

Job Description: Grossinger, NY

For:

SESI Consulting Engineers

12 A Maple Avenue

Pine Brook, New Jersey 07058



**SUMMARY OF ANALYTICAL RESULTS: 460-166195-1**

Job Description: Grossinger, NY

For:

SESI Consulting Engineers

12 A Maple Avenue

Pine Brook, New Jersey 07058

Client ID	NY NYSDEC	NY 375-6.8(a)	NY 375-6.8(b)	NY 375-6.8(b)	NY 375-6.8(b)	NY 375-6.8(b)	NY 375-6.8(b)	NY 375-6.8(b)	NY 375-6.8(b)	NY CP-51
Lab Sample ID	Recommended	UnRestricted	& CP-51 T-1	& CP-51 T-1	& CP-51 T-1	& CP-51 T-1	& CP-51 T-1	& CP-51 T-1	& CP-51 T-1	Table 2
Sampling Date	Soil Cleanup	Use Soil	Residential	Restricted Residential	Commercial	Industrial	Ecological Resources	Soil Cleanup	Soil Cleanup	Criteria
Matrix	Objective	Cleanup	Soil Cleanup	Soil Cleanup	Soil Cleanup	Soil Cleanup	Soil Cleanup	Soil Cleanup	Soil Cleanup	Criteria
Dilution Factor		Criteria	Criteria	Criteria	Criteria	Criteria	Criteria	Criteria	Criteria	
Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
<b>VOA-8260C-SOIL</b>										
<b>SOIL BY 8260C</b>										
1,1,1,2-Tetrachloroethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	NA	0.68	100	100	500	1000	NA	0.68	NA	NA
1,1,2,2-Tetrachloroethane	NA	NA	35	NA	NA	NA	NA	NA	0.6	NA
1,1,2-Trichloro-1,2,2-trifluoroethane	NA	NA	100	NA	NA	NA	NA	NA	6	NA
1,1,2-Trichloroethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	NA	0.27	19	26	240	480	NA	0.27	NA	NA
1,1-Dichloroethene	NA	0.33	100	100	500	1000	NA	0.33	NA	NA
1,2,3-Trichlorobenzene	NA	NA	NA	NA	NA	NA	NA	20	NA	NA
1,2,4-Trichlorobenzene	NA	NA	NA	NA	NA	NA	NA	20	3.4	NA
1,2-Dibromo-3-Chloropropane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	NA	1.1	100	100	500	1000	NA	1.1	NA	NA
1,2-Dichloroethane	NA	0.02	2.3	3.1	30	60	10	0.02	NA	NA
1,2-Dichloropropane	NA	NA	NA	NA	NA	NA	700	NA	NA	NA
1,3-Dichlorobenzene	NA	2.4	17	49	280	560	NA	2.4	NA	NA
1,4-Dichlorobenzene	NA	1.8	9.8	13	130	250	20	1.8	NA	NA
1,4-Dioxane	NA	0.1	9.8	13	130	250	0.1	0.1	NA	NA
2-Butanone (MEK)	NA	0.12	100	NA	NA	NA	NA	0.3	NA	NA
2-Hexanone	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methyl-2-propanol	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-pentanone (MIBK)	NA	NA	NA	NA	NA	NA	NA	1	NA	NA
Acetone	NA	0.05	100	100	500	1000	2.2	0.05	NA	NA
Benzene	0.06	0.06	2.9	4.8	44	89	70	0.06	0.06	NA
Bromoform	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromomethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon disulfide	NA	NA	100	NA	NA	NA	NA	2.7	NA	NA
Carbon tetrachloride	NA	0.76	1.4	2.4	22	44	NA	0.76	NA	NA
Chlorobenzene	NA	1.1	100	100	500	1000	40	1.1	NA	NA
Chlorobromomethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlorodibromomethane	NA	NA	NA	NA	NA	NA	10	NA	NA	NA
Chloroethane	NA	NA	NA	NA	NA	NA	NA	1.9	NA	NA
Chloroform	NA	0.37	10	49	350	700	12	0.37	NA	NA
Chloromethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	NA	0.25	59	100	500	1000	NA	0.25	NA	NA
cis-1,3-Dichloropropene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyclohexane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobromomethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dichlorodifluoromethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	5.5	1	30	41	390	780	NA	1	1	NA
Ethylene Dibromide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Isopropylbenzene	2.3	NA	100	NA	NA	NA	NA	2.3	2.3	NA
Methyl acetate	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	NA	0.93	62	100	500	1000	NA	0.93	0.93	NA
Methylcyclohexane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methylene Chloride	NA	0.05	51	100	500	1000	12	0.05	NA	NA

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m-Xylene & p-Xylene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	NA	NA	NA	NA	NA	NA	NA	300	NA	NA	NA
Tetrachloroethene	NA	1.3	5.5	19	150	300	2	1.3	NA	NA	NA
Toluene	1.5	0.7	100	100	500	1000	36	0.7	0.7	NA	NA
trans-1,2-Dichloroethene	NA	0.19	100	100	500	1000	NA	0.19	NA	NA	NA
trans-1,3-Dichloropropene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	NA	0.47	10	21	200	400	2	0.47	NA	NA	NA
Trichlorofluoromethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl chloride	NA	0.02	0.21	0.9	13	27	NA	0.02	NA	NA	NA
Total Conc	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Estimated Conc. (TICs)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

\*T There are no TICs reported for the sample

\* : LCS or LCSD is outside acceptance limits.

B : Compound was found in the blank and sample.

J : Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

U : Indicates the analyte was analyzed for but not detected.

