: 1678 & 1700 Park Avenue
York Project (SDG) No.: 16H0538

AKRF, Inc.
440 Park Avenue South, 7th Floor
New York NY, 10016
Attention: Patrick Diggins

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on August 11, 2016 and listed below. The project was identified as your project: **1678 & 1700 Park Avenue**.

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 Notes 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 attachment to 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>
16H0538-01	SB-9 (4'-5')	Soil	08/10/2016	08/11/2016
16H0538-02	SB-9 (8'-9')	Soil	08/10/2016	08/11/2016
16H0538-03	TW-2	Water	08/10/2016	08/11/2016
16H0538-04	SB-8 (1'-2')	Soil	08/10/2016	08/11/2016
16H0538-05	SB-8 (8'-9')	Soil	08/10/2016	08/11/2016
16H0538-06	SB-10 (1'-2')	Soil	08/10/2016	08/11/2016
16H0538-07	SB-10 (8'-9')	Soil	08/10/2016	08/11/2016
16H0538-08	Trip Blank	Water	08/10/2016	08/11/2016

General Notes for York Project (SDG) No.: 16H0538

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 samples were received in proper condition for analysis with proper documentation, unless otherwise noted.
6. All analyses conducted met method or Laboratory SOP requirements. See the Qualifiers and/or Narrative sections for further information.
7. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
8. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.

Approved By:



Benjamin Gulizia
Laboratory Director

Date: 08/18/2016





Sample Information

Client Sample ID: SB-9 (4'-5')

York Sample ID: 16H0538-01

York Project (SDG) No.

16H0538

Client Project ID

1678 & 1700 Park Avenue

Matrix

Soil

Collection Date/Time

August 10, 2016 10:05 am

Date Received

08/11/2016

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications:	08/16/2016 13:21 CTDOH,NELAC-NY10854,NJDEP	08/16/2016 21:41	SS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications:	08/16/2016 13:21 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 21:41	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications:	08/16/2016 13:21 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 21:41	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications:	08/16/2016 13:21 CTDOH,NELAC-NY10854,NJDEP	08/16/2016 21:41	SS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications:	08/16/2016 13:21 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 21:41	SS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications:	08/16/2016 13:21 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 21:41	SS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications:	08/16/2016 13:21 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 21:41	SS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications:	08/16/2016 13:21 NELAC-NY10854,NJDEP	08/16/2016 21:41	SS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications:	08/16/2016 13:21 NELAC-NY10854,NJDEP	08/16/2016 21:41	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications:	08/16/2016 13:21 NELAC-NY10854,NJDEP	08/16/2016 21:41	SS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications:	08/16/2016 13:21 CTDOH,NELAC-NY10854,NJDEP	08/16/2016 21:41	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications:	08/16/2016 13:21 CTDOH,NELAC-NY10854,NJDEP	08/16/2016 21:41	SS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications:	08/16/2016 13:21 CTDOH,NELAC-NY10854,NJDEP	08/16/2016 21:41	SS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications:	08/16/2016 13:21 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 21:41	SS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications:	08/16/2016 13:21 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 21:41	SS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications:	08/16/2016 13:21 CTDOH,NELAC-NY10854,NJDEP	08/16/2016 21:41	SS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications:	08/16/2016 13:21 CTDOH,NELAC-NY10854,NJDEP	08/16/2016 21:41	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications:	08/16/2016 13:21 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 21:41	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications:	08/16/2016 13:21 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 21:41	SS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.051	0.10	1	EPA 8260C Certifications:	08/16/2016 13:21 NELAC-NY10854,NJDEP	08/16/2016 21:41	SS
78-93-3	2-Butanone	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications:	08/16/2016 13:21 CTDOH,NELAC-NY10854,NJDEP	08/16/2016 21:41	SS
591-78-6	2-Hexanone	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications:	08/16/2016 13:21 CTDOH,NELAC-NY10854,NJDEP	08/16/2016 21:41	SS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications:	08/16/2016 13:21 CTDOH,NELAC-NY10854,NJDEP	08/16/2016 21:41	SS



Sample Information

Client Sample ID: SB-9 (4'-5')

York Sample ID: 16H0538-01

York Project (SDG) No.

16H0538

Client Project ID

1678 & 1700 Park Avenue

Matrix

Soil

Collection Date/Time

August 10, 2016 10:05 am

Date Received

08/11/2016

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-64-1	Acetone	ND		mg/kg dry	0.0051	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/16/2016 13:21	08/16/2016 21:41	SS
107-02-8	Acrolein	ND		mg/kg dry	0.0051	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/16/2016 13:21	08/16/2016 21:41	SS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/16/2016 13:21	08/16/2016 21:41	SS
71-43-2	Benzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:21	08/16/2016 21:41	SS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/16/2016 13:21	08/16/2016 21:41	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:21	08/16/2016 21:41	SS
75-25-2	Bromoform	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:21	08/16/2016 21:41	SS
74-83-9	Bromomethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:21	08/16/2016 21:41	SS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/16/2016 13:21	08/16/2016 21:41	SS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:21	08/16/2016 21:41	SS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:21	08/16/2016 21:41	SS
75-00-3	Chloroethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:21	08/16/2016 21:41	SS
67-66-3	Chloroform	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:21	08/16/2016 21:41	SS
74-87-3	Chloromethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:21	08/16/2016 21:41	SS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/16/2016 13:21	08/16/2016 21:41	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:21	08/16/2016 21:41	SS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/16/2016 13:21	08/16/2016 21:41	SS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:21	08/16/2016 21:41	SS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/16/2016 13:21	08/16/2016 21:41	SS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/16/2016 13:21	08/16/2016 21:41	SS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:21	08/16/2016 21:41	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/16/2016 13:21	08/16/2016 21:41	SS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/16/2016 13:21	08/16/2016 21:41	SS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/16/2016 13:21	08/16/2016 21:41	SS



Sample Information

Client Sample ID: SB-9 (4'-5')

York Sample ID: 16H0538-01

York Project (SDG) No.

16H0538

Client Project ID

1678 & 1700 Park Avenue

Matrix

Soil

Collection Date/Time

August 10, 2016 10:05 am

Date Received

08/11/2016

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/16/2016 13:21	08/16/2016 21:41	SS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/16/2016 13:21	08/16/2016 21:41	SS
75-09-2	Methylene chloride	0.0055	J	mg/kg dry	0.0051	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:21	08/16/2016 21:41	SS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/16/2016 13:21	08/16/2016 21:41	SS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/16/2016 13:21	08/16/2016 21:41	SS
95-47-6	o-Xylene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854	08/16/2016 13:21	08/16/2016 21:41	SS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0051	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854	08/16/2016 13:21	08/16/2016 21:41	SS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/16/2016 13:21	08/16/2016 21:41	SS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/16/2016 13:21	08/16/2016 21:41	SS
100-42-5	Styrene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/16/2016 13:21	08/16/2016 21:41	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/16/2016 13:21	08/16/2016 21:41	SS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/16/2016 13:21	08/16/2016 21:41	SS
127-18-4	Tetrachloroethylene	0.0036	J	mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:21	08/16/2016 21:41	SS
108-88-3	Toluene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:21	08/16/2016 21:41	SS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/16/2016 13:21	08/16/2016 21:41	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:21	08/16/2016 21:41	SS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:21	08/16/2016 21:41	SS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:21	08/16/2016 21:41	SS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:21	08/16/2016 21:41	SS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0076	0.015	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:21	08/16/2016 21:41	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	110 %	77-125								
2037-26-5	Surrogate: Toluene-d8	104 %	85-120								
460-00-4	Surrogate: p-Bromofluorobenzene	122 %	76-130								



Sample Information

Client Sample ID: SB-9 (4'-5')

York Sample ID: 16H0538-01

York Project (SDG) No.

16H0538

Client Project ID

1678 & 1700 Park Avenue

Matrix

Soil

Collection Date/Time

August 10, 2016 10:05 am

Date Received

08/11/2016

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1'-Biphenyl	ND		mg/kg dry	0.0698	0.139	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 22:20	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.139	0.278	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 22:20	KH
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0698	0.139	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 22:20	KH
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0698	0.139	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/16/2016 13:30	08/17/2016 22:20	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0698	0.139	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 22:20	KH
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0698	0.139	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/16/2016 13:30	08/17/2016 22:20	KH
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0698	0.139	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/16/2016 13:30	08/17/2016 22:20	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.139	0.278	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 22:20	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0698	0.139	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 22:20	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0698	0.139	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 22:20	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0698	0.139	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 22:20	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0698	0.139	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 22:20	KH
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.139	0.278	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 22:20	KH
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0698	0.139	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 22:20	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0698	0.139	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 22:20	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0698	0.139	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 22:20	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0698	0.139	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 22:20	KH
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0698	0.139	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 22:20	KH
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0698	0.139	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 22:20	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.139	0.278	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 22:20	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0698	0.139	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 22:20	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0698	0.139	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 22:20	KH
91-94-1	3,3'-Dichlorobenzidine	ND		mg/kg dry	0.0698	0.139	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 22:20	KH



Sample Information

Client Sample ID: SB-9 (4'-5')

York Sample ID: 16H0538-01

York Project (SDG) No.

16H0538

Client Project ID

1678 & 1700 Park Avenue

Matrix

Soil

Collection Date/Time

August 10, 2016 10:05 am

Date Received

08/11/2016

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.139	0.278	2	EPA 8270D Certifications:	08/16/2016 13:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2016 22:20	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.139	0.278	2	EPA 8270D Certifications:	08/16/2016 13:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2016 22:20	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0698	0.139	2	EPA 8270D Certifications:	08/16/2016 13:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2016 22:20	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0698	0.139	2	EPA 8270D Certifications:	08/16/2016 13:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2016 22:20	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0698	0.139	2	EPA 8270D Certifications:	08/16/2016 13:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2016 22:20	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0698	0.139	2	EPA 8270D Certifications:	08/16/2016 13:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2016 22:20	KH
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.139	0.278	2	EPA 8270D Certifications:	08/16/2016 13:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2016 22:20	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.139	0.278	2	EPA 8270D Certifications:	08/16/2016 13:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2016 22:20	KH
83-32-9	Acenaphthene	ND		mg/kg dry	0.0698	0.139	2	EPA 8270D Certifications:	08/16/2016 13:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2016 22:20	KH
208-96-8	Acenaphthylene	0.156		mg/kg dry	0.0698	0.139	2	EPA 8270D Certifications:	08/16/2016 13:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2016 22:20	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0698	0.139	2	EPA 8270D Certifications:	08/16/2016 13:30 NELAC-NY10854,NJDEP,PADEP	08/17/2016 22:20	KH
62-53-3	Aniline	ND		mg/kg dry	0.279	0.558	2	EPA 8270D Certifications:	08/16/2016 13:30 NELAC-NY10854,NJDEP,PADEP	08/17/2016 22:20	KH
120-12-7	Anthracene	0.194		mg/kg dry	0.0698	0.139	2	EPA 8270D Certifications:	08/16/2016 13:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2016 22:20	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0698	0.139	2	EPA 8270D Certifications:	08/16/2016 13:30 NELAC-NY10854,NJDEP,PADEP	08/17/2016 22:20	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0698	0.139	2	EPA 8270D Certifications:	08/16/2016 13:30 NELAC-NY10854,NJDEP,PADEP	08/17/2016 22:20	KH
92-87-5	Benzidine	ND		mg/kg dry	0.279	0.558	2	EPA 8270D Certifications:	08/16/2016 13:30 CTDOH,NELAC-NY10854,PADEP	08/17/2016 22:20	KH
56-55-3	Benzo(a)anthracene	0.741	CCV-E	mg/kg dry	0.0698	0.139	2	EPA 8270D Certifications:	08/16/2016 13:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2016 22:20	KH
50-32-8	Benzo(a)pyrene	0.402	CCV-E	mg/kg dry	0.0698	0.139	2	EPA 8270D Certifications:	08/16/2016 13:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2016 22:20	KH
205-99-2	Benzo(b)fluoranthene	0.403		mg/kg dry	0.0698	0.139	2	EPA 8270D Certifications:	08/16/2016 13:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2016 22:20	KH
191-24-2	Benzo(g,h,i)perylene	0.366	IS-06	mg/kg dry	0.0698	0.139	2	EPA 8270D Certifications:	08/16/2016 13:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2016 22:20	KH
207-08-9	Benzo(k)fluoranthene	0.530		mg/kg dry	0.0698	0.139	2	EPA 8270D Certifications:	08/16/2016 13:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2016 22:20	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0698	0.139	2	EPA 8270D Certifications:	08/16/2016 13:30 NELAC-NY10854,NJDEP,PADEP	08/17/2016 22:20	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0698	0.139	2	EPA 8270D Certifications:	08/16/2016 13:30 NELAC-NY10854,NJDEP,PADEP	08/17/2016 22:20	KH



Sample Information

Client Sample ID: SB-9 (4'-5')

York Sample ID: 16H0538-01

York Project (SDG) No.

16H0538

Client Project ID

1678 & 1700 Park Avenue

Matrix

Soil

Collection Date/Time

August 10, 2016 10:05 am

Date Received

08/11/2016

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0698	0.139	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 22:20	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0698	0.139	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 22:20	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0698	0.139	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 22:20	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0698	0.139	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 22:20	KH
117-81-7	Bis(2-ethylhexyl)phthalate	0.0790	J	mg/kg dry	0.0698	0.139	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 22:20	KH
105-60-2	Caprolactam	ND		mg/kg dry	0.139	0.278	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 22:20	KH
86-74-8	Carbazole	ND		mg/kg dry	0.0698	0.139	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 22:20	KH
218-01-9	Chrysene	0.725		mg/kg dry	0.0698	0.139	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 22:20	KH
53-70-3	Dibenzo(a,h)anthracene	0.188	CCV-E, IS-06	mg/kg dry	0.0698	0.139	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 22:20	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0698	0.139	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 22:20	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0698	0.139	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 22:20	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0698	0.139	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 22:20	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0698	0.139	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 22:20	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0698	0.139	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 22:20	KH
206-44-0	Fluoranthene	1.55		mg/kg dry	0.0698	0.139	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 22:20	KH
86-73-7	Fluorene	ND		mg/kg dry	0.0698	0.139	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 22:20	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0698	0.139	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 22:20	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0698	0.139	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 22:20	KH
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0698	0.139	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 22:20	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0698	0.139	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 22:20	KH
193-39-5	Indeno(1,2,3-cd)pyrene	0.329	CCV-E, IS-06	mg/kg dry	0.0698	0.139	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 22:20	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0698	0.139	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 22:20	KH
91-20-3	Naphthalene	ND		mg/kg dry	0.0698	0.139	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 22:20	KH



Sample Information

Client Sample ID: SB-9 (4'-5')

York Sample ID: 16H0538-01

York Project (SDG) No.

16H0538

Client Project ID

1678 & 1700 Park Avenue

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Collection Date/Time

August 10, 2016 10:05 am

Date Received

08/11/2016

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0698	0.139	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 22:20	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0698	0.139	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 22:20	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0698	0.139	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 22:20	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0698	0.139	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 22:20	KH
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0698	0.139	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 22:20	KH
85-01-8	Phenanthrene	0.704		mg/kg dry	0.0698	0.139	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 22:20	KH
108-95-2	Phenol	ND		mg/kg dry	0.0698	0.139	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 22:20	KH
129-00-0	Pyrene	1.33		mg/kg dry	0.0698	0.139	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 22:20	KH
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: 2-Fluorophenol	76.3 %	20-108								
4165-62-2	Surrogate: Phenol-d5	91.3 %	23-114								
4165-60-0	Surrogate: Nitrobenzene-d5	77.9 %	22-108								
321-60-8	Surrogate: 2-Fluorobiphenyl	81.7 %	21-113								
118-79-6	Surrogate: 2,4,6-Tribromophenol	93.7 %	19-110								
1718-51-0	Surrogate: Terphenyl-d14	70.7 %	24-116								

Pesticides, 8081 target list

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
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00184	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 09:20	08/15/2016 20:41	AMC
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00184	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 09:20	08/15/2016 20:41	AMC
50-29-3	4,4'-DDT	0.00365		mg/kg dry	0.00184	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 09:20	08/15/2016 20:41	AMC
309-00-2	Aldrin	ND		mg/kg dry	0.00184	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 09:20	08/15/2016 20:41	AMC
319-84-6	alpha-BHC	ND		mg/kg dry	0.00184	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 09:20	08/15/2016 20:41	AMC
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00184	0.00184	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/15/2016 09:20	08/15/2016 20:41	AMC
319-85-7	beta-BHC	ND		mg/kg dry	0.00184	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 09:20	08/15/2016 20:41	AMC
57-74-9	Chlordane, total	ND		mg/kg dry	0.0735	0.0735	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 09:20	08/15/2016 20:41	AMC



Sample Information

Client Sample ID: SB-9 (4'-5')

York Sample ID: 16H0538-01

York Project (SDG) No.

16H0538

Client Project ID

1678 & 1700 Park Avenue

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Collection Date/Time

August 10, 2016 10:05 am

Date Received

08/11/2016

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
319-86-8	delta-BHC	ND		mg/kg dry	0.00184	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 09:20	08/15/2016 20:41	AMC
60-57-1	Dieldrin	ND		mg/kg dry	0.00184	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 09:20	08/15/2016 20:41	AMC
959-98-8	Endosulfan I	ND		mg/kg dry	0.00184	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 09:20	08/15/2016 20:41	AMC
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00184	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 09:20	08/15/2016 20:41	AMC
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00184	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 09:20	08/15/2016 20:41	AMC
72-20-8	Endrin	ND		mg/kg dry	0.00184	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 09:20	08/15/2016 20:41	AMC
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00184	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 09:20	08/15/2016 20:41	AMC
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00184	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 09:20	08/15/2016 20:41	AMC
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00184	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 09:20	08/15/2016 20:41	AMC
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00184	0.00184	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/15/2016 09:20	08/15/2016 20:41	AMC
76-44-8	Heptachlor	ND		mg/kg dry	0.00184	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 09:20	08/15/2016 20:41	AMC
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00184	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 09:20	08/15/2016 20:41	AMC
72-43-5	Methoxychlor	ND		mg/kg dry	0.00918	0.00918	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 09:20	08/15/2016 20:41	AMC
8001-35-2	Toxaphene	ND		mg/kg dry	0.0929	0.0929	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 09:20	08/15/2016 20:41	AMC
Surrogate Recoveries		Result		Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	72.1 %									
877-09-8	Surrogate: Tetrachloro-m-xylene	27.5 %	GC-SC u								

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0185	0.0185	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2016 09:20	08/15/2016 21:40	AMC
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0185	0.0185	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2016 09:20	08/15/2016 21:40	AMC
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0185	0.0185	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2016 09:20	08/15/2016 21:40	AMC
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0185	0.0185	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2016 09:20	08/15/2016 21:40	AMC



Sample Information

Client Sample ID: SB-9 (4'-5')

York Sample ID: 16H0538-01

York Project (SDG) No.
16H0538

Client Project ID
1678 & 1700 Park Avenue

Matrix
Soil

Collection Date/Time
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Date Received
08/11/2016

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0185	0.0185	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2016 09:20	08/15/2016 21:40	AMC
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0185	0.0185	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2016 09:20	08/15/2016 21:40	AMC
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0185	0.0185	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2016 09:20	08/15/2016 21:40	AMC
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0185	0.0185	1	EPA 8082A Certifications:	08/15/2016 09:20	08/15/2016 21:40	AMC
Surrogate Recoveries		Result		Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	65.5 %		30-140							
2051-24-3	Surrogate: Decachlorobiphenyl	63.5 %		30-140							

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	10000		mg/kg dry	5.56	5.56	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:45	08/13/2016 02:44	KV
7440-36-0	Antimony	ND		mg/kg dry	0.556	0.556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:45	08/13/2016 02:44	KV
7440-38-2	Arsenic	6.50		mg/kg dry	1.11	1.11	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:45	08/13/2016 02:44	KV
7440-39-3	Barium	132		mg/kg dry	1.11	1.11	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:45	08/13/2016 02:44	KV
7440-41-7	Beryllium	ND		mg/kg dry	0.111	0.111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:45	08/13/2016 02:44	KV
7440-43-9	Cadmium	0.757		mg/kg dry	0.334	0.334	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:45	08/13/2016 02:44	KV
7440-70-2	Calcium	56100		mg/kg dry	0.556	5.56	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:45	08/13/2016 02:44	KV
7440-47-3	Chromium	24.3		mg/kg dry	0.556	0.556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:45	08/13/2016 02:44	KV
7440-48-4	Cobalt	7.85		mg/kg dry	0.556	0.556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:45	08/13/2016 02:44	KV
7440-50-8	Copper	30.0		mg/kg dry	0.556	0.556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:45	08/13/2016 02:44	KV
7439-89-6	Iron	14600		mg/kg dry	2.23	2.23	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:45	08/13/2016 02:44	KV
7439-92-1	Lead	64.5		mg/kg dry	0.334	0.334	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:45	08/13/2016 02:44	KV
7439-95-4	Magnesium	7000		mg/kg dry	5.56	5.56	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:45	08/13/2016 02:44	KV
7439-96-5	Manganese	266		mg/kg dry	0.556	0.556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:45	08/13/2016 02:44	KV



Sample Information

Client Sample ID: SB-9 (4'-5')

York Sample ID: 16H0538-01

York Project (SDG) No.

16H0538

Client Project ID

1678 & 1700 Park Avenue

Matrix

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Collection Date/Time

August 10, 2016 10:05 am

Date Received

08/11/2016

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-02-0	Nickel	19.8		mg/kg dry	0.556	0.556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:45	08/13/2016 02:44	KV
7440-09-7	Potassium	3000		mg/kg dry	5.56	5.56	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:45	08/13/2016 02:44	KV
7782-49-2	Selenium	2.91		mg/kg dry	1.11	1.11	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:45	08/13/2016 02:44	KV
7440-22-4	Silver	ND		mg/kg dry	0.556	0.556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:45	08/13/2016 02:44	KV
7440-23-5	Sodium	2010		mg/kg dry	11.1	11.1	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 12:45	08/13/2016 02:44	KV
7440-28-0	Thallium	ND		mg/kg dry	1.11	1.11	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:45	08/13/2016 02:44	KV
7440-62-2	Vanadium	27.1		mg/kg dry	1.11	1.11	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:45	08/13/2016 02:44	KV
7440-66-6	Zinc	86.1		mg/kg dry	1.11	1.11	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:45	08/13/2016 02:44	KV

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.943		mg/kg dry	0.0334	0.0334	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	08/12/2016 06:25	08/12/2016 15:13	ALD

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	89.9		%	0.100	0.100	1	SM 2540G Certifications: CTDOH	08/12/2016 14:31	08/15/2016 10:35	LAB

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.390	0.556	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	08/16/2016 07:50	08/16/2016 11:14	LAB

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst



Sample Information

Client Sample ID: SB-9 (4'-5')

York Sample ID: 16H0538-01

York Project (SDG) No.

16H0538

Client Project ID

1678 & 1700 Park Avenue

Matrix

Soil

Collection Date/Time

August 10, 2016 10:05 am

Date Received

08/11/2016

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	24.3		mg/kg	0.250	0.500	1	Calculation Certifications:	08/18/2016 15:12	08/18/2016 15:15	PAM

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.556	0.556	1	EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/18/2016 08:42	08/18/2016 14:04	AD

Sample Information

Client Sample ID: SB-9 (8'-9')

York Sample ID: 16H0538-02

York Project (SDG) No.

16H0538

Client Project ID

1678 & 1700 Park Avenue

Matrix

Soil

Collection Date/Time

August 10, 2016 10:20 am

Date Received

08/11/2016

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to 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	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/16/2016 13:21	08/16/2016 22:15	SS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:21	08/16/2016 22:15	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:21	08/16/2016 22:15	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/16/2016 13:21	08/16/2016 22:15	SS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:21	08/16/2016 22:15	SS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:21	08/16/2016 22:15	SS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:21	08/16/2016 22:15	SS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/16/2016 13:21	08/16/2016 22:15	SS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/16/2016 13:21	08/16/2016 22:15	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/16/2016 13:21	08/16/2016 22:15	SS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/16/2016 13:21	08/16/2016 22:15	SS



Sample Information

Client Sample ID: SB-9 (8'-9')

York Sample ID: 16H0538-02

York Project (SDG) No.

16H0538

Client Project ID

1678 & 1700 Park Avenue

Matrix

Soil

Collection Date/Time

August 10, 2016 10:20 am

Date Received

08/11/2016

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications:	08/16/2016 13:21 CTDOH,NELAC-NY10854,NJDEP	08/16/2016 22:15	SS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications:	08/16/2016 13:21 CTDOH,NELAC-NY10854,NJDEP	08/16/2016 22:15	SS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications:	08/16/2016 13:21 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 22:15	SS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications:	08/16/2016 13:21 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 22:15	SS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications:	08/16/2016 13:21 CTDOH,NELAC-NY10854,NJDEP	08/16/2016 22:15	SS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications:	08/16/2016 13:21 CTDOH,NELAC-NY10854,NJDEP	08/16/2016 22:15	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications:	08/16/2016 13:21 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 22:15	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications:	08/16/2016 13:21 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 22:15	SS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.041	0.082	1	EPA 8260C Certifications:	08/16/2016 13:21 NELAC-NY10854,NJDEP	08/16/2016 22:15	SS
78-93-3	2-Butanone	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications:	08/16/2016 13:21 CTDOH,NELAC-NY10854,NJDEP	08/16/2016 22:15	SS
591-78-6	2-Hexanone	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications:	08/16/2016 13:21 CTDOH,NELAC-NY10854,NJDEP	08/16/2016 22:15	SS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications:	08/16/2016 13:21 CTDOH,NELAC-NY10854,NJDEP	08/16/2016 22:15	SS
67-64-1	Acetone	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C Certifications:	08/16/2016 13:21 CTDOH,NELAC-NY10854,NJDEP	08/16/2016 22:15	SS
107-02-8	Acrolein	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C Certifications:	08/16/2016 13:21 CTDOH,NELAC-NY10854,NJDEP	08/16/2016 22:15	SS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications:	08/16/2016 13:21 CTDOH,NELAC-NY10854,NJDEP	08/16/2016 22:15	SS
71-43-2	Benzene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications:	08/16/2016 13:21 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 22:15	SS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications:	08/16/2016 13:21 NELAC-NY10854,NJDEP	08/16/2016 22:15	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications:	08/16/2016 13:21 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 22:15	SS
75-25-2	Bromoform	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications:	08/16/2016 13:21 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 22:15	SS
74-83-9	Bromomethane	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications:	08/16/2016 13:21 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 22:15	SS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications:	08/16/2016 13:21 CTDOH,NELAC-NY10854,NJDEP	08/16/2016 22:15	SS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications:	08/16/2016 13:21 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 22:15	SS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications:	08/16/2016 13:21 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 22:15	SS
75-00-3	Chloroethane	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications:	08/16/2016 13:21 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 22:15	SS



Sample Information

Client Sample ID: SB-9 (8'-9')

York Sample ID: 16H0538-02

York Project (SDG) No.

16H0538

Client Project ID

1678 & 1700 Park Avenue

Matrix

Soil

Collection Date/Time

August 10, 2016 10:20 am

Date Received

08/11/2016

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-66-3	Chloroform	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:21	08/16/2016 22:15	SS
74-87-3	Chloromethane	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:21	08/16/2016 22:15	SS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/16/2016 13:21	08/16/2016 22:15	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:21	08/16/2016 22:15	SS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/16/2016 13:21	08/16/2016 22:15	SS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:21	08/16/2016 22:15	SS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/16/2016 13:21	08/16/2016 22:15	SS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/16/2016 13:21	08/16/2016 22:15	SS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:21	08/16/2016 22:15	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/16/2016 13:21	08/16/2016 22:15	SS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/16/2016 13:21	08/16/2016 22:15	SS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/16/2016 13:21	08/16/2016 22:15	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/16/2016 13:21	08/16/2016 22:15	SS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/16/2016 13:21	08/16/2016 22:15	SS
75-09-2	Methylene chloride	0.0043	J	mg/kg dry	0.0041	0.0082	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:21	08/16/2016 22:15	SS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/16/2016 13:21	08/16/2016 22:15	SS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/16/2016 13:21	08/16/2016 22:15	SS
95-47-6	o-Xylene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854	08/16/2016 13:21	08/16/2016 22:15	SS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854	08/16/2016 13:21	08/16/2016 22:15	SS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/16/2016 13:21	08/16/2016 22:15	SS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/16/2016 13:21	08/16/2016 22:15	SS
100-42-5	Styrene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/16/2016 13:21	08/16/2016 22:15	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/16/2016 13:21	08/16/2016 22:15	SS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/16/2016 13:21	08/16/2016 22:15	SS



Sample Information

Client Sample ID: SB-9 (8'-9')

York Sample ID: 16H0538-02

York Project (SDG) No.

16H0538

Client Project ID

1678 & 1700 Park Avenue

Matrix

Soil

Collection Date/Time

August 10, 2016 10:20 am

Date Received

08/11/2016

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:21	08/16/2016 22:15	SS
108-88-3	Toluene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:21	08/16/2016 22:15	SS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/16/2016 13:21	08/16/2016 22:15	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:21	08/16/2016 22:15	SS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:21	08/16/2016 22:15	SS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:21	08/16/2016 22:15	SS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:21	08/16/2016 22:15	SS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0062	0.012	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:21	08/16/2016 22:15	SS
Surrogate Recoveries		Result		Acceptance Range							
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	106 %				77-125					
2037-26-5	Surrogate: Toluene-d8	99.5 %				85-120					
460-00-4	Surrogate: p-Bromofluorobenzene	97.1 %				76-130					

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1'-Biphenyl	ND		mg/kg dry	0.0691	0.138	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 20:45	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.138	0.275	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 20:45	KH
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0691	0.138	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 20:45	KH
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0691	0.138	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/16/2016 13:30	08/17/2016 20:45	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0691	0.138	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 20:45	KH
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0691	0.138	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/16/2016 13:30	08/17/2016 20:45	KH
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0691	0.138	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/16/2016 13:30	08/17/2016 20:45	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.138	0.275	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 20:45	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0691	0.138	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 20:45	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0691	0.138	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 20:45	KH



Sample Information

Client Sample ID: SB-9 (8'-9')

York Sample ID: 16H0538-02

York Project (SDG) No.

16H0538

Client Project ID

1678 & 1700 Park Avenue

Matrix

Soil

Collection Date/Time

August 10, 2016 10:20 am

Date Received

08/11/2016

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0691	0.138	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 20:45	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0691	0.138	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 20:45	KH
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.138	0.275	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 20:45	KH
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0691	0.138	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 20:45	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0691	0.138	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 20:45	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0691	0.138	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 20:45	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0691	0.138	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 20:45	KH
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0691	0.138	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 20:45	KH
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0691	0.138	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 20:45	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.138	0.275	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 20:45	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0691	0.138	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 20:45	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0691	0.138	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 20:45	KH
91-94-1	3,3'-Dichlorobenzidine	ND		mg/kg dry	0.0691	0.138	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 20:45	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.138	0.275	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 20:45	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.138	0.275	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 20:45	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0691	0.138	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 20:45	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0691	0.138	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 20:45	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0691	0.138	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 20:45	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0691	0.138	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 20:45	KH
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.138	0.275	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 20:45	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.138	0.275	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 20:45	KH
83-32-9	Acenaphthene	ND		mg/kg dry	0.0691	0.138	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 20:45	KH
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0691	0.138	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 20:45	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0691	0.138	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 20:45	KH



Sample Information

Client Sample ID: SB-9 (8'-9')

York Sample ID: 16H0538-02

York Project (SDG) No.

16H0538

Client Project ID

1678 & 1700 Park Avenue

Matrix

Soil

Collection Date/Time

August 10, 2016 10:20 am

Date Received

08/11/2016

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
62-53-3	Aniline	ND		mg/kg dry	0.276	0.552	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 20:45	KH
120-12-7	Anthracene	ND		mg/kg dry	0.0691	0.138	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 20:45	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0691	0.138	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 20:45	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0691	0.138	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 20:45	KH
92-87-5	Benzidine	ND		mg/kg dry	0.276	0.552	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	08/16/2016 13:30	08/17/2016 20:45	KH
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0691	0.138	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 20:45	KH
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0691	0.138	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 20:45	KH
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0691	0.138	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 20:45	KH
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0691	0.138	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 20:45	KH
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0691	0.138	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 20:45	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0691	0.138	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 20:45	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0691	0.138	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 20:45	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0691	0.138	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 20:45	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0691	0.138	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 20:45	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0691	0.138	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 20:45	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0691	0.138	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 20:45	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0691	0.138	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 20:45	KH
105-60-2	Caprolactam	ND		mg/kg dry	0.138	0.275	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 20:45	KH
86-74-8	Carbazole	ND		mg/kg dry	0.0691	0.138	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 20:45	KH
218-01-9	Chrysene	ND		mg/kg dry	0.0691	0.138	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 20:45	KH
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0691	0.138	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 20:45	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0691	0.138	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 20:45	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0691	0.138	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 20:45	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0691	0.138	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 20:45	KH



Sample Information

Client Sample ID: SB-9 (8'-9')

York Sample ID: 16H0538-02

York Project (SDG) No.

16H0538

Client Project ID

1678 & 1700 Park Avenue

Matrix

Soil

Collection Date/Time

August 10, 2016 10:20 am

Date Received

08/11/2016

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0691	0.138	2	EPA 8270D Certifications:	08/16/2016 13:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2016 20:45	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0691	0.138	2	EPA 8270D Certifications:	08/16/2016 13:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2016 20:45	KH
206-44-0	Fluoranthene	ND		mg/kg dry	0.0691	0.138	2	EPA 8270D Certifications:	08/16/2016 13:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2016 20:45	KH
86-73-7	Fluorene	ND		mg/kg dry	0.0691	0.138	2	EPA 8270D Certifications:	08/16/2016 13:30 NELAC-NY10854,NJDEP,PADEP	08/17/2016 20:45	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0691	0.138	2	EPA 8270D Certifications:	08/16/2016 13:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2016 20:45	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0691	0.138	2	EPA 8270D Certifications:	08/16/2016 13:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2016 20:45	KH
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0691	0.138	2	EPA 8270D Certifications:	08/16/2016 13:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2016 20:45	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0691	0.138	2	EPA 8270D Certifications:	08/16/2016 13:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2016 20:45	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0691	0.138	2	EPA 8270D Certifications:	08/16/2016 13:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2016 20:45	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0691	0.138	2	EPA 8270D Certifications:	08/16/2016 13:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2016 20:45	KH
91-20-3	Naphthalene	ND		mg/kg dry	0.0691	0.138	2	EPA 8270D Certifications:	08/16/2016 13:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2016 20:45	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0691	0.138	2	EPA 8270D Certifications:	08/16/2016 13:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2016 20:45	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0691	0.138	2	EPA 8270D Certifications:	08/16/2016 13:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2016 20:45	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0691	0.138	2	EPA 8270D Certifications:	08/16/2016 13:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2016 20:45	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0691	0.138	2	EPA 8270D Certifications:	08/16/2016 13:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2016 20:45	KH
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0691	0.138	2	EPA 8270D Certifications:	08/16/2016 13:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2016 20:45	KH
85-01-8	Phenanthrene	ND		mg/kg dry	0.0691	0.138	2	EPA 8270D Certifications:	08/16/2016 13:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2016 20:45	KH
108-95-2	Phenol	ND		mg/kg dry	0.0691	0.138	2	EPA 8270D Certifications:	08/16/2016 13:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2016 20:45	KH
129-00-0	Pyrene	ND		mg/kg dry	0.0691	0.138	2	EPA 8270D Certifications:	08/16/2016 13:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2016 20:45	KH
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: 2-Fluorophenol	66.9 %	20-108								
4165-62-2	Surrogate: Phenol-d5	78.0 %	23-114								
4165-60-0	Surrogate: Nitrobenzene-d5	66.4 %	22-108								
321-60-8	Surrogate: 2-Fluorobiphenyl	75.0 %	21-113								
118-79-6	Surrogate: 2,4,6-Tribromophenol	83.9 %	19-110								
1718-51-0	Surrogate: Terphenyl-d14	59.2 %	24-116								



Sample Information

Client Sample ID: SB-9 (8'-9')

York Sample ID: 16H0538-02

York Project (SDG) No.

16H0538

Client Project ID

1678 & 1700 Park Avenue

Matrix

Soil

Collection Date/Time

August 10, 2016 10:20 am

Date Received

08/11/2016

Pesticides, 8081 target list

Sample Prepared by Method: EPA 3550C

Log-in Notes:

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	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	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 09:20	08/17/2016 03:05	AMC
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00182	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 09:20	08/17/2016 03:05	AMC
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00182	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 09:20	08/17/2016 03:05	AMC
309-00-2	Aldrin	ND		mg/kg dry	0.00182	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 09:20	08/17/2016 03:05	AMC
319-84-6	alpha-BHC	ND		mg/kg dry	0.00182	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 09:20	08/17/2016 03:05	AMC
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00182	0.00182	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/15/2016 09:20	08/17/2016 03:05	AMC
319-85-7	beta-BHC	ND		mg/kg dry	0.00182	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 09:20	08/17/2016 03:05	AMC
57-74-9	Chlordane, total	ND		mg/kg dry	0.0727	0.0727	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 09:20	08/17/2016 03:05	AMC
319-86-8	delta-BHC	ND		mg/kg dry	0.00182	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 09:20	08/17/2016 03:05	AMC
60-57-1	Dieldrin	ND		mg/kg dry	0.00182	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 09:20	08/17/2016 03:05	AMC
959-98-8	Endosulfan I	ND		mg/kg dry	0.00182	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 09:20	08/17/2016 03:05	AMC
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00182	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 09:20	08/17/2016 03:05	AMC
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00182	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 09:20	08/17/2016 03:05	AMC
72-20-8	Endrin	ND		mg/kg dry	0.00182	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 09:20	08/17/2016 03:05	AMC
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00182	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 09:20	08/17/2016 03:05	AMC
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00182	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 09:20	08/17/2016 03:05	AMC
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00182	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 09:20	08/17/2016 03:05	AMC
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00182	0.00182	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/15/2016 09:20	08/17/2016 03:05	AMC
76-44-8	Heptachlor	ND		mg/kg dry	0.00182	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 09:20	08/17/2016 03:05	AMC
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00182	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 09:20	08/17/2016 03:05	AMC
72-43-5	Methoxychlor	ND		mg/kg dry	0.00909	0.00909	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 09:20	08/17/2016 03:05	AMC
8001-35-2	Toxaphene	ND		mg/kg dry	0.0920	0.0920	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 09:20	08/17/2016 03:05	AMC
Surrogate Recoveries		Result	Acceptance Range								
2051-24-3	Surrogate: Decachlorobiphenyl	51.9 %	30-140								



Sample Information

Client Sample ID: SB-9 (8'-9')

York Sample ID: 16H0538-02

York Project (SDG) No.

16H0538

Client Project ID

1678 & 1700 Park Avenue

Matrix

Soil

Collection Date/Time

August 10, 2016 10:20 am

Date Received

08/11/2016

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
877-09-8	Surrogate: Tetrachloro-m-xylene	58.9 %			30-140						

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0183	0.0183	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2016 09:20	08/17/2016 22:05	AMC
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0183	0.0183	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2016 09:20	08/17/2016 22:05	AMC
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0183	0.0183	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2016 09:20	08/17/2016 22:05	AMC
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0183	0.0183	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2016 09:20	08/17/2016 22:05	AMC
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0183	0.0183	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2016 09:20	08/17/2016 22:05	AMC
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0183	0.0183	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2016 09:20	08/17/2016 22:05	AMC
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0183	0.0183	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2016 09:20	08/17/2016 22:05	AMC
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0183	0.0183	1	EPA 8082A Certifications:	08/15/2016 09:20	08/17/2016 22:05	AMC

Surrogate Recoveries

Result

Acceptance Range

877-09-8 Surrogate: Tetrachloro-m-xylene

79.0 %

30-140

2051-24-3 Surrogate: Decachlorobiphenyl

67.5 %

30-140

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	8470		mg/kg dry	5.51	5.51	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:45	08/13/2016 02:58	KV
7440-36-0	Antimony	ND		mg/kg dry	0.551	0.551	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:45	08/13/2016 02:58	KV
7440-38-2	Arsenic	2.56		mg/kg dry	1.10	1.10	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:45	08/13/2016 02:58	KV
7440-39-3	Barium	51.0		mg/kg dry	1.10	1.10	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:45	08/13/2016 02:58	KV
7440-41-7	Beryllium	ND		mg/kg dry	0.110	0.110	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:45	08/13/2016 02:58	KV
7440-43-9	Cadmium	0.348		mg/kg dry	0.330	0.330	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:45	08/13/2016 02:58	KV
7440-70-2	Calcium	23500		mg/kg dry	0.551	5.51	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:45	08/13/2016 02:58	KV



Sample Information

Client Sample ID: SB-9 (8'-9')

York Sample ID: 16H0538-02

York Project (SDG) No.