Lab Contact:

Grace Chang  
Project Manager II  
(732)593-2579

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NY CP-51	SP-D-Grab			Excavations-Grab			Tanks-1-Grab			Tanks-2-Grab		
Table 3	460-166195-2			460-166195-4			460-166195-6			460-166195-8		
Criteria	10/05/2018 08:22:00			10/05/2018 09:32:00			10/05/2018 11:32:00			10/05/2018 12:12:00		
	Soil			Soil			Soil			Soil		
	1			1			1			50		
mg/kg	mg/kg			mg/kg			mg/kg			mg/kg		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
NA	0.00019	U	0.00019	0.00029	U	0.00029	0.00019	U	0.00019	0.022	U	0.022
NA	0.00024	U	0.00024	0.00035	U	0.00035	0.00024	U	0.00024	0.027	U	0.027
NA	0.00022	U	0.00022	0.00032	U	0.00032	0.00022	U	0.00022	0.019	U	0.019
NA	0.00031	U	0.00031	0.00045	U	0.00045	0.00031	U	0.00031	0.033	U	0.033
NA	0.00018	U	0.00018	0.00027	U	0.00027	0.00018	U	0.00018	0.0078	U	0.0078
NA	0.00021	U	0.00021	0.00031	U	0.00031	0.00021	U	0.00021	0.024	U	0.024
NA	0.00023	U	0.00023	0.00034	U	0.00034	0.00023	U	0.00023	0.033	U	0.033
NA	0.00018	U	0.00018	0.00027	U	0.00027	0.00018	U	0.00018	0.034	U	0.034
NA	0.000093	U	0.000093	0.00014	U	0.00014	0.000093	U	0.000093	0.026	U	0.026
NA	0.00047	U	0.00047	0.00070	U	0.00070	0.00047	U	0.00047	0.023	U	0.023
NA	0.00015	U	0.00015	0.00022	U	0.00022	0.00015	U	0.00015	0.022	U	0.022
NA	0.00030	U	0.00030	0.00045	U	0.00045	0.00030	U	0.00030	0.024	U*	0.024
NA	0.00043	U	0.00043	0.00064	U	0.00064	0.00043	U	0.00043	0.018	U	0.018
NA	0.00016	U	0.00016	0.00024	U	0.00024	0.00016	U	0.00016	0.032	U	0.032
NA	0.00010	U	0.00010	0.00015	U	0.00015	0.00010	U	0.00010	0.081	J	0.032
NA	0.0093	U	0.0093	0.014	U	0.014	0.0093	U	0.0093	0.85	U	0.85
NA	0.0011	U	0.0011	0.0017	U	0.0017	0.0077	U	0.0011	0.22	U	0.22
NA	0.00079	U	0.00079	0.0012	U	0.0012	0.00079	U	0.00079	0.071	U	0.071
NA	0.0033	U	0.0033	0.0050	U	0.0050	0.0034	U	0.0034	0.12	U	0.12
NA	0.00067	U	0.00067	0.0010	U	0.0010	0.00067	U	0.00067	0.062	U	0.062
NA	0.0038	U	0.0038	0.0057	U	0.0057	0.034	U	0.0038	0.10	U	0.10
0.06	0.00026	U	0.00026	0.00039	U	0.00039	0.00026	U	0.00026	0.019	U	0.019
NA	0.00043	U	0.00043	0.00064	U	0.00064	0.00043	U	0.00043	0.018	U	0.018
NA	0.00048	U	0.00048	0.00072	U	0.00072	0.00048	U	0.00048	0.018	U	0.018
NA	0.00027	U	0.00027	0.00040	U	0.00040	0.00027	U	0.00027	0.022	U	0.022
NA	0.00018	U	0.00018	0.00027	U	0.00027	0.00018	U	0.00018	0.032	U*	0.032
NA	0.00018	U	0.00018	0.00027	U	0.00027	0.00018	U	0.00018	0.024	U	0.024
NA	0.00028	U	0.00028	0.00042	U	0.00042	0.00029	U	0.00029	0.029	U	0.029
NA	0.00020	U	0.00020	0.00029	U	0.00029	0.00020	U	0.00020	0.022	U	0.022
NA	0.00053	U	0.00053	0.00079	U	0.00079	0.00053	U	0.00053	0.036	U	0.036
NA	0.00032	U	0.00032	0.00048	U	0.00048	0.00032	U	0.00032	0.022	U	0.022
NA	0.00044	U	0.00044	0.00066	U	0.00066	0.00044	U	0.00044	0.022	U	0.022
NA	0.00015	U	0.00015	0.00023	U	0.00023	0.00015	U	0.00015	0.025	U	0.025
NA	0.00028	U	0.00028	0.00041	U	0.00041	0.00028	U	0.00028	0.016	U	0.016
NA	0.00022	U	0.00022	0.00033	U	0.00033	0.00030	J	0.00022	0.21	U	0.025
NA	0.00026	U	0.00026	0.00039	U	0.00039	0.00026	U	0.00026	0.015	U	0.015
NA	0.00034	U	0.00034	0.00051	U	0.00051	0.00034	U*	0.00034	0.014	U	0.014
1	0.00020	U	0.00020	0.00030	U	0.00030	0.00040	J	0.00020	0.24	U	0.029
NA	0.00018	U	0.00018	0.00027	U	0.00027	0.00018	U	0.00018	0.019	U	0.019
2.3	0.00013	U	0.00013	0.00019	U	0.00019	0.0019	U	0.00013	0.54	U	0.031
NA	0.0044	U	0.0044	0.0065	U	0.0065	0.0044	U	0.0044	0.057	U	0.057
NA	0.00013	U	0.00013	0.00019	U	0.00019	0.00013	U	0.00013	0.013	U	0.013
NA	0.00016	U	0.00016	0.00024	U	0.00024	0.0016	U	0.00016	1.2	U	0.022
NA	0.00017	U	0.00017	0.00026	J B	0.00025	0.00025	J B	0.00017	0.021	U	0.021

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NA	0.00018	U	0.00018	0.00026	U	0.00026	0.00022	J	0.00018	0.24	0.027
NA	0.000096	U	0.000096	0.00014	U	0.00014	0.00013	J	0.000096	0.031	0.031
NA	0.00012	U	0.00012	0.00019	U	0.00019	0.00012	U	0.00012	0.017	0.017
NA	0.00014	U	0.00014	0.00022	U	0.00022	0.00015	U	0.00015	0.035	0.035
0.7	0.00063	U	0.00063	0.00094	U	0.00094	0.00063	U	0.00063	0.024	0.024
NA	0.00025	U	0.00025	0.00037	U	0.00037	0.00025	U	0.00025	0.018	0.018
NA	0.00027	U	0.00027	0.00040	U	0.00040	0.00027	U	0.00027	0.019	0.019
NA	0.00015	U	0.00015	0.00022	U	0.00022	0.00015	U	0.00015	0.022	0.022
NA	0.00041	U	0.00041	0.00061	U	0.00061	0.00041	U	0.00041	0.015	0.015
NA	0.00055	U	0.00055	0.00083	U	0.00083	0.00055	U	0.00055	0.020	0.020
NA	0.0			0.00026			0.0465			2.511	
NA	0.0*T			0.0*T			1.69			53.1	