16H0538

Client Project ID

1678 & 1700 Park Avenue

Matrix

Soil

Collection Date/Time

August 10, 2016 10:20 am

Date Received

08/11/2016

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-47-3	Chromium	16.7		mg/kg dry	0.551	0.551	1	EPA 6010C	08/12/2016 12:45	08/13/2016 02:58	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	Cobalt	8.12		mg/kg dry	0.551	0.551	1	EPA 6010C	08/12/2016 12:45	08/13/2016 02:58	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	Copper	20.6		mg/kg dry	0.551	0.551	1	EPA 6010C	08/12/2016 12:45	08/13/2016 02:58	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	Iron	16300		mg/kg dry	2.20	2.20	1	EPA 6010C	08/12/2016 12:45	08/13/2016 02:58	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	Lead	11.4		mg/kg dry	0.330	0.330	1	EPA 6010C	08/12/2016 12:45	08/13/2016 02:58	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	Magnesium	17400		mg/kg dry	5.51	5.51	1	EPA 6010C	08/12/2016 12:45	08/13/2016 02:58	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	Manganese	228		mg/kg dry	0.551	0.551	1	EPA 6010C	08/12/2016 12:45	08/13/2016 02:58	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	Nickel	16.9		mg/kg dry	0.551	0.551	1	EPA 6010C	08/12/2016 12:45	08/13/2016 02:58	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	Potassium	1900		mg/kg dry	5.51	5.51	1	EPA 6010C	08/12/2016 12:45	08/13/2016 02:58	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	2.01		mg/kg dry	1.10	1.10	1	EPA 6010C	08/12/2016 12:45	08/13/2016 02:58	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.551	0.551	1	EPA 6010C	08/12/2016 12:45	08/13/2016 02:58	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	Sodium	1580		mg/kg dry	11.0	11.0	1	EPA 6010C	08/12/2016 12:45	08/13/2016 02:58	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
7440-28-0	Thallium	ND		mg/kg dry	1.10	1.10	1	EPA 6010C	08/12/2016 12:45	08/13/2016 02:58	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	Vanadium	26.2		mg/kg dry	1.10	1.10	1	EPA 6010C	08/12/2016 12:45	08/13/2016 02:58	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	Zinc	46.3		mg/kg dry	1.10	1.10	1	EPA 6010C	08/12/2016 12:45	08/13/2016 02:58	KV
								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	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0330	0.0330	1	EPA 7473	08/12/2016 06:25	08/12/2016 15:25	ALD
								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	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst



Sample Information

Client Sample ID: SB-9 (8'-9')

York Sample ID: 16H0538-02

York Project (SDG) No.
16H0538

Client Project ID
1678 &1700 Park Avenue

Matrix
Soil

Collection Date/Time
August 10, 2016 10:20 am

Date Received
08/11/2016

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	90.8		%	0.100	0.100	1	SM 2540G Certifications: CTDOH	08/12/2016 14:31	08/15/2016 10:35	LAB

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.385	0.551	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	08/16/2016 07:50	08/16/2016 11:14	LAB

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	16.7		mg/kg	0.250	0.500	1	Calculation Certifications:	08/18/2016 15:12	08/18/2016 15:15	PAM

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.551	0.551	1	EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/18/2016 08:42	08/18/2016 14:04	AD

Sample Information

Client Sample ID: TW-2

York Sample ID: 16H0538-03

York Project (SDG) No.
16H0538

Client Project ID
1678 &1700 Park Avenue

Matrix
Water

Collection Date/Time
August 10, 2016 11:20 am

Date Received
08/11/2016

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/15/2016 08:30	08/15/2016 14:00	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/15/2016 08:30	08/15/2016 14:00	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/15/2016 08:30	08/15/2016 14:00	SS



Sample Information

Client Sample ID: TW-2

York Sample ID: 16H0538-03

York Project (SDG) No.

16H0538

Client Project ID

1678 & 1700 Park Avenue

Matrix

Water

Collection Date/Time

August 10, 2016 11:20 am

Date Received

08/11/2016

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/15/2016 08:30 CTDOH,NELAC-NY10854,NJDEP	08/15/2016 14:00	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/15/2016 08:30 CTDOH,NELAC-NY10854,NJDEP	08/15/2016 14:00	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/15/2016 08:30 CTDOH,NELAC-NY10854,NJDEP	08/15/2016 14:00	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/15/2016 08:30 CTDOH,NELAC-NY10854,NJDEP	08/15/2016 14:00	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/15/2016 08:30 NELAC-NY10854,NJDEP	08/15/2016 14:00	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/15/2016 08:30 NELAC-NY10854,NJDEP	08/15/2016 14:00	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/15/2016 08:30 NELAC-NY10854,NJDEP	08/15/2016 14:00	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/15/2016 08:30 CTDOH,NELAC-NY10854,NJDEP	08/15/2016 14:00	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	2.0	1	EPA 8260C Certifications:	08/15/2016 08:30 CTDOH,NELAC-NY10854,NJDEP	08/15/2016 14:00	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/15/2016 08:30 CTDOH,NELAC-NY10854,NJDEP	08/15/2016 14:00	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/15/2016 08:30 CTDOH,NELAC-NY10854,NJDEP	08/15/2016 14:00	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/15/2016 08:30 CTDOH,NELAC-NY10854,NJDEP	08/15/2016 14:00	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/15/2016 08:30 CTDOH,NELAC-NY10854,NJDEP	08/15/2016 14:00	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/15/2016 08:30 CTDOH,NELAC-NY10854,NJDEP	08/15/2016 14:00	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/15/2016 08:30 CTDOH,NELAC-NY10854,NJDEP	08/15/2016 14:00	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/15/2016 08:30 CTDOH,NELAC-NY10854,NJDEP	08/15/2016 14:00	SS
123-91-1	1,4-Dioxane	ND		ug/L	40	80	1	EPA 8260C Certifications:	08/15/2016 08:30 NELAC-NY10854,NJDEP	08/15/2016 14:00	SS
78-93-3	2-Butanone	ND		ug/L	0.20	2.0	1	EPA 8260C Certifications:	08/15/2016 08:30 CTDOH,NELAC-NY10854,NJDEP	08/15/2016 14:00	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	2.0	1	EPA 8260C Certifications:	08/15/2016 08:30 CTDOH,NELAC-NY10854,NJDEP	08/15/2016 14:00	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/15/2016 08:30 CTDOH,NELAC-NY10854,NJDEP	08/15/2016 14:00	SS
67-64-1	Acetone	3.4	SCAL- E	ug/L	1.0	2.0	1	EPA 8260C Certifications:	08/15/2016 08:30 CTDOH,NELAC-NY10854,NJDEP	08/15/2016 14:00	SS
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/15/2016 08:30 CTDOH,NELAC-NY10854,NJDEP	08/15/2016 14:00	SS
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/15/2016 08:30 CTDOH,NELAC-NY10854,NJDEP	08/15/2016 14:00	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/15/2016 08:30 CTDOH,NELAC-NY10854,NJDEP	08/15/2016 14:00	SS



Sample Information

Client Sample ID: TW-2

York Sample ID: 16H0538-03

York Project (SDG) No.

16H0538

Client Project ID

1678 & 1700 Park Avenue

Matrix

Water

Collection Date/Time

August 10, 2016 11:20 am

Date Received

08/11/2016

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/15/2016 08:30	08/15/2016 14:00	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/15/2016 08:30	08/15/2016 14:00	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/15/2016 08:30	08/15/2016 14:00	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/15/2016 08:30	08/15/2016 14:00	SS
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/15/2016 08:30	08/15/2016 14:00	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/15/2016 08:30	08/15/2016 14:00	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/15/2016 08:30	08/15/2016 14:00	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/15/2016 08:30	08/15/2016 14:00	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/15/2016 08:30	08/15/2016 14:00	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/15/2016 08:30	08/15/2016 14:00	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/15/2016 08:30	08/15/2016 14:00	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/15/2016 08:30	08/15/2016 14:00	SS
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/15/2016 08:30	08/15/2016 14:00	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/15/2016 08:30	08/15/2016 14:00	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/15/2016 08:30	08/15/2016 14:00	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/15/2016 08:30	08/15/2016 14:00	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/15/2016 08:30	08/15/2016 14:00	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/15/2016 08:30	08/15/2016 14:00	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/15/2016 08:30	08/15/2016 14:00	SS
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/15/2016 08:30	08/15/2016 14:00	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/15/2016 08:30	08/15/2016 14:00	SS
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/15/2016 08:30	08/15/2016 14:00	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/15/2016 08:30	08/15/2016 14:00	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/15/2016 08:30	08/15/2016 14:00	SS



Sample Information

Client Sample ID: TW-2

York Sample ID: 16H0538-03

York Project (SDG) No.

16H0538

Client Project ID

1678 & 1700 Park Avenue

Matrix

Water

Collection Date/Time

August 10, 2016 11:20 am

Date Received

08/11/2016

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/15/2016 08:30	08/15/2016 14:00	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854	08/15/2016 08:30	08/15/2016 14:00	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: NELAC-NY10854	08/15/2016 08:30	08/15/2016 14:00	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/15/2016 08:30	08/15/2016 14:00	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/15/2016 08:30	08/15/2016 14:00	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/15/2016 08:30	08/15/2016 14:00	SS
75-65-0	tert-Butyl alcohol (TBA)	5.0		ug/L	0.50	2.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/15/2016 08:30	08/15/2016 14:00	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/15/2016 08:30	08/15/2016 14:00	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/15/2016 08:30	08/15/2016 14:00	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/15/2016 08:30	08/15/2016 14:00	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/15/2016 08:30	08/15/2016 14:00	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/15/2016 08:30	08/15/2016 14:00	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/15/2016 08:30	08/15/2016 14:00	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/15/2016 08:30	08/15/2016 14:00	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/15/2016 08:30	08/15/2016 14:00	SS
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NJDEP	08/15/2016 08:30	08/15/2016 14:00	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	97.7 %	69-130								
2037-26-5	Surrogate: Toluene-d8	97.1 %	81-117								
460-00-4	Surrogate: p-Bromofluorobenzene	94.0 %	79-122								

Semi-Volatiles, 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	08/16/2016 14:23	08/17/2016 14:22	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2016 14:23	08/17/2016 14:22	KH



Sample Information

Client Sample ID: TW-2

York Sample ID: 16H0538-03

York Project (SDG) No.

16H0538

Client Project ID

1678 & 1700 Park Avenue

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August 10, 2016 11:20 am

Date Received

08/11/2016

Semi-Volatiles, 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
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2016 14:23	08/17/2016 14:22	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2016 14:23	08/17/2016 14:22	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 14:23	08/17/2016 14:22	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 14:23	08/17/2016 14:22	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 14:23	08/17/2016 14:22	KH
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 14:23	08/17/2016 14:22	KH
105-67-9	2,4-Dimethylphenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 14:23	08/17/2016 14:22	KH
51-28-5	2,4-Dinitrophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 14:23	08/17/2016 14:22	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 14:23	08/17/2016 14:22	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/16/2016 14:23	08/17/2016 14:22	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 14:23	08/17/2016 14:22	KH
91-58-7	2-Chloronaphthalene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 14:23	08/17/2016 14:22	KH
95-57-8	2-Chlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 14:23	08/17/2016 14:22	KH
91-57-6	2-Methylnaphthalene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 14:23	08/17/2016 14:22	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/16/2016 14:23	08/17/2016 14:22	KH
95-48-7	2-Methylphenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 14:23	08/17/2016 14:22	KH
88-74-4	2-Nitroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 14:23	08/17/2016 14:22	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/16/2016 14:23	08/17/2016 14:22	KH
88-75-5	2-Nitrophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 14:23	08/17/2016 14:22	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 14:23	08/17/2016 14:22	KH
91-94-1	3,3'-Dichlorobenzidine	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 14:23	08/17/2016 14:22	KH
99-09-2	3-Nitroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 14:23	08/17/2016 14:22	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 14:23	08/17/2016 14:22	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 14:23	08/17/2016 14:22	KH



Sample Information

Client Sample ID: TW-2

York Sample ID: 16H0538-03

York Project (SDG) No.
16H0538

Client Project ID
1678 & 1700 Park Avenue

Matrix
Water

Collection Date/Time
August 10, 2016 11:20 am

Date Received
08/11/2016

Semi-Volatiles, 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	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 14:23	08/17/2016 14:22	KH
106-47-8	4-Chloroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 14:23	08/17/2016 14:22	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 14:23	08/17/2016 14:22	KH
100-01-6	4-Nitroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 14:23	08/17/2016 14:22	KH
100-02-7	4-Nitrophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 14:23	08/17/2016 14:22	KH
83-32-9	Acenaphthene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 14:23	08/17/2016 12:44	SR
208-96-8	Acenaphthylene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 14:23	08/17/2016 12:44	SR
98-86-2	Acetophenone	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2016 14:23	08/17/2016 14:22	KH
62-53-3	Aniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2016 14:23	08/17/2016 14:22	KH
120-12-7	Anthracene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 14:23	08/17/2016 12:44	SR
1912-24-9	Atrazine	ND		ug/L	0.513	0.513	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2016 14:23	08/17/2016 12:44	SR
100-52-7	Benzaldehyde	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2016 14:23	08/17/2016 14:22	KH
92-87-5	Benzidine	ND		ug/L	10.3	20.5	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 14:23	08/17/2016 14:22	KH
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 14:23	08/17/2016 12:44	SR
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 14:23	08/17/2016 12:44	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 14:23	08/17/2016 12:44	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 14:23	08/17/2016 12:44	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 14:23	08/17/2016 12:44	SR
65-85-0	Benzoic acid	ND		ug/L	25.6	51.3	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2016 14:23	08/17/2016 14:22	KH
100-51-6	Benzyl alcohol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2016 14:23	08/17/2016 14:22	KH
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 14:23	08/17/2016 14:22	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 14:23	08/17/2016 14:22	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 14:23	08/17/2016 14:22	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 14:23	08/17/2016 14:22	KH



Sample Information

Client Sample ID: TW-2

York Sample ID: 16H0538-03

York Project (SDG) No.

16H0538

Client Project ID

1678 & 1700 Park Avenue

Matrix

Water

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August 10, 2016 11:20 am

Date Received

08/11/2016

Semi-Volatiles, 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
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	0.513	0.513	1	EPA 8270D Certifications:	08/16/2016 14:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2016 12:44	SR
105-60-2	Caprolactam	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	08/16/2016 14:23 NELAC-NY10854,NJDEP,PADEP	08/17/2016 14:22	KH
86-74-8	Carbazole	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	08/16/2016 14:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2016 14:22	KH
87-68-3	Hexachlorobutadiene	ND		ug/L	0.513	0.513	1	EPA 8270D Certifications:	08/16/2016 14:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2016 12:44	SR
218-01-9	Chrysene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications:	08/16/2016 14:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2016 12:44	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications:	08/16/2016 14:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2016 12:44	SR
132-64-9	Dibenzofuran	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	08/16/2016 14:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2016 14:22	KH
84-66-2	Diethyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	08/16/2016 14:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2016 14:22	KH
131-11-3	Dimethyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	08/16/2016 14:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2016 14:22	KH
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	08/16/2016 14:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2016 14:22	KH
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	08/16/2016 14:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2016 14:22	KH
91-20-3	Naphthalene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications:	08/16/2016 14:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2016 12:44	SR
206-44-0	Fluoranthene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications:	08/16/2016 14:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2016 12:44	SR
86-73-7	Fluorene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications:	08/16/2016 14:23 NELAC-NY10854,NJDEP,PADEP	08/17/2016 12:44	SR
118-74-1	Hexachlorobenzene	ND		ug/L	0.0205	0.0205	1	EPA 8270D Certifications:	08/16/2016 14:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2016 12:44	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	08/16/2016 14:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2016 14:22	KH
67-72-1	Hexachloroethane	ND		ug/L	0.513	0.513	1	EPA 8270D Certifications:	08/16/2016 14:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2016 12:44	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications:	08/16/2016 14:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2016 12:44	SR
78-59-1	Isophorone	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	08/16/2016 14:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2016 14:22	KH
98-95-3	Nitrobenzene	ND		ug/L	0.256	0.256	1	EPA 8270D Certifications:	08/16/2016 14:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2016 12:44	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.513	0.513	1	EPA 8270D Certifications:	08/16/2016 14:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2016 12:44	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	08/16/2016 14:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2016 14:22	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	08/16/2016 14:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2016 14:22	KH
87-86-5	Pentachlorophenol	ND		ug/L	0.256	0.256	1	EPA 8270D Certifications:	08/16/2016 14:23 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2016 12:44	SR



Sample Information

Client Sample ID: TW-2

York Sample ID: 16H0538-03

York Project (SDG) No.

16H0538

Client Project ID

1678 & 1700 Park Avenue

Matrix

Water

Collection Date/Time

August 10, 2016 11:20 am

Date Received

08/11/2016

Semi-Volatiles, 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
85-01-8	Phenanthrene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 14:23	08/17/2016 12:44	SR
108-95-2	Phenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 14:23	08/17/2016 14:22	KH
129-00-0	Pyrene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 14:23	08/17/2016 12:44	SR
Surrogate Recoveries		Result			Acceptance Range						
367-12-4	Surrogate: 2-Fluorophenol	18.2 %			12-64						
4165-62-2	Surrogate: Phenol-d5	12.2 %			10-82						
4165-60-0	Surrogate: Nitrobenzene-d5	50.0 %			12-96						
321-60-8	Surrogate: 2-Fluorobiphenyl	54.5 %			16-84						
118-79-6	Surrogate: 2,4,6-Tribromophenol	72.1 %			15-104						
1718-51-0	Surrogate: Terphenyl-d14	45.3 %			15-106						

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/L	0.00444	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 16:39	08/17/2016 10:05	AMC
72-55-9	4,4'-DDE	ND		ug/L	0.00444	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 16:39	08/17/2016 10:05	AMC
50-29-3	4,4'-DDT	ND		ug/L	0.00444	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 16:39	08/17/2016 10:05	AMC
309-00-2	Aldrin	ND		ug/L	0.00444	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 16:39	08/17/2016 10:05	AMC
319-84-6	alpha-BHC	ND		ug/L	0.00444	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 16:39	08/17/2016 10:05	AMC
5103-71-9	alpha-Chlordane	ND		ug/L	0.00444	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 16:39	08/17/2016 10:05	AMC
319-85-7	beta-BHC	ND		ug/L	0.00444	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 16:39	08/17/2016 10:05	AMC
57-74-9	Chlordane, total	ND		ug/L	0.0444	0.0444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 16:39	08/17/2016 10:05	AMC
319-86-8	delta-BHC	ND		ug/L	0.00444	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 16:39	08/17/2016 10:05	AMC
60-57-1	Dieldrin	ND		ug/L	0.00222	0.00222	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 16:39	08/17/2016 10:05	AMC
959-98-8	Endosulfan I	ND		ug/L	0.00444	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 16:39	08/17/2016 10:05	AMC
33213-65-9	Endosulfan II	ND		ug/L	0.00444	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 16:39	08/17/2016 10:05	AMC
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00444	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 16:39	08/17/2016 10:05	AMC



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Client Project ID

1678 & 1700 Park Avenue

Matrix

Water

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Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-20-8	Endrin	ND		ug/L	0.00444	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 16:39	08/17/2016 10:05	AMC
7421-93-4	Endrin aldehyde	ND		ug/L	0.0111	0.0111	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 16:39	08/17/2016 10:05	AMC
53494-70-5	Endrin ketone	ND		ug/L	0.0111	0.0111	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 16:39	08/17/2016 10:05	AMC
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00444	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 16:39	08/17/2016 10:05	AMC
5566-34-7	gamma-Chlordane	ND		ug/L	0.0111	0.0111	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 16:39	08/17/2016 10:05	AMC
76-44-8	Heptachlor	ND		ug/L	0.00444	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 16:39	08/17/2016 10:05	AMC
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00444	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 16:39	08/17/2016 10:05	AMC
72-43-5	Methoxychlor	ND		ug/L	0.00444	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 16:39	08/17/2016 10:05	AMC
8001-35-2	Toxaphene	ND		ug/L	0.111	0.111	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 16:39	08/17/2016 10:05	AMC
Surrogate Recoveries		Result			Acceptance Range						
2051-24-3	Surrogate: Decachlorobiphenyl	54.1 %			30-120						
877-09-8	Surrogate: Tetrachloro-m-xylene	55.9 %			30-120						

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		ug/L	0.0556	0.0556	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2016 16:30	08/18/2016 17:10	AMC
11104-28-2	Aroclor 1221	ND		ug/L	0.0556	0.0556	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2016 16:30	08/18/2016 17:10	AMC
11141-16-5	Aroclor 1232	ND		ug/L	0.0556	0.0556	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2016 16:30	08/18/2016 17:10	AMC
53469-21-9	Aroclor 1242	ND		ug/L	0.0556	0.0556	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2016 16:30	08/18/2016 17:10	AMC
12672-29-6	Aroclor 1248	ND		ug/L	0.0556	0.0556	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2016 16:30	08/18/2016 17:10	AMC
11097-69-1	Aroclor 1254	ND		ug/L	0.0556	0.0556	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2016 16:30	08/18/2016 17:10	AMC
11096-82-5	Aroclor 1260	ND		ug/L	0.0556	0.0556	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2016 16:30	08/18/2016 17:10	AMC
1336-36-3	* Total PCBs	ND		ug/L	0.0556	0.0556	1	EPA 8082A Certifications:	08/15/2016 16:30	08/18/2016 17:10	AMC
Surrogate Recoveries		Result			Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	78.0 %			30-120						
2051-24-3	Surrogate: Decachlorobiphenyl	95.5 %			30-120						



Sample Information

Client Sample ID: TW-2

York Sample ID: 16H0538-03

York Project (SDG) No.
16H0538

Client Project ID
1678 & 1700 Park Avenue

Matrix
Water

Collection Date/Time
August 10, 2016 11:20 am

Date Received
08/11/2016

Metals, Target Analyte, ICP

Sample Prepared by Method: EPA 3015A

Log-in Notes:

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	1130		ug/L	55.6	55.6	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:56	08/12/2016 18:36	KV
7440-39-3	Barium	127		ug/L	11.1	11.1	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:56	08/12/2016 18:36	KV
7440-70-2	Calcium	734000		ug/L	55.6	55.6	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:56	08/12/2016 18:36	KV
7440-47-3	Chromium	ND		ug/L	5.56	5.56	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:56	08/12/2016 18:36	KV
7440-50-8	Copper	52.8		ug/L	3.33	3.33	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:56	08/12/2016 18:36	KV
7439-89-6	Iron	3230		ug/L	22.2	22.2	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:56	08/12/2016 18:36	KV
7439-92-1	Lead	16.2		ug/L	3.33	3.33	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:56	08/12/2016 18:36	KV
7439-95-4	Magnesium	243000		ug/L	55.6	55.6	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:56	08/12/2016 18:36	KV
7439-96-5	Manganese	2300		ug/L	5.56	5.56	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:56	08/12/2016 18:36	KV
7440-02-0	Nickel	11.9		ug/L	5.56	5.56	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:56	08/12/2016 18:36	KV
7440-09-7	Potassium	60000		ug/L	55.6	55.6	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:56	08/12/2016 18:36	KV
7782-49-2	Selenium	24.6		ug/L	11.1	11.1	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:56	08/12/2016 18:36	KV
7440-22-4	Silver	ND		ug/L	5.56	5.56	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:56	08/12/2016 18:36	KV
7440-23-5	Sodium	828000		ug/L	111	111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:56	08/12/2016 18:36	KV
7440-62-2	Vanadium	ND		ug/L	11.1	11.1	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:56	08/12/2016 18:36	KV
7440-66-6	Zinc	127		ug/L	11.1	11.1	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:56	08/12/2016 18:36	KV

Metals, Target Analyte, ICP Dissolved

Sample Prepared by Method: EPA 200.7

Log-in Notes:

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	ND		ug/L	55.6	55.6	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 11:07	08/15/2016 15:06	KV
7440-39-3	Barium	31.1		ug/L	11.1	11.1	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 11:07	08/15/2016 15:06	KV
7440-70-2	Calcium	316000		ug/L	55.6	55.6	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 11:07	08/15/2016 15:06	KV



Sample Information

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Matrix
Water

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August 10, 2016 11:20 am

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Metals, Target Analyte, ICP Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 200.7

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-47-3	Chromium	ND		ug/L	5.56	5.56	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 11:07	08/15/2016 15:06	KV
7440-50-8	Copper	12.6		ug/L	3.33	3.33	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 11:07	08/15/2016 15:06	KV
7439-89-6	Iron	ND		ug/L	22.2	22.2	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 11:07	08/15/2016 15:06	KV
7439-92-1	Lead	ND		ug/L	3.33	3.33	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 11:07	08/15/2016 15:06	KV
7439-95-4	Magnesium	162000		ug/L	55.6	55.6	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 11:07	08/15/2016 15:06	KV
7439-96-5	Manganese	17.8		ug/L	5.56	5.56	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 11:07	08/15/2016 15:06	KV
7440-02-0	Nickel	8.13		ug/L	5.56	5.56	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 11:07	08/15/2016 15:06	KV
7440-09-7	Potassium	48900		ug/L	55.6	55.6	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 11:07	08/15/2016 15:06	KV
7782-49-2	Selenium	14.2		ug/L	11.1	11.1	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 11:07	08/15/2016 15:06	KV
7440-22-4	Silver	ND		ug/L	5.56	5.56	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 11:07	08/15/2016 15:06	KV
7440-23-5	Sodium	1330000		ug/L	11100	11100	100	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 11:07	08/16/2016 09:28	KV
7440-62-2	Vanadium	ND		ug/L	11.1	11.1	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 11:07	08/15/2016 15:06	KV
7440-66-6	Zinc	ND		ug/L	11.1	11.1	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 11:07	08/15/2016 15:06	KV

Metals, Target Analyte, ICPMS

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-36-0	Antimony	3.24		ug/L	2.22	2.22	2	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 10:10	08/14/2016 03:17	ALD
7440-38-2	Arsenic	ND		ug/L	2.22	2.22	2	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 10:10	08/14/2016 03:17	ALD
7440-41-7	Beryllium	ND		ug/L	0.667	0.667	2	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 10:10	08/14/2016 03:17	ALD
7440-43-9	Cadmium	ND		ug/L	1.11	1.11	2	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 10:10	08/14/2016 03:17	ALD
7439-98-7	Molybdenum	4.73		ug/L	2.22	2.22	2	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 10:10	08/14/2016 03:17	ALD
7440-28-0	Thallium	ND		ug/L	2.22	2.22	2	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 10:10	08/14/2016 03:17	ALD

Metals, Target Analyte, ICPMS Dissolved

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: TW-2

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York Project (SDG) No.
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Matrix
Water

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Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-36-0	Antimony	ND		ug/L	2.22	2.22	2	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 10:12	08/14/2016 02:30	ALD
7440-38-2	Arsenic	ND		ug/L	2.22	2.22	2	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 10:12	08/14/2016 02:30	ALD
7440-41-7	Beryllium	ND		ug/L	0.222	0.222	2	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 10:12	08/14/2016 02:30	ALD
7440-43-9	Cadmium	ND		ug/L	1.11	1.11	2	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 10:12	08/14/2016 02:30	ALD
7439-98-7	Molybdenum	5.40		ug/L	2.22	2.22	2	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 10:12	08/14/2016 02:30	ALD
7440-28-0	Thallium	ND		ug/L	2.22	2.22	2	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 10:12	08/14/2016 02:30	ALD

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 water

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.00020	0.00020	1	EPA 7473 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 06:28	08/15/2016 13:42	ALD

Mercury by 7473, Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 water

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		ug/L	0.20	0.20	1	EPA 7473 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 06:28	08/15/2016 13:42	ALD

Sample Information

Client Sample ID: SB-8 (1'-2')

York Sample ID: 16H0538-04

York Project (SDG) No.
16H0538

Client Project ID
1678 & 1700 Park Avenue

Matrix
Soil

Collection Date/Time
August 10, 2016 1:40 pm

Date Received
08/11/2016

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/16/2016 13:21	08/16/2016 22:49	SS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:21	08/16/2016 22:49	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:21	08/16/2016 22:49	SS



Sample Information

Client Sample ID: SB-8 (1'-2')

York Sample ID: 16H0538-04

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1678 & 1700 Park Avenue

Matrix

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August 10, 2016 1:40 pm

Date Received

08/11/2016

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications:	08/16/2016 13:21 CTDOH,NELAC-NY10854,NJDEP	08/16/2016 22:49	SS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications:	08/16/2016 13:21 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 22:49	SS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications:	08/16/2016 13:21 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 22:49	SS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications:	08/16/2016 13:21 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 22:49	SS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications:	08/16/2016 13:21 NELAC-NY10854,NJDEP	08/16/2016 22:49	SS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications:	08/16/2016 13:21 NELAC-NY10854,NJDEP	08/16/2016 22:49	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications:	08/16/2016 13:21 NELAC-NY10854,NJDEP	08/16/2016 22:49	SS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications:	08/16/2016 13:21 CTDOH,NELAC-NY10854,NJDEP	08/16/2016 22:49	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications:	08/16/2016 13:21 CTDOH,NELAC-NY10854,NJDEP	08/16/2016 22:49	SS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications:	08/16/2016 13:21 CTDOH,NELAC-NY10854,NJDEP	08/16/2016 22:49	SS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications:	08/16/2016 13:21 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 22:49	SS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications:	08/16/2016 13:21 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 22:49	SS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications:	08/16/2016 13:21 CTDOH,NELAC-NY10854,NJDEP	08/16/2016 22:49	SS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications:	08/16/2016 13:21 CTDOH,NELAC-NY10854,NJDEP	08/16/2016 22:49	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications:	08/16/2016 13:21 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 22:49	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications:	08/16/2016 13:21 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 22:49	SS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.065	0.13	1	EPA 8260C Certifications:	08/16/2016 13:21 NELAC-NY10854,NJDEP	08/16/2016 22:49	SS
78-93-3	2-Butanone	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications:	08/16/2016 13:21 CTDOH,NELAC-NY10854,NJDEP	08/16/2016 22:49	SS
591-78-6	2-Hexanone	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications:	08/16/2016 13:21 CTDOH,NELAC-NY10854,NJDEP	08/16/2016 22:49	SS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications:	08/16/2016 13:21 CTDOH,NELAC-NY10854,NJDEP	08/16/2016 22:49	SS
67-64-1	Acetone	0.014	CCV-E	mg/kg dry	0.0065	0.013	1	EPA 8260C Certifications:	08/16/2016 13:21 CTDOH,NELAC-NY10854,NJDEP	08/16/2016 22:49	SS
107-02-8	Acrolein	ND		mg/kg dry	0.0065	0.013	1	EPA 8260C Certifications:	08/16/2016 13:21 CTDOH,NELAC-NY10854,NJDEP	08/16/2016 22:49	SS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications:	08/16/2016 13:21 CTDOH,NELAC-NY10854,NJDEP	08/16/2016 22:49	SS
71-43-2	Benzene	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications:	08/16/2016 13:21 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 22:49	SS



Sample Information

Client Sample ID: SB-8 (1'-2')

York Sample ID: 16H0538-04

York Project (SDG) No.

16H0538

Client Project ID

1678 & 1700 Park Avenue

Matrix

Soil

Collection Date/Time

August 10, 2016 1:40 pm

Date Received

08/11/2016

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/16/2016 13:21	08/16/2016 22:49	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:21	08/16/2016 22:49	SS
75-25-2	Bromoform	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:21	08/16/2016 22:49	SS
74-83-9	Bromomethane	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:21	08/16/2016 22:49	SS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/16/2016 13:21	08/16/2016 22:49	SS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:21	08/16/2016 22:49	SS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:21	08/16/2016 22:49	SS
75-00-3	Chloroethane	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:21	08/16/2016 22:49	SS
67-66-3	Chloroform	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:21	08/16/2016 22:49	SS
74-87-3	Chloromethane	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:21	08/16/2016 22:49	SS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/16/2016 13:21	08/16/2016 22:49	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:21	08/16/2016 22:49	SS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/16/2016 13:21	08/16/2016 22:49	SS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:21	08/16/2016 22:49	SS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/16/2016 13:21	08/16/2016 22:49	SS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/16/2016 13:21	08/16/2016 22:49	SS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:21	08/16/2016 22:49	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/16/2016 13:21	08/16/2016 22:49	SS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/16/2016 13:21	08/16/2016 22:49	SS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/16/2016 13:21	08/16/2016 22:49	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/16/2016 13:21	08/16/2016 22:49	SS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/16/2016 13:21	08/16/2016 22:49	SS
75-09-2	Methylene chloride	ND		mg/kg dry	0.0065	0.013	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:21	08/16/2016 22:49	SS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/16/2016 13:21	08/16/2016 22:49	SS



Sample Information

Client Sample ID: SB-8 (1'-2')

York Sample ID: 16H0538-04

York Project (SDG) No.

16H0538

Client Project ID

1678 & 1700 Park Avenue

Matrix

Soil

Collection Date/Time

August 10, 2016 1:40 pm

Date Received

08/11/2016

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/16/2016 13:21	08/16/2016 22:49	SS
95-47-6	o-Xylene	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854	08/16/2016 13:21	08/16/2016 22:49	SS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0065	0.013	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854	08/16/2016 13:21	08/16/2016 22:49	SS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/16/2016 13:21	08/16/2016 22:49	SS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/16/2016 13:21	08/16/2016 22:49	SS
100-42-5	Styrene	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/16/2016 13:21	08/16/2016 22:49	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/16/2016 13:21	08/16/2016 22:49	SS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/16/2016 13:21	08/16/2016 22:49	SS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:21	08/16/2016 22:49	SS
108-88-3	Toluene	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:21	08/16/2016 22:49	SS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/16/2016 13:21	08/16/2016 22:49	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:21	08/16/2016 22:49	SS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:21	08/16/2016 22:49	SS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:21	08/16/2016 22:49	SS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:21	08/16/2016 22:49	SS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0097	0.019	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:21	08/16/2016 22:49	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	105 %	77-125								
2037-26-5	Surrogate: Toluene-d8	97.1 %	85-120								
460-00-4	Surrogate: p-Bromofluorobenzene	96.1 %	76-130								

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1'-Biphenyl	ND		mg/kg dry	0.0696	0.139	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 22:52	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.139	0.277	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 22:52	KH



Sample Information

Client Sample ID: SB-8 (1'-2')

York Sample ID: 16H0538-04

York Project (SDG) No.

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Client Project ID

1678 & 1700 Park Avenue

Matrix

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Collection Date/Time

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Date Received

08/11/2016

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0696	0.139	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 22:52	KH
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0696	0.139	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/16/2016 13:30	08/17/2016 22:52	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0696	0.139	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 22:52	KH
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0696	0.139	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/16/2016 13:30	08/17/2016 22:52	KH
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0696	0.139	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/16/2016 13:30	08/17/2016 22:52	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.139	0.277	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 22:52	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0696	0.139	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 22:52	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0696	0.139	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 22:52	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0696	0.139	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 22:52	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0696	0.139	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 22:52	KH
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.139	0.277	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 22:52	KH
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0696	0.139	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 22:52	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0696	0.139	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 22:52	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0696	0.139	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 22:52	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0696	0.139	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 22:52	KH
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0696	0.139	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 22:52	KH
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0696	0.139	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 22:52	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.139	0.277	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 22:52	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0696	0.139	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 22:52	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0696	0.139	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 22:52	KH
91-94-1	3,3'-Dichlorobenzidine	ND		mg/kg dry	0.0696	0.139	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 22:52	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.139	0.277	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 22:52	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.139	0.277	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 22:52	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0696	0.139	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 22:52	KH



Sample Information

Client Sample ID: SB-8 (1'-2')

York Sample ID: 16H0538-04

York Project (SDG) No.

16H0538

Client Project ID

1678 & 1700 Park Avenue

Matrix

Soil

Collection Date/Time

August 10, 2016 1:40 pm

Date Received

08/11/2016

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0696	0.139	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 22:52	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0696	0.139	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 22:52	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0696	0.139	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 22:52	KH
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.139	0.277	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 22:52	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.139	0.277	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 22:52	KH
83-32-9	Acenaphthene	ND		mg/kg dry	0.0696	0.139	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 22:52	KH
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0696	0.139	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 22:52	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0696	0.139	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 22:52	KH
62-53-3	Aniline	ND		mg/kg dry	0.278	0.556	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 22:52	KH
120-12-7	Anthracene	0.0855	J	mg/kg dry	0.0696	0.139	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 22:52	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0696	0.139	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 22:52	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0696	0.139	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 22:52	KH
92-87-5	Benzidine	ND		mg/kg dry	0.278	0.556	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	08/16/2016 13:30	08/17/2016 22:52	KH
56-55-3	Benzo(a)anthracene	0.386	CCV-E	mg/kg dry	0.0696	0.139	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 22:52	KH
50-32-8	Benzo(a)pyrene	0.185	CCV-E	mg/kg dry	0.0696	0.139	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 22:52	KH
205-99-2	Benzo(b)fluoranthene	0.238		mg/kg dry	0.0696	0.139	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 22:52	KH
191-24-2	Benzo(g,h,i)perylene	0.152	CCV-E, IS-06	mg/kg dry	0.0696	0.139	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 22:52	KH
207-08-9	Benzo(k)fluoranthene	0.202		mg/kg dry	0.0696	0.139	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 22:52	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0696	0.139	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 22:52	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0696	0.139	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 22:52	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0696	0.139	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 22:52	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0696	0.139	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 22:52	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0696	0.139	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 22:52	KH



Sample Information

Client Sample ID: SB-8 (1'-2')

York Sample ID: 16H0538-04

York Project (SDG) No.

16H0538

Client Project ID

1678 & 1700 Park Avenue

Matrix

Soil

Collection Date/Time

August 10, 2016 1:40 pm

Date Received

08/11/2016

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0696	0.139	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 22:52	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0696	0.139	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 22:52	KH
105-60-2	Caprolactam	ND		mg/kg dry	0.139	0.277	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 22:52	KH
86-74-8	Carbazole	ND		mg/kg dry	0.0696	0.139	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 22:52	KH
218-01-9	Chrysene	0.372		mg/kg dry	0.0696	0.139	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 22:52	KH
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0696	0.139	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 22:52	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0696	0.139	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 22:52	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0696	0.139	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 22:52	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0696	0.139	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 22:52	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0696	0.139	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 22:52	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0696	0.139	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 22:52	KH
206-44-0	Fluoranthene	0.704		mg/kg dry	0.0696	0.139	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 22:52	KH
86-73-7	Fluorene	ND		mg/kg dry	0.0696	0.139	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 22:52	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0696	0.139	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 22:52	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0696	0.139	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 22:52	KH
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0696	0.139	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 22:52	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0696	0.139	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 22:52	KH
193-39-5	Indeno(1,2,3-cd)pyrene	0.134	CCV-E, IS-06, J	mg/kg dry	0.0696	0.139	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 22:52	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0696	0.139	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 22:52	KH
91-20-3	Naphthalene	ND		mg/kg dry	0.0696	0.139	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 22:52	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0696	0.139	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 22:52	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0696	0.139	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 22:52	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0696	0.139	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 22:52	KH



Sample Information

Client Sample ID: SB-8 (1'-2')

York Sample ID: 16H0538-04

York Project (SDG) No.

16H0538

Client Project ID

1678 & 1700 Park Avenue

Matrix

Soil

Collection Date/Time

August 10, 2016 1:40 pm

Date Received

08/11/2016

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0696	0.139	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 22:52	KH
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0696	0.139	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 22:52	KH
85-01-8	Phenanthrene	0.303		mg/kg dry	0.0696	0.139	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 22:52	KH
108-95-2	Phenol	ND		mg/kg dry	0.0696	0.139	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 22:52	KH
129-00-0	Pyrene	0.680		mg/kg dry	0.0696	0.139	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 22:52	KH
Surrogate Recoveries		Result		Acceptance Range							
367-12-4	Surrogate: 2-Fluorophenol	68.2 %		20-108							
4165-62-2	Surrogate: Phenol-d5	81.3 %		23-114							
4165-60-0	Surrogate: Nitrobenzene-d5	68.6 %		22-108							
321-60-8	Surrogate: 2-Fluorobiphenyl	75.0 %		21-113							
118-79-6	Surrogate: 2,4,6-Tribromophenol	65.8 %		19-110							
1718-51-0	Surrogate: Terphenyl-d14	68.4 %		24-116							

Pesticides, 8081 target list

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
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00183	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 09:20	08/15/2016 20:56	AMC
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00183	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 09:20	08/15/2016 20:56	AMC
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00183	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 09:20	08/15/2016 20:56	AMC
309-00-2	Aldrin	ND		mg/kg dry	0.00183	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 09:20	08/15/2016 20:56	AMC
319-84-6	alpha-BHC	ND		mg/kg dry	0.00183	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 09:20	08/15/2016 20:56	AMC
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00183	0.00183	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/15/2016 09:20	08/15/2016 20:56	AMC
319-85-7	beta-BHC	ND		mg/kg dry	0.00183	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 09:20	08/15/2016 20:56	AMC
57-74-9	Chlordane, total	ND		mg/kg dry	0.0733	0.0733	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 09:20	08/15/2016 20:56	AMC
319-86-8	delta-BHC	ND		mg/kg dry	0.00183	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 09:20	08/15/2016 20:56	AMC
60-57-1	Dieldrin	ND		mg/kg dry	0.00183	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 09:20	08/15/2016 20:56	AMC
959-98-8	Endosulfan I	ND		mg/kg dry	0.00183	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 09:20	08/15/2016 20:56	AMC



Sample Information

Client Sample ID: SB-8 (1'-2')

York Sample ID: 16H0538-04

York Project (SDG) No.

16H0538

Client Project ID

1678 & 1700 Park Avenue

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Soil

Collection Date/Time

August 10, 2016 1:40 pm

Date Received

08/11/2016

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00183	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 09:20	08/15/2016 20:56	AMC
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00183	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 09:20	08/15/2016 20:56	AMC
72-20-8	Endrin	ND		mg/kg dry	0.00183	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 09:20	08/15/2016 20:56	AMC
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00183	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 09:20	08/15/2016 20:56	AMC
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00183	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 09:20	08/15/2016 20:56	AMC
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00183	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 09:20	08/15/2016 20:56	AMC
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00183	0.00183	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/15/2016 09:20	08/15/2016 20:56	AMC
76-44-8	Heptachlor	ND		mg/kg dry	0.00183	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 09:20	08/15/2016 20:56	AMC
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00183	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 09:20	08/15/2016 20:56	AMC
72-43-5	Methoxychlor	ND		mg/kg dry	0.00916	0.00916	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 09:20	08/15/2016 20:56	AMC
8001-35-2	Toxaphene	ND		mg/kg dry	0.0927	0.0927	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 09:20	08/15/2016 20:56	AMC
Surrogate Recoveries		Result		Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	73.5 %		30-140							
877-09-8	Surrogate: Tetrachloro-m-xylene	41.5 %		30-140							

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0185	0.0185	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2016 09:20	08/17/2016 22:24	AMC
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0185	0.0185	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2016 09:20	08/17/2016 22:24	AMC
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0185	0.0185	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2016 09:20	08/17/2016 22:24	AMC
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0185	0.0185	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2016 09:20	08/17/2016 22:24	AMC
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0185	0.0185	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2016 09:20	08/17/2016 22:24	AMC
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0185	0.0185	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2016 09:20	08/17/2016 22:24	AMC
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0185	0.0185	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2016 09:20	08/17/2016 22:24	AMC
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0185	0.0185	1	EPA 8082A Certifications:	08/15/2016 09:20	08/17/2016 22:24	AMC



Sample Information

Client Sample ID: SB-8 (1'-2')

York Sample ID: 16H0538-04

York Project (SDG) No.

16H0538

Client Project ID

1678 & 1700 Park Avenue

Matrix

Soil

Collection Date/Time

August 10, 2016 1:40 pm

Date Received

08/11/2016

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
Surrogate Recoveries		Result		Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	68.0 %				30-140					
2051-24-3	Surrogate: Decachlorobiphenyl	62.5 %				30-140					

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	9710		mg/kg dry	5.55	5.55	1	EPA 6010C	08/12/2016 12:45	08/13/2016 03:02	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-36-0	Antimony	ND		mg/kg dry	0.555	0.555	1	EPA 6010C	08/12/2016 12:45	08/13/2016 03:02	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-38-2	Arsenic	6.10		mg/kg dry	1.11	1.11	1	EPA 6010C	08/12/2016 12:45	08/13/2016 03:02	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	Barium	101		mg/kg dry	1.11	1.11	1	EPA 6010C	08/12/2016 12:45	08/13/2016 03:02	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/kg dry	0.111	0.111	1	EPA 6010C	08/12/2016 12:45	08/13/2016 03:02	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	Cadmium	0.506		mg/kg dry	0.333	0.333	1	EPA 6010C	08/12/2016 12:45	08/13/2016 03:02	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	Calcium	70400		mg/kg dry	0.555	5.55	1	EPA 6010C	08/12/2016 12:45	08/13/2016 03:02	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	Chromium	24.6		mg/kg dry	0.555	0.555	1	EPA 6010C	08/12/2016 12:45	08/13/2016 03:02	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	Cobalt	7.64		mg/kg dry	0.555	0.555	1	EPA 6010C	08/12/2016 12:45	08/13/2016 03:02	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	Copper	33.3		mg/kg dry	0.555	0.555	1	EPA 6010C	08/12/2016 12:45	08/13/2016 03:02	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	Iron	15900		mg/kg dry	2.22	2.22	1	EPA 6010C	08/12/2016 12:45	08/13/2016 03:02	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	Lead	61.7		mg/kg dry	0.333	0.333	1	EPA 6010C	08/12/2016 12:45	08/13/2016 03:02	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	Magnesium	8370		mg/kg dry	5.55	5.55	1	EPA 6010C	08/12/2016 12:45	08/13/2016 03:02	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	Manganese	234		mg/kg dry	0.555	0.555	1	EPA 6010C	08/12/2016 12:45	08/13/2016 03:02	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	Nickel	19.0		mg/kg dry	0.555	0.555	1	EPA 6010C	08/12/2016 12:45	08/13/2016 03:02	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	Potassium	2490		mg/kg dry	5.55	5.55	1	EPA 6010C	08/12/2016 12:45	08/13/2016 03:02	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	1.16		mg/kg dry	1.11	1.11	1	EPA 6010C	08/12/2016 12:45	08/13/2016 03:02	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		



Sample Information

Client Sample ID: SB-8 (1'-2')

York Sample ID: 16H0538-04

York Project (SDG) No.

16H0538

Client Project ID

1678 & 1700 Park Avenue

Matrix

Soil

Collection Date/Time

August 10, 2016 1:40 pm

Date Received

08/11/2016

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-22-4	Silver	ND		mg/kg dry	0.555	0.555	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:45	08/13/2016 03:02	KV
7440-23-5	Sodium	520		mg/kg dry	11.1	11.1	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 12:45	08/13/2016 03:02	KV
7440-28-0	Thallium	ND		mg/kg dry	1.11	1.11	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:45	08/13/2016 03:02	KV
7440-62-2	Vanadium	28.0		mg/kg dry	1.11	1.11	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:45	08/13/2016 03:02	KV
7440-66-6	Zinc	84.0		mg/kg dry	1.11	1.11	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:45	08/13/2016 03:02	KV

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.103		mg/kg dry	0.0333	0.0333	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	08/12/2016 06:25	08/12/2016 15:34	ALD

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	90.1		%	0.100	0.100	1	SM 2540G Certifications: CTDOH	08/12/2016 14:31	08/15/2016 10:35	LAB

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	0.844		mg/kg dry	0.389	0.555	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	08/16/2016 07:50	08/16/2016 11:14	LAB

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	23.8		mg/kg	0.250	0.500	1	Calculation Certifications:	08/18/2016 15:12	08/18/2016 15:15	PAM

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst



Sample Information

Client Sample ID: SB-8 (1'-2')

York Sample ID: 16H0538-04

York Project (SDG) No.

16H0538

Client Project ID

1678 & 1700 Park Avenue

Matrix

Soil

Collection Date/Time

August 10, 2016 1:40 pm

Date Received

08/11/2016

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.555	0.555	1	EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/18/2016 08:42	08/18/2016 14:04	AD

Sample Information

Client Sample ID: SB-8 (8'-9')

York Sample ID: 16H0538-05

York Project (SDG) No.

16H0538

Client Project ID

1678 & 1700 Park Avenue

Matrix

Soil

Collection Date/Time

August 10, 2016 1:50 pm

Date Received

08/11/2016

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/16/2016 13:21	08/16/2016 23:23	SS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:21	08/16/2016 23:23	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:21	08/16/2016 23:23	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/16/2016 13:21	08/16/2016 23:23	SS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:21	08/16/2016 23:23	SS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:21	08/16/2016 23:23	SS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:21	08/16/2016 23:23	SS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/16/2016 13:21	08/16/2016 23:23	SS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/16/2016 13:21	08/16/2016 23:23	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/16/2016 13:21	08/16/2016 23:23	SS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/16/2016 13:21	08/16/2016 23:23	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/16/2016 13:21	08/16/2016 23:23	SS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/16/2016 13:21	08/16/2016 23:23	SS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:21	08/16/2016 23:23	SS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:21	08/16/2016 23:23	SS



Sample Information

Client Sample ID: SB-8 (8'-9')

York Sample ID: 16H0538-05

York Project (SDG) No.

16H0538

Client Project ID

1678 & 1700 Park Avenue

Matrix

Soil

Collection Date/Time

August 10, 2016 1:50 pm

Date Received

08/11/2016

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/16/2016 13:21	08/16/2016 23:23	SS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/16/2016 13:21	08/16/2016 23:23	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:21	08/16/2016 23:23	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:21	08/16/2016 23:23	SS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.051	0.10	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/16/2016 13:21	08/16/2016 23:23	SS
78-93-3	2-Butanone	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/16/2016 13:21	08/16/2016 23:23	SS
591-78-6	2-Hexanone	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/16/2016 13:21	08/16/2016 23:23	SS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/16/2016 13:21	08/16/2016 23:23	SS
67-64-1	Acetone	0.0072	CCV-E, J	mg/kg dry	0.0051	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/16/2016 13:21	08/16/2016 23:23	SS
107-02-8	Acrolein	ND		mg/kg dry	0.0051	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/16/2016 13:21	08/16/2016 23:23	SS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/16/2016 13:21	08/16/2016 23:23	SS
71-43-2	Benzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:21	08/16/2016 23:23	SS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/16/2016 13:21	08/16/2016 23:23	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:21	08/16/2016 23:23	SS
75-25-2	Bromoform	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:21	08/16/2016 23:23	SS
74-83-9	Bromomethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:21	08/16/2016 23:23	SS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/16/2016 13:21	08/16/2016 23:23	SS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:21	08/16/2016 23:23	SS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:21	08/16/2016 23:23	SS
75-00-3	Chloroethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:21	08/16/2016 23:23	SS
67-66-3	Chloroform	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:21	08/16/2016 23:23	SS
74-87-3	Chloromethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:21	08/16/2016 23:23	SS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/16/2016 13:21	08/16/2016 23:23	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:21	08/16/2016 23:23	SS



Sample Information

Client Sample ID: SB-8 (8'-9')

York Sample ID: 16H0538-05

York Project (SDG) No.

16H0538

Client Project ID

1678 & 1700 Park Avenue

Matrix

Soil

Collection Date/Time

August 10, 2016 1:50 pm

Date Received

08/11/2016

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
110-82-7	Cyclohexane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/16/2016 13:21	08/16/2016 23:23	SS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:21	08/16/2016 23:23	SS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/16/2016 13:21	08/16/2016 23:23	SS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/16/2016 13:21	08/16/2016 23:23	SS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:21	08/16/2016 23:23	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/16/2016 13:21	08/16/2016 23:23	SS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/16/2016 13:21	08/16/2016 23:23	SS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/16/2016 13:21	08/16/2016 23:23	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/16/2016 13:21	08/16/2016 23:23	SS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/16/2016 13:21	08/16/2016 23:23	SS
75-09-2	Methylene chloride	ND		mg/kg dry	0.0051	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:21	08/16/2016 23:23	SS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/16/2016 13:21	08/16/2016 23:23	SS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/16/2016 13:21	08/16/2016 23:23	SS
95-47-6	o-Xylene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854	08/16/2016 13:21	08/16/2016 23:23	SS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0051	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854	08/16/2016 13:21	08/16/2016 23:23	SS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/16/2016 13:21	08/16/2016 23:23	SS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/16/2016 13:21	08/16/2016 23:23	SS
100-42-5	Styrene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/16/2016 13:21	08/16/2016 23:23	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/16/2016 13:21	08/16/2016 23:23	SS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/16/2016 13:21	08/16/2016 23:23	SS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:21	08/16/2016 23:23	SS
108-88-3	Toluene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:21	08/16/2016 23:23	SS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/16/2016 13:21	08/16/2016 23:23	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:21	08/16/2016 23:23	SS



Sample Information

Client Sample ID: SB-8 (8'-9')

York Sample ID: 16H0538-05

York Project (SDG) No.

16H0538

Client Project ID

1678 & 1700 Park Avenue

Matrix

Soil

Collection Date/Time

August 10, 2016 1:50 pm

Date Received

08/11/2016

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:21	08/16/2016 23:23	SS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:21	08/16/2016 23:23	SS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:21	08/16/2016 23:23	SS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0077	0.015	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:21	08/16/2016 23:23	SS
Surrogate Recoveries		Result		Acceptance Range							
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	104 %		77-125							
2037-26-5	Surrogate: Toluene-d8	93.9 %		85-120							
460-00-4	Surrogate: p-Bromofluorobenzene	98.2 %		76-130							

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1'-Biphenyl	ND		mg/kg dry	0.0688	0.137	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 21:17	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.137	0.274	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 21:17	KH
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0688	0.137	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 21:17	KH
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0688	0.137	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/16/2016 13:30	08/17/2016 21:17	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0688	0.137	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 21:17	KH
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0688	0.137	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/16/2016 13:30	08/17/2016 21:17	KH
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0688	0.137	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/16/2016 13:30	08/17/2016 21:17	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.137	0.274	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 21:17	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0688	0.137	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 21:17	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0688	0.137	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 21:17	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0688	0.137	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 21:17	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0688	0.137	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 21:17	KH
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.137	0.274	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 21:17	KH
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0688	0.137	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 21:17	KH



Sample Information

Client Sample ID: SB-8 (8'-9')

York Sample ID: 16H0538-05

York Project (SDG) No.

16H0538

Client Project ID

1678 & 1700 Park Avenue

Matrix

Soil

Collection Date/Time

August 10, 2016 1:50 pm

Date Received

08/11/2016

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0688	0.137	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 21:17	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0688	0.137	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 21:17	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0688	0.137	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 21:17	KH
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0688	0.137	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 21:17	KH
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0688	0.137	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 21:17	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.137	0.274	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 21:17	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0688	0.137	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 21:17	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0688	0.137	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 21:17	KH
91-94-1	3,3'-Dichlorobenzidine	ND		mg/kg dry	0.0688	0.137	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 21:17	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.137	0.274	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 21:17	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.137	0.274	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 21:17	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0688	0.137	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 21:17	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0688	0.137	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 21:17	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0688	0.137	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 21:17	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0688	0.137	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 21:17	KH
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.137	0.274	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 21:17	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.137	0.274	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 21:17	KH
83-32-9	Acenaphthene	ND		mg/kg dry	0.0688	0.137	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 21:17	KH
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0688	0.137	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 21:17	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0688	0.137	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 21:17	KH
62-53-3	Aniline	ND		mg/kg dry	0.275	0.549	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 21:17	KH
120-12-7	Anthracene	ND		mg/kg dry	0.0688	0.137	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 21:17	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0688	0.137	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 21:17	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0688	0.137	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 21:17	KH



Sample Information

Client Sample ID: SB-8 (8'-9')

York Sample ID: 16H0538-05

York Project (SDG) No.

16H0538

Client Project ID

1678 & 1700 Park Avenue

Matrix

Soil

Collection Date/Time

August 10, 2016 1:50 pm

Date Received

08/11/2016

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-87-5	Benzidine	ND		mg/kg dry	0.275	0.549	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	08/16/2016 13:30	08/17/2016 21:17	KH
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0688	0.137	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 21:17	KH
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0688	0.137	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 21:17	KH
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0688	0.137	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 21:17	KH
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0688	0.137	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 21:17	KH
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0688	0.137	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 21:17	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0688	0.137	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 21:17	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0688	0.137	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 21:17	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0688	0.137	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 21:17	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0688	0.137	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 21:17	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0688	0.137	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 21:17	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0688	0.137	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 21:17	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0688	0.137	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 21:17	KH
105-60-2	Caprolactam	ND		mg/kg dry	0.137	0.274	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 21:17	KH
86-74-8	Carbazole	ND		mg/kg dry	0.0688	0.137	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 21:17	KH
218-01-9	Chrysene	ND		mg/kg dry	0.0688	0.137	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 21:17	KH
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0688	0.137	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 21:17	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0688	0.137	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 21:17	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0688	0.137	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 21:17	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0688	0.137	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 21:17	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0688	0.137	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 21:17	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0688	0.137	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 21:17	KH
206-44-0	Fluoranthene	ND		mg/kg dry	0.0688	0.137	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 21:17	KH
86-73-7	Fluorene	ND		mg/kg dry	0.0688	0.137	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 21:17	KH



Sample Information

Client Sample ID: SB-8 (8'-9')

York Sample ID: 16H0538-05

York Project (SDG) No.

16H0538

Client Project ID

1678 & 1700 Park Avenue

Matrix

Soil

Collection Date/Time

August 10, 2016 1:50 pm

Date Received

08/11/2016

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0688	0.137	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 21:17	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0688	0.137	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 21:17	KH
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0688	0.137	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 21:17	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0688	0.137	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 21:17	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0688	0.137	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 21:17	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0688	0.137	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 21:17	KH
91-20-3	Naphthalene	ND		mg/kg dry	0.0688	0.137	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 21:17	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0688	0.137	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 21:17	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0688	0.137	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 21:17	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0688	0.137	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 21:17	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0688	0.137	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 21:17	KH
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0688	0.137	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 21:17	KH
85-01-8	Phenanthrene	ND		mg/kg dry	0.0688	0.137	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 21:17	KH
108-95-2	Phenol	ND		mg/kg dry	0.0688	0.137	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 21:17	KH
129-00-0	Pyrene	ND		mg/kg dry	0.0688	0.137	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 21:17	KH
Surrogate Recoveries		Result		Acceptance Range							
367-12-4	Surrogate: 2-Fluorophenol	56.3 %		20-108							
4165-62-2	Surrogate: Phenol-d5	65.5 %		23-114							
4165-60-0	Surrogate: Nitrobenzene-d5	57.2 %		22-108							
321-60-8	Surrogate: 2-Fluorobiphenyl	64.8 %		21-113							
118-79-6	Surrogate: 2,4,6-Tribromophenol	54.9 %		19-110							
1718-51-0	Surrogate: Terphenyl-d14	50.1 %		24-116							

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00181	0.00181	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 09:20	08/17/2016 03:34	AMC



Sample Information

Client Sample ID: SB-8 (8'-9')

York Sample ID: 16H0538-05

York Project (SDG) No.

16H0538

Client Project ID

1678 & 1700 Park Avenue

Matrix

Soil

Collection Date/Time

August 10, 2016 1:50 pm

Date Received

08/11/2016

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00181	0.00181	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 09:20	08/17/2016 03:34	AMC
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00181	0.00181	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 09:20	08/17/2016 03:34	AMC
309-00-2	Aldrin	ND		mg/kg dry	0.00181	0.00181	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 09:20	08/17/2016 03:34	AMC
319-84-6	alpha-BHC	ND		mg/kg dry	0.00181	0.00181	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 09:20	08/17/2016 03:34	AMC
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00181	0.00181	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/15/2016 09:20	08/17/2016 03:34	AMC
319-85-7	beta-BHC	ND		mg/kg dry	0.00181	0.00181	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 09:20	08/17/2016 03:34	AMC
57-74-9	Chlordane, total	ND		mg/kg dry	0.0724	0.0724	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 09:20	08/17/2016 03:34	AMC
319-86-8	delta-BHC	ND		mg/kg dry	0.00181	0.00181	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 09:20	08/17/2016 03:34	AMC
60-57-1	Dieldrin	ND		mg/kg dry	0.00181	0.00181	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 09:20	08/17/2016 03:34	AMC
959-98-8	Endosulfan I	ND		mg/kg dry	0.00181	0.00181	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 09:20	08/17/2016 03:34	AMC
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00181	0.00181	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 09:20	08/17/2016 03:34	AMC
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00181	0.00181	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 09:20	08/17/2016 03:34	AMC
72-20-8	Endrin	ND		mg/kg dry	0.00181	0.00181	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 09:20	08/17/2016 03:34	AMC
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00181	0.00181	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 09:20	08/17/2016 03:34	AMC
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00181	0.00181	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 09:20	08/17/2016 03:34	AMC
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00181	0.00181	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 09:20	08/17/2016 03:34	AMC
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00181	0.00181	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/15/2016 09:20	08/17/2016 03:34	AMC
76-44-8	Heptachlor	ND		mg/kg dry	0.00181	0.00181	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 09:20	08/17/2016 03:34	AMC
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00181	0.00181	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 09:20	08/17/2016 03:34	AMC
72-43-5	Methoxychlor	ND		mg/kg dry	0.00905	0.00905	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 09:20	08/17/2016 03:34	AMC
8001-35-2	Toxaphene	ND		mg/kg dry	0.0916	0.0916	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 09:20	08/17/2016 03:34	AMC
Surrogate Recoveries		Result	Acceptance Range								
2051-24-3	Surrogate: Decachlorobiphenyl	82.3 %	30-140								
877-09-8	Surrogate: Tetrachloro-m-xylene	88.6 %	30-140								



Sample Information

Client Sample ID: SB-8 (8'-9')

York Sample ID: 16H0538-05

York Project (SDG) No.
16H0538

Client Project ID
1678 & 1700 Park Avenue

Matrix
Soil

Collection Date/Time
August 10, 2016 1:50 pm

Date Received
08/11/2016

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0183	0.0183	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2016 09:20	08/17/2016 22:43	AMC
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0183	0.0183	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2016 09:20	08/17/2016 22:43	AMC
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0183	0.0183	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2016 09:20	08/17/2016 22:43	AMC
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0183	0.0183	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2016 09:20	08/17/2016 22:43	AMC
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0183	0.0183	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2016 09:20	08/17/2016 22:43	AMC
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0183	0.0183	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2016 09:20	08/17/2016 22:43	AMC
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0183	0.0183	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2016 09:20	08/17/2016 22:43	AMC
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0183	0.0183	1	EPA 8082A Certifications:	08/15/2016 09:20	08/17/2016 22:43	AMC
Surrogate Recoveries		Result	Acceptance Range								
877-09-8	Surrogate: Tetrachloro-m-xylene	104 %	30-140								
2051-24-3	Surrogate: Decachlorobiphenyl	91.5 %	30-140								

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	9380		mg/kg dry	5.48	5.48	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:45	08/13/2016 03:07	KV
7440-36-0	Antimony	ND		mg/kg dry	0.548	0.548	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:45	08/13/2016 03:07	KV
7440-38-2	Arsenic	3.90		mg/kg dry	1.10	1.10	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:45	08/13/2016 03:07	KV
7440-39-3	Barium	114		mg/kg dry	1.10	1.10	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:45	08/13/2016 03:07	KV
7440-41-7	Beryllium	ND		mg/kg dry	0.110	0.110	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:45	08/13/2016 03:07	KV
7440-43-9	Cadmium	0.981		mg/kg dry	0.329	0.329	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:45	08/13/2016 03:07	KV
7440-70-2	Calcium	55700		mg/kg dry	0.548	5.48	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:45	08/13/2016 03:07	KV
7440-47-3	Chromium	15.0		mg/kg dry	0.548	0.548	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:45	08/13/2016 03:07	KV
7440-48-4	Cobalt	8.31		mg/kg dry	0.548	0.548	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:45	08/13/2016 03:07	KV
7440-50-8	Copper	40.1		mg/kg dry	0.548	0.548	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:45	08/13/2016 03:07	KV



Sample Information

Client Sample ID: SB-8 (8'-9')

York Sample ID: 16H0538-05

York Project (SDG) No.

16H0538

Client Project ID

1678 & 1700 Park Avenue

Matrix

Soil

Collection Date/Time

August 10, 2016 1:50 pm

Date Received

08/11/2016

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	14400		mg/kg dry	2.19	2.19	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:45	08/13/2016 03:07	KV
7439-92-1	Lead	31.3		mg/kg dry	0.329	0.329	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:45	08/13/2016 03:07	KV
7439-95-4	Magnesium	5690		mg/kg dry	5.48	5.48	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:45	08/13/2016 03:07	KV
7439-96-5	Manganese	245		mg/kg dry	0.548	0.548	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:45	08/13/2016 03:07	KV
7440-02-0	Nickel	19.6		mg/kg dry	0.548	0.548	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:45	08/13/2016 03:07	KV
7440-09-7	Potassium	2850		mg/kg dry	5.48	5.48	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:45	08/13/2016 03:07	KV
7782-49-2	Selenium	2.28		mg/kg dry	1.10	1.10	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:45	08/13/2016 03:07	KV
7440-22-4	Silver	ND		mg/kg dry	0.548	0.548	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:45	08/13/2016 03:07	KV
7440-23-5	Sodium	371		mg/kg dry	11.0	11.0	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 12:45	08/13/2016 03:07	KV
7440-28-0	Thallium	ND		mg/kg dry	1.10	1.10	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:45	08/13/2016 03:07	KV
7440-62-2	Vanadium	26.9		mg/kg dry	1.10	1.10	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:45	08/13/2016 03:07	KV
7440-66-6	Zinc	792		mg/kg dry	1.10	1.10	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:45	08/13/2016 03:07	KV

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.105		mg/kg dry	0.0329	0.0329	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	08/12/2016 06:25	08/12/2016 15:43	ALD

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	91.2		%	0.100	0.100	1	SM 2540G Certifications: CTDOH	08/12/2016 14:31	08/15/2016 10:35	LAB

Chromium, Hexavalent

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: SB-8 (8'-9')

York Sample ID: 16H0538-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

16H0538

1678 & 1700 Park Avenue

Soil

August 10, 2016 1:50 pm

08/11/2016

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.384	0.548	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	08/16/2016 07:50	08/16/2016 11:14	LAB

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	15.0		mg/kg	0.250	0.500	1	Calculation Certifications:	08/18/2016 15:12	08/18/2016 15:15	PAM

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.548	0.548	1	EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/18/2016 08:42	08/18/2016 14:04	AD

Sample Information

Client Sample ID: SB-10 (1'-2')

York Sample ID: 16H0538-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

16H0538

1678 & 1700 Park Avenue

Soil

August 10, 2016 2:05 pm

08/11/2016

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/16/2016 13:21	08/16/2016 23:57	SS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:21	08/16/2016 23:57	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:21	08/16/2016 23:57	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/16/2016 13:21	08/16/2016 23:57	SS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:21	08/16/2016 23:57	SS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:21	08/16/2016 23:57	SS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:21	08/16/2016 23:57	SS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/16/2016 13:21	08/16/2016 23:57	SS



Sample Information

Client Sample ID: SB-10 (1'-2')

York Sample ID: 16H0538-06

York Project (SDG) No.

16H0538

Client Project ID

1678 & 1700 Park Avenue

Matrix

Soil

Collection Date/Time

August 10, 2016 2:05 pm

Date Received

08/11/2016

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/16/2016 13:21	08/16/2016 23:57	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/16/2016 13:21	08/16/2016 23:57	SS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/16/2016 13:21	08/16/2016 23:57	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/16/2016 13:21	08/16/2016 23:57	SS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/16/2016 13:21	08/16/2016 23:57	SS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:21	08/16/2016 23:57	SS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:21	08/16/2016 23:57	SS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/16/2016 13:21	08/16/2016 23:57	SS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/16/2016 13:21	08/16/2016 23:57	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:21	08/16/2016 23:57	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:21	08/16/2016 23:57	SS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.038	0.076	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/16/2016 13:21	08/16/2016 23:57	SS
78-93-3	2-Butanone	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/16/2016 13:21	08/16/2016 23:57	SS
591-78-6	2-Hexanone	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/16/2016 13:21	08/16/2016 23:57	SS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/16/2016 13:21	08/16/2016 23:57	SS
67-64-1	Acetone	ND		mg/kg dry	0.0038	0.0076	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/16/2016 13:21	08/16/2016 23:57	SS
107-02-8	Acrolein	ND		mg/kg dry	0.0038	0.0076	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/16/2016 13:21	08/16/2016 23:57	SS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/16/2016 13:21	08/16/2016 23:57	SS
71-43-2	Benzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:21	08/16/2016 23:57	SS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/16/2016 13:21	08/16/2016 23:57	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:21	08/16/2016 23:57	SS
75-25-2	Bromoform	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:21	08/16/2016 23:57	SS
74-83-9	Bromomethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:21	08/16/2016 23:57	SS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/16/2016 13:21	08/16/2016 23:57	SS



Sample Information

Client Sample ID: SB-10 (1'-2')

York Sample ID: 16H0538-06

York Project (SDG) No.

16H0538

Client Project ID

1678 & 1700 Park Avenue

Matrix

Soil

Collection Date/Time

August 10, 2016 2:05 pm

Date Received

08/11/2016

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:21	08/16/2016 23:57	SS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:21	08/16/2016 23:57	SS
75-00-3	Chloroethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:21	08/16/2016 23:57	SS
67-66-3	Chloroform	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:21	08/16/2016 23:57	SS
74-87-3	Chloromethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:21	08/16/2016 23:57	SS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/16/2016 13:21	08/16/2016 23:57	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:21	08/16/2016 23:57	SS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/16/2016 13:21	08/16/2016 23:57	SS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:21	08/16/2016 23:57	SS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/16/2016 13:21	08/16/2016 23:57	SS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/16/2016 13:21	08/16/2016 23:57	SS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:21	08/16/2016 23:57	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/16/2016 13:21	08/16/2016 23:57	SS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/16/2016 13:21	08/16/2016 23:57	SS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/16/2016 13:21	08/16/2016 23:57	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/16/2016 13:21	08/16/2016 23:57	SS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/16/2016 13:21	08/16/2016 23:57	SS
75-09-2	Methylene chloride	ND		mg/kg dry	0.0038	0.0076	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:21	08/16/2016 23:57	SS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/16/2016 13:21	08/16/2016 23:57	SS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/16/2016 13:21	08/16/2016 23:57	SS
95-47-6	o-Xylene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854	08/16/2016 13:21	08/16/2016 23:57	SS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0038	0.0076	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854	08/16/2016 13:21	08/16/2016 23:57	SS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/16/2016 13:21	08/16/2016 23:57	SS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/16/2016 13:21	08/16/2016 23:57	SS



Sample Information

Client Sample ID: SB-10 (1'-2')

York Sample ID: 16H0538-06

York Project (SDG) No.

16H0538

Client Project ID

1678 & 1700 Park Avenue

Matrix

Soil

Collection Date/Time

August 10, 2016 2:05 pm

Date Received

08/11/2016

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-42-5	Styrene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/16/2016 13:21	08/16/2016 23:57	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/16/2016 13:21	08/16/2016 23:57	SS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/16/2016 13:21	08/16/2016 23:57	SS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:21	08/16/2016 23:57	SS
108-88-3	Toluene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:21	08/16/2016 23:57	SS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/16/2016 13:21	08/16/2016 23:57	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:21	08/16/2016 23:57	SS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:21	08/16/2016 23:57	SS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:21	08/16/2016 23:57	SS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:21	08/16/2016 23:57	SS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0057	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:21	08/16/2016 23:57	SS
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	104 %			77-125						
2037-26-5	Surrogate: Toluene-d8	95.9 %			85-120						
460-00-4	Surrogate: p-Bromofluorobenzene	93.7 %			76-130						

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1'-Biphenyl	ND		mg/kg dry	0.168	0.335	5	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 23:24	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.335	0.668	5	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 23:24	KH
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.168	0.335	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 23:24	KH
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.168	0.335	5	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/16/2016 13:30	08/17/2016 23:24	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.168	0.335	5	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 23:24	KH
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.168	0.335	5	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/16/2016 13:30	08/17/2016 23:24	KH
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.168	0.335	5	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/16/2016 13:30	08/17/2016 23:24	KH



Sample Information

Client Sample ID: SB-10 (1'-2')

York Sample ID: 16H0538-06

York Project (SDG) No.

16H0538

Client Project ID

1678 & 1700 Park Avenue

Matrix

Soil

Collection Date/Time

August 10, 2016 2:05 pm

Date Received

08/11/2016

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.335	0.668	5	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 23:24	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.168	0.335	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 23:24	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.168	0.335	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 23:24	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.168	0.335	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 23:24	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.168	0.335	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 23:24	KH
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.335	0.668	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 23:24	KH
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.168	0.335	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 23:24	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.168	0.335	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 23:24	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.168	0.335	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 23:24	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.168	0.335	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 23:24	KH
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.168	0.335	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 23:24	KH
95-48-7	2-Methylphenol	ND		mg/kg dry	0.168	0.335	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 23:24	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.335	0.668	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 23:24	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.168	0.335	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 23:24	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.168	0.335	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 23:24	KH
91-94-1	3,3'-Dichlorobenzidine	ND		mg/kg dry	0.168	0.335	5	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 23:24	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.335	0.668	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 23:24	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.335	0.668	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 23:24	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.168	0.335	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 23:24	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.168	0.335	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 23:24	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.168	0.335	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 23:24	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.168	0.335	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 23:24	KH
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.335	0.668	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 23:24	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.335	0.668	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 23:24	KH



Sample Information

Client Sample ID: SB-10 (1'-2')

York Sample ID: 16H0538-06

York Project (SDG) No.

16H0538

Client Project ID

1678 & 1700 Park Avenue

Matrix

Soil

Collection Date/Time

August 10, 2016 2:05 pm

Date Received

08/11/2016

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		mg/kg dry	0.168	0.335	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 23:24	KH
208-96-8	Acenaphthylene	ND		mg/kg dry	0.168	0.335	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 23:24	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.168	0.335	5	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 23:24	KH
62-53-3	Aniline	ND		mg/kg dry	0.670	1.34	5	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 23:24	KH
120-12-7	Anthracene	ND		mg/kg dry	0.168	0.335	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 23:24	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.168	0.335	5	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 23:24	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.168	0.335	5	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 23:24	KH
92-87-5	Benzidine	ND		mg/kg dry	0.670	1.34	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 23:24	KH
56-55-3	Benzo(a)anthracene	0.321	J	mg/kg dry	0.168	0.335	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 23:24	KH
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.168	0.335	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 23:24	KH
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.168	0.335	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 23:24	KH
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.168	0.335	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 23:24	KH
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.168	0.335	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 23:24	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.168	0.335	5	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 23:24	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.168	0.335	5	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 23:24	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.168	0.335	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 23:24	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.168	0.335	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 23:24	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.168	0.335	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 23:24	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.168	0.335	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 23:24	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.168	0.335	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 23:24	KH
105-60-2	Caprolactam	ND		mg/kg dry	0.335	0.668	5	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 23:24	KH
86-74-8	Carbazole	ND		mg/kg dry	0.168	0.335	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 23:24	KH
218-01-9	Chrysene	0.393		mg/kg dry	0.168	0.335	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 23:24	KH



Sample Information

Client Sample ID: SB-10 (1'-2')

York Sample ID: 16H0538-06

York Project (SDG) No.
16H0538

Client Project ID
1678 & 1700 Park Avenue

Matrix
Soil

Collection Date/Time
August 10, 2016 2:05 pm

Date Received
08/11/2016

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.168	0.335	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 23:24	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.168	0.335	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 23:24	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.168	0.335	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 23:24	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.168	0.335	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 23:24	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.168	0.335	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 23:24	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.168	0.335	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 23:24	KH
206-44-0	Fluoranthene	0.843		mg/kg dry	0.168	0.335	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 23:24	KH
86-73-7	Fluorene	ND		mg/kg dry	0.168	0.335	5	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 23:24	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.168	0.335	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 23:24	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.168	0.335	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 23:24	KH
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.168	0.335	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 23:24	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.168	0.335	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 23:24	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.168	0.335	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 23:24	KH
78-59-1	Isophorone	ND		mg/kg dry	0.168	0.335	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 23:24	KH
91-20-3	Naphthalene	ND		mg/kg dry	0.168	0.335	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 23:24	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.168	0.335	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 23:24	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.168	0.335	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 23:24	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.168	0.335	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 23:24	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.168	0.335	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 23:24	KH
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.168	0.335	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 23:24	KH
85-01-8	Phenanthrene	0.604		mg/kg dry	0.168	0.335	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 23:24	KH
108-95-2	Phenol	ND		mg/kg dry	0.168	0.335	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 23:24	KH
129-00-0	Pyrene	1.10		mg/kg dry	0.168	0.335	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 23:24	KH
Surrogate Recoveries		Result	Acceptance Range								



Sample Information

Client Sample ID: SB-10 (1'-2')

York Sample ID: 16H0538-06

York Project (SDG) No.

16H0538

Client Project ID

1678 & 1700 Park Avenue

Matrix

Soil

Collection Date/Time

August 10, 2016 2:05 pm

Date Received

08/11/2016

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
367-12-4	Surrogate: 2-Fluorophenol	42.2 %			20-108						
4165-62-2	Surrogate: Phenol-d5	53.0 %			23-114						
4165-60-0	Surrogate: Nitrobenzene-d5	48.2 %			22-108						
321-60-8	Surrogate: 2-Fluorobiphenyl	57.4 %			21-113						
118-79-6	Surrogate: 2,4,6-Tribromophenol	47.3 %			19-110						
1718-51-0	Surrogate: Terphenyl-d14	65.3 %			24-116						

Pesticides, 8081 target list

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
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00177	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 09:20	08/15/2016 21:11	AMC
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00177	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 09:20	08/15/2016 21:11	AMC
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00177	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 09:20	08/15/2016 21:11	AMC
309-00-2	Aldrin	ND		mg/kg dry	0.00177	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 09:20	08/15/2016 21:11	AMC
319-84-6	alpha-BHC	ND		mg/kg dry	0.00177	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 09:20	08/15/2016 21:11	AMC
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00177	0.00177	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/15/2016 09:20	08/15/2016 21:11	AMC
319-85-7	beta-BHC	ND		mg/kg dry	0.00177	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 09:20	08/15/2016 21:11	AMC
57-74-9	Chlordane, total	ND		mg/kg dry	0.0706	0.0706	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 09:20	08/15/2016 21:11	AMC
319-86-8	delta-BHC	ND		mg/kg dry	0.00177	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 09:20	08/15/2016 21:11	AMC
60-57-1	Dieldrin	ND		mg/kg dry	0.00177	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 09:20	08/15/2016 21:11	AMC
959-98-8	Endosulfan I	ND		mg/kg dry	0.00177	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 09:20	08/15/2016 21:11	AMC
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00177	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 09:20	08/15/2016 21:11	AMC
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00177	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 09:20	08/15/2016 21:11	AMC
72-20-8	Endrin	ND		mg/kg dry	0.00177	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 09:20	08/15/2016 21:11	AMC
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00177	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 09:20	08/15/2016 21:11	AMC
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00177	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 09:20	08/15/2016 21:11	AMC
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00177	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 09:20	08/15/2016 21:11	AMC



Sample Information

Client Sample ID: SB-10 (1'-2')

York Sample ID: 16H0538-06

York Project (SDG) No.

16H0538

Client Project ID

1678 & 1700 Park Avenue

Matrix

Soil

Collection Date/Time

August 10, 2016 2:05 pm

Date Received

08/11/2016

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00177	0.00177	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/15/2016 09:20	08/15/2016 21:11	AMC
76-44-8	Heptachlor	ND		mg/kg dry	0.00177	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 09:20	08/15/2016 21:11	AMC
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00177	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 09:20	08/15/2016 21:11	AMC
72-43-5	Methoxychlor	ND		mg/kg dry	0.00883	0.00883	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 09:20	08/15/2016 21:11	AMC
8001-35-2	Toxaphene	ND		mg/kg dry	0.0893	0.0893	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 09:20	08/15/2016 21:11	AMC
Surrogate Recoveries		Result		Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	37.8 %		30-140							
877-09-8	Surrogate: Tetrachloro-m-xylene	31.5 %		30-140							

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0178	0.0178	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2016 09:20	08/17/2016 23:03	AMC
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0178	0.0178	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2016 09:20	08/17/2016 23:03	AMC
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0178	0.0178	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2016 09:20	08/17/2016 23:03	AMC
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0178	0.0178	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2016 09:20	08/17/2016 23:03	AMC
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0178	0.0178	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2016 09:20	08/17/2016 23:03	AMC
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0178	0.0178	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2016 09:20	08/17/2016 23:03	AMC
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0178	0.0178	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2016 09:20	08/17/2016 23:03	AMC
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0178	0.0178	1	EPA 8082A Certifications:	08/15/2016 09:20	08/17/2016 23:03	AMC
Surrogate Recoveries		Result		Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	34.0 %		30-140							
2051-24-3	Surrogate: Decachlorobiphenyl	27.0 %	GC-Sur	30-140							

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst



Sample Information

Client Sample ID: SB-10 (1'-2')

York Sample ID: 16H0538-06

York Project (SDG) No.