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**SUMMARY OF ANALYTICAL RESULTS: 460-166195-1**

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Client ID	Tanks-1-Grab			Tanks-2-Grab		
Lab Sample ID	460-166195-6			460-166195-8		
Sampling Date	10/05/2018 11:32:00			10/05/2018 12:12:00		
Matrix	Soil			Soil		
Dilution Factor	1			50		
Unit	mg/kg			mg/kg		
VOA-8260C-SOIL-TIC	Result	Q	RT mm:ss	Result	Q	RT mm:ss
<b>SOIL TICS BY 8260C</b>						
Cyclohexane, (1-methylethyl)-	NR			4.5	J N	08:19
Benzene, 1,2,4-trimethyl-	NR			6.4	J N	10:28
Benzene, 1-ethyl-2,4-dimethyl-	NR			5.0	J N	11:54
Unknown	0.11	J	11:58	NR		
Unknown	0.13	J	12:11	NR		
Benzene, 1-methyl-4-(1-methylpropyl)-	NR			4.9	J N	12:33
Benzene, 1-methyl-2-(1-methylethyl)-	NR			5.9	J N	12:36
Naphthalene, 1,2,3,4-tetrahydro-	NR			4.6	J N	12:40
Unknown	0.31	J	12:47	NR		
Benzene, (2-methyl-1-butenyl)-	NR			7.9	J N	12:50
Unknown	0.13	J	13:05	NR		
Unknown	NR			3.4	J	13:06
Cyclodecane	0.21	J N	13:08	NR		
Unknown alkane	0.19	J	13:13	NR		
Naphthalene, 1,2,3,4-tetrahydro-5-methyl-	NR			6.4	J N	13:18
Unknown	0.15	J	13:34	NR		
Naphthalene, 1-methyl-	NR			4.1	J N	13:41
Naphthalene, 1,2,3,4-tetrahydro-5-methyl-	0.11	J N	13:44	NR		
Hexadecane, 2,6,10,14-tetramethyl-	0.23	J N	14:02	NR		
Naphthalene, 1-methyl-	0.12	J N	14:25	NR		

NR: Not Analyzed

RT mm:ss Retention Time in mm:ss format

J : Indicates an Estimated Value for TICs

N : This flag indicates the presumptive evidence of a compound.

Lab Contact:

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Project Manager II  
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Lab Sample ID	Recommended	UnRestricted	& CP-51 T-1	& CP-51 T-1	& CP-51 T-1	& CP-51 T-1	& CP-51 T-1	& CP-51 T-1	& CP-51 T-1	Table 2
Sampling Date	Soil Cleanup	Use Soil	Residential	Restricted Residential	Commercial	Industrial	Ecological Resources	Soil Cleanup	Soil Cleanup	Criteria
Matrix	Objective	Cleanup	Soil Cleanup	Soil Cleanup	Soil Cleanup	Soil Cleanup	Soil Cleanup	Soil Cleanup	Soil Cleanup	Criteria
Dilution Factor		Criteria	Criteria	Criteria	Criteria	Criteria	Criteria	Criteria	Criteria	Criteria
Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
<b>SVOA-8270D-SOIL</b>										
<b>SOIL BY 8270D</b>										
1,1'-Biphenyl	NA	NA	NA	NA	NA	NA	60	NA	NA	NA
1,2,4,5-Tetrachlorobenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-oxybis[1-chloropropane]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,4,6-Tetrachlorophenol	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	NA	NA	100	NA	NA	NA	4	0.1	NA	NA
2,4,6-Trichlorophenol	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dichlorophenol	NA	NA	100	NA	NA	NA	20	0.4	NA	NA
2,4-Dimethylphenol	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dinitrophenol	NA	NA	100	NA	NA	NA	20	0.2	NA	NA
2,4-Dinitrotoluene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-Dinitrotoluene	NA	NA	1.03	NA	NA	NA	NA	NA	NA	NA
2-Chloronaphthalene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chlorophenol	NA	NA	100	NA	NA	NA	0.8	NA	NA	NA
2-Methylnaphthalene	NA	NA	0.41	NA	NA	NA	NA	36.4	NA	NA
2-Methylphenol	NA	0.33	100	100	500	1000	NA	0.33	NA	NA
2-Nitroaniline	NA	NA	NA	NA	NA	NA	NA	0.4	NA	NA
2-Nitrophenol	NA	NA	NA	NA	NA	NA	7	0.3	NA	NA
3,3'-Dichlorobenzidine	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-Nitroaniline	NA	NA	NA	NA	NA	NA	NA	0.5	NA	NA
4,6-Dinitro-2-methylphenol	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Bromophenyl phenyl ether	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Chloro-3-methylphenol	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Chloroaniline	NA	NA	100	NA	NA	NA	NA	0.22	NA	NA
4-Chlorophenyl phenyl ether	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methylphenol	NA	0.33	34	100	500	1000	NA	0.33	NA	NA
4-Nitroaniline	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitrophenol	NA	NA	NA	NA	NA	NA	7	0.1	NA	NA
Acenaphthene	50.1	20	100	100	500	1000	20	98	NA	NA
Acenaphthylene	50.2	100	100	100	500	1000	NA	107	NA	NA
Acetophenone	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Anthracene	50.0	100	100	100	500	1000	NA	1000	NA	NA
Atrazine	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzaldehyde	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo[a]anthracene	0.224	1	1	1	5.6	11	NA	1	NA	NA
Benzo[a]pyrene	0.061	1	1	1	1	1.1	2.6	22	NA	NA
Benzo[b]fluoranthene	0.220	1	1	1	5.6	11	NA	1.7	NA	NA
Benzo[g,h,i]perylene	50.0	100	100	100	500	1000	NA	1000	NA	NA
Benzo[k]fluoranthene	0.220	0.8	1	3.9	56	110	NA	1.7	NA	NA
Bis(2-chloroethoxy)methane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bis(2-chloroethyl)ether	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bis(2-ethylhexyl) phthalate	NA	NA	50	NA	NA	NA	239	435	NA	NA
Butyl benzyl phthalate	NA	NA	100	NA	NA	NA	NA	122	NA	NA
Caprolactam	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbazole	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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Chrysene	0.4	1	1	3.9	56	110	NA	1	NA
Dibenz(a,h)anthracene	0.0143	0.33	0.33	0.33	0.56	1.1	NA	1000	NA
Dibenzofuran	NA	7	14	59	350	1000	NA	6.2	NA
Diethyl phthalate	NA	NA	100	NA	NA	NA	100	7.1	NA
Dimethyl phthalate	NA	NA	100	NA	NA	NA	200	27	NA
Di-n-butyl phthalate	NA	NA	100	NA	NA	NA	0.014	8.1	NA
Di-n-octyl phthalate	NA	NA	100	NA	NA	NA	NA	120	NA
Fluoranthene	50.0	100	100	100	500	1000	NA	1000	NA
Fluorene	50.0	30	100	100	500	1000	30	386	NA
Hexachlorobenzene	NA	0.33	0.33	1.2	6	12	NA	1.4	NA
Hexachlorobutadiene	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorocyclopentadiene	NA	NA	NA	NA	NA	NA	10	NA	NA
Hexachloroethane	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indeno[1,2,3-cd]pyrene	NA	0.5	0.5	0.5	5.6	11	NA	8.2	NA
Isophorone	NA	NA	100	NA	NA	NA	NA	4.4	NA
Naphthalene	13.0	12	100	100	500	1000	NA	12	12
Nitrobenzene	NA	NA	3.7	15	69	140	NA	0.17	NA
N-Nitrosodi-n-propylamine	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-Nitrosodiphenylamine	NA	NA	NA	NA	NA	NA	20	NA	NA
Pentachlorophenol	NA	0.8	2.4	6.7	6.7	55	0.8	0.8	NA
Phenanthrene	50.0	100	100	100	500	1000	NA	1000	NA
Phenol	NA	0.33	100	100	500	1000	30	0.33	NA
Pyrene	50.0	100	100	100	500	1000	NA	1000	NA
Total Conc	NA	NA	NA	NA	NA	NA	NA	NA	NA

Highlighted Concentrations shown in bold type face exceed limits

\* : LCS or LCSD is outside acceptance limits.

J : Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

U : Indicates the analyte was analyzed for but not detected.

Lab Contact:

Grace Chang  
Project Manager II  
(732)593-2579

Job Description: Grossinger, NY

For:

SESI Consulting Engineers

12 A Maple Avenue

Pine Brook, New Jersey 07058

NY CP-51	SP-D-Comp			Excavations-Comp			Tanks-1-Comp			Tanks-2-Comp		
Table 3	460-166195-1			460-166195-3			460-166195-5			460-166195-7		
Criteria	10/05/2018 08:20:00			10/05/2018 09:30:00			10/05/2018 11:30:00			10/05/2018 12:10:00		
	Soil			Soil			Soil			Soil		
	1			1			1			1		
mg/kg	mg/kg			mg/kg			mg/kg			mg/kg		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
NA	0.0049	U	0.0049	0.0054	U	0.0054	0.079	J	0.0050	0.30	J	0.0064
NA	0.0049	U	0.0049	0.0053	U	0.0053	0.0050	U	0.0050	0.0063	U	0.0063
NA	0.0067	U	0.0067	0.0073	U	0.0073	0.0068	U	0.0068	0.0087	U	0.0087
NA	0.025	U	0.025	0.027	U	0.027	0.026	U	0.026	0.033	U	0.033
NA	0.012	U	0.012	0.013	U	0.013	0.012	U	0.012	0.016	U	0.016
NA	0.019	U	0.019	0.020	U	0.020	0.019	U	0.019	0.024	U	0.024
NA	0.0079	U	0.0079	0.0085	U	0.0085	0.0080	U	0.0080	0.010	U	0.010
NA	0.016	U	0.016	0.018	U	0.018	0.017	U	0.017	0.021	U	0.021
NA	0.18	U	0.18	0.20	U	0.20	0.19	U	0.19	0.24	U	0.24
NA	0.019	U	0.019	0.020	U	0.020	0.019	U	0.019	0.024	U	0.024
NA	0.012	U	0.012	0.013	U	0.013	0.012	U	0.012	0.016	U	0.016
NA	0.017	U	0.017	0.019	U	0.019	0.018	U	0.018	0.022	U	0.022
NA	0.0052	U	0.0052	0.0057	U	0.0057	0.0053	U	0.0053	0.0067	U	0.0067
NA	0.0046	U	0.0046	0.027	J	0.0050	0.014	J	0.0047	1.4		0.0060
NA	0.0060	U	0.0060	0.0065	U	0.0065	0.0061	U	0.0061	0.0077	U	0.0077
NA	0.014	U	0.014	0.015	U	0.015	0.014	U	0.014	0.018	U	0.018
NA	0.012	U	0.012	0.013	U	0.013	0.012	U	0.012	0.015	U	0.015
NA	0.056	U	0.056	0.061	U	0.061	0.057	U	0.057	0.072	U	0.072
NA	0.020	U	0.020	0.022	U	0.022	0.021	U	0.021	0.026	U	0.026
NA	0.060	U	0.060	0.066	U	0.066	0.061	U	0.061	0.078	U	0.078
NA	0.0048	U	0.0048	0.0052	U	0.0052	0.0049	U	0.0049	0.0062	U	0.0062
NA	0.0062	U	0.0062	0.0067	U	0.0067	0.0063	U	0.0063	0.0080	U	0.0080
NA	0.026	U	0.026	0.028	U	0.028	0.026	U	0.026	0.034	U	0.034
NA	0.0059	U	0.0059	0.0064	U	0.0064	0.0060	U	0.0060	0.0076	U	0.0076
NA	0.0063	U	0.0063	0.0069	U	0.0069	0.0064	U	0.0064	0.0082	U	0.0082
NA	0.014	U	0.014	0.015	U	0.015	0.014	U	0.014	0.018	U	0.018
NA	0.061	U	0.061	0.066	U	0.066	0.062	U	0.062	0.078	U	0.078
20	0.027	U	0.027	0.18	J	0.029	0.028	U	0.028	0.035	U	0.035
100	0.041	J	0.0038	0.052	J	0.0042	0.0039	U	0.0039	0.0050	U	0.0050
NA	0.016	J	0.0060	0.0065	U	0.0065	0.0061	U	0.0061	0.0077	U	0.0077
100	0.028	J	0.0042	0.59		0.0045	0.0042	U	0.0042	0.094	J	0.0054
NA	0.0094	U	0.0094	0.010	U	0.010	0.0096	U	0.0096	0.012	U	0.012
NA	0.016	U	0.016	0.018	U	0.018	0.017	U	0.017	0.021	U	0.021
1	0.22		0.013	1.1		0.014	0.013	U	0.013	0.17		0.017
1	0.30		0.0099	0.96		0.011	0.010	U	0.010	0.17		0.013
1	0.37		0.0096	1.2		0.010	0.0098	U	0.0098	0.24		0.012
100	0.20	J	0.011	0.52		0.012	0.011	U	0.011	0.12	J	0.014
0.8	0.13		0.0073	0.49		0.0079	0.0074	U	0.0074	0.0094	U	0.0094
NA	0.013	U	0.013	0.014	U	0.014	0.013	U	0.013	0.016	U	0.016
NA	0.0045	U	0.0045	0.0049	U	0.0049	0.0046	U	0.0046	0.0058	U	0.0058
NA	0.020	U	0.020	0.021	U	0.021	0.020	U	0.020	0.025	U	0.025
NA	0.017	U	0.017	0.019	U	0.019	0.018	U	0.018	0.023	U	0.023
NA	0.022	U	0.022	0.024	U	0.024	0.023	U	0.023	0.029	U	0.029
NA	0.0044	U	0.0044	0.16	J	0.0047	0.028	J	0.0044	0.043	J	0.0056