16H0538

Client Project ID

1678 & 1700 Park Avenue

Matrix

Soil

Collection Date/Time

August 10, 2016 2:05 pm

Date Received

08/11/2016

Metals, Target Analyte

Sample Prepared by Method: EPA 3050B

Log-in Notes:

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	7440		mg/kg dry	5.35	5.35	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:45	08/13/2016 03:12	KV
7440-36-0	Antimony	ND		mg/kg dry	0.535	0.535	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:45	08/13/2016 03:12	KV
7440-38-2	Arsenic	4.20		mg/kg dry	1.07	1.07	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:45	08/13/2016 03:12	KV
7440-39-3	Barium	54.3		mg/kg dry	1.07	1.07	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:45	08/13/2016 03:12	KV
7440-41-7	Beryllium	ND		mg/kg dry	0.107	0.107	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:45	08/13/2016 03:12	KV
7440-43-9	Cadmium	0.574		mg/kg dry	0.321	0.321	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:45	08/13/2016 03:12	KV
7440-70-2	Calcium	82900		mg/kg dry	0.535	5.35	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:45	08/13/2016 03:12	KV
7440-47-3	Chromium	13.5		mg/kg dry	0.535	0.535	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:45	08/13/2016 03:12	KV
7440-48-4	Cobalt	9.02		mg/kg dry	0.535	0.535	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:45	08/13/2016 03:12	KV
7440-50-8	Copper	64.3		mg/kg dry	0.535	0.535	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:45	08/13/2016 03:12	KV
7439-89-6	Iron	17000		mg/kg dry	2.14	2.14	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:45	08/13/2016 03:12	KV
7439-92-1	Lead	26.9		mg/kg dry	0.321	0.321	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:45	08/13/2016 03:12	KV
7439-95-4	Magnesium	39900		mg/kg dry	5.35	5.35	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:45	08/13/2016 03:12	KV
7439-96-5	Manganese	222		mg/kg dry	0.535	0.535	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:45	08/13/2016 03:12	KV
7440-02-0	Nickel	16.4		mg/kg dry	0.535	0.535	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:45	08/13/2016 03:12	KV
7440-09-7	Potassium	1610		mg/kg dry	5.35	5.35	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:45	08/13/2016 03:12	KV
7782-49-2	Selenium	2.01		mg/kg dry	1.07	1.07	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:45	08/13/2016 03:12	KV
7440-22-4	Silver	ND		mg/kg dry	0.535	0.535	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:45	08/13/2016 03:12	KV
7440-23-5	Sodium	646		mg/kg dry	10.7	10.7	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 12:45	08/13/2016 03:12	KV
7440-28-0	Thallium	ND		mg/kg dry	1.07	1.07	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:45	08/13/2016 03:12	KV
7440-62-2	Vanadium	65.5		mg/kg dry	1.07	1.07	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:45	08/13/2016 03:12	KV
7440-66-6	Zinc	63.4		mg/kg dry	1.07	1.07	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:45	08/13/2016 03:12	KV



Sample Information

Client Sample ID: SB-10 (1'-2')

York Sample ID: 16H0538-06

York Project (SDG) No.

16H0538

Client Project ID

1678 & 1700 Park Avenue

Matrix

Soil

Collection Date/Time

August 10, 2016 2:05 pm

Date Received

08/11/2016

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.0500		mg/kg dry	0.0321	0.0321	1	EPA 7473	08/12/2016 06:25	08/12/2016 15:52	ALD
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	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	93.5		%	0.100	0.100	1	SM 2540G	08/12/2016 14:31	08/15/2016 10:35	LAB
Certifications: CTDOH											

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.374	0.535	1	EPA 7196A	08/16/2016 07:50	08/16/2016 11:14	LAB
Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP											

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	13.5		mg/kg	0.250	0.500	1	Calculation	08/18/2016 15:12	08/18/2016 15:15	PAM
Certifications:											

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.535	0.535	1	EPA 9014/9010C	08/18/2016 08:42	08/18/2016 14:04	AD
Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP											

Sample Information

Client Sample ID: SB-10 (8'-9')

York Sample ID: 16H0538-07

York Project (SDG) No.

16H0538

Client Project ID

1678 & 1700 Park Avenue

Matrix

Soil

Collection Date/Time

August 10, 2016 2:15 pm

Date Received

08/11/2016

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: SB-10 (8'-9')

York Sample ID: 16H0538-07

York Project (SDG) No.

16H0538

Client Project ID

1678 & 1700 Park Avenue

Matrix

Soil

Collection Date/Time

August 10, 2016 2:15 pm

Date Received

08/11/2016

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	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/16/2016 13:21	08/17/2016 00:31	SS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:21	08/17/2016 00:31	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:21	08/17/2016 00:31	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/16/2016 13:21	08/17/2016 00:31	SS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:21	08/17/2016 00:31	SS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:21	08/17/2016 00:31	SS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:21	08/17/2016 00:31	SS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/16/2016 13:21	08/17/2016 00:31	SS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/16/2016 13:21	08/17/2016 00:31	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/16/2016 13:21	08/17/2016 00:31	SS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/16/2016 13:21	08/17/2016 00:31	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/16/2016 13:21	08/17/2016 00:31	SS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/16/2016 13:21	08/17/2016 00:31	SS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:21	08/17/2016 00:31	SS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:21	08/17/2016 00:31	SS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/16/2016 13:21	08/17/2016 00:31	SS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/16/2016 13:21	08/17/2016 00:31	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:21	08/17/2016 00:31	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:21	08/17/2016 00:31	SS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.050	0.10	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/16/2016 13:21	08/17/2016 00:31	SS
78-93-3	2-Butanone	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/16/2016 13:21	08/17/2016 00:31	SS
591-78-6	2-Hexanone	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/16/2016 13:21	08/17/2016 00:31	SS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/16/2016 13:21	08/17/2016 00:31	SS
67-64-1	Acetone	0.0058	J	mg/kg dry	0.0050	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/16/2016 13:21	08/17/2016 00:31	SS



Sample Information

Client Sample ID: SB-10 (8'-9')

York Sample ID: 16H0538-07

York Project (SDG) No.

16H0538

Client Project ID

1678 & 1700 Park Avenue

Matrix

Soil

Collection Date/Time

August 10, 2016 2:15 pm

Date Received

08/11/2016

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-02-8	Acrolein	ND		mg/kg dry	0.0050	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/16/2016 13:21	08/17/2016 00:31	SS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/16/2016 13:21	08/17/2016 00:31	SS
71-43-2	Benzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:21	08/17/2016 00:31	SS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/16/2016 13:21	08/17/2016 00:31	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:21	08/17/2016 00:31	SS
75-25-2	Bromoform	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:21	08/17/2016 00:31	SS
74-83-9	Bromomethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:21	08/17/2016 00:31	SS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/16/2016 13:21	08/17/2016 00:31	SS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:21	08/17/2016 00:31	SS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:21	08/17/2016 00:31	SS
75-00-3	Chloroethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:21	08/17/2016 00:31	SS
67-66-3	Chloroform	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:21	08/17/2016 00:31	SS
74-87-3	Chloromethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:21	08/17/2016 00:31	SS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/16/2016 13:21	08/17/2016 00:31	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:21	08/17/2016 00:31	SS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/16/2016 13:21	08/17/2016 00:31	SS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:21	08/17/2016 00:31	SS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/16/2016 13:21	08/17/2016 00:31	SS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/16/2016 13:21	08/17/2016 00:31	SS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:21	08/17/2016 00:31	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/16/2016 13:21	08/17/2016 00:31	SS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/16/2016 13:21	08/17/2016 00:31	SS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/16/2016 13:21	08/17/2016 00:31	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/16/2016 13:21	08/17/2016 00:31	SS



Sample Information

Client Sample ID: SB-10 (8'-9')

York Sample ID: 16H0538-07

York Project (SDG) No.

16H0538

Client Project ID

1678 & 1700 Park Avenue

Matrix

Soil

Collection Date/Time

August 10, 2016 2:15 pm

Date Received

08/11/2016

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/16/2016 13:21	08/17/2016 00:31	SS
75-09-2	Methylene chloride	0.0054	J	mg/kg dry	0.0050	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:21	08/17/2016 00:31	SS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/16/2016 13:21	08/17/2016 00:31	SS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/16/2016 13:21	08/17/2016 00:31	SS
95-47-6	o-Xylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854	08/16/2016 13:21	08/17/2016 00:31	SS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0050	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854	08/16/2016 13:21	08/17/2016 00:31	SS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/16/2016 13:21	08/17/2016 00:31	SS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/16/2016 13:21	08/17/2016 00:31	SS
100-42-5	Styrene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/16/2016 13:21	08/17/2016 00:31	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/16/2016 13:21	08/17/2016 00:31	SS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/16/2016 13:21	08/17/2016 00:31	SS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:21	08/17/2016 00:31	SS
108-88-3	Toluene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:21	08/17/2016 00:31	SS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/16/2016 13:21	08/17/2016 00:31	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:21	08/17/2016 00:31	SS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:21	08/17/2016 00:31	SS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:21	08/17/2016 00:31	SS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:21	08/17/2016 00:31	SS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0076	0.015	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:21	08/17/2016 00:31	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	109 %	77-125								
2037-26-5	Surrogate: Toluene-d8	98.8 %	85-120								
460-00-4	Surrogate: p-Bromofluorobenzene	94.4 %	76-130								

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: SB-10 (8'-9')

York Sample ID: 16H0538-07

York Project (SDG) No.

16H0538

Client Project ID

1678 & 1700 Park Avenue

Matrix

Soil

Collection Date/Time

August 10, 2016 2:15 pm

Date Received

08/11/2016

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1'-Biphenyl	ND		mg/kg dry	0.0664	0.133	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 21:48	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.133	0.265	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 21:48	KH
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0664	0.133	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 21:48	KH
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0664	0.133	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/16/2016 13:30	08/17/2016 21:48	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0664	0.133	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 21:48	KH
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0664	0.133	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/16/2016 13:30	08/17/2016 21:48	KH
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0664	0.133	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/16/2016 13:30	08/17/2016 21:48	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.133	0.265	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 21:48	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0664	0.133	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 21:48	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0664	0.133	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 21:48	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0664	0.133	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 21:48	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0664	0.133	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 21:48	KH
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.133	0.265	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 21:48	KH
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0664	0.133	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 21:48	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0664	0.133	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 21:48	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0664	0.133	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 21:48	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0664	0.133	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 21:48	KH
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0664	0.133	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 21:48	KH
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0664	0.133	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 21:48	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.133	0.265	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 21:48	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0664	0.133	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 21:48	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0664	0.133	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 21:48	KH
91-94-1	3,3'-Dichlorobenzidine	ND		mg/kg dry	0.0664	0.133	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 21:48	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.133	0.265	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 21:48	KH



Sample Information

Client Sample ID: SB-10 (8'-9')

York Sample ID: 16H0538-07

York Project (SDG) No.
16H0538

Client Project ID
1678 & 1700 Park Avenue

Matrix
Soil

Collection Date/Time
August 10, 2016 2:15 pm

Date Received
08/11/2016

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.133	0.265	2	EPA 8270D Certifications:	08/16/2016 13:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2016 21:48	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0664	0.133	2	EPA 8270D Certifications:	08/16/2016 13:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2016 21:48	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0664	0.133	2	EPA 8270D Certifications:	08/16/2016 13:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2016 21:48	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0664	0.133	2	EPA 8270D Certifications:	08/16/2016 13:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2016 21:48	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0664	0.133	2	EPA 8270D Certifications:	08/16/2016 13:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2016 21:48	KH
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.133	0.265	2	EPA 8270D Certifications:	08/16/2016 13:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2016 21:48	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.133	0.265	2	EPA 8270D Certifications:	08/16/2016 13:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2016 21:48	KH
83-32-9	Acenaphthene	ND		mg/kg dry	0.0664	0.133	2	EPA 8270D Certifications:	08/16/2016 13:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2016 21:48	KH
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0664	0.133	2	EPA 8270D Certifications:	08/16/2016 13:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2016 21:48	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0664	0.133	2	EPA 8270D Certifications:	08/16/2016 13:30 NELAC-NY10854,NJDEP,PADEP	08/17/2016 21:48	KH
62-53-3	Aniline	ND		mg/kg dry	0.265	0.531	2	EPA 8270D Certifications:	08/16/2016 13:30 NELAC-NY10854,NJDEP,PADEP	08/17/2016 21:48	KH
120-12-7	Anthracene	ND		mg/kg dry	0.0664	0.133	2	EPA 8270D Certifications:	08/16/2016 13:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2016 21:48	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0664	0.133	2	EPA 8270D Certifications:	08/16/2016 13:30 NELAC-NY10854,NJDEP,PADEP	08/17/2016 21:48	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0664	0.133	2	EPA 8270D Certifications:	08/16/2016 13:30 NELAC-NY10854,NJDEP,PADEP	08/17/2016 21:48	KH
92-87-5	Benzidine	ND		mg/kg dry	0.265	0.531	2	EPA 8270D Certifications:	08/16/2016 13:30 CTDOH,NELAC-NY10854,PADEP	08/17/2016 21:48	KH
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0664	0.133	2	EPA 8270D Certifications:	08/16/2016 13:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2016 21:48	KH
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0664	0.133	2	EPA 8270D Certifications:	08/16/2016 13:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2016 21:48	KH
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0664	0.133	2	EPA 8270D Certifications:	08/16/2016 13:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2016 21:48	KH
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0664	0.133	2	EPA 8270D Certifications:	08/16/2016 13:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2016 21:48	KH
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0664	0.133	2	EPA 8270D Certifications:	08/16/2016 13:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2016 21:48	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0664	0.133	2	EPA 8270D Certifications:	08/16/2016 13:30 NELAC-NY10854,NJDEP,PADEP	08/17/2016 21:48	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0664	0.133	2	EPA 8270D Certifications:	08/16/2016 13:30 NELAC-NY10854,NJDEP,PADEP	08/17/2016 21:48	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0664	0.133	2	EPA 8270D Certifications:	08/16/2016 13:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2016 21:48	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0664	0.133	2	EPA 8270D Certifications:	08/16/2016 13:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2016 21:48	KH



Sample Information

Client Sample ID: SB-10 (8'-9')

York Sample ID: 16H0538-07

York Project (SDG) No.

16H0538

Client Project ID

1678 & 1700 Park Avenue

Matrix

Soil

Collection Date/Time

August 10, 2016 2:15 pm

Date Received

08/11/2016

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0664	0.133	2	EPA 8270D Certifications:	08/16/2016 13:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2016 21:48	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0664	0.133	2	EPA 8270D Certifications:	08/16/2016 13:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2016 21:48	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0664	0.133	2	EPA 8270D Certifications:	08/16/2016 13:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2016 21:48	KH
105-60-2	Caprolactam	ND		mg/kg dry	0.133	0.265	2	EPA 8270D Certifications:	08/16/2016 13:30 NELAC-NY10854,NJDEP,PADEP	08/17/2016 21:48	KH
86-74-8	Carbazole	ND		mg/kg dry	0.0664	0.133	2	EPA 8270D Certifications:	08/16/2016 13:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2016 21:48	KH
218-01-9	Chrysene	ND		mg/kg dry	0.0664	0.133	2	EPA 8270D Certifications:	08/16/2016 13:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2016 21:48	KH
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0664	0.133	2	EPA 8270D Certifications:	08/16/2016 13:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2016 21:48	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0664	0.133	2	EPA 8270D Certifications:	08/16/2016 13:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2016 21:48	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0664	0.133	2	EPA 8270D Certifications:	08/16/2016 13:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2016 21:48	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0664	0.133	2	EPA 8270D Certifications:	08/16/2016 13:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2016 21:48	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0664	0.133	2	EPA 8270D Certifications:	08/16/2016 13:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2016 21:48	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0664	0.133	2	EPA 8270D Certifications:	08/16/2016 13:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2016 21:48	KH
206-44-0	Fluoranthene	ND		mg/kg dry	0.0664	0.133	2	EPA 8270D Certifications:	08/16/2016 13:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2016 21:48	KH
86-73-7	Fluorene	ND		mg/kg dry	0.0664	0.133	2	EPA 8270D Certifications:	08/16/2016 13:30 NELAC-NY10854,NJDEP,PADEP	08/17/2016 21:48	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0664	0.133	2	EPA 8270D Certifications:	08/16/2016 13:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2016 21:48	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0664	0.133	2	EPA 8270D Certifications:	08/16/2016 13:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2016 21:48	KH
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0664	0.133	2	EPA 8270D Certifications:	08/16/2016 13:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2016 21:48	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0664	0.133	2	EPA 8270D Certifications:	08/16/2016 13:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2016 21:48	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0664	0.133	2	EPA 8270D Certifications:	08/16/2016 13:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2016 21:48	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0664	0.133	2	EPA 8270D Certifications:	08/16/2016 13:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2016 21:48	KH
91-20-3	Naphthalene	ND		mg/kg dry	0.0664	0.133	2	EPA 8270D Certifications:	08/16/2016 13:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2016 21:48	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0664	0.133	2	EPA 8270D Certifications:	08/16/2016 13:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2016 21:48	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0664	0.133	2	EPA 8270D Certifications:	08/16/2016 13:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2016 21:48	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0664	0.133	2	EPA 8270D Certifications:	08/16/2016 13:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2016 21:48	KH



Sample Information

Client Sample ID: SB-10 (8'-9')

York Sample ID: 16H0538-07

York Project (SDG) No.

16H0538

Client Project ID

1678 & 1700 Park Avenue

Matrix

Soil

Collection Date/Time

August 10, 2016 2:15 pm

Date Received

08/11/2016

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0664	0.133	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 21:48	KH
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0664	0.133	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 21:48	KH
85-01-8	Phenanthrene	ND		mg/kg dry	0.0664	0.133	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 21:48	KH
108-95-2	Phenol	ND		mg/kg dry	0.0664	0.133	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 21:48	KH
129-00-0	Pyrene	ND		mg/kg dry	0.0664	0.133	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2016 13:30	08/17/2016 21:48	KH
Surrogate Recoveries		Result		Acceptance Range							
367-12-4	Surrogate: 2-Fluorophenol	56.6 %				20-108					
4165-62-2	Surrogate: Phenol-d5	71.5 %				23-114					
4165-60-0	Surrogate: Nitrobenzene-d5	60.9 %				22-108					
321-60-8	Surrogate: 2-Fluorobiphenyl	69.0 %				21-113					
118-79-6	Surrogate: 2,4,6-Tribromophenol	29.2 %				19-110					
1718-51-0	Surrogate: Terphenyl-d14	49.9 %				24-116					

Pesticides, 8081 target list

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
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00175	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 09:20	08/17/2016 03:49	AMC
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00175	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 09:20	08/17/2016 03:49	AMC
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00175	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 09:20	08/17/2016 03:49	AMC
309-00-2	Aldrin	ND		mg/kg dry	0.00175	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 09:20	08/17/2016 03:49	AMC
319-84-6	alpha-BHC	ND		mg/kg dry	0.00175	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 09:20	08/17/2016 03:49	AMC
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00175	0.00175	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/15/2016 09:20	08/17/2016 03:49	AMC
319-85-7	beta-BHC	ND		mg/kg dry	0.00175	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 09:20	08/17/2016 03:49	AMC
57-74-9	Chlordane, total	ND		mg/kg dry	0.0699	0.0699	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 09:20	08/17/2016 03:49	AMC
319-86-8	delta-BHC	ND		mg/kg dry	0.00175	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 09:20	08/17/2016 03:49	AMC
60-57-1	Dieldrin	ND		mg/kg dry	0.00175	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 09:20	08/17/2016 03:49	AMC
959-98-8	Endosulfan I	ND		mg/kg dry	0.00175	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 09:20	08/17/2016 03:49	AMC



Sample Information

Client Sample ID: SB-10 (8'-9')

York Sample ID: 16H0538-07

York Project (SDG) No.
16H0538

Client Project ID
1678 & 1700 Park Avenue

Matrix
Soil

Collection Date/Time
August 10, 2016 2:15 pm

Date Received
08/11/2016

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00175	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 09:20	08/17/2016 03:49	AMC
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00175	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 09:20	08/17/2016 03:49	AMC
72-20-8	Endrin	ND		mg/kg dry	0.00175	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 09:20	08/17/2016 03:49	AMC
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00175	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 09:20	08/17/2016 03:49	AMC
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00175	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 09:20	08/17/2016 03:49	AMC
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00175	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 09:20	08/17/2016 03:49	AMC
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00175	0.00175	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/15/2016 09:20	08/17/2016 03:49	AMC
76-44-8	Heptachlor	ND		mg/kg dry	0.00175	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 09:20	08/17/2016 03:49	AMC
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00175	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 09:20	08/17/2016 03:49	AMC
72-43-5	Methoxychlor	ND		mg/kg dry	0.00874	0.00874	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 09:20	08/17/2016 03:49	AMC
8001-35-2	Toxaphene	ND		mg/kg dry	0.0884	0.0884	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2016 09:20	08/17/2016 03:49	AMC
Surrogate Recoveries		Result		Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	65.2 %		30-140							
877-09-8	Surrogate: Tetrachloro-m-xylene	62.5 %		30-140							

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0176	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2016 09:20	08/17/2016 23:41	AMC
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0176	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2016 09:20	08/17/2016 23:41	AMC
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0176	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2016 09:20	08/17/2016 23:41	AMC
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0176	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2016 09:20	08/17/2016 23:41	AMC
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0176	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2016 09:20	08/17/2016 23:41	AMC
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0176	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2016 09:20	08/17/2016 23:41	AMC
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0176	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2016 09:20	08/17/2016 23:41	AMC
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0176	0.0176	1	EPA 8082A Certifications:	08/15/2016 09:20	08/17/2016 23:41	AMC



Sample Information

Client Sample ID: SB-10 (8'-9')

York Sample ID: 16H0538-07

York Project (SDG) No.
16H0538

Client Project ID
1678 & 1700 Park Avenue

Matrix
Soil

Collection Date/Time
August 10, 2016 2:15 pm

Date Received
08/11/2016

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
Surrogate Recoveries		Result		Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	78.5 %				30-140					
2051-24-3	Surrogate: Decachlorobiphenyl	69.0 %				30-140					

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	22600		mg/kg dry	5.30	5.30	1	EPA 6010C	08/12/2016 12:45	08/13/2016 03:16	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-36-0	Antimony	ND		mg/kg dry	0.530	0.530	1	EPA 6010C	08/12/2016 12:45	08/13/2016 03:16	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-38-2	Arsenic	ND		mg/kg dry	1.06	1.06	1	EPA 6010C	08/12/2016 12:45	08/13/2016 03:16	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	Barium	320		mg/kg dry	1.06	1.06	1	EPA 6010C	08/12/2016 12:45	08/13/2016 03:16	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/kg dry	0.106	0.106	1	EPA 6010C	08/12/2016 12:45	08/13/2016 03:16	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	Cadmium	0.869		mg/kg dry	0.318	0.318	1	EPA 6010C	08/12/2016 12:45	08/13/2016 03:16	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	Calcium	15100		mg/kg dry	0.530	5.30	1	EPA 6010C	08/12/2016 12:45	08/13/2016 03:16	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	Chromium	41.1		mg/kg dry	0.530	0.530	1	EPA 6010C	08/12/2016 12:45	08/13/2016 03:16	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	Cobalt	34.8		mg/kg dry	0.530	0.530	1	EPA 6010C	08/12/2016 12:45	08/13/2016 03:16	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	Copper	4.85		mg/kg dry	0.530	0.530	1	EPA 6010C	08/12/2016 12:45	08/13/2016 03:16	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	Iron	50200		mg/kg dry	212	212	100	EPA 6010C	08/12/2016 12:45	08/15/2016 10:17	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	Lead	7.28		mg/kg dry	0.318	0.318	1	EPA 6010C	08/12/2016 12:45	08/13/2016 03:16	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	Magnesium	11800		mg/kg dry	5.30	5.30	1	EPA 6010C	08/12/2016 12:45	08/13/2016 03:16	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	Manganese	353		mg/kg dry	0.530	0.530	1	EPA 6010C	08/12/2016 12:45	08/13/2016 03:16	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	Nickel	54.0		mg/kg dry	0.530	0.530	1	EPA 6010C	08/12/2016 12:45	08/13/2016 03:16	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	Potassium	17500		mg/kg dry	530	530	100	EPA 6010C	08/12/2016 12:45	08/15/2016 10:17	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	6.29		mg/kg dry	1.06	1.06	1	EPA 6010C	08/12/2016 12:45	08/13/2016 03:16	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		



Sample Information

Client Sample ID: SB-10 (8'-9')

York Sample ID: 16H0538-07

York Project (SDG) No.

16H0538

Client Project ID

1678 & 1700 Park Avenue

Matrix

Soil

Collection Date/Time

August 10, 2016 2:15 pm

Date Received

08/11/2016

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-22-4	Silver	ND		mg/kg dry	0.530	0.530	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:45	08/13/2016 03:16	KV
7440-23-5	Sodium	383		mg/kg dry	10.6	10.6	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/12/2016 12:45	08/13/2016 03:16	KV
7440-28-0	Thallium	ND		mg/kg dry	1.06	1.06	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:45	08/13/2016 03:16	KV
7440-62-2	Vanadium	74.4		mg/kg dry	1.06	1.06	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:45	08/13/2016 03:16	KV
7440-66-6	Zinc	107		mg/kg dry	1.06	1.06	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2016 12:45	08/13/2016 03:16	KV

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0318	0.0318	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	08/12/2016 06:25	08/12/2016 16:01	ALD

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	94.4		%	0.100	0.100	1	SM 2540G Certifications: CTDOH	08/12/2016 14:31	08/15/2016 10:35	LAB

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.371	0.530	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	08/16/2016 07:50	08/16/2016 11:14	LAB

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	41.1		mg/kg	0.250	0.500	1	Calculation Certifications:	08/18/2016 15:12	08/18/2016 15:15	PAM

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst



Sample Information

Client Sample ID: SB-10 (8'-9')

York Sample ID: 16H0538-07

York Project (SDG) No.

16H0538

Client Project ID

1678 & 1700 Park Avenue

Matrix

Soil

Collection Date/Time

August 10, 2016 2:15 pm

Date Received

08/11/2016

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.530	0.530	1	EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/18/2016 08:42	08/18/2016 14:04	AD

Sample Information

Client Sample ID: Trip Blank

York Sample ID: 16H0538-08

York Project (SDG) No.

16H0538

Client Project ID

1678 & 1700 Park Avenue

Matrix

Water

Collection Date/Time

August 10, 2016 12:00 am

Date Received

08/11/2016

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/15/2016 08:30	08/15/2016 14:40	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/15/2016 08:30	08/15/2016 14:40	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/15/2016 08:30	08/15/2016 14:40	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/15/2016 08:30	08/15/2016 14:40	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/15/2016 08:30	08/15/2016 14:40	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/15/2016 08:30	08/15/2016 14:40	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/15/2016 08:30	08/15/2016 14:40	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/15/2016 08:30	08/15/2016 14:40	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/15/2016 08:30	08/15/2016 14:40	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/15/2016 08:30	08/15/2016 14:40	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/15/2016 08:30	08/15/2016 14:40	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/15/2016 08:30	08/15/2016 14:40	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/15/2016 08:30	08/15/2016 14:40	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/15/2016 08:30	08/15/2016 14:40	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/15/2016 08:30	08/15/2016 14:40	SS



Sample Information

Client Sample ID: Trip Blank

York Sample ID: 16H0538-08

York Project (SDG) No.

16H0538

Client Project ID

1678 & 1700 Park Avenue

Matrix

Water

Collection Date/Time

August 10, 2016 12:00 am

Date Received

08/11/2016

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/15/2016 08:30	08/15/2016 14:40	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/15/2016 08:30	08/15/2016 14:40	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/15/2016 08:30	08/15/2016 14:40	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/15/2016 08:30	08/15/2016 14:40	SS
123-91-1	1,4-Dioxane	ND		ug/L	40	80	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/15/2016 08:30	08/15/2016 14:40	SS
78-93-3	2-Butanone	ND		ug/L	0.20	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/15/2016 08:30	08/15/2016 14:40	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/15/2016 08:30	08/15/2016 14:40	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/15/2016 08:30	08/15/2016 14:40	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/15/2016 08:30	08/15/2016 14:40	SS
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/15/2016 08:30	08/15/2016 14:40	SS
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/15/2016 08:30	08/15/2016 14:40	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/15/2016 08:30	08/15/2016 14:40	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/15/2016 08:30	08/15/2016 14:40	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/15/2016 08:30	08/15/2016 14:40	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/15/2016 08:30	08/15/2016 14:40	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/15/2016 08:30	08/15/2016 14:40	SS
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/15/2016 08:30	08/15/2016 14:40	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/15/2016 08:30	08/15/2016 14:40	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/15/2016 08:30	08/15/2016 14:40	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/15/2016 08:30	08/15/2016 14:40	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/15/2016 08:30	08/15/2016 14:40	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/15/2016 08:30	08/15/2016 14:40	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/15/2016 08:30	08/15/2016 14:40	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/15/2016 08:30	08/15/2016 14:40	SS



Sample Information

Client Sample ID: Trip Blank

York Sample ID: 16H0538-08

York Project (SDG) No.

16H0538

Client Project ID

1678 & 1700 Park Avenue

Matrix

Water

Collection Date/Time

August 10, 2016 12:00 am

Date Received

08/11/2016

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/15/2016 08:30	08/15/2016 14:40	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/15/2016 08:30	08/15/2016 14:40	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/15/2016 08:30	08/15/2016 14:40	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/15/2016 08:30	08/15/2016 14:40	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/15/2016 08:30	08/15/2016 14:40	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/15/2016 08:30	08/15/2016 14:40	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/15/2016 08:30	08/15/2016 14:40	SS
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/15/2016 08:30	08/15/2016 14:40	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/15/2016 08:30	08/15/2016 14:40	SS
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/15/2016 08:30	08/15/2016 14:40	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/15/2016 08:30	08/15/2016 14:40	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/15/2016 08:30	08/15/2016 14:40	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/15/2016 08:30	08/15/2016 14:40	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854	08/15/2016 08:30	08/15/2016 14:40	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: NELAC-NY10854	08/15/2016 08:30	08/15/2016 14:40	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/15/2016 08:30	08/15/2016 14:40	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/15/2016 08:30	08/15/2016 14:40	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/15/2016 08:30	08/15/2016 14:40	SS
75-65-0	tert-Butyl alcohol (TBA)	1.4	J	ug/L	0.50	2.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	08/15/2016 08:30	08/15/2016 14:40	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/15/2016 08:30	08/15/2016 14:40	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/15/2016 08:30	08/15/2016 14:40	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/15/2016 08:30	08/15/2016 14:40	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/15/2016 08:30	08/15/2016 14:40	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/15/2016 08:30	08/15/2016 14:40	SS



Sample Information

Client Sample ID: Trip Blank

York Sample ID: 16H0538-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

16H0538

1678 & 1700 Park Avenue

Water

August 10, 2016 12:00 am

08/11/2016

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/15/2016 08:30	08/15/2016 14:40	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/15/2016 08:30	08/15/2016 14:40	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/15/2016 08:30	08/15/2016 14:40	SS
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NJDEP	08/15/2016 08:30	08/15/2016 14:40	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	93.6 %	69-130								
2037-26-5	Surrogate: Toluene-d8	98.6 %	81-117								
460-00-4	Surrogate: p-Bromofluorobenzene	98.6 %	79-122								



Analytical Batch Summary

Batch ID: BH60763 **Preparation Method:** EPA 7473 soil **Prepared By:** ALD

YORK Sample ID	Client Sample ID	Preparation Date
16H0538-01	SB-9 (4'-5')	08/12/16
16H0538-02	SB-9 (8'-9')	08/12/16
16H0538-04	SB-8 (1'-2')	08/12/16
16H0538-05	SB-8 (8'-9')	08/12/16
16H0538-06	SB-10 (1'-2')	08/12/16
16H0538-07	SB-10 (8'-9')	08/12/16
BH60763-BLK1	Blank	08/12/16
BH60763-SRM1	Reference	08/12/16

Batch ID: BH60803 **Preparation Method:** EPA 3015A **Prepared By:** ALD

YORK Sample ID	Client Sample ID	Preparation Date
16H0538-03	TW-2	08/12/16
BH60803-BLK1	Blank	08/12/16
BH60803-SRM1	Reference	08/12/16

Batch ID: BH60804 **Preparation Method:** EPA 3015A **Prepared By:** ALD

YORK Sample ID	Client Sample ID	Preparation Date
16H0538-03	TW-2	08/12/16
BH60804-BLK1	Blank	08/12/16
BH60804-SRM1	Reference	08/12/16

Batch ID: BH60812 **Preparation Method:** EPA 3050B **Prepared By:** ALD

YORK Sample ID	Client Sample ID	Preparation Date
16H0538-01	SB-9 (4'-5')	08/12/16
16H0538-02	SB-9 (8'-9')	08/12/16
16H0538-04	SB-8 (1'-2')	08/12/16
16H0538-05	SB-8 (8'-9')	08/12/16
16H0538-06	SB-10 (1'-2')	08/12/16
16H0538-07	SB-10 (8'-9')	08/12/16
BH60812-BLK1	Blank	08/12/16
BH60812-DUP1	Duplicate	08/12/16
BH60812-MS1	Matrix Spike	08/12/16

Batch ID: BH60817 **Preparation Method:** EPA 3015A **Prepared By:** ALD

YORK Sample ID	Client Sample ID	Preparation Date
16H0538-03	TW-2	08/12/16
BH60817-BLK1	Blank	08/12/16
BH60817-SRM1	Reference	08/12/16

**Batch ID:** BH60826**Preparation Method:** % Solids Prep**Prepared By:** TJM

YORK Sample ID	Client Sample ID	Preparation Date
16H0538-01	SB-9 (4'-5')	08/12/16
16H0538-02	SB-9 (8'-9')	08/12/16
16H0538-04	SB-8 (1'-2')	08/12/16
16H0538-05	SB-8 (8'-9')	08/12/16
16H0538-06	SB-10 (1'-2')	08/12/16
16H0538-07	SB-10 (8'-9')	08/12/16

Batch ID: BH60859**Preparation Method:** EPA 7473 water**Prepared By:** ALD

YORK Sample ID	Client Sample ID	Preparation Date
16H0538-03	TW-2	08/15/16
BH60859-BLK1	Blank	08/15/16
BH60859-SRM1	Reference	08/15/16

Batch ID: BH60869**Preparation Method:** EPA 5030B**Prepared By:** BGS

YORK Sample ID	Client Sample ID	Preparation Date
16H0538-03	TW-2	08/15/16
16H0538-08	Trip Blank	08/15/16
BH60869-BLK1	Blank	08/15/16
BH60869-BS1	LCS	08/15/16
BH60869-BSD1	LCS Dup	08/15/16

Batch ID: BH60884**Preparation Method:** EPA 3550C**Prepared By:** TB

YORK Sample ID	Client Sample ID	Preparation Date
16H0538-01	SB-9 (4'-5')	08/15/16
16H0538-01	SB-9 (4'-5')	08/15/16
16H0538-02	SB-9 (8'-9')	08/15/16
16H0538-02	SB-9 (8'-9')	08/15/16
16H0538-04	SB-8 (1'-2')	08/15/16
16H0538-04	SB-8 (1'-2')	08/15/16
16H0538-05	SB-8 (8'-9')	08/15/16
16H0538-05	SB-8 (8'-9')	08/15/16
16H0538-06	SB-10 (1'-2')	08/15/16
16H0538-06	SB-10 (1'-2')	08/15/16
16H0538-07	SB-10 (8'-9')	08/15/16
16H0538-07	SB-10 (8'-9')	08/15/16
BH60884-BLK1	Blank	08/15/16
BH60884-BLK2	Blank	08/15/16
BH60884-BS1	LCS	08/15/16
BH60884-BS2	LCS	08/15/16
BH60884-BSD1	LCS Dup	08/15/16
BH60884-BSD2	LCS Dup	08/15/16
BH60884-MS1	Matrix Spike	08/15/16



Batch ID: BH60889

Preparation Method: EPA 200.7

Prepared By: ALD

YORK Sample ID	Client Sample ID	Preparation Date
16H0538-03	TW-2	08/15/16
BH60889-BLK1	Blank	08/15/16
BH60889-SRM1	Reference	08/15/16

Batch ID: BH60908

Preparation Method: EPA SW846-3510C Low Level

Prepared By: RDS

YORK Sample ID	Client Sample ID	Preparation Date
16H0538-03	TW-2	08/15/16
16H0538-03	TW-2	08/15/16
BH60908-BLK1	Blank	08/15/16
BH60908-BLK2	Blank	08/15/16
BH60908-BS1	LCS	08/15/16
BH60908-BS2	LCS	08/15/16
BH60908-BSD1	LCS Dup	08/15/16
BH60908-BSD2	LCS Dup	08/15/16

Batch ID: BH60947

Preparation Method: EPA 5035A

Prepared By: BGS

YORK Sample ID	Client Sample ID	Preparation Date
16H0538-01	SB-9 (4'-5')	08/16/16
16H0538-02	SB-9 (8'-9')	08/16/16
16H0538-04	SB-8 (1'-2')	08/16/16
16H0538-05	SB-8 (8'-9')	08/16/16
16H0538-06	SB-10 (1'-2')	08/16/16
16H0538-07	SB-10 (8'-9')	08/16/16
BH60947-BLK1	Blank	08/16/16
BH60947-BS1	LCS	08/16/16
BH60947-BSD1	LCS Dup	08/16/16

Batch ID: BH60953

Preparation Method: EPA SW846-3060

Prepared By: LAB

YORK Sample ID	Client Sample ID	Preparation Date
16H0538-01	SB-9 (4'-5')	08/16/16
16H0538-02	SB-9 (8'-9')	08/16/16
16H0538-04	SB-8 (1'-2')	08/16/16
16H0538-05	SB-8 (8'-9')	08/16/16
16H0538-06	SB-10 (1'-2')	08/16/16
16H0538-07	SB-10 (8'-9')	08/16/16
BH60953-BLK1	Blank	08/16/16
BH60953-SRM1	Reference	08/16/16

Batch ID: BH60974

Preparation Method: EPA 3546 SVOA

Prepared By: MGL

YORK Sample ID	Client Sample ID	Preparation Date
16H0538-01	SB-9 (4'-5')	08/16/16
16H0538-02	SB-9 (8'-9')	08/16/16



16H0538-04	SB-8 (1'-2')	08/16/16
16H0538-05	SB-8 (8'-9')	08/16/16
16H0538-06	SB-10 (1'-2')	08/16/16
16H0538-07	SB-10 (8'-9')	08/16/16
BH60974-BLK1	Blank	08/16/16
BH60974-BS1	LCS	08/16/16
BH60974-BSD1	LCS Dup	08/16/16

Batch ID: BH60980 **Preparation Method:** EPA 3510C **Prepared By:** RDS

YORK Sample ID	Client Sample ID	Preparation Date
16H0538-03	TW-2	08/16/16
BH60980-BLK1	Blank	08/16/16
BH60980-BLK2	Blank	08/16/16
BH60980-BS1	LCS	08/16/16
BH60980-BS2	LCS	08/16/16
BH60980-BSD1	LCS Dup	08/16/16

Batch ID: BH61110 **Preparation Method:** Analysis Preparation Soil **Prepared By:** AD

YORK Sample ID	Client Sample ID	Preparation Date
16H0538-01	SB-9 (4'-5')	08/18/16
16H0538-02	SB-9 (8'-9')	08/18/16
16H0538-04	SB-8 (1'-2')	08/18/16
16H0538-05	SB-8 (8'-9')	08/18/16
16H0538-06	SB-10 (1'-2')	08/18/16
16H0538-07	SB-10 (8'-9')	08/18/16
BH61110-BLK1	Blank	08/18/16
BH61110-DUP1	Duplicate	08/18/16
BH61110-MS1	Matrix Spike	08/18/16
BH61110-SRM1	Reference	08/18/16

Batch ID: BH61139 **Preparation Method:** Analysis Preparation **Prepared By:** PAM

YORK Sample ID	Client Sample ID	Preparation Date
16H0538-01	SB-9 (4'-5')	08/18/16
16H0538-02	SB-9 (8'-9')	08/18/16
16H0538-04	SB-8 (1'-2')	08/18/16
16H0538-05	SB-8 (8'-9')	08/18/16
16H0538-06	SB-10 (1'-2')	08/18/16
16H0538-07	SB-10 (8'-9')	08/18/16



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 BH60869 - EPA 5030B

Blank (BH60869-BLK1)

Prepared & Analyzed: 08/15/2016

1,1,1,2-Tetrachloroethane	ND	0.50	ug/L
1,1,1-Trichloroethane	ND	0.50	"
1,1,2,2-Tetrachloroethane	ND	0.50	"
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"
1,1,2-Trichloroethane	ND	0.50	"
1,1-Dichloroethane	ND	0.50	"
1,1-Dichloroethylene	ND	0.50	"
1,2,3-Trichlorobenzene	ND	0.50	"
1,2,3-Trichloropropane	ND	0.50	"
1,2,4-Trichlorobenzene	ND	0.50	"
1,2,4-Trimethylbenzene	ND	0.50	"
1,2-Dibromo-3-chloropropane	ND	2.0	"
1,2-Dibromoethane	ND	0.50	"
1,2-Dichlorobenzene	ND	0.50	"
1,2-Dichloroethane	ND	0.50	"
1,2-Dichloropropane	ND	0.50	"
1,3,5-Trimethylbenzene	ND	0.50	"
1,3-Dichlorobenzene	ND	0.50	"
1,4-Dichlorobenzene	ND	0.50	"
1,4-Dioxane	ND	80	"
2-Butanone	ND	2.0	"
2-Hexanone	ND	2.0	"
4-Methyl-2-pentanone	ND	0.50	"
Acetone	ND	2.0	"
Acrolein	ND	0.50	"
Acrylonitrile	ND	0.50	"
Benzene	ND	0.50	"
Bromochloromethane	ND	0.50	"
Bromodichloromethane	ND	0.50	"
Bromoform	ND	0.50	"
Bromomethane	ND	0.50	"
Carbon disulfide	ND	0.50	"
Carbon tetrachloride	ND	0.50	"
Chlorobenzene	ND	0.50	"
Chloroethane	ND	0.50	"
Chloroform	ND	0.50	"
Chloromethane	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	"
Dichlorodifluoromethane	ND	0.50	"
Ethyl Benzene	ND	0.50	"
Hexachlorobutadiene	ND	0.50	"
Isopropylbenzene	ND	0.50	"
Methyl acetate	ND	0.50	"
Methyl tert-butyl ether (MTBE)	ND	0.50	"
Methylcyclohexane	ND	0.50	"
Methylene chloride	ND	2.0	"
n-Butylbenzene	ND	0.50	"