Job Description: Grossinger, NY

For:

SESI Consulting Engineers

1	0.21	J	0.0063	1.1	0.0068	0.0064	U	0.0064	0.26	J	0.0081	
0.33	0.039		0.016	0.18	*	0.017	0.016	U *	0.021	U *	0.021	
NA	0.0052	U	0.0052	0.11	J	0.0057	0.038	J	0.0053	0.0067	U	0.0067
NA	0.0054	U	0.0054	0.0059	U	0.0059	0.0055	U	0.0055	0.0070	U	0.0070
NA	0.0045	U	0.0045	0.0049	U	0.0049	0.0046	U	0.0046	0.0058	U	0.0058
NA	0.066	U	0.066	0.071	U	0.071	0.067	U	0.067	0.085	U	0.085
NA	0.020	U	0.020	0.021	U	0.021	0.020	U	0.020	0.025	U	0.025
100	0.27	J	0.0048	2.3	0.0052	0.026	J	0.0049	0.44	J	0.0062	
30	0.0050	U	0.0050	0.24	J	0.0055	0.0051	U	0.0051	0.32	J	0.0065
NA	0.0055	U	0.0055	0.0059	U	0.0059	0.0055	U	0.0055	0.0070	U	0.0070
NA	0.0079	U	0.0079	0.0086	U	0.0086	0.0081	U	0.0081	0.010	U	0.010
NA	0.033	U *	0.033	0.035	U	0.035	0.033	U	0.033	0.042	U	0.042
NA	0.0057	U	0.0057	0.0062	U	0.0062	0.0058	U	0.0058	0.0074	U	0.0074
0.5	0.23		0.015	0.59	*	0.016	0.015	U *	0.015	0.13	*	0.019
NA	0.0098	U	0.0098	0.011	U	0.011	0.010	U	0.010	0.013	U	0.013
12	0.0064	U	0.0064	0.019	J	0.0070	0.0065	U	0.0065	0.35	J	0.0083
NA	0.0089	U	0.0089	0.0097	U	0.0097	0.0091	U	0.0091	0.012	U	0.012
NA	0.0059	U	0.0059	0.0064	U	0.0064	0.0060	U	0.0060	0.0076	U	0.0076
NA	0.0071	U	0.0071	0.0077	U	0.0077	0.0072	U	0.0072	0.0092	U	0.0092
NA	0.076	U	0.076	0.13	J	0.083	0.078	U	0.078	0.098	U	0.098
100	0.064	J	0.0065	1.7	0.0071	0.18	J	0.0067	0.99		0.0084	
NA	0.0055	U	0.0055	0.0060	U	0.0060	0.0056	U	0.0056	0.0071	U	0.0071
100	0.27	J	0.0093	1.9	0.010	0.034	J	0.0094	0.48		0.012	
NA	2.388			13.548		0.399			5.507			

Job Description: Grossinger, NY

For:

SESI Consulting Engineers

12 A Maple Avenue

Pine Brook, New Jersey 07058



**SUMMARY OF ANALYTICAL RESULTS: 460-166195-1**

Job Description: Grossinger, NY

For:

SESI Consulting Engineers

12 A Maple Avenue

Pine Brook, New Jersey 07058

Client ID	NY NYSDEC	NY 375-6.8(a)	NY 375-6.8(b)	NY 375-6.8(b)	NY 375-6.8(b)	NY 375-6.8(b)	NY 375-6.8(b)	NY 375-6.8(b)	NY 375-6.8(b)	NY CP-51
Lab Sample ID	Recommended	UnRestricted	& CP-51 T-1	& CP-51 T-1	& CP-51 T-1	& CP-51 T-1	& CP-51 T-1	& CP-51 T-1	& CP-51 T-1	Table 2
Sampling Date	Soil Cleanup	Use Soil	Residential	Restricted Residential	Commercial	Industrial	Ecological Resources	Soil Cleanup	Soil Cleanup	Criteria
Matrix	Objective	Cleanup	Soil Cleanup	Soil Cleanup	Soil Cleanup	Soil Cleanup	Soil Cleanup	Soil Cleanup	Soil Cleanup	Criteria
Dilution Factor		Criteria	Criteria	Criteria	Criteria	Criteria	Criteria	Criteria	Criteria	Criteria
Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
GCSVOA-8081B-SOIL										
SOIL BY 8081B										
4,4'-DDD	NA	0.0033	2.6	13	92	180	0.0033	14	NA	NA
4,4'-DDE	NA	0.0033	1.8	8.9	62	120	0.0033	17	NA	NA
4,4'-DDT	NA	0.0033	1.7	7.9	47	94	0.0033	136	NA	NA
Aldrin	NA	0.005	0.019	0.097	0.68	1.4	0.14	0.19	NA	NA
alpha-BHC	NA	0.02	0.097	0.48	3.4	6.8	0.04	0.02	NA	NA
beta-BHC	NA	0.036	0.072	0.36	3	14	0.6	0.09	NA	NA
Chlordane (technical)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
delta-BHC	NA	0.04	100	100	500	1000	0.04	0.25	NA	NA
Dieldrin	NA	0.005	0.039	0.2	1.4	2.8	0.006	0.1	NA	NA
Endosulfan I	NA	2.4	4.8	24	200	920	NA	102	NA	NA
Endosulfan II	NA	2.4	4.8	24	200	920	NA	102	NA	NA
Endosulfan sulfate	NA	2.4	4.8	24	200	920	NA	1000	NA	NA
Endrin	NA	0.014	2.2	11	89	410	0.014	0.06	NA	NA
Endrin aldehyde	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endrin ketone	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
gamma-BHC (Lindane)	NA	0.1	0.28	1.3	9.2	23	6	0.1	NA	NA
Heptachlor	NA	0.042	0.42	2.1	15	29	0.14	0.38	NA	NA
Heptachlor epoxide	NA	NA	0.077	NA	NA	NA	NA	0.02	NA	NA
Methoxychlor	NA	NA	100	NA	NA	NA	1.2	900	NA	NA
Toxaphene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Highlighted Concentrations shown in bold type face exceed limits