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BH60869 - EPA 5030B

Blank (BH60869-BLK1)

Prepared & Analyzed: 08/15/2016

n-Propylbenzene	ND	0.50	ug/L
o-Xylene	ND	0.50	"
p- & m- Xylenes	ND	1.0	"
p-Isopropyltoluene	ND	0.50	"
sec-Butylbenzene	ND	0.50	"
Styrene	ND	0.50	"
tert-Butyl alcohol (TBA)	ND	2.0	"
tert-Butylbenzene	ND	0.50	"
Tetrachloroethylene	ND	0.50	"
Toluene	ND	0.50	"
trans-1,2-Dichloroethylene	ND	0.50	"
trans-1,3-Dichloropropylene	ND	0.50	"
Trichloroethylene	ND	0.50	"
Trichlorofluoromethane	ND	0.50	"
Vinyl Chloride	ND	0.50	"
Xylenes, Total	ND	1.5	"

Surrogate: 1,2-Dichloroethane-d4	9.46	"	10.0	94.6	69-130
Surrogate: Toluene-d8	9.81	"	10.0	98.1	81-117
Surrogate: p-Bromofluorobenzene	10.4	"	10.0	104	79-122

LCS (BH60869-BS1)

Prepared & Analyzed: 08/15/2016

1,1,1,2-Tetrachloroethane	10	ug/L	10.0	99.8	82-126
1,1,1-Trichloroethane	10	"	10.0	104	78-136
1,1,2,2-Tetrachloroethane	10	"	10.0	100	76-129
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10	"	10.0	103	54-165
1,1,2-Trichloroethane	9.7	"	10.0	96.7	82-123
1,1-Dichloroethane	11	"	10.0	107	82-129
1,1-Dichloroethylene	10	"	10.0	102	68-138
1,2,3-Trichlorobenzene	9.9	"	10.0	99.4	76-136
1,2,3-Trichloropropane	10	"	10.0	100	77-128
1,2,4-Trichlorobenzene	11	"	10.0	107	76-137
1,2,4-Trimethylbenzene	11	"	10.0	107	82-132
1,2-Dibromo-3-chloropropane	8.6	"	10.0	85.6	45-147
1,2-Dibromoethane	9.9	"	10.0	98.9	83-124
1,2-Dichlorobenzene	9.7	"	10.0	96.9	79-123
1,2-Dichloroethane	10	"	10.0	99.5	73-132
1,2-Dichloropropane	10	"	10.0	104	78-126
1,3,5-Trimethylbenzene	11	"	10.0	106	80-131
1,3-Dichlorobenzene	10	"	10.0	101	86-122
1,4-Dichlorobenzene	9.8	"	10.0	97.8	85-124
1,4-Dioxane	120	"	200	59.2	10-349
2-Butanone	11	"	10.0	112	49-152
2-Hexanone	10	"	10.0	102	51-146
4-Methyl-2-pentanone	9.5	"	10.0	95.3	57-145
Acetone	9.8	"	10.0	98.3	14-150
Acrolein	9.1	"	10.0	91.4	10-153
Acrylonitrile	10	"	10.0	102	51-150
Benzene	11	"	10.0	106	85-126
Bromochloromethane	11	"	10.0	108	77-128
Bromodichloromethane	10	"	10.0	100	79-128
Bromoform	10	"	10.0	103	78-133
Bromomethane	6.2	"	10.0	62.3	43-168



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 BH60869 - EPA 5030B

LCS (BH60869-BS1)

Prepared & Analyzed: 08/15/2016

Carbon disulfide	11		ug/L	10.0		106	68-146				
Carbon tetrachloride	11		"	10.0		108	77-141				
Chlorobenzene	9.8		"	10.0		97.9	88-120				
Chloroethane	10		"	10.0		101	65-136				
Chloroform	10		"	10.0		104	82-128				
Chloromethane	9.2		"	10.0		91.9	43-155				
cis-1,2-Dichloroethylene	11		"	10.0		105	83-129				
cis-1,3-Dichloropropylene	10		"	10.0		103	80-131				
Cyclohexane	11		"	10.0		105	63-149				
Dibromochloromethane	10		"	10.0		101	80-130				
Dibromomethane	10		"	10.0		99.8	72-134				
Dichlorodifluoromethane	8.2		"	10.0		81.7	44-144				
Ethyl Benzene	10		"	10.0		103	80-131				
Hexachlorobutadiene	10		"	10.0		103	67-146				
Isopropylbenzene	10		"	10.0		103	76-140				
Methyl acetate	9.6		"	10.0		96.5	51-139				
Methyl tert-butyl ether (MTBE)	10		"	10.0		104	76-135				
Methylcyclohexane	10		"	10.0		103	72-143				
Methylene chloride	10		"	10.0		101	55-137				
n-Butylbenzene	11		"	10.0		105	79-132				
n-Propylbenzene	10		"	10.0		102	78-133				
o-Xylene	9.9		"	10.0		99.4	78-130				
p- & m- Xylenes	21		"	20.0		104	77-133				
p-Isopropyltoluene	11		"	10.0		108	81-136				
sec-Butylbenzene	9.9		"	10.0		99.2	79-137				
Styrene	11		"	10.0		110	67-132				
tert-Butyl alcohol (TBA)	10		"	10.0		100	25-162				
tert-Butylbenzene	10		"	10.0		101	77-138				
Tetrachloroethylene	9.7		"	10.0		97.3	82-131				
Toluene	10		"	10.0		101	80-127				
trans-1,2-Dichloroethylene	10		"	10.0		104	80-132				
trans-1,3-Dichloropropylene	10		"	10.0		99.7	78-131				
Trichloroethylene	9.8		"	10.0		98.5	82-128				
Trichlorofluoromethane	10		"	10.0		104	67-139				
Vinyl Chloride	9.2		"	10.0		92.2	58-145				
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>9.53</i>		<i>"</i>	<i>10.0</i>		<i>95.3</i>	<i>69-130</i>				
<i>Surrogate: Toluene-d8</i>	<i>9.79</i>		<i>"</i>	<i>10.0</i>		<i>97.9</i>	<i>81-117</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>10.3</i>		<i>"</i>	<i>10.0</i>		<i>103</i>	<i>79-122</i>				



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 BH60869 - EPA 5030B											
LCS Dup (BH60869-BSD1)						Prepared & Analyzed: 08/15/2016					
1,1,1,2-Tetrachloroethane	10		ug/L	10.0		103	82-126		3.06	30	
1,1,1-Trichloroethane	9.5		"	10.0		94.7	78-136		9.07	30	
1,1,2,2-Tetrachloroethane	11		"	10.0		106	76-129		5.15	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	8.6		"	10.0		85.9	54-165		18.2	30	
1,1,2-Trichloroethane	9.8		"	10.0		98.2	82-123		1.54	30	
1,1-Dichloroethane	11		"	10.0		105	82-129		1.51	30	
1,1-Dichloroethylene	9.2		"	10.0		91.7	68-138		10.7	30	
1,2,3-Trichlorobenzene	10		"	10.0		103	76-136		3.46	30	
1,2,3-Trichloropropane	11		"	10.0		107	77-128		6.55	30	
1,2,4-Trichlorobenzene	10		"	10.0		105	76-137		1.79	30	
1,2,4-Trimethylbenzene	11		"	10.0		107	82-132		0.467	30	
1,2-Dibromo-3-chloropropane	9.8		"	10.0		98.5	45-147		14.0	30	
1,2-Dibromoethane	10		"	10.0		102	83-124		3.57	30	
1,2-Dichlorobenzene	10		"	10.0		101	79-123		4.24	30	
1,2-Dichloroethane	10		"	10.0		100	73-132		0.601	30	
1,2-Dichloropropane	10		"	10.0		104	78-126		0.193	30	
1,3,5-Trimethylbenzene	10		"	10.0		104	80-131		1.91	30	
1,3-Dichlorobenzene	10		"	10.0		102	86-122		0.493	30	
1,4-Dichlorobenzene	9.8		"	10.0		98.5	85-124		0.713	30	
1,4-Dioxane	170		"	200		83.1	10-349		33.7	30	Non-dir.
2-Butanone	11		"	10.0		109	49-152		2.90	30	
2-Hexanone	11		"	10.0		109	51-146		6.46	30	
4-Methyl-2-pentanone	9.7		"	10.0		97.0	57-145		1.77	30	
Acetone	8.2		"	10.0		82.0	14-150		18.1	30	
Acrolein	7.9		"	10.0		78.9	10-153		14.7	30	
Acrylonitrile	11		"	10.0		107	51-150		4.96	30	
Benzene	10		"	10.0		104	85-126		2.38	30	
Bromochloromethane	11		"	10.0		110	77-128		1.19	30	
Bromodichloromethane	10		"	10.0		102	79-128		1.97	30	
Bromoform	10		"	10.0		105	78-133		1.93	30	
Bromomethane	6.5		"	10.0		65.4	43-168		4.86	30	
Carbon disulfide	9.6		"	10.0		96.4	68-146		9.49	30	
Carbon tetrachloride	9.4		"	10.0		94.4	77-141		13.0	30	
Chlorobenzene	9.8		"	10.0		97.6	88-120		0.307	30	
Chloroethane	9.2		"	10.0		92.0	65-136		9.43	30	
Chloroform	10		"	10.0		105	82-128		0.766	30	
Chloromethane	8.7		"	10.0		87.2	43-155		5.25	30	
cis-1,2-Dichloroethylene	10		"	10.0		104	83-129		0.573	30	
cis-1,3-Dichloropropylene	11		"	10.0		107	80-131		3.24	30	
Cyclohexane	9.0		"	10.0		90.2	63-149		15.5	30	
Dibromochloromethane	10		"	10.0		102	80-130		0.887	30	
Dibromomethane	10		"	10.0		102	72-134		1.98	30	
Dichlorodifluoromethane	6.7		"	10.0		66.7	44-144		20.2	30	
Ethyl Benzene	10		"	10.0		100	80-131		2.37	30	
Hexachlorobutadiene	10		"	10.0		99.5	67-146		3.07	30	
Isopropylbenzene	9.7		"	10.0		96.6	76-140		6.02	30	
Methyl acetate	9.7		"	10.0		97.1	51-139		0.620	30	
Methyl tert-butyl ether (MTBE)	11		"	10.0		106	76-135		1.81	30	
Methylcyclohexane	8.9		"	10.0		89.0	72-143		14.3	30	
Methylene chloride	10		"	10.0		101	55-137		0.0992	30	
n-Butylbenzene	10		"	10.0		101	79-132		4.36	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 BH60869 - EPA 5030B

LCS Dup (BH60869-BSD1)

Prepared & Analyzed: 08/15/2016

n-Propylbenzene	9.9		ug/L	10.0		98.7	78-133		3.68	30	
o-Xylene	9.9		"	10.0		99.1	78-130		0.302	30	
p- & m- Xylenes	20		"	20.0		101	77-133		3.51	30	
p-Isopropyltoluene	10		"	10.0		103	81-136		5.11	30	
sec-Butylbenzene	9.4		"	10.0		93.6	79-137		5.81	30	
Styrene	11		"	10.0		111	67-132		1.18	30	
tert-Butyl alcohol (TBA)	10		"	10.0		104	25-162		3.71	30	
tert-Butylbenzene	9.6		"	10.0		95.7	77-138		5.78	30	
Tetrachloroethylene	8.5		"	10.0		84.8	82-131		13.7	30	
Toluene	9.9		"	10.0		99.1	80-127		2.20	30	
trans-1,2-Dichloroethylene	10		"	10.0		100	80-132		3.23	30	
trans-1,3-Dichloropropylene	11		"	10.0		105	78-131		5.27	30	
Trichloroethylene	9.4		"	10.0		94.5	82-128		4.15	30	
Trichlorofluoromethane	8.9		"	10.0		88.9	67-139		15.9	30	
Vinyl Chloride	8.3		"	10.0		82.7	58-145		10.9	30	
Surrogate: 1,2-Dichloroethane-d4	9.28		"	10.0		92.8	69-130				
Surrogate: Toluene-d8	9.86		"	10.0		98.6	81-117				
Surrogate: p-Bromofluorobenzene	10.4		"	10.0		104	79-122				

Batch BH60947 - EPA 5035A

Blank (BH60947-BLK1)

Prepared & Analyzed: 08/16/2016

1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								



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 BH60947 - EPA 5035A

Blank (BH60947-BLK1)

Prepared & Analyzed: 08/16/2016

Bromomethane	ND	0.0050	mg/kg wet
Carbon disulfide	ND	0.0050	"
Carbon tetrachloride	ND	0.0050	"
Chlorobenzene	ND	0.0050	"
Chloroethane	ND	0.0050	"
Chloroform	ND	0.0050	"
Chloromethane	ND	0.0050	"
cis-1,2-Dichloroethylene	ND	0.0050	"
cis-1,3-Dichloropropylene	ND	0.0050	"
Cyclohexane	ND	0.0050	"
Dibromochloromethane	ND	0.0050	"
Dibromomethane	ND	0.0050	"
Dichlorodifluoromethane	ND	0.0050	"
Ethyl Benzene	ND	0.0050	"
Hexachlorobutadiene	ND	0.0050	"
Isopropylbenzene	ND	0.0050	"
Methyl acetate	ND	0.0050	"
Methyl tert-butyl ether (MTBE)	ND	0.0050	"
Methylcyclohexane	ND	0.0050	"
Methylene chloride	ND	0.010	"
n-Butylbenzene	ND	0.0050	"
n-Propylbenzene	ND	0.0050	"
o-Xylene	ND	0.0050	"
p- & m- Xylenes	ND	0.010	"
p-Isopropyltoluene	ND	0.0050	"
sec-Butylbenzene	ND	0.0050	"
Styrene	ND	0.0050	"
tert-Butyl alcohol (TBA)	ND	0.0050	"
tert-Butylbenzene	ND	0.0050	"
Tetrachloroethylene	ND	0.0050	"
Toluene	ND	0.0050	"
trans-1,2-Dichloroethylene	ND	0.0050	"
trans-1,3-Dichloropropylene	ND	0.0050	"
Trichloroethylene	ND	0.0050	"
Trichlorofluoromethane	ND	0.0050	"
Vinyl Chloride	ND	0.0050	"
Xylenes, Total	ND	0.015	"

Surrogate: 1,2-Dichloroethane-d4	50.6	ug/L	50.0	101	77-125
Surrogate: Toluene-d8	50.1	"	50.0	100	85-120
Surrogate: p-Bromofluorobenzene	49.1	"	50.0	98.2	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 BH60947 - EPA 5035A											
LCS (BH60947-BS1)						Prepared & Analyzed: 08/16/2016					
1,1,1,2-Tetrachloroethane	62		ug/L	50.0		123	75-129				
1,1,1-Trichloroethane	64		"	50.0		129	71-137				
1,1,2,2-Tetrachloroethane	57		"	50.0		113	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	56		"	50.0		111	58-146				
1,1,2-Trichloroethane	59		"	50.0		117	83-123				
1,1-Dichloroethane	59		"	50.0		118	75-130				
1,1-Dichloroethylene	59		"	50.0		119	64-137				
1,2,3-Trichlorobenzene	65		"	50.0		130	81-140				
1,2,3-Trichloropropane	57		"	50.0		114	81-126				
1,2,4-Trichlorobenzene	65		"	50.0		130	80-141				
1,2,4-Trimethylbenzene	57		"	50.0		114	84-125				
1,2-Dibromo-3-chloropropane	64		"	50.0		128	74-142				
1,2-Dibromoethane	58		"	50.0		116	86-123				
1,2-Dichlorobenzene	57		"	50.0		114	85-122				
1,2-Dichloroethane	63		"	50.0		126	71-133				
1,2-Dichloropropane	55		"	50.0		109	81-122				
1,3,5-Trimethylbenzene	57		"	50.0		114	82-126				
1,3-Dichlorobenzene	57		"	50.0		114	84-124				
1,4-Dichlorobenzene	59		"	50.0		117	84-124				
1,4-Dioxane	1200		"	1000		118	10-228				
2-Butanone	62		"	50.0		124	58-147				
2-Hexanone	58		"	50.0		116	70-139				
4-Methyl-2-pentanone	60		"	50.0		120	72-132				
Acetone	75		"	50.0		150	36-155				
Acrolein	27		"	50.0		53.3	10-238				
Acrylonitrile	36		"	50.0		72.8	66-141				
Benzene	58		"	50.0		116	77-127				
Bromochloromethane	59		"	50.0		118	74-129				
Bromodichloromethane	61		"	50.0		121	81-124				
Bromoform	62		"	50.0		124	80-136				
Bromomethane	57		"	50.0		114	32-177				
Carbon disulfide	61		"	50.0		122	10-136				
Carbon tetrachloride	62		"	50.0		123	66-143				
Chlorobenzene	57		"	50.0		115	86-120				
Chloroethane	55		"	50.0		110	51-142				
Chloroform	61		"	50.0		122	76-131				
Chloromethane	52		"	50.0		104	49-132				
cis-1,2-Dichloroethylene	59		"	50.0		117	74-132				
cis-1,3-Dichloropropylene	63		"	50.0		126	81-129				
Cyclohexane	54		"	50.0		107	70-130				
Dibromochloromethane	63		"	50.0		127	10-200				
Dibromomethane	60		"	50.0		121	83-124				
Dichlorodifluoromethane	54		"	50.0		108	28-158				
Ethyl Benzene	60		"	50.0		119	84-125				
Hexachlorobutadiene	62		"	50.0		125	83-133				
Isopropylbenzene	57		"	50.0		113	81-127				
Methyl acetate	76		"	50.0		152	41-143	High Bias			
Methyl tert-butyl ether (MTBE)	51		"	50.0		103	74-131				
Methylcyclohexane	53		"	50.0		107	70-130				
Methylene chloride	56		"	50.0		112	57-141				
n-Butylbenzene	57		"	50.0		113	80-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BH60947 - EPA 5035A

LCS (BH60947-BS1)

Prepared & Analyzed: 08/16/2016

n-Propylbenzene	55		ug/L	50.0		111	74-136				
o-Xylene	60		"	50.0		120	83-123				
p- & m- Xylenes	120		"	100		124	82-128				
p-Isopropyltoluene	56		"	50.0		112	85-125				
sec-Butylbenzene	58		"	50.0		115	83-125				
Styrene	59		"	50.0		119	86-126				
tert-Butyl alcohol (TBA)	52		"	50.0		104	70-130				
tert-Butylbenzene	57		"	50.0		115	80-127				
Tetrachloroethylene	58		"	50.0		116	80-129				
Toluene	57		"	50.0		114	85-121				
trans-1,2-Dichloroethylene	46		"	50.0		91.4	72-132				
trans-1,3-Dichloropropylene	64		"	50.0		127	78-132				
Trichloroethylene	59		"	50.0		119	84-123				
Trichlorofluoromethane	60		"	50.0		120	62-140				
Vinyl Chloride	51		"	50.0		103	52-130				
Surrogate: 1,2-Dichloroethane-d4	54.8		"	50.0		110	77-125				
Surrogate: Toluene-d8	49.3		"	50.0		98.7	85-120				
Surrogate: p-Bromofluorobenzene	47.7		"	50.0		95.4	76-130				

LCS Dup (BH60947-BSD1)

Prepared & Analyzed: 08/16/2016

1,1,1,2-Tetrachloroethane	63		ug/L	50.0		126	75-129		2.36	30	
1,1,1-Trichloroethane	62		"	50.0		125	71-137		2.98	30	
1,1,2,2-Tetrachloroethane	57		"	50.0		114	79-129		0.722	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	57		"	50.0		113	58-146		1.53	30	
1,1,2-Trichloroethane	58		"	50.0		115	83-123		1.72	30	
1,1-Dichloroethane	57		"	50.0		115	75-130		2.32	30	
1,1-Dichloroethylene	59		"	50.0		119	64-137		0.00	30	
1,2,3-Trichlorobenzene	64		"	50.0		129	81-140		0.557	30	
1,2,3-Trichloropropane	58		"	50.0		116	81-126		1.24	30	
1,2,4-Trichlorobenzene	66		"	50.0		132	80-141		1.73	30	
1,2,4-Trimethylbenzene	57		"	50.0		114	84-125		0.491	30	
1,2-Dibromo-3-chloropropane	63		"	50.0		126	74-142		1.59	30	
1,2-Dibromoethane	57		"	50.0		113	86-123		2.23	30	
1,2-Dichlorobenzene	57		"	50.0		115	85-122		0.384	30	
1,2-Dichloroethane	62		"	50.0		123	71-133		1.96	30	
1,2-Dichloropropane	54		"	50.0		107	81-122		1.81	30	
1,3,5-Trimethylbenzene	56		"	50.0		113	82-126		1.39	30	
1,3-Dichlorobenzene	60		"	50.0		120	84-124		4.84	30	
1,4-Dichlorobenzene	58		"	50.0		116	84-124		1.29	30	
1,4-Dioxane	1200		"	1000		117	10-228		0.919	30	
2-Butanone	58		"	50.0		117	58-147		5.62	30	
2-Hexanone	55		"	50.0		111	70-139		4.15	30	
4-Methyl-2-pentanone	62		"	50.0		123	72-132		2.90	30	
Acetone	63		"	50.0		125	36-155		18.0	30	
Acrolein	25		"	50.0		51.0	10-238		4.56	30	
Acrylonitrile	42		"	50.0		84.0	66-141		14.4	30	
Benzene	58		"	50.0		117	77-127		0.637	30	
Bromochloromethane	58		"	50.0		115	74-129		2.45	30	
Bromodichloromethane	62		"	50.0		123	81-124		1.41	30	
Bromoform	61		"	50.0		122	80-136		1.63	30	
Bromomethane	54		"	50.0		109	32-177		4.96	30	
Carbon disulfide	58		"	50.0		115	10-136		5.76	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 BH60947 - EPA 5035A

LCS Dup (BH60947-BSD1)

Prepared & Analyzed: 08/16/2016

Carbon tetrachloride	61		ug/L	50.0		123	66-143		0.244	30	
Chlorobenzene	59		"	50.0		118	86-120		3.18	30	
Chloroethane	49		"	50.0		98.6	51-142		11.1	30	
Chloroform	59		"	50.0		118	76-131		2.98	30	
Chloromethane	50		"	50.0		99.8	49-132		4.58	30	
cis-1,2-Dichloroethylene	55		"	50.0		109	74-132		7.16	30	
cis-1,3-Dichloropropylene	61		"	50.0		122	81-129		3.84	30	
Cyclohexane	54		"	50.0		108	70-130		0.409	30	
Dibromochloromethane	63		"	50.0		125	10-200		1.10	30	
Dibromomethane	59		"	50.0		118	83-124		2.25	30	
Dichlorodifluoromethane	53		"	50.0		106	28-158		1.18	30	
Ethyl Benzene	60		"	50.0		121	84-125		1.40	30	
Hexachlorobutadiene	64		"	50.0		127	83-133		2.19	30	
Isopropylbenzene	56		"	50.0		112	81-127		0.568	30	
Methyl acetate	59		"	50.0		117	41-143		25.8	30	
Methyl tert-butyl ether (MTBE)	48		"	50.0		95.1	74-131		7.62	30	
Methylcyclohexane	54		"	50.0		109	70-130		1.49	30	
Methylene chloride	55		"	50.0		110	57-141		1.96	30	
n-Butylbenzene	58		"	50.0		115	80-130		1.84	30	
n-Propylbenzene	56		"	50.0		113	74-136		1.95	30	
o-Xylene	60		"	50.0		120	83-123		0.150	30	
p- & m- Xylenes	120		"	100		121	82-128		2.47	30	
p-Isopropyltoluene	61		"	50.0		122	85-125		8.21	30	
sec-Butylbenzene	58		"	50.0		116	83-125		1.00	30	
Styrene	59		"	50.0		118	86-126		0.304	30	
tert-Butyl alcohol (TBA)	52		"	50.0		104	70-130		0.789	30	
tert-Butylbenzene	59		"	50.0		118	80-127		2.65	30	
Tetrachloroethylene	58		"	50.0		117	80-129		1.08	30	
Toluene	56		"	50.0		112	85-121		1.79	30	
trans-1,2-Dichloroethylene	45		"	50.0		89.1	72-132		2.57	30	
trans-1,3-Dichloropropylene	64		"	50.0		128	78-132		0.424	30	
Trichloroethylene	59		"	50.0		118	84-123		0.405	30	
Trichlorofluoromethane	57		"	50.0		113	62-140		5.45	30	
Vinyl Chloride	53		"	50.0		106	52-130		3.11	30	
Surrogate: 1,2-Dichloroethane-d4	53.0		"	50.0		106	77-125				
Surrogate: Toluene-d8	49.4		"	50.0		98.7	85-120				
Surrogate: p-Bromofluorobenzene	48.9		"	50.0		97.9	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 BH60974 - EPA 3546 SVOA

Blank (BH60974-BLK1)

Prepared: 08/16/2016 Analyzed: 08/17/2016

1,1'-Biphenyl	ND	0.0626	mg/kg wet
1,2,4,5-Tetrachlorobenzene	ND	0.125	"
1,2,4-Trichlorobenzene	ND	0.0626	"
1,2-Dichlorobenzene	ND	0.0626	"
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.0626	"
1,3-Dichlorobenzene	ND	0.0626	"
1,4-Dichlorobenzene	ND	0.0626	"
2,3,4,6-Tetrachlorophenol	ND	0.125	"
2,4,5-Trichlorophenol	ND	0.0626	"
2,4,6-Trichlorophenol	ND	0.0626	"
2,4-Dichlorophenol	ND	0.0626	"
2,4-Dimethylphenol	ND	0.0626	"
2,4-Dinitrophenol	ND	0.125	"
2,4-Dinitrotoluene	ND	0.0626	"
2,6-Dinitrotoluene	ND	0.0626	"
2-Chloronaphthalene	ND	0.0626	"
2-Chlorophenol	ND	0.0626	"
2-Methylnaphthalene	ND	0.0626	"
2-Methylphenol	ND	0.0626	"
2-Nitroaniline	ND	0.125	"
2-Nitrophenol	ND	0.0626	"
3- & 4-Methylphenols	ND	0.0626	"
3,3'-Dichlorobenzidine	ND	0.0626	"
3-Nitroaniline	ND	0.125	"
4,6-Dinitro-2-methylphenol	ND	0.125	"
4-Bromophenyl phenyl ether	ND	0.0626	"
4-Chloro-3-methylphenol	ND	0.0626	"
4-Chloroaniline	ND	0.0626	"
4-Chlorophenyl phenyl ether	ND	0.0626	"
4-Nitroaniline	ND	0.125	"
4-Nitrophenol	ND	0.125	"
Acenaphthene	ND	0.0626	"
Acenaphthylene	ND	0.0626	"
Acetophenone	ND	0.0626	"
Aniline	ND	0.250	"
Anthracene	ND	0.0626	"
Atrazine	ND	0.0626	"
Benzaldehyde	ND	0.0626	"
Benzidine	ND	0.250	"
Benzo(a)anthracene	ND	0.0626	"
Benzo(a)pyrene	ND	0.0626	"
Benzo(b)fluoranthene	ND	0.0626	"
Benzo(g,h,i)perylene	ND	0.0626	"
Benzo(k)fluoranthene	ND	0.0626	"
Benzoic acid	ND	0.0626	"
Benzyl alcohol	ND	0.0626	"
Benzyl butyl phthalate	ND	0.0626	"
Bis(2-chloroethoxy)methane	ND	0.0626	"
Bis(2-chloroethyl)ether	ND	0.0626	"
Bis(2-chloroisopropyl)ether	ND	0.0626	"
Bis(2-ethylhexyl)phthalate	ND	0.0626	"



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 BH60974 - EPA 3546 SVOA

Blank (BH60974-BLK1)

Prepared: 08/16/2016 Analyzed: 08/17/2016

Caprolactam	ND	0.125	mg/kg wet								
Carbazole	ND	0.0626	"								
Chrysene	ND	0.0626	"								
Dibenzo(a,h)anthracene	ND	0.0626	"								
Dibenzofuran	ND	0.0626	"								
Diethyl phthalate	ND	0.0626	"								
Dimethyl phthalate	ND	0.0626	"								
Di-n-butyl phthalate	ND	0.0626	"								
Di-n-octyl phthalate	ND	0.0626	"								
Fluoranthene	ND	0.0626	"								
Fluorene	ND	0.0626	"								
Hexachlorobenzene	ND	0.0626	"								
Hexachlorobutadiene	ND	0.0626	"								
Hexachlorocyclopentadiene	ND	0.0626	"								
Hexachloroethane	ND	0.0626	"								
Indeno(1,2,3-cd)pyrene	ND	0.0626	"								
Isophorone	ND	0.0626	"								
Naphthalene	ND	0.0626	"								
Nitrobenzene	ND	0.0626	"								
N-Nitrosodimethylamine	ND	0.0626	"								
N-nitroso-di-n-propylamine	ND	0.0626	"								
N-Nitrosodiphenylamine	ND	0.0626	"								
Pentachlorophenol	ND	0.0626	"								
Phenanthrene	ND	0.0626	"								
Phenol	ND	0.0626	"								
Pyrene	ND	0.0626	"								
<i>Surrogate: 2-Fluorophenol</i>	2.89		"	3.77		76.6	20-108				
<i>Surrogate: Phenol-d5</i>	3.09		"	3.78		81.8	23-114				
<i>Surrogate: Nitrobenzene-d5</i>	1.87		"	2.51		74.7	22-108				
<i>Surrogate: 2-Fluorobiphenyl</i>	1.83		"	2.50		73.0	21-113				
<i>Surrogate: 2,4,6-Tribromophenol</i>	3.77		"	3.75		101	19-110				
<i>Surrogate: Terphenyl-d14</i>	1.32		"	2.52		52.1	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 BH60974 - EPA 3546 SVOA											
LCS (BH60974-BS1)						Prepared: 08/16/2016 Analyzed: 08/17/2016					
1,1'-Biphenyl	1.46	0.0626	mg/kg wet	2.50		58.4	22-103				
1,2,4,5-Tetrachlorobenzene	2.01	0.125	"	2.50		80.2	10-144				
1,2,4-Trichlorobenzene	1.81	0.0626	"	2.50		72.4	23-130				
1,2-Dichlorobenzene	1.70	0.0626	"	2.50		68.0	26-113				
1,2-Diphenylhydrazine (as Azobenzene)	1.64	0.0626	"	2.50		65.5	10-140				
1,3-Dichlorobenzene	1.93	0.0626	"	2.50		77.0	32-113				
1,4-Dichlorobenzene	1.77	0.0626	"	2.50		70.6	28-111				
2,3,4,6-Tetrachlorophenol	1.30	0.125	"	2.50		52.2	30-130				
2,4,5-Trichlorophenol	1.85	0.0626	"	2.50		73.9	14-138				
2,4,6-Trichlorophenol	1.94	0.0626	"	2.50		77.8	27-122				
2,4-Dichlorophenol	2.00	0.0626	"	2.50		80.0	23-133				
2,4-Dimethylphenol	1.72	0.0626	"	2.50		69.0	15-131				
2,4-Dinitrophenol	2.86	0.125	"	2.50		114	10-149				
2,4-Dinitrotoluene	2.36	0.0626	"	2.50		94.3	30-123				
2,6-Dinitrotoluene	2.15	0.0626	"	2.50		86.1	30-125				
2-Chloronaphthalene	1.75	0.0626	"	2.50		69.8	22-115				
2-Chlorophenol	1.99	0.0626	"	2.50		79.7	25-121				
2-Methylnaphthalene	1.65	0.0626	"	2.50		66.0	16-127				
2-Methylphenol	1.79	0.0626	"	2.50		71.6	10-146				
2-Nitroaniline	2.04	0.125	"	2.50		81.6	24-126				
2-Nitrophenol	1.89	0.0626	"	2.50		75.8	17-129				
3- & 4-Methylphenols	1.74	0.0626	"	2.50		69.8	20-109				
3,3'-Dichlorobenzidine	2.11	0.0626	"	2.50		84.5	10-147				
3-Nitroaniline	1.84	0.125	"	2.50		73.7	23-123				
4,6-Dinitro-2-methylphenol	1.67	0.125	"	2.50		66.9	10-149				
4-Bromophenyl phenyl ether	2.04	0.0626	"	2.50		81.5	30-138				
4-Chloro-3-methylphenol	1.94	0.0626	"	2.50		77.7	16-138				
4-Chloroaniline	1.53	0.0626	"	2.50		61.2	10-117				
4-Chlorophenyl phenyl ether	1.67	0.0626	"	2.50		66.8	18-132				
4-Nitroaniline	1.55	0.125	"	2.50		62.1	14-125				
4-Nitrophenol	1.74	0.125	"	2.50		69.5	10-136				
Acenaphthene	1.58	0.0626	"	2.50		63.0	17-124				
Acenaphthylene	1.60	0.0626	"	2.50		63.9	16-124				
Acetophenone	1.94	0.0626	"	2.50		77.5	28-105				
Aniline	1.63	0.250	"	2.50		65.3	10-111				
Anthracene	1.74	0.0626	"	2.50		69.7	24-124				
Atrazine	1.86	0.0626	"	2.50		74.5	22-120				
Benzaldehyde	1.93	0.0626	"	2.50		77.1	21-100				
Benzo(a)anthracene	1.54	0.0626	"	2.50		61.8	25-134				
Benzo(a)pyrene	2.69	0.0626	"	2.50		107	29-144				
Benzo(b)fluoranthene	2.88	0.0626	"	2.50		115	20-151				
Benzo(g,h,i)perylene	4.23	0.0626	"	2.50		169	10-153	High Bias			
Benzo(k)fluoranthene	1.99	0.0626	"	2.50		79.7	10-148				
Benzoic acid	1.95	0.0626	"	2.50		78.1	10-116				
Benzyl alcohol	1.85	0.0626	"	2.50		74.1	17-128				
Benzyl butyl phthalate	1.66	0.0626	"	2.50		66.6	10-132				
Bis(2-chloroethoxy)methane	1.85	0.0626	"	2.50		74.1	10-129				
Bis(2-chloroethyl)ether	2.06	0.0626	"	2.50		82.5	14-125				
Bis(2-chloroisopropyl)ether	3.18	0.0626	"	2.50		127	14-122	High Bias			
Bis(2-ethylhexyl)phthalate	1.17	0.0626	"	2.50		46.7	10-141				
Caprolactam	2.13	0.125	"	2.50		85.3	10-123				



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 BH60974 - EPA 3546 SVOA

LCS (BH60974-BS1)

Prepared: 08/16/2016 Analyzed: 08/17/2016

Carbazole	2.12	0.0626	mg/kg wet	2.50		84.9	31-120				
Chrysene	2.01	0.0626	"	2.50		80.3	24-116				
Dibenzo(a,h)anthracene	3.94	0.0626	"	2.50		157	17-147	High Bias			
Dibenzofuran	1.77	0.0626	"	2.50		70.7	23-123				
Diethyl phthalate	1.70	0.0626	"	2.50		68.0	23-122				
Dimethyl phthalate	1.90	0.0626	"	2.50		76.0	28-127				
Di-n-butyl phthalate	1.66	0.0626	"	2.50		66.5	19-123				
Di-n-octyl phthalate	1.80	0.0626	"	2.50		71.9	10-132				
Fluoranthene	1.92	0.0626	"	2.50		76.8	36-125				
Fluorene	1.61	0.0626	"	2.50		64.2	16-130				
Hexachlorobenzene	1.29	0.0626	"	2.50		51.7	10-129				
Hexachlorobutadiene	1.85	0.0626	"	2.50		74.0	22-153				
Hexachlorocyclopentadiene	0.874	0.0626	"	2.50		35.0	10-134				
Hexachloroethane	1.84	0.0626	"	2.50		73.4	20-112				
Indeno(1,2,3-cd)pyrene	3.54	0.0626	"	2.50		142	10-155				
Isophorone	2.03	0.0626	"	2.50		81.4	14-131				
Naphthalene	1.65	0.0626	"	2.50		66.0	20-121				
Nitrobenzene	1.90	0.0626	"	2.50		76.1	20-121				
N-Nitrosodimethylamine	2.47	0.0626	"	2.50		98.6	10-124				
N-nitroso-di-n-propylamine	1.99	0.0626	"	2.50		79.6	21-119				
N-Nitrosodiphenylamine	1.65	0.0626	"	2.50		65.9	10-163				
Pentachlorophenol	2.39	0.0626	"	2.50		95.5	10-143				
Phenanthrene	1.71	0.0626	"	2.50		68.3	24-123				
Phenol	1.83	0.0626	"	2.50		73.3	15-123				
Pyrene	1.92	0.0626	"	2.50		76.9	24-132				
<i>Surrogate: 2-Fluorophenol</i>	<i>2.90</i>		<i>"</i>	<i>3.77</i>		<i>77.0</i>	<i>20-108</i>				
<i>Surrogate: Phenol-d5</i>	<i>2.56</i>		<i>"</i>	<i>3.78</i>		<i>67.8</i>	<i>23-114</i>				
<i>Surrogate: Nitrobenzene-d5</i>	<i>1.88</i>		<i>"</i>	<i>2.51</i>		<i>75.1</i>	<i>22-108</i>				
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>1.53</i>		<i>"</i>	<i>2.50</i>		<i>61.4</i>	<i>21-113</i>				
<i>Surrogate: 2,4,6-Tribromophenol</i>	<i>3.82</i>		<i>"</i>	<i>3.75</i>		<i>102</i>	<i>30-130</i>				
<i>Surrogate: Terphenyl-d14</i>	<i>1.69</i>		<i>"</i>	<i>2.52</i>		<i>66.8</i>	<i>24-116</i>				



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 BH60974 - EPA 3546 SVOA											
LCS Dup (BH60974-BSD1)						Prepared: 08/16/2016 Analyzed: 08/17/2016					
1,1'-Biphenyl	1.40	0.0626	mg/kg wet	2.50		56.0	22-103		4.30	30	
1,2,4,5-Tetrachlorobenzene	1.90	0.125	"	2.50		76.0	10-144		5.35	30	
1,2,4-Trichlorobenzene	1.68	0.0626	"	2.50		67.0	23-130		7.72	30	
1,2-Dichlorobenzene	1.65	0.0626	"	2.50		65.9	26-113		3.11	30	
1,2-Diphenylhydrazine (as Azobenzene)	1.57	0.0626	"	2.50		62.7	10-140		4.40	30	
1,3-Dichlorobenzene	1.80	0.0626	"	2.50		71.9	32-113		6.87	30	
1,4-Dichlorobenzene	1.68	0.0626	"	2.50		67.2	28-111		4.96	30	
2,3,4,6-Tetrachlorophenol	1.20	0.125	"	2.50		48.2	30-130		7.93	30	
2,4,5-Trichlorophenol	1.77	0.0626	"	2.50		70.9	14-138		4.20	30	
2,4,6-Trichlorophenol	1.83	0.0626	"	2.50		73.3	27-122		5.96	30	
2,4-Dichlorophenol	1.83	0.0626	"	2.50		73.3	23-133		8.74	30	
2,4-Dimethylphenol	1.59	0.0626	"	2.50		63.7	15-131		7.99	30	
2,4-Dinitrophenol	2.61	0.125	"	2.50		104	10-149		9.05	30	
2,4-Dinitrotoluene	2.18	0.0626	"	2.50		87.4	30-123		7.60	30	
2,6-Dinitrotoluene	2.03	0.0626	"	2.50		81.2	30-125		5.83	30	
2-Chloronaphthalene	1.64	0.0626	"	2.50		65.7	22-115		6.14	30	
2-Chlorophenol	1.85	0.0626	"	2.50		73.8	25-121		7.69	30	
2-Methylnaphthalene	1.54	0.0626	"	2.50		61.6	16-127		6.92	30	
2-Methylphenol	1.66	0.0626	"	2.50		66.2	10-146		7.75	30	
2-Nitroaniline	1.90	0.125	"	2.50		76.1	24-126		6.92	30	
2-Nitrophenol	1.76	0.0626	"	2.50		70.5	17-129		7.25	30	
3- & 4-Methylphenols	1.64	0.0626	"	2.50		65.7	20-109		5.93	30	
3,3'-Dichlorobenzidine	2.67	0.0626	"	2.50		107	10-147		23.4	30	
3-Nitroaniline	1.74	0.125	"	2.50		69.5	23-123		5.87	30	
4,6-Dinitro-2-methylphenol	1.64	0.125	"	2.50		65.4	10-149		2.30	30	
4-Bromophenyl phenyl ether	1.96	0.0626	"	2.50		78.4	30-138		3.88	30	
4-Chloro-3-methylphenol	1.84	0.0626	"	2.50		73.8	16-138		5.20	30	
4-Chloroaniline	1.43	0.0626	"	2.50		57.3	10-117		6.65	30	
4-Chlorophenyl phenyl ether	1.61	0.0626	"	2.50		64.4	18-132		3.66	30	
4-Nitroaniline	1.60	0.125	"	2.50		64.2	14-125		3.26	30	
4-Nitrophenol	1.62	0.125	"	2.50		65.0	10-136		6.69	30	
Acenaphthene	1.51	0.0626	"	2.50		60.3	17-124		4.41	30	
Acenaphthylene	1.52	0.0626	"	2.50		60.9	16-124		4.84	30	
Acetophenone	1.84	0.0626	"	2.50		73.8	28-105		4.95	30	
Aniline	1.56	0.250	"	2.50		62.2	10-111		4.92	30	
Anthracene	1.66	0.0626	"	2.50		66.2	24-124		5.15	30	
Atrazine	1.76	0.0626	"	2.50		70.6	22-120		5.38	30	
Benzaldehyde	1.78	0.0626	"	2.50		71.2	21-100		7.93	30	
Benzo(a)anthracene	1.41	0.0626	"	2.50		56.4	25-134		9.10	30	
Benzo(a)pyrene	2.48	0.0626	"	2.50		99.4	29-144		7.79	30	
Benzo(b)fluoranthene	2.03	0.0626	"	2.50		81.1	20-151		34.9	30	Non-dir.
Benzo(g,h,i)perylene	3.90	0.0626	"	2.50		156	10-153	High Bias	8.02	30	
Benzo(k)fluoranthene	1.89	0.0626	"	2.50		75.6	10-148		5.30	30	
Benzoic acid	1.78	0.0626	"	2.50		71.4	10-116		8.94	30	
Benzyl alcohol	1.79	0.0626	"	2.50		71.6	17-128		3.38	30	
Benzyl butyl phthalate	1.56	0.0626	"	2.50		62.2	10-132		6.71	30	
Bis(2-chloroethoxy)methane	1.73	0.0626	"	2.50		69.1	10-129		7.01	30	
Bis(2-chloroethyl)ether	1.91	0.0626	"	2.50		76.4	14-125		7.71	30	
Bis(2-chloroisopropyl)ether	2.97	0.0626	"	2.50		119	14-122		6.81	30	
Bis(2-ethylhexyl)phthalate	1.10	0.0626	"	2.50		44.1	10-141		5.64	30	
Caprolactam	2.03	0.125	"	2.50		81.2	10-123		5.00	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 BH60974 - EPA 3546 SVOA