F1 : MS and/or MSD Recovery is outside acceptance limits.

J : Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

U : Indicates the analyte was analyzed for but not detected.

Lab Contact:

Grace Chang  
Project Manager II  
(732)593-2579

Job Description: Grossinger, NY

For:

SESI Consulting Engineers

12 A Maple Avenue

Pine Brook, New Jersey 07058

NY CP-51	SP-D-Comp			Excavations-Comp			Tanks-1-Comp			Tanks-2-Comp		
Table 3	460-166195-1			460-166195-3			460-166195-5			460-166195-7		
Criteria	10/05/2018 08:20:00			10/05/2018 09:30:00			10/05/2018 11:30:00			10/05/2018 12:10:00		
	Soil			Soil			Soil			Soil		
	1			1			1			1		
mg/kg	mg/kg			mg/kg			mg/kg			mg/kg		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
NA	0.0013	U	0.0013	0.0014	U	0.0014	0.0013	U	0.0013	0.0017	J F1	0.0017
NA	0.00089	J F1	0.00089	0.00097	U	0.00097	0.00090	U	0.00090	0.015	F1	0.0011
NA	0.0014	U	0.0014	0.0064	J	0.0015	0.0014	U	0.0014	0.0065	J F1	0.0018
NA	0.0011	U	0.0011	0.0012	U	0.0012	0.0012	U	0.0012	0.0015	J F1	0.0015
NA	0.00077	U	0.00077	0.00083	U	0.00083	0.00078	U	0.00078	0.00099	J F1	0.00099
NA	0.00084	U	0.00084	0.00092	U	0.00092	0.00086	U	0.00086	0.0011	J F1	0.0011
NA	0.018	U	0.018	0.020	U	0.020	0.019	U	0.019	0.18		0.023
NA	0.00046	U	0.00046	0.00050	U	0.00050	0.00047	U	0.00047	0.00059	J F1	0.00059
NA	0.00098	U	0.00098	0.0011	U	0.0011	0.00099	U	0.00099	0.0013	J F1	0.0013
NA	0.0011	U	0.0011	0.0012	U	0.0012	0.0012	U	0.0012	0.0015	J F1	0.0015
NA	0.0019	U	0.0019	0.0021	U	0.0021	0.0020	U	0.0020	0.0025	J F1	0.0025
NA	0.00095	U	0.00095	0.0010	U	0.0010	0.00096	U	0.00096	0.0012	J F1	0.0012
NA	0.0011	U	0.0011	0.0012	U	0.0012	0.0011	U	0.0011	0.0014	J F1	0.0014
NA	0.0018	U	0.0018	0.0019	U	0.0019	0.0018	U	0.0018	0.0023	J F1	0.0023
NA	0.0015	U	0.0015	0.0016	U	0.0016	0.0015	U	0.0015	0.0019	J F1	0.0019
NA	0.00070	U	0.00070	0.00076	U	0.00076	0.00071	U	0.00071	0.00090	J F1	0.00090
NA	0.00089	U	0.00089	0.00097	U	0.00097	0.00090	U	0.00090	0.0011	J F1	0.0011
NA	0.0011	U	0.0011	0.0012	U	0.0012	0.0011	U	0.0011	0.0058	J F1	0.0014
NA	0.0017	U	0.0017	0.0019	U	0.0019	0.0017	U	0.0017	0.0022	J F1	0.0022
NA	0.027	U	0.027	0.030	U	0.030	0.028	U	0.028	0.035	U	0.035

Job Description: Grossinger, NY

For:

SESI Consulting Engineers

12 A Maple Avenue

Pine Brook, New Jersey 07058



**SUMMARY OF ANALYTICAL RESULTS: 460-166195-1**

Job Description: Grossinger, NY

For:

SESI Consulting Engineers

12 A Maple Avenue

Pine Brook, New Jersey 07058

Client ID	NY NYSDEC	NY 375-6.8(a)	NY 375-6.8(b)	NY 375-6.8(b)	NY 375-6.8(b)	NY 375-6.8(b)	NY 375-6.8(b)	NY 375-6.8(b)	NY 375-6.8(b)	NY CP-51
Lab Sample ID	Recommended	UnRestricted	& CP-51 T-1	& CP-51 T-1	& CP-51 T-1	& CP-51 T-1	& CP-51 T-1	& CP-51 T-1	& CP-51 T-1	Table 2
Sampling Date	Soil Cleanup	Use Soil	Residential	Restricted Residential	Commercial	Industrial	Ecological Resources	GW	Criteria	Criteria
Matrix	Objective	Cleanup	Soil Cleanup	Soil Cleanup	Soil Cleanup	Soil Cleanup	Soil Cleanup	Soil Cleanup	Soil Cleanup	Soil Cleanup
Dilution Factor		Criteria	Criteria	Criteria	Criteria	Criteria	Criteria	Criteria	Criteria	Criteria
Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
GCSVOA-8082A-SOIL										
SOIL BY 8082A										
Aroclor 1016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1221	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1232	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1242	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1248	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1254	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1260	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1268	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1262	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs	NA	0.1	1	1	1	25	1	3.2	NA	NA

U : Indicates the analyte was analyzed for but not detected.

Lab Contact:

Grace Chang  
Project Manager II  
(732)593-2579

Job Description: Grossinger, NY

For:

SESI Consulting Engineers

12 A Maple Avenue

Pine Brook, New Jersey 07058

NY CP-51	SP-D-Comp			Excavations-Comp			Tanks-1-Comp			Tanks-2-Comp		
Table 3	460-166195-1			460-166195-3			460-166195-5			460-166195-7		
Criteria	10/05/2018 08:20:00			10/05/2018 09:30:00			10/05/2018 11:30:00			10/05/2018 12:10:00		
	Soil			Soil			Soil			Soil		
	1			1			1			1		
mg/kg	mg/kg			mg/kg			mg/kg			mg/kg		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
NA	0.010	U	0.010	0.011	U	0.011	0.010	U	0.010	0.013	U	0.013
NA	0.010	U	0.010	0.011	U	0.011	0.010	U	0.010	0.013	U	0.013
NA	0.010	U	0.010	0.011	U	0.011	0.010	U	0.010	0.013	U	0.013
NA	0.010	U	0.010	0.011	U	0.011	0.010	U	0.010	0.013	U	0.013
NA	0.010	U	0.010	0.011	U	0.011	0.010	U	0.010	0.013	U	0.013
NA	0.010	U	0.010	0.011	U	0.011	0.011	U	0.011	0.013	U	0.013
NA	0.010	U	0.010	0.011	U	0.011	0.011	U	0.011	0.013	U	0.013
NA	0.010	U	0.010	0.011	U	0.011	0.011	U	0.011	0.013	U	0.013
NA	0.010	U	0.010	0.011	U	0.011	0.011	U	0.011	0.013	U	0.013
NA	0.010	U	0.010	0.011	U	0.011	0.011	U	0.011	0.013	U	0.013

Job Description: Grossinger, NY

For:

SESI Consulting Engineers

12 A Maple Avenue

Pine Brook, New Jersey 07058



**SUMMARY OF ANALYTICAL RESULTS: 460-166195-1**

**Job Description: Grossinger, NY**

**For:**

**SESI Consulting Engineers**

**12 A Maple Avenue**

**Pine Brook, New Jersey 07058**

Client ID	NY NYSDEC	NY 375-6.8(a)	NY 375-6.8(b)	NY 375-6.8(b)	NY 375-6.8(b)	NY 375-6.8(b)	NY 375-6.8(b)	NY 375-6.8(b)	NY CP-51
Lab Sample ID	Recommended	UnRestricted	& CP-51 T-1	& CP-51 T-1	& CP-51 T-1	& CP-51 T-1	& CP-51 T-1	& CP-51 T-1	Table 2
Sampling Date	Soil Cleanup	Use Soil	Residential	Restricted Residential	Commercial	Industrial	Ecological Resources	GW	Criteria
Matrix	Objective	Cleanup	Soil Cleanup	Soil Cleanup	Soil Cleanup	Soil Cleanup	Soil Cleanup	Soil Cleanup	
Dilution Factor		Criteria	Criteria	Criteria	Criteria	Criteria	Criteria	Criteria	
Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
GCSVOA-NJDEP EPH-SOIL									
SOIL BY NJDEP EPH									
Total EPH (C9-C40)	NA	NA	NA	NA	NA	NA	NA	NA	NA

D : Sample results are obtained from a dilution; the surrogate or matrix spike recoveries reported are calculated from diluted samples.

Lab Contact:

Grace Chang  
Project Manager II  
(732)593-2579

Job Description: Grossinger, NY

For:

SESI Consulting Engineers

12 A Maple Avenue

Pine Brook, New Jersey 07058

NY CP-51	SP-D-Comp			Excavations-Comp			Tanks-1-Comp			Tanks-2-Comp		
Table 3	460-166195-1			460-166195-3			460-166195-5			460-166195-7		
Criteria	10/05/2018 08:20:00			10/05/2018 09:30:00			10/05/2018 11:30:00			10/05/2018 12:10:00		
	Soil			Soil			Soil			Soil		
	1			10			1			5		
mg/kg	mg/kg			mg/kg			mg/kg			mg/kg		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
NA	69		2.2	1200	D	24	230		2.3	1300	D	14

Job Description: Grossinger, NY

For:

SESI Consulting Engineers

12 A Maple Avenue

Pine Brook, New Jersey 07058



**SUMMARY OF ANALYTICAL RESULTS: 460-166195-1**

Job Description: Grossinger, NY

For:

SESI Consulting Engineers

12 A Maple Avenue

Pine Brook, New Jersey 07058

Client ID	NY NYSDEC	NY 375-6.8(a)	NY 375-6.8(b)	NY 375-6.8(b)	NY 375-6.8(b)	NY 375-6.8(b)	NY 375-6.8(b)	NY 375-6.8(b)	NY 375-6.8(b)	NY CP-51
Lab Sample ID	Recommended	UnRestricted	& CP-51 T-1	& CP-51 T-1	& CP-51 T-1	& CP-51 T-1	& CP-51 T-1	& CP-51 T-1	& CP-51 T-1	Table 2
Sampling Date	Soil Cleanup	Use Soil	Residential	Restricted Residential	Commercial	Industrial	Ecological Resources	Soil Cleanup	Soil Cleanup	Criteria
Matrix	Objective	Cleanup	Soil Cleanup	Soil Cleanup	Soil Cleanup	Soil Cleanup	Soil Cleanup	Soil Cleanup	Soil Cleanup	Criteria
Unit		Criteria	Criteria	Criteria	Criteria	Criteria	Criteria	Criteria	Criteria	Criteria
<b>METALS-SOIL</b>										
<b>SOIL BY 6010D(MG/KG)</b>										
Aluminum	NA	NA	NA	NA	NA	NA	10000	NA	NA	NA
Antimony	NA	NA	NA	NA	NA	NA	12	NA	NA	NA
Arsenic	NA	13	NA	16	16	16	13	16	NA	NA
Barium	NA	350	350	400	400	10000	433	820	NA	NA
Beryllium	NA	7.2	14	72	590	2700	10	47	NA	NA
Cadmium	NA	2.5	2.5	4.3	9.3	60	4	7.5	NA	NA
Calcium	NA	NA	NA	NA	NA	NA	10000	NA	NA	NA
Chromium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NA	NA	30	NA	NA	NA	20	NA	NA	NA
Copper	NA	50	270	270	270	10000	50	1720	NA	NA
Iron	NA	NA	2000	NA	NA	NA	NA	NA	NA	NA
Lead	NA	63	400	400	1000	3900	63	450	NA	NA
Magnesium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	NA	1600	2000	2000	10000	10000	1600	2000	NA	NA
Nickel	NA	30	140	310	310	10000	30	130	NA	NA
Potassium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	NA	3.9	36	180	1500	6800	3.9	4	NA	NA
Silver	NA	2	36	180	1500	6800	2	8.3	NA	NA
Sodium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	NA	NA	NA	NA	NA	NA	5	NA	NA	NA
Vanadium	NA	NA	100	NA	NA	NA	39	NA	NA	NA
Zinc	NA	109	2200	10000	10000	10000	109	2480	NA	NA
<b>SOIL BY 7471B(MG/KG)</b>										
Mercury	NA	0.18	0.81	0.81	2.8	5.7	0.18	0.73	NA	NA