LCS Dup (BH60974-BSD1)

Prepared: 08/16/2016 Analyzed: 08/17/2016

Carbazole	1.93	0.0626	mg/kg wet	2.50		77.1	31-120		9.70	30	
Chrysene	1.76	0.0626	"	2.50		70.6	24-116		13.0	30	
Dibenzo(a,h)anthracene	3.60	0.0626	"	2.50		144	17-147		9.02	30	
Dibenzofuran	1.68	0.0626	"	2.50		67.4	23-123		4.90	30	
Diethyl phthalate	1.61	0.0626	"	2.50		64.2	23-122		5.69	30	
Dimethyl phthalate	1.79	0.0626	"	2.50		71.6	28-127		6.07	30	
Di-n-butyl phthalate	1.56	0.0626	"	2.50		62.4	19-123		6.33	30	
Di-n-octyl phthalate	1.67	0.0626	"	2.50		66.9	10-132		7.21	30	
Fluoranthene	1.81	0.0626	"	2.50		72.6	36-125		5.70	30	
Fluorene	1.52	0.0626	"	2.50		60.9	16-130		5.27	30	
Hexachlorobenzene	1.27	0.0626	"	2.50		50.8	10-129		1.76	30	
Hexachlorobutadiene	1.70	0.0626	"	2.50		68.0	22-153		8.50	30	
Hexachlorocyclopentadiene	0.819	0.0626	"	2.50		32.8	10-134		6.50	30	
Hexachloroethane	1.74	0.0626	"	2.50		69.6	20-112		5.31	30	
Indeno(1,2,3-cd)pyrene	3.09	0.0626	"	2.50		123	10-155		13.6	30	
Isophorone	1.84	0.0626	"	2.50		73.6	14-131		10.0	30	
Naphthalene	1.53	0.0626	"	2.50		61.2	20-121		7.61	30	
Nitrobenzene	1.75	0.0626	"	2.50		70.0	20-121		8.46	30	
N-Nitrosodimethylamine	2.14	0.0626	"	2.50		85.4	10-124		14.3	30	
N-nitroso-di-n-propylamine	1.86	0.0626	"	2.50		74.5	21-119		6.62	30	
N-Nitrosodiphenylamine	1.56	0.0626	"	2.50		62.4	10-163		5.45	30	
Pentachlorophenol	2.19	0.0626	"	2.50		87.5	10-143		8.70	30	
Phenanthrene	1.60	0.0626	"	2.50		64.2	24-123		6.22	30	
Phenol	1.74	0.0626	"	2.50		69.4	15-123		5.41	30	
Pyrene	1.75	0.0626	"	2.50		70.0	24-132		9.42	30	
<i>Surrogate: 2-Fluorophenol</i>	2.73		"	3.77		72.5	20-108				
<i>Surrogate: Phenol-d5</i>	2.45		"	3.78		64.9	23-114				
<i>Surrogate: Nitrobenzene-d5</i>	1.71		"	2.51		68.1	22-108				
<i>Surrogate: 2-Fluorobiphenyl</i>	1.46		"	2.50		58.5	21-113				
<i>Surrogate: 2,4,6-Tribromophenol</i>	3.67		"	3.75		97.8	30-130				
<i>Surrogate: Terphenyl-d14</i>	1.57		"	2.52		62.1	24-116				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BH60980 - EPA 3510C

Blank (BH60980-BLK1)

Prepared: 08/16/2016 Analyzed: 08/17/2016

1,1'-Biphenyl	ND	5.00	ug/L
1,2,4,5-Tetrachlorobenzene	ND	5.00	"
1,2-Diphenylhydrazine (as Azobenzene)	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	"
1,2,4-Trichlorobenzene	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	"
1,2-Dichlorobenzene	ND	5.00	"
2,6-Dinitrotoluene	ND	5.00	"
2-Chloronaphthalene	ND	5.00	"
2-Chlorophenol	ND	5.00	"
2-Methylnaphthalene	ND	5.00	"
1,3-Dichlorobenzene	ND	5.00	"
2-Methylphenol	ND	5.00	"
2-Nitroaniline	ND	5.00	"
1,4-Dichlorobenzene	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	"
Acenaphthene	ND	0.0500	"
Acenaphthylene	ND	0.0500	"
Acetophenone	ND	5.00	"
Aniline	ND	5.00	"
Anthracene	ND	0.0500	"
Atrazine	ND	0.500	"
Benzaldehyde	ND	5.00	"
Benzidine	ND	20.0	"
Benzo(a)anthracene	ND	0.0500	"
Benzo(a)pyrene	ND	0.0500	"
Benzo(b)fluoranthene	ND	0.0500	"
Benzo(g,h,i)perylene	ND	0.0500	"
Benzo(k)fluoranthene	ND	0.0500	"
Benzoic acid	ND	50.0	"
Benzyl alcohol	ND	5.00	"
Benzyl butyl phthalate	ND	5.00	"
Bis(2-chloroethoxy)methane	ND	5.00	"
Bis(2-chloroethyl)ether	ND	5.00	"
Bis(2-chloroisopropyl)ether	ND	5.00	"
Bis(2-ethylhexyl)phthalate	ND	0.500	"



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BH60980 - EPA 3510C

Blank (BH60980-BLK1)

Prepared: 08/16/2016 Analyzed: 08/17/2016

Caprolactam	ND	5.00	ug/L
Carbazole	ND	5.00	"
Hexachlorobutadiene	ND	0.500	"
Chrysene	ND	0.0500	"
Dibenzo(a,h)anthracene	ND	0.0500	"
Dibenzofuran	ND	5.00	"
Diethyl phthalate	ND	5.00	"
Dimethyl phthalate	ND	5.00	"
Di-n-butyl phthalate	ND	5.00	"
Di-n-octyl phthalate	ND	5.00	"
Naphthalene	ND	0.0500	"
Fluoranthene	ND	0.0500	"
Fluorene	ND	0.0500	"
Hexachlorobenzene	ND	0.0200	"
Hexachlorocyclopentadiene	ND	5.00	"
Hexachloroethane	ND	0.500	"
Indeno(1,2,3-cd)pyrene	ND	0.0500	"
Isophorone	ND	5.00	"
Nitrobenzene	ND	0.250	"
N-Nitrosodimethylamine	ND	0.500	"
N-nitroso-di-n-propylamine	ND	5.00	"
N-Nitrosodiphenylamine	ND	5.00	"
Pentachlorophenol	ND	0.250	"
Phenanthrene	ND	0.0500	"
Phenol	ND	5.00	"
Pyrene	ND	0.0500	"

Surrogate: 2-Fluorophenol	23.4	"	75.4	31.1	12-64
Surrogate: Phenol-d5	15.6	"	75.5	20.6	10-82
Surrogate: Nitrobenzene-d5	36.7	"	50.2	73.0	12-96
Surrogate: 2-Fluorobiphenyl	38.0	"	50.0	76.0	16-84
Surrogate: 2,4,6-Tribromophenol	70.7	"	75.0	94.2	15-104
Surrogate: Terphenyl-d14	31.9	"	50.5	63.1	15-106



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 BH60980 - EPA 3510C

Blank (BH60980-BLK2)

Prepared: 08/16/2016 Analyzed: 08/17/2016

1,1'-Biphenyl	ND	5.00	ug/L
1,2,4,5-Tetrachlorobenzene	ND	5.00	"
1,2-Diphenylhydrazine (as Azobenzene)	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	"
1,2,4-Trichlorobenzene	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	"
1,2-Dichlorobenzene	ND	5.00	"
2,6-Dinitrotoluene	ND	5.00	"
2-Chloronaphthalene	ND	5.00	"
2-Chlorophenol	ND	5.00	"
2-Methylnaphthalene	ND	5.00	"
1,3-Dichlorobenzene	ND	5.00	"
2-Methylphenol	ND	5.00	"
2-Nitroaniline	ND	5.00	"
1,4-Dichlorobenzene	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	"
Acenaphthene	ND	0.0500	"
Acenaphthylene	ND	0.0500	"
Acetophenone	ND	5.00	"
Aniline	ND	5.00	"
Anthracene	ND	0.0500	"
Atrazine	ND	0.500	"
Benzaldehyde	ND	5.00	"
Benzidine	ND	20.0	"
Benzo(a)anthracene	ND	0.0500	"
Benzo(a)pyrene	ND	0.0500	"
Benzo(b)fluoranthene	ND	0.0500	"
Benzo(g,h,i)perylene	ND	0.0500	"
Benzo(k)fluoranthene	ND	0.0500	"
Benzoic acid	ND	50.0	"
Benzyl alcohol	ND	5.00	"
Benzyl butyl phthalate	ND	5.00	"
Bis(2-chloroethoxy)methane	ND	5.00	"
Bis(2-chloroethyl)ether	ND	5.00	"
Bis(2-chloroisopropyl)ether	ND	5.00	"
Bis(2-ethylhexyl)phthalate	ND	0.500	"



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BH60980 - EPA 3510C

Blank (BH60980-BLK2)

Prepared: 08/16/2016 Analyzed: 08/17/2016

Caprolactam	ND	5.00	ug/L
Carbazole	ND	5.00	"
Hexachlorobutadiene	ND	0.500	"
Chrysene	ND	0.0500	"
Dibenzo(a,h)anthracene	ND	0.0500	"
Dibenzofuran	ND	5.00	"
Diethyl phthalate	ND	5.00	"
Dimethyl phthalate	ND	5.00	"
Di-n-butyl phthalate	ND	5.00	"
Di-n-octyl phthalate	ND	5.00	"
Naphthalene	ND	0.0500	"
Fluoranthene	ND	0.0500	"
Fluorene	ND	0.0500	"
Hexachlorobenzene	ND	0.0200	"
Hexachlorocyclopentadiene	ND	5.00	"
Hexachloroethane	ND	0.500	"
Indeno(1,2,3-cd)pyrene	ND	0.0500	"
Isophorone	ND	5.00	"
Nitrobenzene	ND	0.250	"
N-Nitrosodimethylamine	ND	0.500	"
N-nitroso-di-n-propylamine	ND	5.00	"
N-Nitrosodiphenylamine	ND	5.00	"
Pentachlorophenol	ND	0.250	"
Phenanthrene	ND	0.0500	"
Phenol	ND	5.00	"
Pyrene	ND	0.0500	"

Surrogate: 2-Fluorophenol	0.00	"	75.4	12-64
Surrogate: Phenol-d5	0.00	"	75.5	10-82
Surrogate: Nitrobenzene-d5	0.00	"	50.2	12-96
Surrogate: 2-Fluorobiphenyl	0.00	"	50.0	16-84
Surrogate: 2,4,6-Tribromophenol	0.00	"	75.0	15-104
Surrogate: Terphenyl-d14	0.00	"	50.5	15-106



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH60980 - EPA 3510C											
LCS (BH60980-BS1)						Prepared: 08/16/2016 Analyzed: 08/17/2016					
1,1'-Biphenyl	42.2	5.00	ug/L	50.0		84.4	21-102				
1,2,4,5-Tetrachlorobenzene	48.6	5.00	"	50.0		97.2	28-105				
1,2-Diphenylhydrazine (as Azobenzene)	43.4	5.00	"	50.0		86.7	16-137				
2,3,4,6-Tetrachlorophenol	87.2	5.00	"	50.0		174	30-130	High Bias			
2,4,5-Trichlorophenol	40.2	5.00	"	50.0		80.5	36-112				
2,4,6-Trichlorophenol	46.0	5.00	"	50.0		92.1	41-107				
1,2,4-Trichlorobenzene	41.4	5.00	"	50.0		82.8	35-91				
2,4-Dichlorophenol	41.7	5.00	"	50.0		83.3	43-92				
2,4-Dimethylphenol	37.8	5.00	"	50.0		75.6	25-92				
2,4-Dinitrophenol	44.3	5.00	"	50.0		88.6	10-149				
2,4-Dinitrotoluene	42.9	5.00	"	50.0		85.8	41-114				
1,2-Dichlorobenzene	37.2	5.00	"	50.0		74.4	42-85				
2,6-Dinitrotoluene	42.9	5.00	"	50.0		85.8	49-106				
2-Chloronaphthalene	40.8	5.00	"	50.0		81.7	40-96				
2-Chlorophenol	30.8	5.00	"	50.0		61.5	35-84				
2-Methylnaphthalene	45.8	5.00	"	50.0		91.7	33-101				
1,3-Dichlorobenzene	36.6	5.00	"	50.0		73.2	45-80				
2-Methylphenol	25.0	5.00	"	50.0		50.0	10-90				
2-Nitroaniline	39.9	5.00	"	50.0		79.8	31-122				
1,4-Dichlorobenzene	36.6	5.00	"	50.0		73.3	42-82				
2-Nitrophenol	37.8	5.00	"	50.0		75.6	37-97				
3- & 4-Methylphenols	22.6	5.00	"	50.0		45.1	10-101				
3,3'-Dichlorobenzidine	44.2	5.00	"	50.0		88.3	25-155				
3-Nitroaniline	35.1	5.00	"	50.0		70.1	29-128				
4,6-Dinitro-2-methylphenol	54.1	5.00	"	50.0		108	10-135				
4-Bromophenyl phenyl ether	44.3	5.00	"	50.0		88.6	38-116				
4-Chloro-3-methylphenol	35.4	5.00	"	50.0		70.9	28-101				
4-Chloroaniline	32.6	5.00	"	50.0		65.2	10-154				
4-Chlorophenyl phenyl ether	46.8	5.00	"	50.0		93.6	34-112				
4-Nitroaniline	38.2	5.00	"	50.0		76.5	15-143				
4-Nitrophenol	14.7	5.00	"	50.0		29.5	10-112				
Acenaphthene	45.1	0.0500	"	50.0		90.1	24-114				
Acenaphthylene	41.2	0.0500	"	50.0		82.4	26-112				
Acetophenone	40.7	5.00	"	50.0		81.4	47-92				
Aniline	21.9	5.00	"	50.0		43.7	10-107				
Anthracene	43.2	0.0500	"	50.0		86.4	35-114				
Atrazine	45.6	0.500	"	50.0		91.3	43-101				
Benzaldehyde	41.2	5.00	"	50.0		82.4	17-117				
Benzo(a)anthracene	45.9	0.0500	"	50.0		91.8	38-127				
Benzo(a)pyrene	40.1	0.0500	"	50.0		80.3	30-146				
Benzo(b)fluoranthene	41.0	0.0500	"	50.0		82.1	36-145				
Benzo(g,h,i)perylene	49.4	0.0500	"	50.0		98.7	10-163				
Benzo(k)fluoranthene	39.6	0.0500	"	50.0		79.1	16-149				
Benzoic acid	ND	50.0	"	50.0			30-130	Low Bias			
Benzyl alcohol	26.7	5.00	"	50.0		53.3	18-75				
Benzyl butyl phthalate	35.3	5.00	"	50.0		70.6	28-129				
Bis(2-chloroethoxy)methane	38.5	5.00	"	50.0		76.9	27-112				
Bis(2-chloroethyl)ether	34.1	5.00	"	50.0		68.3	24-114				
Bis(2-chloroisopropyl)ether	40.0	5.00	"	50.0		80.0	21-124				
Bis(2-ethylhexyl)phthalate	43.8	0.500	"	50.0		87.5	10-171				
Caprolactam	6.38	5.00	"	50.0		12.8	10-29				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BH60980 - EPA 3510C

LCS (BH60980-BS1)

Prepared: 08/16/2016 Analyzed: 08/17/2016

Carbazole	39.9	5.00	ug/L	50.0		79.8	49-116				
Hexachlorobutadiene	45.1	0.500	"	50.0		90.3	25-106				
Chrysene	39.8	0.0500	"	50.0		79.7	33-120				
Dibenzo(a,h)anthracene	56.0	0.0500	"	50.0		112	10-149				
Dibenzofuran	42.2	5.00	"	50.0		84.4	42-105				
Diethyl phthalate	40.2	5.00	"	50.0		80.4	38-112				
Dimethyl phthalate	39.6	5.00	"	50.0		79.2	49-106				
Di-n-butyl phthalate	39.2	5.00	"	50.0		78.4	36-110				
Di-n-octyl phthalate	36.9	5.00	"	50.0		73.7	12-149				
Naphthalene	42.2	0.0500	"	50.0		84.4	30-99				
Fluoranthene	42.6	0.0500	"	50.0		85.1	33-126				
Fluorene	44.1	0.0500	"	50.0		88.3	28-117				
Hexachlorobenzene	41.8	0.0200	"	50.0		83.6	27-120				
Hexachlorocyclopentadiene	39.4	5.00	"	50.0		78.8	10-99				
Hexachloroethane	38.3	0.500	"	50.0		76.6	33-84				
Indeno(1,2,3-cd)pyrene	54.2	0.0500	"	50.0		108	10-150				
Isophorone	36.7	5.00	"	50.0		73.5	29-115				
Nitrobenzene	37.5	0.250	"	50.0		75.1	32-113				
N-Nitrosodimethylamine	14.2	0.500	"	50.0		28.3	10-63				
N-nitroso-di-n-propylamine	38.5	5.00	"	50.0		77.0	36-118				
N-Nitrosodiphenylamine	55.8	5.00	"	50.0		112	27-145				
Pentachlorophenol	40.2	0.250	"	50.0		80.5	19-127				
Phenanthrene	44.4	0.0500	"	50.0		88.8	31-112				
Phenol	14.1	5.00	"	50.0		28.1	10-37				
Pyrene	39.1	0.0500	"	50.0		78.2	42-125				
<i>Surrogate: 2-Fluorophenol</i>	<i>26.1</i>		<i>"</i>	<i>75.4</i>		<i>34.6</i>	<i>12-64</i>				
<i>Surrogate: Phenol-d5</i>	<i>19.0</i>		<i>"</i>	<i>75.5</i>		<i>25.1</i>	<i>10-82</i>				
<i>Surrogate: Nitrobenzene-d5</i>	<i>40.4</i>		<i>"</i>	<i>50.2</i>		<i>80.6</i>	<i>12-96</i>				
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>41.4</i>		<i>"</i>	<i>50.0</i>		<i>82.7</i>	<i>16-84</i>				
<i>Surrogate: 2,4,6-Tribromophenol</i>	<i>74.9</i>		<i>"</i>	<i>75.0</i>		<i>99.9</i>	<i>15-104</i>				
<i>Surrogate: Terphenyl-d14</i>	<i>30.2</i>		<i>"</i>	<i>50.5</i>		<i>59.8</i>	<i>15-106</i>				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting	Units	Spike	Source*	%REC	%REC	Flag	RPD	RPD	Flag
		Limit		Level	Result		Limits			Limit	
Batch BH60980 - EPA 3510C											
LCS (BH60980-BS2)						Prepared: 08/16/2016 Analyzed: 08/18/2016					
1,1'-Biphenyl	ND	5.00	ug/L				21-102				
1,2,4,5-Tetrachlorobenzene	ND	5.00	"				28-105				
1,2-Diphenylhydrazine (as Azobenzene)	ND	5.00	"				16-137				
2,3,4,6-Tetrachlorophenol	ND	5.00	"				30-130				
2,4,5-Trichlorophenol	ND	5.00	"				36-112				
2,4,6-Trichlorophenol	ND	5.00	"				41-107				
1,2,4-Trichlorobenzene	ND	5.00	"				35-91				
2,4-Dichlorophenol	ND	5.00	"				43-92				
2,4-Dimethylphenol	ND	5.00	"				25-92				
2,4-Dinitrophenol	ND	5.00	"				10-149				
2,4-Dinitrotoluene	ND	5.00	"				41-114				
1,2-Dichlorobenzene	ND	5.00	"				42-85				
2,6-Dinitrotoluene	ND	5.00	"				49-106				
2-Chloronaphthalene	ND	5.00	"				40-96				
2-Chlorophenol	ND	5.00	"				35-84				
2-Methylnaphthalene	ND	5.00	"				33-101				
1,3-Dichlorobenzene	ND	5.00	"				45-80				
2-Methylphenol	ND	5.00	"				10-90				
2-Nitroaniline	ND	5.00	"				31-122				
1,4-Dichlorobenzene	ND	5.00	"				42-82				
2-Nitrophenol	ND	5.00	"				37-97				
3- & 4-Methylphenols	ND	5.00	"				10-101				
3,3'-Dichlorobenzidine	ND	5.00	"				25-155				
3-Nitroaniline	ND	5.00	"				29-128				
4,6-Dinitro-2-methylphenol	ND	5.00	"				10-135				
4-Bromophenyl phenyl ether	ND	5.00	"				38-116				
4-Chloro-3-methylphenol	ND	5.00	"				28-101				
4-Chloroaniline	ND	5.00	"				10-154				
4-Chlorophenyl phenyl ether	ND	5.00	"				34-112				
4-Nitroaniline	ND	5.00	"				15-143				
4-Nitrophenol	ND	5.00	"				10-112				
Acenaphthene	0.860	0.0500	"	1.00		86.0	24-114				
Acenaphthylene	0.900	0.0500	"	1.00		90.0	26-112				
Acetophenone	ND	5.00	"				47-92				
Aniline	ND	5.00	"				10-107				
Anthracene	0.940	0.0500	"	1.00		94.0	35-114				
Atrazine	ND	0.500	"				43-101				
Benzaldehyde	ND	5.00	"				17-117				
Benzo(a)anthracene	0.850	0.0500	"	1.00		85.0	38-127				
Benzo(a)pyrene	0.910	0.0500	"	1.00		91.0	30-146				
Benzo(b)fluoranthene	0.860	0.0500	"	1.00		86.0	36-145				
Benzo(g,h,i)perylene	1.07	0.0500	"	1.00		107	10-163				
Benzo(k)fluoranthene	1.03	0.0500	"	1.00		103	16-149				
Benzoic acid	ND	50.0	"				30-130				
Benzyl alcohol	ND	5.00	"				18-75				
Benzyl butyl phthalate	ND	5.00	"				28-129				
Bis(2-chloroethoxy)methane	ND	5.00	"				27-112				
Bis(2-chloroethyl)ether	ND	5.00	"				24-114				
Bis(2-chloroisopropyl)ether	ND	5.00	"				21-124				
Bis(2-ethylhexyl)phthalate	ND	0.500	"				10-171				
Caprolactam	ND	5.00	"				10-29				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BH60980 - EPA 3510C

LCS (BH60980-BS2)

Prepared: 08/16/2016 Analyzed: 08/18/2016

Carbazole	ND	5.00	ug/L				49-116				
Hexachlorobutadiene	ND	0.500	"				25-106				
Chrysene	0.870	0.0500	"	1.00		87.0	33-120				
Dibenzo(a,h)anthracene	1.06	0.0500	"	1.00		106	10-149				
Dibenzofuran	ND	5.00	"				42-105				
Diethyl phthalate	ND	5.00	"				38-112				
Dimethyl phthalate	ND	5.00	"				49-106				
Di-n-butyl phthalate	ND	5.00	"				36-110				
Di-n-octyl phthalate	ND	5.00	"				12-149				
Naphthalene	0.880	0.0500	"	1.00		88.0	30-99				
Fluoranthene	0.940	0.0500	"	1.00		94.0	33-126				
Fluorene	0.830	0.0500	"	1.00		83.0	28-117				
Hexachlorobenzene	ND	0.0200	"				27-120				
Hexachlorocyclopentadiene	ND	5.00	"				10-99				
Hexachloroethane	ND	0.500	"				33-84				
Indeno(1,2,3-cd)pyrene	1.03	0.0500	"	1.00		103	10-150				
Isophorone	ND	5.00	"				29-115				
Nitrobenzene	ND	0.250	"				32-113				
N-Nitrosodimethylamine	ND	0.500	"				10-63				
N-nitroso-di-n-propylamine	ND	5.00	"				36-118				
N-Nitrosodiphenylamine	ND	5.00	"				27-145				
Pentachlorophenol	ND	0.250	"				19-127				
Phenanthrene	0.840	0.0500	"	1.00		84.0	31-112				
Phenol	ND	5.00	"				10-37				
Pyrene	0.950	0.0500	"	1.00		95.0	42-125				
<i>Surrogate: 2-Fluorophenol</i>	<i>0.00</i>		<i>"</i>	<i>75.4</i>			<i>12-64</i>				
<i>Surrogate: Phenol-d5</i>	<i>0.00</i>		<i>"</i>	<i>75.5</i>			<i>10-82</i>				
<i>Surrogate: Nitrobenzene-d5</i>	<i>0.00</i>		<i>"</i>	<i>50.2</i>			<i>12-96</i>				
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>0.00</i>		<i>"</i>	<i>50.0</i>			<i>16-84</i>				
<i>Surrogate: 2,4,6-Tribromophenol</i>	<i>0.00</i>		<i>"</i>	<i>75.0</i>			<i>15-104</i>				
<i>Surrogate: Terphenyl-d14</i>	<i>0.00</i>		<i>"</i>	<i>50.5</i>			<i>15-106</i>				



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 BH60980 - EPA 3510C											
LCS Dup (BH60980-BSD1)						Prepared: 08/16/2016 Analyzed: 08/17/2016					
1,1'-Biphenyl	36.8	5.00	ug/L	50.0		73.6	21-102		13.7	20	
1,2,4,5-Tetrachlorobenzene	42.3	5.00	"	50.0		84.6	28-105		13.9	20	
1,2-Diphenylhydrazine (as Azobenzene)	34.0	5.00	"	50.0		67.9	16-137		24.3	20	Non-dir.
2,3,4,6-Tetrachlorophenol	79.0	5.00	"	50.0		158	30-130	High Bias	9.86	20	
2,4,5-Trichlorophenol	33.0	5.00	"	50.0		66.1	36-112		19.6	20	
2,4,6-Trichlorophenol	37.4	5.00	"	50.0		74.7	41-107		20.8	20	Non-dir.
1,2,4-Trichlorobenzene	34.8	5.00	"	50.0		69.5	35-91		17.5	20	
2,4-Dichlorophenol	34.6	5.00	"	50.0		69.3	43-92		18.4	20	
2,4-Dimethylphenol	33.1	5.00	"	50.0		66.2	25-92		13.2	20	
2,4-Dinitrophenol	36.3	5.00	"	50.0		72.5	10-149		19.9	20	
2,4-Dinitrotoluene	34.5	5.00	"	50.0		68.9	41-114		21.8	20	Non-dir.
1,2-Dichlorobenzene	33.4	5.00	"	50.0		66.8	42-85		10.8	20	
2,6-Dinitrotoluene	36.6	5.00	"	50.0		73.2	49-106		15.9	20	
2-Chloronaphthalene	34.4	5.00	"	50.0		68.9	40-96		17.0	20	
2-Chlorophenol	27.0	5.00	"	50.0		54.1	35-84		12.8	20	
2-Methylnaphthalene	39.3	5.00	"	50.0		78.5	33-101		15.4	20	
1,3-Dichlorobenzene	32.4	5.00	"	50.0		64.8	45-80		12.1	20	
2-Methylphenol	21.6	5.00	"	50.0		43.3	10-90		14.5	20	
2-Nitroaniline	35.6	5.00	"	50.0		71.2	31-122		11.4	20	
1,4-Dichlorobenzene	32.1	5.00	"	50.0		64.2	42-82		13.2	20	
2-Nitrophenol	32.0	5.00	"	50.0		64.0	37-97		16.6	20	
3- & 4-Methylphenols	20.6	5.00	"	50.0		41.2	10-101		9.09	20	
3,3'-Dichlorobenzidine	35.1	5.00	"	50.0		70.2	25-155		22.9	20	Non-dir.
3-Nitroaniline	28.3	5.00	"	50.0		56.6	29-128		21.3	20	Non-dir.
4,6-Dinitro-2-methylphenol	39.3	5.00	"	50.0		78.7	10-135		31.6	20	Non-dir.
4-Bromophenyl phenyl ether	34.8	5.00	"	50.0		69.6	38-116		24.0	20	Non-dir.
4-Chloro-3-methylphenol	30.8	5.00	"	50.0		61.5	28-101		14.2	20	
4-Chloroaniline	27.5	5.00	"	50.0		55.0	10-154		16.9	20	
4-Chlorophenyl phenyl ether	37.6	5.00	"	50.0		75.2	34-112		21.8	20	Non-dir.
4-Nitroaniline	31.8	5.00	"	50.0		63.7	15-143		18.3	20	
4-Nitrophenol	17.5	5.00	"	50.0		35.0	10-112		17.3	20	
Acenaphthene	36.9	0.0500	"	50.0		73.9	24-114		19.8	20	
Acenaphthylene	36.1	0.0500	"	50.0		72.2	26-112		13.1	20	
Acetophenone	34.9	5.00	"	50.0		69.8	47-92		15.3	20	
Aniline	19.5	5.00	"	50.0		39.0	10-107		11.5	20	
Anthracene	33.7	0.0500	"	50.0		67.3	35-114		24.8	20	Non-dir.
Atrazine	33.8	0.500	"	50.0		67.6	43-101		29.8	20	Non-dir.
Benzaldehyde	35.8	5.00	"	50.0		71.6	17-117		14.0	20	
Benzo(a)anthracene	36.8	0.0500	"	50.0		73.6	38-127		22.0	20	Non-dir.
Benzo(a)pyrene	40.5	0.0500	"	50.0		81.0	30-146		0.868	20	
Benzo(b)fluoranthene	38.8	0.0500	"	50.0		77.7	36-145		5.48	20	
Benzo(g,h,i)perylene	41.5	0.0500	"	50.0		83.0	10-163		17.3	20	
Benzo(k)fluoranthene	38.4	0.0500	"	50.0		76.8	16-149		2.95	20	
Benzoic acid	ND	5.00	"	50.0			30-130	Low Bias		20	
Benzyl alcohol	24.2	5.00	"	50.0		48.3	18-75		9.88	20	
Benzyl butyl phthalate	31.7	5.00	"	50.0		63.3	28-129		10.8	20	
Bis(2-chloroethoxy)methane	32.1	5.00	"	50.0		64.1	27-112		18.2	20	
Bis(2-chloroethyl)ether	29.6	5.00	"	50.0		59.2	24-114		14.2	20	
Bis(2-chloroisopropyl)ether	35.6	5.00	"	50.0		71.2	21-124		11.5	20	
Bis(2-ethylhexyl)phthalate	34.6	0.500	"	50.0		69.3	10-171		23.3	20	Non-dir.
Caprolactam	5.47	5.00	"	50.0		10.9	10-29		15.4	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 BH60980 - EPA 3510C											
LCS Dup (BH60980-BSD1)						Prepared: 08/16/2016 Analyzed: 08/17/2016					
Carbazole	30.1	5.00	ug/L	50.0		60.2	49-116		27.9	20	Non-dir.
Hexachlorobutadiene	39.4	0.500	"	50.0		78.8	25-106		13.6	20	
Chrysene	33.8	0.0500	"	50.0		67.7	33-120		16.3	20	
Dibenzo(a,h)anthracene	45.2	0.0500	"	50.0		90.4	10-149		21.4	20	Non-dir.
Dibenzofuran	36.4	5.00	"	50.0		72.9	42-105		14.7	20	
Diethyl phthalate	33.7	5.00	"	50.0		67.4	38-112		17.6	20	
Dimethyl phthalate	36.0	5.00	"	50.0		72.1	49-106		9.33	20	
Di-n-butyl phthalate	34.1	5.00	"	50.0		68.1	36-110		14.0	20	
Di-n-octyl phthalate	36.0	5.00	"	50.0		72.0	12-149		2.39	20	
Naphthalene	38.5	0.0500	"	50.0		77.0	30-99		9.15	20	
Fluoranthene	37.7	0.0500	"	50.0		75.5	33-126		12.0	20	
Fluorene	36.4	0.0500	"	50.0		72.8	28-117		19.1	20	
Hexachlorobenzene	34.2	0.0200	"	50.0		68.4	27-120		19.9	20	
Hexachlorocyclopentadiene	35.5	5.00	"	50.0		71.0	10-99		10.5	20	
Hexachloroethane	35.0	0.500	"	50.0		70.1	33-84		8.87	20	
Indeno(1,2,3-cd)pyrene	43.6	0.0500	"	50.0		87.3	10-150		21.5	20	Non-dir.
Isophorone	32.0	5.00	"	50.0		64.1	29-115		13.7	20	
Nitrobenzene	32.9	0.250	"	50.0		65.7	32-113		13.3	20	
N-Nitrosodimethylamine	13.3	0.500	"	50.0		26.6	10-63		6.48	20	
N-nitroso-di-n-propylamine	34.7	5.00	"	50.0		69.4	36-118		10.4	20	
N-Nitrosodiphenylamine	42.4	5.00	"	50.0		84.9	27-145		27.1	20	Non-dir.
Pentachlorophenol	28.9	0.250	"	50.0		57.8	19-127		32.8	20	Non-dir.
Phenanthrene	35.8	0.0500	"	50.0		71.6	31-112		21.4	20	Non-dir.
Phenol	11.7	5.00	"	50.0		23.4	10-37		18.2	20	
Pyrene	34.0	0.0500	"	50.0		68.0	42-125		13.9	20	
<i>Surrogate: 2-Fluorophenol</i>	<i>22.9</i>		<i>"</i>	<i>75.4</i>		<i>30.4</i>	<i>12-64</i>				
<i>Surrogate: Phenol-d5</i>	<i>16.3</i>		<i>"</i>	<i>75.5</i>		<i>21.6</i>	<i>10-82</i>				
<i>Surrogate: Nitrobenzene-d5</i>	<i>36.4</i>		<i>"</i>	<i>50.2</i>		<i>72.5</i>	<i>12-96</i>				
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>35.3</i>		<i>"</i>	<i>50.0</i>		<i>70.5</i>	<i>16-84</i>				
<i>Surrogate: 2,4,6-Tribromophenol</i>	<i>55.8</i>		<i>"</i>	<i>75.0</i>		<i>74.3</i>	<i>15-104</i>				
<i>Surrogate: Terphenyl-d14</i>	<i>25.5</i>		<i>"</i>	<i>50.5</i>		<i>50.6</i>	<i>15-106</i>				



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 BH60884 - EPA 3550C

Blank (BH60884-BLK1)

Prepared: 08/15/2016 Analyzed: 08/16/2016

4,4'-DDD	ND	0.000330	mg/kg wet								
4,4'-DDE	ND	0.000330	"								
4,4'-DDT	ND	0.000330	"								
Aldrin	ND	0.000330	"								
alpha-BHC	ND	0.000330	"								
alpha-Chlordane	ND	0.000330	"								
beta-BHC	ND	0.000330	"								
Chlordane, total	ND	0.0132	"								
delta-BHC	ND	0.000330	"								
Dieldrin	ND	0.000330	"								
Endosulfan I	ND	0.000330	"								
Endosulfan II	ND	0.000330	"								
Endosulfan sulfate	ND	0.000330	"								
Endrin	ND	0.000330	"								
Endrin aldehyde	ND	0.000330	"								
Endrin ketone	ND	0.000330	"								
gamma-BHC (Lindane)	ND	0.000330	"								
gamma-Chlordane	ND	0.000330	"								
Heptachlor	ND	0.000330	"								
Heptachlor epoxide	ND	0.000330	"								
Methoxychlor	ND	0.00165	"								
Toxaphene	ND	0.0167	"								
Surrogate: Decachlorobiphenyl	0.0432		"	0.0667		64.8	30-140				
Surrogate: Tetrachloro-m-xylene	0.0452		"	0.0667		67.8	30-140				

LCS (BH60884-BS1)

Prepared: 08/15/2016 Analyzed: 08/16/2016

4,4'-DDD	0.0386	0.000330	mg/kg wet	0.0333		116	40-140				
4,4'-DDE	0.0357	0.000330	"	0.0333		107	40-140				
4,4'-DDT	0.0354	0.000330	"	0.0333		106	40-140				
Aldrin	0.0341	0.000330	"	0.0333		102	40-140				
alpha-BHC	0.0366	0.000330	"	0.0333		110	40-140				
alpha-Chlordane	0.0309	0.000330	"	0.0333		92.8	40-140				
beta-BHC	0.0338	0.000330	"	0.0333		101	40-140				
delta-BHC	0.0378	0.000330	"	0.0333		113	40-140				
Dieldrin	0.0323	0.000330	"	0.0333		96.9	40-140				
Endosulfan I	0.0318	0.000330	"	0.0333		95.4	40-140				
Endosulfan II	0.0305	0.000330	"	0.0333		91.6	40-140				
Endosulfan sulfate	0.0314	0.000330	"	0.0333		94.2	40-140				
Endrin	0.0339	0.000330	"	0.0333		102	40-140				
Endrin aldehyde	0.0266	0.000330	"	0.0333		79.9	40-140				
Endrin ketone	0.0293	0.000330	"	0.0333		87.9	40-140				
gamma-BHC (Lindane)	0.0353	0.000330	"	0.0333		106	40-140				
gamma-Chlordane	0.0311	0.000330	"	0.0333		93.3	40-140				
Heptachlor	0.0317	0.000330	"	0.0333		95.1	40-140				
Heptachlor epoxide	0.0311	0.000330	"	0.0333		93.2	40-140				
Methoxychlor	0.0399	0.00165	"	0.0333		120	40-140				
Surrogate: Decachlorobiphenyl	0.0510		"	0.0667		76.5	30-140				
Surrogate: Tetrachloro-m-xylene	0.0590		"	0.0667		88.5	30-140				



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 BH60884 - EPA 3550C

LCS Dup (BH60884-BSD1)

Prepared: 08/15/2016 Analyzed: 08/16/2016

4,4'-DDD	0.0352	0.000330	mg/kg wet	0.0333		105	40-140		9.27	30	
4,4'-DDE	0.0286	0.000330	"	0.0333		85.7	40-140		22.1	30	
4,4'-DDT	0.0298	0.000330	"	0.0333		89.3	40-140		17.4	30	
Aldrin	0.0274	0.000330	"	0.0333		82.1	40-140		21.9	30	
alpha-BHC	0.0289	0.000330	"	0.0333		86.6	40-140		23.7	30	
alpha-Chlordane	0.0255	0.000330	"	0.0333		76.4	40-140		19.3	30	
beta-BHC	0.0268	0.000330	"	0.0333		80.3	40-140		23.3	30	
delta-BHC	0.0305	0.000330	"	0.0333		91.4	40-140		21.4	30	
Dieldrin	0.0265	0.000330	"	0.0333		79.6	40-140		19.5	30	
Endosulfan I	0.0262	0.000330	"	0.0333		78.5	40-140		19.4	30	
Endosulfan II	0.0255	0.000330	"	0.0333		76.4	40-140		18.1	30	
Endosulfan sulfate	0.0257	0.000330	"	0.0333		77.1	40-140		20.0	30	
Endrin	0.0281	0.000330	"	0.0333		84.3	40-140		18.6	30	
Endrin aldehyde	0.0221	0.000330	"	0.0333		66.4	40-140		18.4	30	
Endrin ketone	0.0247	0.000330	"	0.0333		74.1	40-140		17.0	30	
gamma-BHC (Lindane)	0.0283	0.000330	"	0.0333		84.8	40-140		22.2	30	
gamma-Chlordane	0.0254	0.000330	"	0.0333		76.2	40-140		20.1	30	
Heptachlor	0.0252	0.000330	"	0.0333		75.7	40-140		22.8	30	
Heptachlor epoxide	0.0254	0.000330	"	0.0333		76.1	40-140		20.2	30	
Methoxychlor	0.0340	0.00165	"	0.0333		102	40-140		16.0	30	
Surrogate: Decachlorobiphenyl	0.0488		"	0.0667		73.2	30-140				
Surrogate: Tetrachloro-m-xylene	0.0531		"	0.0667		79.6	30-140				

Matrix Spike (BH60884-MS1)

*Source sample: 16H0538-02 (SB-9 (8'-9'))

Prepared: 08/15/2016 Analyzed: 08/17/2016

4,4'-DDD	0.0309	0.00182	mg/kg dry	0.0367	ND	84.2	30-150				
4,4'-DDE	0.0209	0.00182	"	0.0367	ND	56.9	30-150				
4,4'-DDT	0.0286	0.00182	"	0.0367	ND	78.0	30-150				
Aldrin	0.0262	0.00182	"	0.0367	ND	71.5	30-150				
alpha-BHC	0.0310	0.00182	"	0.0367	ND	84.5	30-150				
alpha-Chlordane	0.0292	0.00182	"	0.0367	ND	79.6	30-150				
beta-BHC	0.0329	0.00182	"	0.0367	ND	89.7	30-150				
delta-BHC	0.0331	0.00182	"	0.0367	ND	90.1	30-150				
Dieldrin	0.0311	0.00182	"	0.0367	ND	84.6	30-150				
Endosulfan I	0.0319	0.00182	"	0.0367	ND	86.8	30-150				
Endosulfan II	0.0329	0.00182	"	0.0367	ND	89.6	30-150				
Endosulfan sulfate	0.0308	0.00182	"	0.0367	ND	84.0	30-150				
Endrin	0.0343	0.00182	"	0.0367	ND	93.5	30-150				
Endrin aldehyde	0.0330	0.00182	"	0.0367	ND	89.9	30-150				
Endrin ketone	0.0310	0.00182	"	0.0367	ND	84.6	30-150				
gamma-BHC (Lindane)	0.0328	0.00182	"	0.0367	ND	89.3	30-150				
gamma-Chlordane	0.0280	0.00182	"	0.0367	ND	76.3	30-150				
Heptachlor	0.0287	0.00182	"	0.0367	ND	78.1	30-150				
Heptachlor epoxide	0.0319	0.00182	"	0.0367	ND	86.9	30-150				
Methoxychlor	0.0357	0.00909	"	0.0367	ND	97.2	30-150				
Surrogate: Decachlorobiphenyl	0.0424		"	0.0734		57.7	30-140				
Surrogate: Tetrachloro-m-xylene	0.0508		"	0.0734		69.2	30-140				



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 BH60908 - EPA SW846-3510C Low Level

Blank (BH60908-BLK1)

Prepared: 08/15/2016 Analyzed: 08/17/2016

4,4'-DDD	ND	0.00400	ug/L								
4,4'-DDE	ND	0.00400	"								
4,4'-DDT	ND	0.00400	"								
Aldrin	ND	0.00400	"								
alpha-BHC	ND	0.00400	"								
alpha-Chlordane	ND	0.00400	"								
beta-BHC	ND	0.00400	"								
Chlordane, total	ND	0.0400	"								
delta-BHC	ND	0.00400	"								
Dieldrin	ND	0.00200	"								
Endosulfan I	ND	0.00400	"								
Endosulfan II	ND	0.00400	"								
Endosulfan sulfate	ND	0.00400	"								
Endrin	ND	0.00400	"								
Endrin aldehyde	ND	0.0100	"								
Endrin ketone	ND	0.0100	"								
gamma-BHC (Lindane)	ND	0.00400	"								
gamma-Chlordane	ND	0.0100	"								
Heptachlor	ND	0.00400	"								
Heptachlor epoxide	ND	0.00400	"								
Methoxychlor	ND	0.00400	"								
Toxaphene	ND	0.100	"								
Surrogate: Decachlorobiphenyl	0.122		"	0.200		61.0	30-120				
Surrogate: Tetrachloro-m-xylene	0.126		"	0.200		63.1	30-120				

LCS (BH60908-BS1)

Prepared: 08/15/2016 Analyzed: 08/17/2016

4,4'-DDD	0.101	0.00400	ug/L	0.100		101	40-120				
4,4'-DDE	0.0758	0.00400	"	0.100		75.8	40-120				
4,4'-DDT	0.0949	0.00400	"	0.100		94.9	40-120				
Aldrin	0.0684	0.00400	"	0.100		68.4	40-120				
alpha-BHC	0.0798	0.00400	"	0.100		79.8	40-120				
alpha-Chlordane	0.0753	0.00400	"	0.100		75.3	40-120				
beta-BHC	0.0780	0.00400	"	0.100		78.0	40-120				
delta-BHC	0.0854	0.00400	"	0.100		85.4	40-120				
Dieldrin	0.0796	0.00200	"	0.100		79.6	40-120				
Endosulfan I	0.0777	0.00400	"	0.100		77.7	40-120				
Endosulfan II	0.0783	0.00400	"	0.100		78.3	40-120				
Endosulfan sulfate	0.0821	0.00400	"	0.100		82.1	40-120				
Endrin	0.0847	0.00400	"	0.100		84.7	40-120				
Endrin aldehyde	0.0679	0.0100	"	0.100		67.9	40-120				
Endrin ketone	0.0750	0.0100	"	0.100		75.0	40-120				
gamma-BHC (Lindane)	0.0798	0.00400	"	0.100		79.8	40-120				
gamma-Chlordane	0.0746	0.0100	"	0.100		74.6	40-120				
Heptachlor	0.0738	0.00400	"	0.100		73.8	40-120				
Heptachlor epoxide	0.0740	0.00400	"	0.100		74.0	40-120				
Methoxychlor	0.105	0.00400	"	0.100		105	40-120				
Surrogate: Decachlorobiphenyl	0.121		"	0.200		60.3	30-120				
Surrogate: Tetrachloro-m-xylene	0.122		"	0.200		61.2	30-120				



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 BH60908 - EPA SW846-3510C Low Level

LCS Dup (BH60908-BSD1)

Prepared: 08/15/2016 Analyzed: 08/17/2016

4,4'-DDD	0.0972	0.00400	ug/L	0.100		97.2	40-120		3.83	30
4,4'-DDE	0.0823	0.00400	"	0.100		82.3	40-120		8.23	30
4,4'-DDT	0.0923	0.00400	"	0.100		92.3	40-120		2.81	30
Aldrin	0.0718	0.00400	"	0.100		71.8	40-120		4.90	30
alpha-BHC	0.0844	0.00400	"	0.100		84.4	40-120		5.55	30
alpha-Chlordane	0.0798	0.00400	"	0.100		79.8	40-120		5.81	30
beta-BHC	0.0832	0.00400	"	0.100		83.2	40-120		6.49	30
delta-BHC	0.0919	0.00400	"	0.100		91.9	40-120		7.28	30
Dieldrin	0.0843	0.00200	"	0.100		84.3	40-120		5.77	30
Endosulfan I	0.0855	0.00400	"	0.100		85.5	40-120		9.51	30
Endosulfan II	0.0827	0.00400	"	0.100		82.7	40-120		5.46	30
Endosulfan sulfate	0.0809	0.00400	"	0.100		80.9	40-120		1.51	30
Endrin	0.0902	0.00400	"	0.100		90.2	40-120		6.27	30
Endrin aldehyde	0.0735	0.0100	"	0.100		73.5	40-120		7.85	30
Endrin ketone	0.0787	0.0100	"	0.100		78.7	40-120		4.82	30
gamma-BHC (Lindane)	0.0844	0.00400	"	0.100		84.4	40-120		5.66	30
gamma-Chlordane	0.0793	0.0100	"	0.100		79.3	40-120		6.08	30
Heptachlor	0.0776	0.00400	"	0.100		77.6	40-120		5.02	30
Heptachlor epoxide	0.0782	0.00400	"	0.100		78.2	40-120		5.52	30
Methoxychlor	0.0949	0.00400	"	0.100		94.9	40-120		10.3	30
Surrogate: Decachlorobiphenyl	0.125		"	0.200		62.3	30-120			
Surrogate: Tetrachloro-m-xylene	0.127		"	0.200		63.5	30-120			

Batch Y6H1626 - BG60996

Performance Mix (Y6H1626-PEM1)

Prepared & Analyzed: 08/15/2016

4,4'-DDD	0.00		ng/mL	0.00			0-200			
4,4'-DDE	0.613		"	0.00			0-200			
4,4'-DDT	125		"	200		62.7	0-200			
Endrin	77.5		"	100		77.5	0-200			
Endrin aldehyde	0.323		"	0.00			0-200			
Endrin ketone	1.30		"	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 Y6H1626 - BG60996

Performance Mix (Y6H1626-PEM2)

Prepared & Analyzed: 08/15/2016

4,4'-DDD	0.00		ng/mL	0.00			0-200			
4,4'-DDE	0.871		"	0.00			0-200			
4,4'-DDT	187		"	200		93.5	0-200			
Endrin	114		"	100		114	0-200			
Endrin aldehyde	0.515		"	0.00			0-200			
Endrin ketone	2.32		"	0.00			0-200			

Batch Y6H1725 - BH60884

Performance Mix (Y6H1725-PEM1)

Prepared & Analyzed: 08/16/2016

4,4'-DDD	0.00		ng/mL	0.00			0-200			
4,4'-DDE	1.09		"	0.00			0-200			
4,4'-DDT	153		"	200		76.7	0-200			
Endrin	99.5		"	100		99.5	0-200			
Endrin aldehyde	0.761		"	0.00			0-200			
Endrin ketone	2.69		"	0.00			0-200			

Performance Mix (Y6H1725-PEM2)

Prepared & Analyzed: 08/16/2016

4,4'-DDD	0.00		ng/mL	0.00			0-200			
4,4'-DDE	1.31		"	0.00			0-200			
4,4'-DDT	165		"	200		82.5	0-200			
Endrin	106		"	100		106	0-200			
Endrin aldehyde	0.863		"	0.00			0-200			
Endrin ketone	2.04		"	0.00			0-200			

Performance Mix (Y6H1725-PEM3)

Prepared: 08/16/2016 Analyzed: 08/17/2016

4,4'-DDD	0.00		ng/mL	0.00			0-200			
4,4'-DDE	1.20		"	0.00			0-200			
4,4'-DDT	181		"	200		90.5	0-200			
Endrin	112		"	100		112	0-200			
Endrin aldehyde	0.911		"	0.00			0-200			
Endrin ketone	2.55		"	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 BH60884 - EPA 3550C

Blank (BH60884-BLK2)

Prepared & Analyzed: 08/15/2016

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	"								
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>0.0480</i>		<i>"</i>	<i>0.0667</i>		<i>72.0</i>	<i>30-140</i>				
<i>Surrogate: Decachlorobiphenyl</i>	<i>0.0470</i>		<i>"</i>	<i>0.0667</i>		<i>70.5</i>	<i>30-140</i>				

LCS (BH60884-BS2)

Prepared & Analyzed: 08/15/2016

Aroclor 1016	0.351	0.0167	mg/kg wet	0.333		105	40-130				
Aroclor 1260	0.350	0.0167	"	0.333		105	40-130				
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>0.0737</i>		<i>"</i>	<i>0.0667</i>		<i>110</i>	<i>30-140</i>				
<i>Surrogate: Decachlorobiphenyl</i>	<i>0.0793</i>		<i>"</i>	<i>0.0667</i>		<i>119</i>	<i>30-140</i>				

LCS Dup (BH60884-BS2)

Prepared & Analyzed: 08/15/2016

Aroclor 1016	0.302	0.0167	mg/kg wet	0.333		90.6	40-130		15.1	25	
Aroclor 1260	0.276	0.0167	"	0.333		82.7	40-130		23.8	25	
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>0.0530</i>		<i>"</i>	<i>0.0667</i>		<i>79.5</i>	<i>30-140</i>				
<i>Surrogate: Decachlorobiphenyl</i>	<i>0.0553</i>		<i>"</i>	<i>0.0667</i>		<i>83.0</i>	<i>30-140</i>				

Batch BH60908 - EPA SW846-3510C Low Level

Blank (BH60908-BLK2)

Prepared: 08/15/2016 Analyzed: 08/16/2016

Aroclor 1016	ND	0.0500	ug/L								
Aroclor 1221	ND	0.0500	"								
Aroclor 1232	ND	0.0500	"								
Aroclor 1242	ND	0.0500	"								
Aroclor 1248	ND	0.0500	"								
Aroclor 1254	ND	0.0500	"								
Aroclor 1260	ND	0.0500	"								
Total PCBs	ND	0.0500	"								
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>0.163</i>		<i>"</i>	<i>0.200</i>		<i>81.5</i>	<i>30-120</i>				
<i>Surrogate: Decachlorobiphenyl</i>	<i>0.167</i>		<i>"</i>	<i>0.200</i>		<i>83.5</i>	<i>30-120</i>				



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 BH60908 - EPA SW846-3510C Low Level

LCS (BH60908-BS2)

Prepared: 08/15/2016 Analyzed: 08/16/2016

Aroclor 1016	0.805	0.0500	ug/L	1.00		80.5	40-120				
Aroclor 1260	0.789	0.0500	"	1.00		78.9	40-120				
Surrogate: Tetrachloro-m-xylene	0.158		"	0.200		79.0	30-120				
Surrogate: Decachlorobiphenyl	0.169		"	0.200		84.5	30-120				

LCS Dup (BH60908-BSD2)

Prepared: 08/15/2016 Analyzed: 08/16/2016

Aroclor 1016	0.635	0.0500	ug/L	1.00		63.5	40-120		23.5	30	
Aroclor 1260	0.669	0.0500	"	1.00		66.9	40-120		16.5	30	
Surrogate: Tetrachloro-m-xylene	0.105		"	0.200		52.5	30-120				
Surrogate: Decachlorobiphenyl	0.159		"	0.200		79.5	30-120				



Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BH60812 - EPA 3050B

Blank (BH60812-BLK1)

Prepared: 08/12/2016 Analyzed: 08/13/2016

Aluminum	ND	5.00	mg/kg wet
Antimony	ND	0.500	"
Arsenic	ND	1.00	"
Barium	ND	1.00	"
Beryllium	ND	0.100	"
Cadmium	ND	0.300	"
Calcium	ND	5.00	"
Chromium	ND	0.500	"
Cobalt	ND	0.500	"
Copper	ND	0.500	"
Iron	ND	2.00	"
Lead	ND	0.300	"
Magnesium	ND	5.00	"
Manganese	ND	0.500	"
Nickel	ND	0.500	"
Potassium	ND	5.00	"
Selenium	ND	1.00	"
Silver	ND	0.500	"
Sodium	ND	10.0	"
Thallium	ND	1.00	"
Vanadium	ND	1.00	"
Zinc	ND	1.00	"

Duplicate (BH60812-DUP1)

*Source sample: 16H0538-01 (SB-9 (4'-5'))

Prepared: 08/12/2016 Analyzed: 08/13/2016

Aluminum	9990	5.56	mg/kg dry	10000	0.362	35
Antimony	ND	0.556	"	ND		35
Arsenic	6.56	1.11	"	6.50	0.865	35
Barium	131	1.11	"	132	0.261	35
Beryllium	ND	0.111	"	ND		35
Cadmium	0.654	0.334	"	0.757	14.6	35
Calcium	55000	5.56	"	56100	2.00	35
Chromium	24.3	0.556	"	24.3	0.325	35
Cobalt	7.93	0.556	"	7.85	0.914	35
Copper	30.0	0.556	"	30.0	0.196	35
Iron	14500	2.23	"	14600	0.885	35
Lead	65.3	0.334	"	64.5	1.20	35
Magnesium	6930	5.56	"	7000	0.977	35
Manganese	265	0.556	"	266	0.454	35
Nickel	19.7	0.556	"	19.8	0.624	35
Potassium	2990	5.56	"	3000	0.290	35
Selenium	1.68	1.11	"	2.91	53.5	35 Non-dir.
Silver	ND	0.556	"	ND		35
Sodium	1980	11.1	"	2010	1.66	35
Thallium	ND	1.11	"	ND		35
Vanadium	27.1	1.11	"	27.1	0.0886	35
Zinc	85.7	1.11	"	86.1	0.444	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 BH60812 - EPA 3050B

Matrix Spike (BH60812-MS1)		*Source sample: 16H0538-01 (SB-9 (4'-5'))					Prepared: 08/12/2016 Analyzed: 08/13/2016				
Aluminum	9620	5.56	mg/kg dry	223	10000	NR	75-125	Low Bias			
Antimony	20.8	0.556	"	27.8	ND	74.6	75-125	Low Bias			
Arsenic	193	1.11	"	223	6.50	84.0	75-125				
Barium	315	1.11	"	223	132	82.3	75-125				
Beryllium	4.65	0.111	"	5.56	ND	83.6	75-125				
Cadmium	4.95	0.334	"	5.56	0.757	75.3	75-125				
Chromium	41.7	0.556	"	22.3	24.3	77.9	75-125				
Cobalt	54.0	0.556	"	55.6	7.85	83.0	75-125				
Copper	53.9	0.556	"	27.8	30.0	85.8	75-125				
Iron	13700	2.23	"	111	14600	NR	75-125	Low Bias			
Lead	104	0.334	"	55.6	64.5	70.0	75-125	Low Bias			
Magnesium	6540	5.56	"		7000		75-125				
Manganese	298	0.556	"	55.6	266	57.0	75-125	Low Bias			
Nickel	68.8	0.556	"	55.6	19.8	88.0	75-125				
Potassium	2800	5.56	"		3000		75-125				
Selenium	189	1.11	"	223	2.91	83.7	75-125				
Silver	ND	0.556	"	5.56	ND		75-125	Low Bias			
Sodium	1870	11.1	"		2010		75-125				
Thallium	163	1.11	"	223	ND	73.3	75-125	Low Bias			
Vanadium	73.4	1.11	"	55.6	27.1	83.3	75-125				
Zinc	124	1.11	"	55.6	86.1	67.5	75-125	Low Bias			

Batch BH60817 - EPA 3015A

Blank (BH60817-BLK1)		Prepared & Analyzed: 08/12/2016									
Aluminum	ND	50.0	ug/L								
Barium	ND	10.0	"								
Calcium	ND	50.0	"								
Chromium	ND	5.00	"								
Copper	ND	3.00	"								
Iron	ND	20.0	"								
Lead	ND	3.00	"								
Magnesium	ND	50.0	"								
Manganese	ND	5.00	"								
Nickel	ND	5.00	"								
Potassium	ND	50.0	"								
Selenium	ND	10.0	"								
Silver	ND	5.00	"								
Sodium	ND	100	"								
Vanadium	ND	10.0	"								
Zinc	ND	10.0	"								



Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BH60817 - EPA 3015A

Reference (BH60817-SRM1)

Prepared & Analyzed: 08/12/2016

Aluminum	0.527		ug/mL	0.480		110	79.1-121.5				
Barium	0.380		"	0.400		94.9	85-115				
Calcium	96.8		"	107		90.5	86-114				
Chromium	0.215		"	0.220		97.6	85-115				
Copper	0.794		"	0.760		105	85-115				
Iron	0.852		"	0.900		94.6	85-115				
Lead	0.787		"	0.840		93.7	85-115				
Magnesium	16.4		"	17.9		91.8	86-114				
Manganese	1.13		"	1.20		94.4	85-115				
Nickel	0.585		"	0.600		97.4	87.5-113.3				
Potassium	26.6		"	29.1		91.4	84.9-115				
Selenium	0.668		"	0.720		92.8	85-115				
Silver	0.758		"	0.829		91.4	85-114.9				
Sodium	91.7		"	99.8		91.8	85-115				
Vanadium	0.203		"	0.220		92.5	85-115				
Zinc	0.588		"	0.580		101	85-115				

Batch BH60889 - EPA 200.7

Blank (BH60889-BLK1)

Prepared & Analyzed: 08/15/2016

Aluminum - Dissolved	ND	50.0	ug/L								
Barium - Dissolved	ND	10.0	"								
Calcium - Dissolved	ND	50.0	"								
Chromium - Dissolved	ND	5.00	"								
Copper - Dissolved	ND	3.00	"								
Iron - Dissolved	ND	20.0	"								
Lead - Dissolved	ND	3.00	"								
Magnesium - Dissolved	ND	50.0	"								
Manganese - Dissolved	ND	5.00	"								
Nickel - Dissolved	ND	5.00	"								
Potassium - Dissolved	ND	50.0	"								
Selenium - Dissolved	ND	10.0	"								
Silver - Dissolved	ND	5.00	"								
Sodium - Dissolved	ND	100	"								
Vanadium - Dissolved	ND	10.0	"								
Zinc - Dissolved	ND	10.0	"								



Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BH60889 - EPA 200.7

Reference (BH60889-SRM1)

Prepared & Analyzed: 08/15/2016

Aluminum - Dissolved	0.516		ug/mL	0.480		108	79.1-121.5				
Barium - Dissolved	0.390		"	0.400		97.6	85-115				
Calcium - Dissolved	102		"	107		95.2	86-114				
Chromium - Dissolved	0.221		"	0.220		101	85-115				
Copper - Dissolved	0.780		"	0.760		103	85-115				
Iron - Dissolved	0.870		"	0.900		96.6	85-115				
Lead - Dissolved	0.810		"	0.840		96.5	85-115				
Magnesium - Dissolved	17.3		"	17.9		96.9	86-114				
Manganese - Dissolved	1.18		"	1.20		98.6	85-115				
Nickel - Dissolved	0.598		"	0.600		99.6	87.5-113.3				
Potassium - Dissolved	28.4		"	29.1		97.5	84.9-115				
Selenium - Dissolved	0.687		"	0.720		95.4	85-115				
Silver - Dissolved	0.802		"	0.829		96.7	85-114.9				
Sodium - Dissolved	95.6		"	99.8		95.8	85-115				
Vanadium - Dissolved	0.211		"	0.220		95.7	85-115				
Zinc - Dissolved	0.589		"	0.580		102	85-115				



Metals by ICP/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BH60803 - EPA 3015A

Blank (BH60803-BLK1)

Prepared: 08/12/2016 Analyzed: 08/14/2016

Antimony	ND	1.00	ug/L
Arsenic	ND	1.00	"
Beryllium	ND	0.300	"
Cadmium	ND	0.500	"
Molybdenum	ND	1.00	"
Thallium	ND	1.00	"

Reference (BH60803-SRM1)

Prepared: 08/12/2016 Analyzed: 08/14/2016

Antimony	39.5	1.00	ug/L	35.9	110	69.9-130.1
Arsenic	43.4	1.00	"	41.6	104	69.9-130
Beryllium	4.65	0.300	"	3.62	128	85.1-114.9 High Bias
Cadmium	44.2	0.500	"	43.0	103	80-120
Molybdenum	57.6	1.00	"	60.5	95.3	84.9-115
Thallium	8.33	1.00	"	8.04	104	70-130.5

Batch BH60804 - EPA 3015A

Blank (BH60804-BLK1)

Prepared: 08/12/2016 Analyzed: 08/14/2016

Antimony - Dissolved	ND	1.00	ug/L
Arsenic - Dissolved	ND	1.00	"
Beryllium - Dissolved	ND	0.100	"
Cadmium - Dissolved	ND	0.500	"
Molybdenum - Dissolved	ND	1.00	"
Thallium - Dissolved	ND	1.00	"

Reference (BH60804-SRM1)

Prepared: 08/12/2016 Analyzed: 08/14/2016

Antimony - Dissolved	38.6	1.00	ug/L	35.9	108	69.9-130.1
Arsenic - Dissolved	44.1	1.00	"	41.6	106	69.9-130
Beryllium - Dissolved	4.54	0.100	"	3.62	125	85.1-114.9 High Bias
Cadmium - Dissolved	43.6	0.500	"	43.0	101	80-120
Molybdenum - Dissolved	58.8	1.00	"	60.5	97.1	84.9-115
Thallium - Dissolved	8.17	1.00	"	8.04	102	70-130.5



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 BH60763 - EPA 7473 soil

Blank (BH60763-BLK1)

Prepared & Analyzed: 08/12/2016

Mercury ND 0.0300 mg/kg wet

Reference (BH60763-SRM1)

Prepared & Analyzed: 08/12/2016

Mercury 6.6536 mg/kg 5.76 116 71.2-129

Batch BH60859 - EPA 7473 water

Blank (BH60859-BLK1)

Prepared & Analyzed: 08/15/2016

Mercury ND 0.00020 mg/L

Mercury - Dissolved ND 0.20 ug/L

Reference (BH60859-SRM1)

Prepared & Analyzed: 08/15/2016

Mercury - Dissolved 0.0016382 mg/L 0.00230 71.2 61.3-135

Mercury 0.00164 mg/kg 0.00230 71.2 61.3-135



Wet Chemistry Parameters - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BH60953 - EPA SW846-3060

Blank (BH60953-BLK1)								Prepared & Analyzed: 08/16/2016			
Chromium, Hexavalent	ND	0.500	mg/kg wet								
Reference (BH60953-SRM1)								Prepared & Analyzed: 08/16/2016			
Chromium, Hexavalent	86.4		mg/L	108		80.0	29.8-206				

Batch BH61110 - Analysis Preparation Soil

Blank (BH61110-BLK1)								Prepared & Analyzed: 08/18/2016			
Cyanide, total	ND	0.500	mg/kg wet								
Duplicate (BH61110-DUP1)								Prepared & Analyzed: 08/18/2016			
*Source sample: 16H0538-01 (SB-9 (4'-5'))											
Cyanide, total	ND	0.556	mg/kg dry		ND					15	
Matrix Spike (BH61110-MS1)								Prepared & Analyzed: 08/18/2016			
*Source sample: 16H0538-01 (SB-9 (4'-5'))											
Cyanide, total	9.74	0.556	mg/kg dry	11.1	ND	87.5	79.6-107				
Reference (BH61110-SRM1)								Prepared & Analyzed: 08/18/2016			
Cyanide, total	54.0		ug/mL	53.9		100	37.5-163.7				



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
16H0538-01	SB-9 (4'-5')	40mL Vial with Stir Bar-Cool 4° C
16H0538-02	SB-9 (8'-9')	40mL Vial with Stir Bar-Cool 4° C
16H0538-03	TW-2	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
16H0538-04	SB-8 (1'-2')	40mL Vial with Stir Bar-Cool 4° C
16H0538-05	SB-8 (8'-9')	40mL Vial with Stir Bar-Cool 4° C
16H0538-06	SB-10 (1'-2')	40mL Vial with Stir Bar-Cool 4° C
16H0538-07	SB-10 (8'-9')	40mL Vial with Stir Bar-Cool 4° C
16H0538-08	Trip Blank	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



Notes and Definitions

SCAL-E	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration (average Rf>20%).
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.
M-RPD	Sample conc. <5 X reporting limit.
M-MISpk	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The SRM was within acceptance limits, therefore data are acceptable.
M-LSRD	Original sample conc <50 X reporting limit.
M-HCSpk	Sample conc. >10 X spike conc.
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.
IS-06	Internal standard perylene-d12 did not meet acceptance criteria. The sample was reanalyzed to confirm matrix interference. Compounds affected are: Benzo(g,h,i)perylene, Dibenzo(a,h)anthracene and Indeno(1,2,3-cd)pyrene.
GC-Surr	Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the alternate surrogate.
GC-SCU	This surrogate recovered below control limits due to extract clean-up required. The alternate surrogate, Decachlorobiphenyl is within control limits.
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).

*	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
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.

York Project No. **16H0538**

Page **1** of **1**

YOUR Information		Report to:		Invoice To:		Your Project ID		Turn-Around Time		Report/Deliverable Type	
Company: AKRF, Inc.		SAME ☒		SAME ☒		1678 & 1700 Park Avenue		RUSH-Same Day		Summary Report	
Address: 440 Park Ave. S. 7th Fl.		Name:		Name:		Purchase Order #		RUSH-Next Day		QA Report	
New York, NY 10016		Company:		Company:		12431		RUSH-Two Day		CT RCP	
Phone: 646.388.9784		Address:		Address:		Samples from CT NY NJ		RUSH-Three Day		CT RCP DQADUE Pkg	
Contact: J. Patrick Diggins		E-mail:		E-mail:				RUSH-Four Day		NY ASP A Package	
E-mail: jdiggins@akrf.com								Standard (5-7day)		NY ASP B Package	
										NJDEP Reduced Deliv	

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.

Samples Collected/Authorized By (Signature)
Will Grosser
Name (printed)
Will Grosser

Matrix Codes
S - soil
Other - specify (oil, etc)
WW - wastewater
GW - groundwater
DW - drinking water
Air - A - ambient air
Air-SV - soil vapor

Sample Identification	Date+Time Sampled	Matrix	Analysis Requested (List above includes common analysis)	Container Description
SB-9 (4'-5')	8/10/16 10:05	S	VOCs (EPA 8260C), SVOCs (EPA 8270D), Pesticides (EPA 8081), PCBs (EPA 8082) TAL Metals (EPA 6000/7000 series)	
SB-9 (8'-9')	8/10/16 10:20	S	VOCs (EPA 8260C), SVOCs (EPA 8270D), Pesticides (EPA 8081), PCBs (EPA 8082) TAL Metals (EPA 6000/7000 series)	
TW-2	8/10/16 11:20	GW	VOCs (EPA 8260C), SVOCs (EPA 8270D), Pesticides (EPA 8081), PCBs (EPA 8082) TAL Metals (EPA 6000/7000 series)	
SB-8 (1'-2')	8/10/16 13:40	S	VOCs (EPA 8260C), SVOCs (EPA 8270D), Pesticides (EPA 8081), PCBs (EPA 8082) TAL Metals (EPA 6000/7000 series)	
SB-8 (8'-9')	8/10/16 13:50	S	VOCs (EPA 8260C), SVOCs (EPA 8270D), Pesticides (EPA 8081), PCBs (EPA 8082) TAL Metals (EPA 6000/7000 series)	
SB-10 (1'-2')	8/10/16 14:05	S	VOCs (EPA 8260C), SVOCs (EPA 8270D), Pesticides (EPA 8081), PCBs (EPA 8082) TAL Metals (EPA 6000/7000 series)	
SB-10 (8'-9')	8/10/16 14:15	S	VOCs (EPA 8260C), SVOCs (EPA 8270D), Pesticides (EPA 8081), PCBs (EPA 8082) TAL Metals (EPA 6000/7000 series)	
TRIP BLANK			VOCs (EPA 8260C), SVOCs (EPA 8270D), Pesticides (EPA 8081), PCBs (EPA 8082) TAL Metals (EPA 6000/7000 series)	

Comments: *Tw-2 TR means*

Preservation (check all applicable)
 4°C ☒ Frozen ☒ HCl ☒ MeOH ☒ HNO₃ ☒ H₂SO₄ ☒ NaOH ☒
 ZnAc ☒ Ascorbic Acid ☒ Other ☒

Special Instructions
 Field Filtered ☐
 Lab to Filter ☒

Samples Relinquished By *Will Grosser* **Date/Time** *8-11-16 9:00*
Samples Relinquished By *Will Grosser* **Date/Time** *8-11-16 15:00*
Samples Received in LAB by *Will Grosser* **Date/Time** *8-11-16 15:00*

Temperature on Receipt *5.0* °C



Technical Report

prepared for:

AKRF, Inc.
440 Park Avenue South, 7th Floor
New York NY, 10016
Attention: Patrick Diggins

Report Date: 08/16/2016
Client Project ID: 1678 & 1700 Park Avenue
York Project (SDG) No.: 16H0539

CT Cert. No. PH-0723

New Jersey Cert. No. CT-005



New York Cert. No. 10854

PA Cert. No. 68-04440

Report Date: 08/16/2016
Client Project ID: 1678 & 1700 Park Avenue
York Project (SDG) No.: 16H0539

AKRF, Inc.
440 Park Avenue South, 7th Floor
New York NY, 10016
Attention: Patrick Diggins

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on August 11, 2016 and listed below. The project was identified as your project: **1678 & 1700 Park Avenue**.

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 Notes 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 attachment to 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>
16H0539-01	SV-6	Soil Vapor	08/10/2016	08/11/2016
16H0539-02	SV-7	Soil Vapor	08/10/2016	08/11/2016
16H0539-03	AA-1	Outdoor Ambient Ai	08/10/2016	08/11/2016

General Notes for York Project (SDG) No.: 16H0539

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 samples were received in proper condition for analysis with proper documentation, unless otherwise noted.
6. All analyses conducted met method or Laboratory SOP requirements. See the Qualifiers and/or Narrative sections for further information.
7. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
8. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.

Approved By:



Benjamin Gulizia
Laboratory Director

Date: 08/16/2016





Sample Information

Client Sample ID: SV-6

York Sample ID: 16H0539-01

York Project (SDG) No.

16H0539

Client Project ID

1678 & 1700 Park Avenue

Matrix

Soil Vapor

Collection Date/Time

August 10, 2016 3:00 pm

Date Received

08/11/2016

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	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	17	17	24.23	EPA TO-15 Certifications:	08/12/2016 09:14	08/15/2016 16:15	LDS
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	13	13	24.23	EPA TO-15 Certifications:	08/12/2016 09:14	08/15/2016 16:15	LDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	17	17	24.23	EPA TO-15 Certifications:	08/12/2016 09:14	08/15/2016 16:15	LDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	19	19	24.23	EPA TO-15 Certifications:	08/12/2016 09:14	08/15/2016 16:15	LDS
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	13	13	24.23	EPA TO-15 Certifications:	08/12/2016 09:14	08/15/2016 16:15	LDS
75-34-3	1,1-Dichloroethane	ND		ug/m ³	9.8	9.8	24.23	EPA TO-15 Certifications:	08/12/2016 09:14	08/15/2016 16:15	LDS
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	9.6	9.6	24.23	EPA TO-15 Certifications:	08/12/2016 09:14	08/15/2016 16:15	LDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	18	18	24.23	EPA TO-15 Certifications:	08/12/2016 09:14	08/15/2016 16:15	LDS
95-63-6	1,2,4-Trimethylbenzene	52		ug/m ³	12	12	24.23	EPA TO-15 Certifications:	08/12/2016 09:14	08/15/2016 16:15	LDS
106-93-4	1,2-Dibromoethane	ND		ug/m ³	19	19	24.23	EPA TO-15 Certifications:	08/12/2016 09:14	08/15/2016 16:15	LDS
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	15	15	24.23	EPA TO-15 Certifications:	08/12/2016 09:14	08/15/2016 16:15	LDS
107-06-2	1,2-Dichloroethane	ND		ug/m ³	9.8	9.8	24.23	EPA TO-15 Certifications:	08/12/2016 09:14	08/15/2016 16:15	LDS
78-87-5	1,2-Dichloropropane	ND		ug/m ³	11	11	24.23	EPA TO-15 Certifications:	08/12/2016 09:14	08/15/2016 16:15	LDS
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	17	17	24.23	EPA TO-15 Certifications:	08/12/2016 09:14	08/15/2016 16:15	LDS
108-67-8	1,3,5-Trimethylbenzene	15		ug/m ³	12	12	24.23	EPA TO-15 Certifications:	08/12/2016 09:14	08/15/2016 16:15	LDS
106-99-0	1,3-Butadiene	ND		ug/m ³	16	16	24.23	EPA TO-15 Certifications:	08/12/2016 09:14	08/15/2016 16:15	LDS
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	15	15	24.23	EPA TO-15 Certifications:	08/12/2016 09:14	08/15/2016 16:15	LDS
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	11	11	24.23	EPA TO-15 Certifications:	08/12/2016 09:14	08/15/2016 16:15	LDS
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	15	15	24.23	EPA TO-15 Certifications:	08/12/2016 09:14	08/15/2016 16:15	LDS
123-91-1	1,4-Dioxane	ND		ug/m ³	17	17	24.23	EPA TO-15 Certifications:	08/12/2016 09:14	08/15/2016 16:15	LDS
78-93-3	2-Butanone	76		ug/m ³	7.1	7.1	24.23	EPA TO-15 Certifications:	08/12/2016 09:14	08/15/2016 16:15	LDS
591-78-6	* 2-Hexanone	ND		ug/m ³	20	20	24.23	EPA TO-15 Certifications:	08/12/2016 09:14	08/15/2016 16:15	LDS



Sample Information

Client Sample ID: SV-6

York Sample ID: 16H0539-01

York Project (SDG) No.
16H0539

Client Project ID
1678 & 1700 Park Avenue

Matrix
Soil Vapor

Collection Date/Time
August 10, 2016 3:00 pm

Date Received
08/11/2016

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-05-1	3-Chloropropene	ND		ug/m ³	38	38	24.23	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/12/2016 09:14	08/15/2016 16:15	LDS
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	9.9	9.9	24.23	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/12/2016 09:14	08/15/2016 16:15	LDS
67-64-1	Acetone	800		ug/m ³	12	12	24.23	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/12/2016 09:14	08/15/2016 16:15	LDS
107-13-1	Acrylonitrile	ND		ug/m ³	5.3	5.3	24.23	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/12/2016 09:14	08/15/2016 16:15	LDS
71-43-2	Benzene	8.5		ug/m ³	7.7	7.7	24.23	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/12/2016 09:14	08/15/2016 16:15	LDS
100-44-7	Benzyl chloride	ND		ug/m ³	13	13	24.23	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/12/2016 09:14	08/15/2016 16:15	LDS
75-27-4	Bromodichloromethane	ND		ug/m ³	16	16	24.23	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/12/2016 09:14	08/15/2016 16:15	LDS
75-25-2	Bromoform	ND		ug/m ³	25	25	24.23	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/12/2016 09:14	08/15/2016 16:15	LDS
74-83-9	Bromomethane	ND		ug/m ³	9.4	9.4	24.23	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/12/2016 09:14	08/15/2016 16:15	LDS
75-15-0	Carbon disulfide	ND		ug/m ³	7.5	7.5	24.23	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/12/2016 09:14	08/15/2016 16:15	LDS
56-23-5	Carbon tetrachloride	ND		ug/m ³	3.8	3.8	24.23	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/12/2016 09:14	08/15/2016 16:15	LDS
108-90-7	Chlorobenzene	ND		ug/m ³	11	11	24.23	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/12/2016 09:14	08/15/2016 16:15	LDS
75-00-3	Chloroethane	ND		ug/m ³	6.4	6.4	24.23	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/12/2016 09:14	08/15/2016 16:15	LDS
67-66-3	Chloroform	12		ug/m ³	12	12	24.23	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/12/2016 09:14	08/15/2016 16:15	LDS
74-87-3	Chloromethane	ND		ug/m ³	5.0	5.0	24.23	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/12/2016 09:14	08/15/2016 16:15	LDS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	9.6	9.6	24.23	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/12/2016 09:14	08/15/2016 16:15	LDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	11	11	24.23	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/12/2016 09:14	08/15/2016 16:15	LDS
110-82-7	Cyclohexane	ND		ug/m ³	8.3	8.3	24.23	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/12/2016 09:14	08/15/2016 16:15	LDS
124-48-1	Dibromochloromethane	ND		ug/m ³	21	21	24.23	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/12/2016 09:14	08/15/2016 16:15	LDS
75-71-8	Dichlorodifluoromethane	ND		ug/m ³	12	12	24.23	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/12/2016 09:14	08/15/2016 16:15	LDS
141-78-6	* Ethyl acetate	ND		ug/m ³	17	17	24.23	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/12/2016 09:14	08/15/2016 16:15	LDS
100-41-4	Ethyl Benzene	20		ug/m ³	11	11	24.23	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/12/2016 09:14	08/15/2016 16:15	LDS
87-68-3	Hexachlorobutadiene	ND		ug/m ³	26	26	24.23	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/12/2016 09:14	08/15/2016 16:15	LDS



Sample Information

Client Sample ID: SV-6

York Sample ID: 16H0539-01

York Project (SDG) No.

16H0539

Client Project ID

1678 & 1700 Park Avenue

Matrix

Soil Vapor

Collection Date/Time

August 10, 2016 3:00 pm

Date Received

08/11/2016

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-63-0	Isopropanol	ND		ug/m ³	12	12	24.23	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/12/2016 09:14	08/15/2016 16:15	LDS
80-62-6	Methyl Methacrylate	ND		ug/m ³	9.9	9.9	24.23	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/12/2016 09:14	08/15/2016 16:15	LDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	8.7	8.7	24.23	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/12/2016 09:14	08/15/2016 16:15	LDS
75-09-2	Methylene chloride	ND		ug/m ³	17	17	24.23	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/12/2016 09:14	08/15/2016 16:15	LDS
142-82-5	n-Heptane	39		ug/m ³	9.9	9.9	24.23	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/12/2016 09:14	08/15/2016 16:15	LDS
110-54-3	n-Hexane	47		ug/m ³	8.5	8.5	24.23	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/12/2016 09:14	08/15/2016 16:15	LDS
95-47-6	o-Xylene	26		ug/m ³	11	11	24.23	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/12/2016 09:14	08/15/2016 16:15	LDS
179601-23-1	p- & m- Xylenes	80		ug/m ³	21	21	24.23	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/12/2016 09:14	08/15/2016 16:15	LDS
622-96-8	* p-Ethyltoluene	37		ug/m ³	12	12	24.23	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/12/2016 09:14	08/15/2016 16:15	LDS
115-07-1	* Propylene	71		ug/m ³	4.2	4.2	24.23	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/12/2016 09:14	08/15/2016 16:15	LDS
100-42-5	Styrene	ND		ug/m ³	10	10	24.23	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/12/2016 09:14	08/15/2016 16:15	LDS
127-18-4	Tetrachloroethylene	77		ug/m ³	4.1	4.1	24.23	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/12/2016 09:14	08/15/2016 16:15	LDS
109-99-9	* Tetrahydrofuran	ND		ug/m ³	14	14	24.23	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/12/2016 09:14	08/15/2016 16:15	LDS
108-88-3	Toluene	65		ug/m ³	9.1	9.1	24.23	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/12/2016 09:14	08/15/2016 16:15	LDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	9.6	9.6	24.23	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/12/2016 09:14	08/15/2016 16:15	LDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	11	11	24.23	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/12/2016 09:14	08/15/2016 16:15	LDS
79-01-6	Trichloroethylene	ND		ug/m ³	3.3	3.3	24.23	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/12/2016 09:14	08/15/2016 16:15	LDS
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m ³	14	14	24.23	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/12/2016 09:14	08/15/2016 16:15	LDS
108-05-4	Vinyl acetate	ND		ug/m ³	8.5	8.5	24.23	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/12/2016 09:14	08/15/2016 16:15	LDS
593-60-2	Vinyl bromide	ND		ug/m ³	11	11	24.23	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/12/2016 09:14	08/15/2016 16:15	LDS
75-01-4	Vinyl Chloride	ND		ug/m ³	6.2	6.2	24.23	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/12/2016 09:14	08/15/2016 16:15	LDS
Surrogate Recoveries		Result	Acceptance Range								
460-00-4	Surrogate: <i>p</i> -Bromofluorobenzene	102 %	72-118								



Sample Information

Client Sample ID: SV-7

York Sample ID: 16H0539-02

York Project (SDG) No.

16H0539

Client Project ID

1678 & 1700 Park Avenue

Matrix

Soil Vapor

Collection Date/Time

August 10, 2016 3:00 pm

Date Received

08/11/2016

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	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	13	13	19.16	EPA TO-15 Certifications:	08/12/2016 09:14	08/15/2016 17:14	LDS
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	10	10	19.16	EPA TO-15 Certifications:	08/12/2016 09:14 NELAC-NY10854,NJDEP	08/15/2016 17:14	LDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	13	13	19.16	EPA TO-15 Certifications:	08/12/2016 09:14 NELAC-NY10854,NJDEP	08/15/2016 17:14	LDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	15	15	19.16	EPA TO-15 Certifications:	08/12/2016 09:14 NELAC-NY10854,NJDEP	08/15/2016 17:14	LDS
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	10	10	19.16	EPA TO-15 Certifications:	08/12/2016 09:14 NELAC-NY10854,NJDEP	08/15/2016 17:14	LDS
75-34-3	1,1-Dichloroethane	ND		ug/m ³	7.8	7.8	19.16	EPA TO-15 Certifications:	08/12/2016 09:14 NELAC-NY10854,NJDEP	08/15/2016 17:14	LDS
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	7.6	7.6	19.16	EPA TO-15 Certifications:	08/12/2016 09:14 NELAC-NY10854,NJDEP	08/15/2016 17:14	LDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	14	14	19.16	EPA TO-15 Certifications:	08/12/2016 09:14 NELAC-NY10854,NJDEP	08/15/2016 17:14	LDS
95-63-6	1,2,4-Trimethylbenzene	47		ug/m ³	9.4	9.4	19.16	EPA TO-15 Certifications:	08/12/2016 09:14 NELAC-NY10854,NJDEP	08/15/2016 17:14	LDS
106-93-4	1,2-Dibromoethane	ND		ug/m ³	15	15	19.16	EPA TO-15 Certifications:	08/12/2016 09:14 NELAC-NY10854,NJDEP	08/15/2016 17:14	LDS
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	12	12	19.16	EPA TO-15 Certifications:	08/12/2016 09:14 NELAC-NY10854,NJDEP	08/15/2016 17:14	LDS
107-06-2	1,2-Dichloroethane	ND		ug/m ³	7.8	7.8	19.16	EPA TO-15 Certifications:	08/12/2016 09:14 NELAC-NY10854,NJDEP	08/15/2016 17:14	LDS
78-87-5	1,2-Dichloropropane	ND		ug/m ³	8.9	8.9	19.16	EPA TO-15 Certifications:	08/12/2016 09:14 NELAC-NY10854,NJDEP	08/15/2016 17:14	LDS
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	13	13	19.16	EPA TO-15 Certifications:	08/12/2016 09:14 NELAC-NY10854,NJDEP	08/15/2016 17:14	LDS
108-67-8	1,3,5-Trimethylbenzene	14		ug/m ³	9.4	9.4	19.16	EPA TO-15 Certifications:	08/12/2016 09:14 NELAC-NY10854,NJDEP	08/15/2016 17:14	LDS
106-99-0	1,3-Butadiene	ND		ug/m ³	13	13	19.16	EPA TO-15 Certifications:	08/12/2016 09:14 NELAC-NY10854,NJDEP	08/15/2016 17:14	LDS
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	12	12	19.16	EPA TO-15 Certifications:	08/12/2016 09:14 NELAC-NY10854,NJDEP	08/15/2016 17:14	LDS
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	8.9	8.9	19.16	EPA TO-15 Certifications:	08/12/2016 09:14	08/15/2016 17:14	LDS
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	12	12	19.16	EPA TO-15 Certifications:	08/12/2016 09:14 NELAC-NY10854,NJDEP	08/15/2016 17:14	LDS
123-91-1	1,4-Dioxane	ND		ug/m ³	14	14	19.16	EPA TO-15 Certifications:	08/12/2016 09:14 NELAC-NY10854,NJDEP	08/15/2016 17:14	LDS
78-93-3	2-Butanone	59		ug/m ³	5.7	5.7	19.16	EPA TO-15 Certifications:	08/12/2016 09:14 NELAC-NY10854,NJDEP	08/15/2016 17:14	LDS
591-78-6	* 2-Hexanone	ND		ug/m ³	16	16	19.16	EPA TO-15 Certifications:	08/12/2016 09:14	08/15/2016 17:14	LDS
107-05-1	3-Chloropropene	ND		ug/m ³	30	30	19.16	EPA TO-15 Certifications:	08/12/2016 09:14 NELAC-NY10854,NJDEP	08/15/2016 17:14	LDS



Sample Information

Client Sample ID: SV-7

York Sample ID: 16H0539-02

York Project (SDG) No.
16H0539

Client Project ID
1678 & 1700 Park Avenue

Matrix
Soil Vapor

Collection Date/Time
August 10, 2016 3:00 pm

Date Received
08/11/2016

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	7.8	7.8	19.16	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/12/2016 09:14	08/15/2016 17:14	LDS
67-64-1	Acetone	460		ug/m ³	9.1	9.1	19.16	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/12/2016 09:14	08/15/2016 17:14	LDS
107-13-1	Acrylonitrile	ND		ug/m ³	4.2	4.2	19.16	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/12/2016 09:14	08/15/2016 17:14	LDS
71-43-2	Benzene	7.3		ug/m ³	6.1	6.1	19.16	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/12/2016 09:14	08/15/2016 17:14	LDS
100-44-7	Benzyl chloride	ND		ug/m ³	9.9	9.9	19.16	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/12/2016 09:14	08/15/2016 17:14	LDS
75-27-4	Bromodichloromethane	ND		ug/m ³	13	13	19.16	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/12/2016 09:14	08/15/2016 17:14	LDS
75-25-2	Bromoform	ND		ug/m ³	20	20	19.16	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/12/2016 09:14	08/15/2016 17:14	LDS
74-83-9	Bromomethane	ND		ug/m ³	7.4	7.4	19.16	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/12/2016 09:14	08/15/2016 17:14	LDS
75-15-0	Carbon disulfide	ND		ug/m ³	6.0	6.0	19.16	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/12/2016 09:14	08/15/2016 17:14	LDS
56-23-5	Carbon tetrachloride	ND		ug/m ³	3.0	3.0	19.16	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/12/2016 09:14	08/15/2016 17:14	LDS
108-90-7	Chlorobenzene	ND		ug/m ³	8.8	8.8	19.16	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/12/2016 09:14	08/15/2016 17:14	LDS
75-00-3	Chloroethane	ND		ug/m ³	5.1	5.1	19.16	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/12/2016 09:14	08/15/2016 17:14	LDS
67-66-3	Chloroform	43		ug/m ³	9.4	9.4	19.16	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/12/2016 09:14	08/15/2016 17:14	LDS
74-87-3	Chloromethane	ND		ug/m ³	4.0	4.0	19.16	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/12/2016 09:14	08/15/2016 17:14	LDS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	7.6	7.6	19.16	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/12/2016 09:14	08/15/2016 17:14	LDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	8.7	8.7	19.16	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/12/2016 09:14	08/15/2016 17:14	LDS
110-82-7	Cyclohexane	ND		ug/m ³	6.6	6.6	19.16	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/12/2016 09:14	08/15/2016 17:14	LDS
124-48-1	Dibromochloromethane	ND		ug/m ³	16	16	19.16	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/12/2016 09:14	08/15/2016 17:14	LDS
75-71-8	Dichlorodifluoromethane	ND		ug/m ³	9.5	9.5	19.16	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/12/2016 09:14	08/15/2016 17:14	LDS
141-78-6	* Ethyl acetate	ND		ug/m ³	14	14	19.16	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/12/2016 09:14	08/15/2016 17:14	LDS
100-41-4	Ethyl Benzene	15		ug/m ³	8.3	8.3	19.16	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/12/2016 09:14	08/15/2016 17:14	LDS
87-68-3	Hexachlorobutadiene	ND		ug/m ³	20	20	19.16	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/12/2016 09:14	08/15/2016 17:14	LDS
67-63-0	Isopropanol	ND		ug/m ³	9.4	9.4	19.16	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/12/2016 09:14	08/15/2016 17:14	LDS



Sample Information

Client Sample ID: SV-7

York Sample ID: 16H0539-02

York Project (SDG) No.
16H0539

Client Project ID
1678 & 1700 Park Avenue

Matrix
Soil Vapor

Collection Date/Time
August 10, 2016 3:00 pm

Date Received
08/11/2016

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
80-62-6	Methyl Methacrylate	ND		ug/m ³	7.8	7.8	19.16	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/12/2016 09:14	08/15/2016 17:14	LDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	6.9	6.9	19.16	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/12/2016 09:14	08/15/2016 17:14	LDS
75-09-2	Methylene chloride	14		ug/m ³	13	13	19.16	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/12/2016 09:14	08/15/2016 17:14	LDS
142-82-5	n-Heptane	8.6		ug/m ³	7.9	7.9	19.16	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/12/2016 09:14	08/15/2016 17:14	LDS
110-54-3	n-Hexane	21		ug/m ³	6.8	6.8	19.16	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/12/2016 09:14	08/15/2016 17:14	LDS
95-47-6	o-Xylene	22		ug/m ³	8.3	8.3	19.16	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/12/2016 09:14	08/15/2016 17:14	LDS
179601-23-1	p- & m- Xylenes	64		ug/m ³	17	17	19.16	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/12/2016 09:14	08/15/2016 17:14	LDS
622-96-8	* p-Ethyltoluene	32		ug/m ³	9.4	9.4	19.16	EPA TO-15 Certifications:	08/12/2016 09:14	08/15/2016 17:14	LDS
115-07-1	* Propylene	45		ug/m ³	3.3	3.3	19.16	EPA TO-15 Certifications:	08/12/2016 09:14	08/15/2016 17:14	LDS
100-42-5	Styrene	ND		ug/m ³	8.2	8.2	19.16	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/12/2016 09:14	08/15/2016 17:14	LDS
127-18-4	Tetrachloroethylene	420		ug/m ³	3.2	3.2	19.16	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/12/2016 09:14	08/15/2016 17:14	LDS
109-99-9	* Tetrahydrofuran	ND		ug/m ³	11	11	19.16	EPA TO-15 Certifications:	08/12/2016 09:14	08/15/2016 17:14	LDS
108-88-3	Toluene	46		ug/m ³	7.2	7.2	19.16	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/12/2016 09:14	08/15/2016 17:14	LDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	7.6	7.6	19.16	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/12/2016 09:14	08/15/2016 17:14	LDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	8.7	8.7	19.16	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/12/2016 09:14	08/15/2016 17:14	LDS
79-01-6	Trichloroethylene	ND		ug/m ³	2.6	2.6	19.16	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/12/2016 09:14	08/15/2016 17:14	LDS
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m ³	11	11	19.16	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/12/2016 09:14	08/15/2016 17:14	LDS
108-05-4	Vinyl acetate	ND		ug/m ³	6.7	6.7	19.16	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/12/2016 09:14	08/15/2016 17:14	LDS
593-60-2	Vinyl bromide	ND		ug/m ³	8.4	8.4	19.16	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/12/2016 09:14	08/15/2016 17:14	LDS
75-01-4	Vinyl Chloride	ND		ug/m ³	4.9	4.9	19.16	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/12/2016 09:14	08/15/2016 17:14	LDS
Surrogate Recoveries		Result	Acceptance Range								
460-00-4	Surrogate: p-Bromofluorobenzene	103 %	72-118								



Sample Information

Client Sample ID: AA-1

York Sample ID: 16H0539-03

York Project (SDG) No.

16H0539

Client Project ID

1678 & 1700 Park Avenue

Matrix

Outdoor Ambient Air

Collection Date/Time

August 10, 2016 3:00 pm

Date Received

08/11/2016

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	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	0.77	0.77	1.12	EPA TO-15 Certifications:	08/12/2016 09:14	08/15/2016 18:22	LDS
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	0.61	0.61	1.12	EPA TO-15 Certifications:	08/12/2016 09:14	08/15/2016 18:22	LDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	0.77	0.77	1.12	EPA TO-15 Certifications:	08/12/2016 09:14	08/15/2016 18:22	LDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	0.86	0.86	1.12	EPA TO-15 Certifications:	08/12/2016 09:14	08/15/2016 18:22	LDS
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	0.61	0.61	1.12	EPA TO-15 Certifications:	08/12/2016 09:14	08/15/2016 18:22	LDS
75-34-3	1,1-Dichloroethane	ND		ug/m ³	0.45	0.45	1.12	EPA TO-15 Certifications:	08/12/2016 09:14	08/15/2016 18:22	LDS
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.44	0.44	1.12	EPA TO-15 Certifications:	08/12/2016 09:14	08/15/2016 18:22	LDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	0.83	0.83	1.12	EPA TO-15 Certifications:	08/12/2016 09:14	08/15/2016 18:22	LDS
95-63-6	1,2,4-Trimethylbenzene	0.61		ug/m ³	0.55	0.55	1.12	EPA TO-15 Certifications:	08/12/2016 09:14	08/15/2016 18:22	LDS
106-93-4	1,2-Dibromoethane	ND		ug/m ³	0.86	0.86	1.12	EPA TO-15 Certifications:	08/12/2016 09:14	08/15/2016 18:22	LDS
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	0.67	0.67	1.12	EPA TO-15 Certifications:	08/12/2016 09:14	08/15/2016 18:22	LDS
107-06-2	1,2-Dichloroethane	ND		ug/m ³	0.45	0.45	1.12	EPA TO-15 Certifications:	08/12/2016 09:14	08/15/2016 18:22	LDS
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.52	0.52	1.12	EPA TO-15 Certifications:	08/12/2016 09:14	08/15/2016 18:22	LDS
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	0.78	0.78	1.12	EPA TO-15 Certifications:	08/12/2016 09:14	08/15/2016 18:22	LDS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m ³	0.55	0.55	1.12	EPA TO-15 Certifications:	08/12/2016 09:14	08/15/2016 18:22	LDS
106-99-0	1,3-Butadiene	ND		ug/m ³	0.74	0.74	1.12	EPA TO-15 Certifications:	08/12/2016 09:14	08/15/2016 18:22	LDS
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	0.67	0.67	1.12	EPA TO-15 Certifications:	08/12/2016 09:14	08/15/2016 18:22	LDS
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	0.52	0.52	1.12	EPA TO-15 Certifications:	08/12/2016 09:14	08/15/2016 18:22	LDS
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	0.67	0.67	1.12	EPA TO-15 Certifications:	08/12/2016 09:14	08/15/2016 18:22	LDS
123-91-1	1,4-Dioxane	ND		ug/m ³	0.81	0.81	1.12	EPA TO-15 Certifications:	08/12/2016 09:14	08/15/2016 18:22	LDS
78-93-3	2-Butanone	1.6		ug/m ³	0.33	0.33	1.12	EPA TO-15 Certifications:	08/12/2016 09:14	08/15/2016 18:22	LDS
591-78-6	* 2-Hexanone	ND		ug/m ³	0.92	0.92	1.12	EPA TO-15 Certifications:	08/12/2016 09:14	08/15/2016 18:22	LDS
107-05-1	3-Chloropropene	ND		ug/m ³	1.8	1.8	1.12	EPA TO-15 Certifications:	08/12/2016 09:14	08/15/2016 18:22	LDS



Sample Information

Client Sample ID: AA-1

York Sample ID: 16H0539-03

York Project (SDG) No.
16H0539

Client Project ID
1678 & 1700 Park Avenue

Matrix
Outdoor Ambient Air

Collection Date/Time
August 10, 2016 3:00 pm

Date Received
08/11/2016

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	0.46	0.46	1.12	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/12/2016 09:14	08/15/2016 18:22	LDS
67-64-1	Acetone	13		ug/m ³	0.53	0.53	1.12	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/12/2016 09:14	08/15/2016 18:22	LDS
107-13-1	Acrylonitrile	ND		ug/m ³	0.24	0.24	1.12	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/12/2016 09:14	08/15/2016 18:22	LDS
71-43-2	Benzene	0.64		ug/m ³	0.36	0.36	1.12	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/12/2016 09:14	08/15/2016 18:22	LDS
100-44-7	Benzyl chloride	ND		ug/m ³	0.58	0.58	1.12	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/12/2016 09:14	08/15/2016 18:22	LDS
75-27-4	Bromodichloromethane	ND		ug/m ³	0.75	0.75	1.12	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/12/2016 09:14	08/15/2016 18:22	LDS
75-25-2	Bromoform	ND		ug/m ³	1.2	1.2	1.12	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/12/2016 09:14	08/15/2016 18:22	LDS
74-83-9	Bromomethane	ND		ug/m ³	0.43	0.43	1.12	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/12/2016 09:14	08/15/2016 18:22	LDS
75-15-0	Carbon disulfide	ND		ug/m ³	0.35	0.35	1.12	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/12/2016 09:14	08/15/2016 18:22	LDS
56-23-5	Carbon tetrachloride	ND		ug/m ³	0.18	0.18	1.12	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/12/2016 09:14	08/15/2016 18:22	LDS
108-90-7	Chlorobenzene	ND		ug/m ³	0.52	0.52	1.12	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/12/2016 09:14	08/15/2016 18:22	LDS
75-00-3	Chloroethane	ND		ug/m ³	0.30	0.30	1.12	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/12/2016 09:14	08/15/2016 18:22	LDS
67-66-3	Chloroform	ND		ug/m ³	0.55	0.55	1.12	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/12/2016 09:14	08/15/2016 18:22	LDS
74-87-3	Chloromethane	1.4		ug/m ³	0.23	0.23	1.12	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/12/2016 09:14	08/15/2016 18:22	LDS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	0.44	0.44	1.12	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/12/2016 09:14	08/15/2016 18:22	LDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.51	0.51	1.12	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/12/2016 09:14	08/15/2016 18:22	LDS
110-82-7	Cyclohexane	ND		ug/m ³	0.39	0.39	1.12	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/12/2016 09:14	08/15/2016 18:22	LDS
124-48-1	Dibromochloromethane	ND		ug/m ³	0.95	0.95	1.12	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/12/2016 09:14	08/15/2016 18:22	LDS
75-71-8	Dichlorodifluoromethane	1.3		ug/m ³	0.55	0.55	1.12	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/12/2016 09:14	08/15/2016 18:22	LDS
141-78-6	* Ethyl acetate	ND		ug/m ³	0.81	0.81	1.12	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/12/2016 09:14	08/15/2016 18:22	LDS
100-41-4	Ethyl Benzene	0.53		ug/m ³	0.49	0.49	1.12	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/12/2016 09:14	08/15/2016 18:22	LDS
87-68-3	Hexachlorobutadiene	ND		ug/m ³	1.2	1.2	1.12	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/12/2016 09:14	08/15/2016 18:22	LDS
67-63-0	Isopropanol	ND		ug/m ³	0.55	0.55	1.12	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/12/2016 09:14	08/15/2016 18:22	LDS



Sample Information

Client Sample ID: AA-1

York Sample ID: 16H0539-03

York Project (SDG) No.

16H0539

Client Project ID

1678 & 1700 Park Avenue

Matrix

Outdoor Ambient Air

Collection Date/Time

August 10, 2016 3:00 pm

Date Received

08/11/2016

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
80-62-6	Methyl Methacrylate	ND		ug/m ³	0.46	0.46	1.12	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/12/2016 09:14	08/15/2016 18:22	LDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	0.40	0.40	1.12	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/12/2016 09:14	08/15/2016 18:22	LDS
75-09-2	Methylene chloride	1.1		ug/m ³	0.78	0.78	1.12	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/12/2016 09:14	08/15/2016 18:22	LDS
142-82-5	n-Heptane	ND		ug/m ³	0.46	0.46	1.12	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/12/2016 09:14	08/15/2016 18:22	LDS
110-54-3	n-Hexane	0.99		ug/m ³	0.39	0.39	1.12	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/12/2016 09:14	08/15/2016 18:22	LDS
95-47-6	o-Xylene	0.58		ug/m ³	0.49	0.49	1.12	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/12/2016 09:14	08/15/2016 18:22	LDS
179601-23-1	p- & m- Xylenes	1.8		ug/m ³	0.97	0.97	1.12	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/12/2016 09:14	08/15/2016 18:22	LDS
622-96-8	* p-Ethyltoluene	0.61		ug/m ³	0.55	0.55	1.12	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/12/2016 09:14	08/15/2016 18:22	LDS
115-07-1	* Propylene	0.91		ug/m ³	0.19	0.19	1.12	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/12/2016 09:14	08/15/2016 18:22	LDS
100-42-5	Styrene	ND		ug/m ³	0.48	0.48	1.12	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/12/2016 09:14	08/15/2016 18:22	LDS
127-18-4	Tetrachloroethylene	1.6		ug/m ³	0.19	0.19	1.12	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/12/2016 09:14	08/15/2016 18:22	LDS
109-99-9	* Tetrahydrofuran	ND		ug/m ³	0.66	0.66	1.12	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/12/2016 09:14	08/15/2016 18:22	LDS
108-88-3	Toluene	2.7		ug/m ³	0.42	0.42	1.12	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/12/2016 09:14	08/15/2016 18:22	LDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	0.44	0.44	1.12	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/12/2016 09:14	08/15/2016 18:22	LDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.51	0.51	1.12	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/12/2016 09:14	08/15/2016 18:22	LDS
79-01-6	Trichloroethylene	ND		ug/m ³	0.15	0.15	1.12	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/12/2016 09:14	08/15/2016 18:22	LDS
75-69-4	Trichlorofluoromethane (Freon 11)	1.2		ug/m ³	0.63	0.63	1.12	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/12/2016 09:14	08/15/2016 18:22	LDS
108-05-4	Vinyl acetate	ND		ug/m ³	0.39	0.39	1.12	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/12/2016 09:14	08/15/2016 18:22	LDS
593-60-2	Vinyl bromide	ND		ug/m ³	0.49	0.49	1.12	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/12/2016 09:14	08/15/2016 18:22	LDS
75-01-4	Vinyl Chloride	ND		ug/m ³	0.29	0.29	1.12	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	08/12/2016 09:14	08/15/2016 18:22	LDS
Surrogate Recoveries		Result	Acceptance Range								
460-00-4	Surrogate: p-Bromofluorobenzene	105 %	72-118								



Analytical Batch Summary

Batch ID: BH60782

Preparation Method: EPA TO15 PREP

Prepared By: LDS

YORK Sample ID	Client Sample ID	Preparation Date
16H0539-01	SV-6	08/12/16
16H0539-02	SV-7	08/12/16
16H0539-03	AA-1	08/12/16
BH60782-BLK1	Blank	08/12/16
BH60782-BS1	LCS	08/12/16
BH60782-DUP1	Duplicate	08/12/16



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 BH60782 - EPA TO15 PREP

Blank (BH60782-BLK1)

Prepared: 08/12/2016 Analyzed: 08/15/2016

1,1,1,2-Tetrachloroethane	ND	0.69	ug/m ³
1,1,1-Trichloroethane	ND	0.55	"
1,1,2,2-Tetrachloroethane	ND	0.69	"
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.77	"
1,1,2-Trichloroethane	ND	0.55	"
1,1-Dichloroethane	ND	0.40	"
1,1-Dichloroethylene	ND	0.40	"
1,2,4-Trichlorobenzene	ND	0.74	"
1,2,4-Trimethylbenzene	ND	0.49	"
1,2-Dibromoethane	ND	0.77	"
1,2-Dichlorobenzene	ND	0.60	"
1,2-Dichloroethane	ND	0.40	"
1,2-Dichloropropane	ND	0.46	"
1,2-Dichlorotetrafluoroethane	ND	0.70	"
1,3,5-Trimethylbenzene	ND	0.49	"
1,3-Butadiene	ND	0.66	"
1,3-Dichlorobenzene	ND	0.60	"
1,3-Dichloropropane	ND	0.46	"
1,4-Dichlorobenzene	ND	0.60	"
1,4-Dioxane	ND	0.72	"
2-Butanone	ND	0.29	"
2-Hexanone	ND	0.82	"
3-Chloropropene	ND	1.6	"
4-Methyl-2-pentanone	ND	0.41	"
Acetone	ND	0.48	"
Acrylonitrile	ND	0.22	"
Benzene	ND	0.32	"
Benzyl chloride	ND	0.52	"
Bromodichloromethane	ND	0.67	"
Bromoform	ND	1.0	"
Bromomethane	ND	0.39	"
Carbon disulfide	ND	0.31	"
Carbon tetrachloride	ND	0.16	"
Chlorobenzene	ND	0.46	"
Chloroethane	ND	0.26	"
Chloroform	ND	0.49	"
Chloromethane	ND	0.21	"
cis-1,2-Dichloroethylene	ND	0.40	"
cis-1,3-Dichloropropylene	ND	0.45	"
Cyclohexane	ND	0.34	"
Dibromochloromethane	ND	0.85	"
Dichlorodifluoromethane	ND	0.49	"
Ethyl acetate	ND	0.72	"
Ethyl Benzene	ND	0.43	"
Hexachlorobutadiene	ND	1.1	"
Isopropanol	ND	0.49	"
Methyl Methacrylate	ND	0.41	"
Methyl tert-butyl ether (MTBE)	ND	0.36	"
Methylene chloride	ND	0.69	"
n-Heptane	ND	0.41	"
n-Hexane	ND	0.35	"



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 BH60782 - EPA TO15 PREP

Blank (BH60782-BLK1)

Prepared: 08/12/2016 Analyzed: 08/15/2016

o-Xylene	ND	0.43	ug/m ³
p- & m- Xylenes	ND	0.87	"
p-Ethyltoluene	ND	0.49	"
Propylene	ND	0.17	"
Styrene	ND	0.43	"
Tetrachloroethylene	ND	0.17	"
Tetrahydrofuran	ND	0.59	"
Toluene	ND	0.38	"
trans-1,2-Dichloroethylene	ND	0.40	"
trans-1,3-Dichloropropylene	ND	0.45	"
Trichloroethylene	ND	0.13	"
Trichlorofluoromethane (Freon 11)	ND	0.56	"
Vinyl acetate	ND	0.35	"
Vinyl bromide	ND	0.44	"
Vinyl Chloride	ND	0.26	"

Surrogate: p-Bromofluorobenzene 10.0 ppbv 10.0 100 72-118

LCS (BH60782-BS1)

Prepared: 08/12/2016 Analyzed: 08/15/2016

1,1,1,2-Tetrachloroethane	9.93	ppbv	10.0	99.3	82-126	
1,1,1-Trichloroethane	9.17	"	10.0	91.7	70-130	
1,1,2,2-Tetrachloroethane	10.6	"	10.0	106	70-130	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	8.72	"	10.0	87.2	70-130	
1,1,2-Trichloroethane	10.1	"	10.0	101	70-130	
1,1-Dichloroethane	9.40	"	10.0	94.0	70-130	
1,1-Dichloroethylene	8.76	"	10.0	87.6	70-130	
1,2,4-Trichlorobenzene	8.68	"	10.0	86.8	70-130	
1,2,4-Trimethylbenzene	11.5	"	10.0	115	70-130	
1,2-Dibromoethane	10.2	"	10.0	102	70-130	
1,2-Dichlorobenzene	10.5	"	10.0	105	70-130	
1,2-Dichloroethane	9.04	"	10.0	90.4	70-130	
1,2-Dichloropropane	11.0	"	10.0	110	70-130	
1,2-Dichlorotetrafluoroethane	8.87	"	10.0	88.7	70-130	
1,3,5-Trimethylbenzene	11.1	"	10.0	111	70-130	
1,3-Butadiene	9.99	"	10.0	99.9	70-130	
1,3-Dichlorobenzene	10.4	"	10.0	104	70-130	
1,3-Dichloropropane	10.7	"	10.0	107	70-130	
1,4-Dichlorobenzene	10.6	"	10.0	106	70-130	
1,4-Dioxane	12.3	"	10.0	123	70-130	
2-Butanone	10.8	"	10.0	108	70-130	
2-Hexanone	13.5	"	10.0	135	70-130	High Bias
3-Chloropropene	11.4	"	10.0	114	70-130	
4-Methyl-2-pentanone	14.3	"	10.0	143	70-130	High Bias
Acetone	9.01	"	10.0	90.1	70-130	
Acrylonitrile	9.45	"	10.0	94.5	70-130	
Benzene	8.64	"	10.0	86.4	70-130	
Benzyl chloride	6.33	"	10.0	63.3	70-130	Low Bias
Bromodichloromethane	10.6	"	10.0	106	70-130	
Bromoform	10.3	"	10.0	103	70-130	
Bromomethane	8.77	"	10.0	87.7	70-130	
Carbon disulfide	9.48	"	10.0	94.8	70-130	
Carbon tetrachloride	10.0	"	10.0	100	70-130	
Chlorobenzene	10.1	"	10.0	101	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 BH60782 - EPA TO15 PREP

LCS (BH60782-BS1)

Prepared: 08/12/2016 Analyzed: 08/15/2016

Chloroethane	9.69		ppbv	10.0		96.9	70-130				
Chloroform	8.78		"	10.0		87.8	70-130				
Chloromethane	10.6		"	10.0		106	70-130				
cis-1,2-Dichloroethylene	9.63		"	10.0		96.3	70-130				
cis-1,3-Dichloropropylene	12.3		"	10.0		123	70-130				
Cyclohexane	9.50		"	10.0		95.0	70-130				
Dibromochloromethane	10.4		"	10.0		104	70-130				
Dichlorodifluoromethane	9.38		"	10.0		93.8	70-130				
Ethyl acetate	10.1		"	10.0		101	70-130				
Ethyl Benzene	10.7		"	10.0		107	70-130				
Hexachlorobutadiene	10.6		"	10.0		106	70-130				
Isopropanol	9.03		"	10.0		90.3	70-130				
Methyl Methacrylate	11.4		"	10.0		114	70-130				
Methyl tert-butyl ether (MTBE)	9.52		"	10.0		95.2	70-130				
Methylene chloride	9.62		"	10.0		96.2	70-130				
n-Heptane	9.94		"	10.0		99.4	70-130				
n-Hexane	9.50		"	10.0		95.0	70-130				
o-Xylene	11.3		"	10.0		113	70-130				
p- & m- Xylenes	22.4		"	20.0		112	70-130				
p-Ethyltoluene	11.5		"	10.0		115	70-130				
Propylene	8.23		"	10.0		82.3	70-130				
Styrene	11.5		"	10.0		115	70-130				
Tetrachloroethylene	8.77		"	10.0		87.7	70-130				
Tetrahydrofuran	10.5		"	10.0		105	70-130				
Toluene	9.91		"	10.0		99.1	70-130				
trans-1,2-Dichloroethylene	9.41		"	10.0		94.1	70-130				
trans-1,3-Dichloropropylene	9.84		"	10.0		98.4	70-130				
Trichloroethylene	10.0		"	10.0		100	70-130				
Trichlorofluoromethane (Freon 11)	8.85		"	10.0		88.5	70-130				
Vinyl acetate	6.37		"	10.0		63.7	70-130	Low Bias			
Vinyl bromide	8.96		"	10.0		89.6	70-130				
Vinyl Chloride	9.71		"	10.0		97.1	70-130				
Surrogate: p-Bromofluorobenzene	10.2		"	10.0		102	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 BH60782 - EPA TO15 PREP											
Duplicate (BH60782-DUP1)	*Source sample: 16H0539-03 (AA-1)						Prepared: 08/12/2016 Analyzed: 08/15/2016				
1,1,1,2-Tetrachloroethane	ND	0.77	ug/m ³		ND					200	
1,1,1-Trichloroethane	ND	0.61	"		ND					25	
1,1,2,2-Tetrachloroethane	ND	0.77	"		ND					25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.86	"		ND					25	
1,1,2-Trichloroethane	ND	0.61	"		ND					25	
1,1-Dichloroethane	ND	0.45	"		ND					25	
1,1-Dichloroethylene	ND	0.44	"		ND					25	
1,2,4-Trichlorobenzene	ND	0.83	"		ND					25	
1,2,4-Trimethylbenzene	0.66	0.55	"		0.61				8.70	25	
1,2-Dibromoethane	ND	0.86	"		ND					25	
1,2-Dichlorobenzene	ND	0.67	"		ND					25	
1,2-Dichloroethane	ND	0.45	"		ND					25	
1,2-Dichloropropane	ND	0.52	"		ND					25	
1,2-Dichlorotetrafluoroethane	ND	0.78	"		ND					25	
1,3,5-Trimethylbenzene	ND	0.55	"		ND					25	
1,3-Butadiene	ND	0.74	"		ND					25	
1,3-Dichlorobenzene	ND	0.67	"		ND					25	
1,3-Dichloropropane	ND	0.52	"		ND					25	
1,4-Dichlorobenzene	ND	0.67	"		ND					25	
1,4-Dioxane	ND	0.81	"		ND					25	
2-Butanone	1.8	0.33	"		1.6				13.9	25	
2-Hexanone	ND	0.92	"		ND					25	
3-Chloropropene	ND	1.8	"		ND					25	
4-Methyl-2-pentanone	ND	0.46	"		ND					25	
Acetone	15	0.53	"		13				16.6	25	
Acrylonitrile	ND	0.24	"		ND					25	
Benzene	0.68	0.36	"		0.64				5.41	25	
Benzyl chloride	ND	0.58	"		ND					25	
Bromodichloromethane	ND	0.75	"		ND					25	
Bromoform	ND	1.2	"		ND					25	
Bromomethane	ND	0.43	"		ND					25	
Carbon disulfide	ND	0.35	"		ND					25	
Carbon tetrachloride	ND	0.18	"		ND					25	
Chlorobenzene	ND	0.52	"		ND					25	
Chloroethane	ND	0.30	"		ND					25	
Chloroform	ND	0.55	"		ND					25	
Chloromethane	1.5	0.23	"		1.4				7.87	25	
cis-1,2-Dichloroethylene	ND	0.44	"		ND					25	
cis-1,3-Dichloropropylene	ND	0.51	"		ND					25	
Cyclohexane	ND	0.39	"		ND					25	
Dibromochloromethane	ND	0.95	"		ND					25	
Dichlorodifluoromethane	1.4	0.55	"		1.3				8.33	25	
Ethyl acetate	ND	0.81	"		ND					25	
Ethyl Benzene	0.63	0.49	"		0.53				16.7	25	
Hexachlorobutadiene	ND	1.2	"		ND					25	
Isopropanol	ND	0.55	"		ND					25	
Methyl Methacrylate	ND	0.46	"		ND					25	
Methyl tert-butyl ether (MTBE)	ND	0.40	"		ND					25	
Methylene chloride	1.2	0.78	"		1.1				13.8	25	
n-Heptane	ND	0.46	"		ND					25	
n-Hexane	1.4	0.39	"		0.99				36.1	25	Non-dir.



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 BH60782 - EPA TO15 PREP

Duplicate (BH60782-DUP1)		*Source sample: 16H0539-03 (AA-1)				Prepared: 08/12/2016 Analyzed: 08/15/2016					
o-Xylene	0.68	0.49	ug/m ³		0.58				15.4	25	
p- & m- Xylenes	2.0	0.97	"		1.8				13.0	25	
p-Ethyltoluene	0.66	0.55	"		0.61				8.70	25	
Propylene	1.0	0.19	"		0.91				12.0	25	
Styrene	ND	0.48	"		ND					25	
Tetrachloroethylene	1.8	0.19	"		1.6				13.3	25	
Tetrahydrofuran	ND	0.66	"		ND					25	
Toluene	3.1	0.42	"		2.7				14.5	25	
trans-1,2-Dichloroethylene	ND	0.44	"		ND					25	
trans-1,3-Dichloropropylene	ND	0.51	"		ND					25	
Trichloroethylene	ND	0.15	"		ND					25	
Trichlorofluoromethane (Freon 11)	1.3	0.63	"		1.2				10.0	25	
Vinyl acetate	ND	0.39	"		ND					25	
Vinyl bromide	ND	0.49	"		ND					25	
Vinyl Chloride	ND	0.29	"		ND					25	
Surrogate: p-Bromofluorobenzene	11.2		ppbv	10.0		112	72-118				





Notes and Definitions

QR-01	Analyses are not controlled on RPD values from sample concentrations less than 10 times the reporting limit. QC batch accepted based on LCS and/or LCSD QC results.
QL-03	This LCS analyte recovered outside of acceptance limits. The LCS contains approximately 70 compounds, a limited number of which may be outside acceptance windows.
CCV-A	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>30% Difference for average Rf). This applies to detected analytes only.

*	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.

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Field Chain-of-Custody Record - AIR

Page 1 of 1

York Project No. 16H0539

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 unless superseded by written contract.

YOUR Information		Report To:		Invoice To:		YOUR Project ID		Turn-Around Time		Report Type/Deliverables	
Company:	AKRF INC.	Company:	SAFME	Company:	SAFME	1678 & 1700 Park Avenue		☐	RUSH - Same Day	☐	Summary Report
Address:	440 Park Ave. S. 7th Fl.	Address:		Address:				☐	RUSH - Next Day	☐	Summary w/ QA Summary
Phone No.	NEW YORK, NY 10016	Phone No.		Phone No.				☐	RUSH - Two Day	☐	CT RCP Package
Contact Person:	J. Patrick Diggins	Attention:		Attention:				☐	RUSH - Three Day	☐	NY ASP A Package
E-Mail Address:	jdiggins@akrf.com	E-Mail Address:		E-Mail Address:				☐	RUSH - Four Day	☐	NY ASP B/CLP Pkg
								☒	Standard (5-7 Days)	☒	NJDEP Reduced
											Electronic Deliverables:
											EDD (Specify Type)
											Standard Excel
											Regulatory Comparison Excel
Special Instructions											
Detection Limits Required ≤ 1 ug/m ³ NYSDEC VI Limits (VI = vapor intrusion) NJDEP low level Routine Survey Other											
TO15 Volatiles and Other Gas Analyses EPA TO-14A List Tentatively Identified Compounds Air VPH Helium Methane OTHER											
Project Specific List by TO-15 NJDEP Target List CTDEP RCP Target List											
Air Matrix Codes AI - INDOOR Ambient Air AO - OUTDOOR Amb. Air AE - Vapor Extraction Well/ Process Gas/Effluent AS - SOIL Vapor/Sub-Slab											
Samples Collected/Authorized By (Signature) Will Grossett Name (printed)											
Sample Identification		Date Sampled	AIR Matrix	Canister Vacuum Before Sampling (in. Hg)	Canister Vacuum After Sampling (in. Hg)	Choose Analyses Needed from the Menu Above and Enter Below		Sampling Media			
SV-6	8/10/16	AS	-30	-9	EPA TO-15 LIST			6 Liter Summa canister			
SV-7	8/10/16	AS	-28.5	-5	EPA TO-15 LIST			6 Liter Summa canister			
PA-1	8/10/16	AO	-28.25	-3	EPA TO-15 LIST			6 Liter Summa canister			
								6 Liter Summa canister			
								6 Liter Summa canister			
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								6 Liter Summa canister			
								6 Liter Summa canister			
Comments											
Samples Relinquished By: Mary Green 8/11/16 9:00 am Date/Time: 8-11-16 9:00 Samples Received By: Grace 8-11-16 Date/Time: 8-11-16 15:16 Samples Relinquished By: _____ Date/Time: _____ Samples Received in LAB by: _____ Date/Time: _____											