Highlighted Concentrations shown in bold type face exceed limits

J : Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

U : Indicates the analyte was analyzed for but not detected.

Lab Contact:

Grace Chang  
Project Manager II  
(732)593-2579



Job Description: Grossinger, NY

For:

SESI Consulting Engineers

12 A Maple Avenue

Pine Brook, New Jersey 07058

NY CP-51	SP-D-Comp			Excavations-Comp			Tanks-1-Comp			Tanks-2-Comp		
Table 3	460-166195-1			460-166195-3			460-166195-5			460-166195-7		
Criteria	10/05/2018 08:20:00			10/05/2018 09:30:00			10/05/2018 11:30:00			10/05/2018 12:10:00		
	Soil			Soil			Soil			Soil		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
NA	6650		9.3	5310		10.3	5320		9.7	6980		13.6
NA	0.74	U	0.74	1.5	J	0.82	0.77	U	0.77	1.1	U	1.1
NA	2.5		0.74	4.7		0.83	2.3	J	0.77	4.6		1.1
NA	41.6		1.8	42.3		2.0	43.3		1.9	49.8		2.7
NA	0.38		0.073	0.47		0.081	0.42		0.076	0.35	J	0.11
NA	0.11	U	0.11	0.17	J	0.12	0.12	U	0.12	0.20	J	0.16
NA	1400		48.4	793	J	53.8	501	J	50.3	1000	J	70.7
NA	7.9		0.29	9.2		0.32	5.9		0.30	7.6		0.43
NA	6.8	J	1.0	4.4	J	1.1	7.1	J	1.1	5.8	J	1.5
NA	7.3		2.2	<b>296</b>		2.4	10.9		2.3	14.5		3.2
NA	<b>13900</b>		12.1	<b>11100</b>		13.4	<b>13400</b>		12.6	<b>13100</b>		17.6
NA	25.1		0.43	<b>257</b>		0.48	15.8		0.45	41.5		0.63
NA	2690		47.9	1420		53.2	2120		49.8	1930		70.0
NA	415		0.29	300		0.32	370		0.30	358		0.42
NA	14.1		0.60	9.0		0.67	11.9		0.63	19.2		0.88
NA	680	J	51.1	489	J	56.8	643	J	53.2	644	J	74.7
NA	2.0	U	2.0	2.2	U	2.2	2.0	U	2.0	2.9	U	2.9
NA	0.16	U	0.16	0.39	J	0.17	0.16	U	0.16	0.23	U	0.23
NA	66.1	U	66.1	73.4	U	73.4	68.7	U	68.7	96.5	U	96.5
NA	0.52	U	0.52	0.58	U	0.58	0.55	U	0.55	0.77	U	0.77
NA	8.9		0.55	13.0		0.61	6.3	J	0.57	<b>42.7</b>		0.80
NA	50.5		3.8	<b>149</b>		4.3	47.9		4.0	109		5.6
NA	0.050		0.011	0.066		0.011	0.035		0.011	0.11		0.014

Job Description: Grossinger, NY

For:

SESI Consulting Engineers

12 A Maple Avenue

Pine Brook, New Jersey 07058



**SUMMARY OF ANALYTICAL RESULTS: 460-166195-1**

**Job Description: Grossinger, NY**

**For:**

**SESI Consulting Engineers**

**12 A Maple Avenue**

**Pine Brook, New Jersey 07058**

Client ID	NY NYSDEC	NY 375-6.8(a)	NY 375-6.8(b)	NY 375-6.8(b)	NY 375-6.8(b)	NY 375-6.8(b)	NY 375-6.8(b)	NY 375-6.8(b)	NY 375-6.8(b)	NY CP-51
Lab Sample ID	Recommended	UnRestricted	& CP-51 T-1	& CP-51 T-1	& CP-51 T-1	& CP-51 T-1	& CP-51 T-1	& CP-51 T-1	& CP-51 T-1	Table 2
Sampling Date	Soil Cleanup	Use Soil	Residential	Restricted Residential	Commercial	Industrial	Ecological Resources	GW	Criteria	Criteria
Matrix	Objective	Cleanup	Soil Cleanup	Soil Cleanup	Soil Cleanup	Soil Cleanup	Soil Cleanup	Soil Cleanup	Soil Cleanup	Soil Cleanup
		Criteria	Criteria	Criteria	Criteria	Criteria	Criteria	Criteria	Criteria	Criteria
<b>WETCHEM-SOIL</b>										
<b>SOIL BY 9012B</b>										
Cyanide, Total (mg/kg)	NA	27	NA	NA	NA	NA	NA	NA	NA	NA

F1 : MS and/or MSD Recovery is outside acceptance limits.

U : Indicates the analyte was analyzed for but not detected.

Lab Contact:

Grace Chang  
Project Manager II  
(732)593-2579

Job Description: Grossinger, NY

For:

SESI Consulting Engineers

12 A Maple Avenue

Pine Brook, New Jersey 07058

NY CP-51	SP-D-Comp			Excavations-Comp			Tanks-1-Comp			Tanks-2-Comp		
Table 3	460-166195-1			460-166195-3			460-166195-5			460-166195-7		
Criteria	10/05/2018 08:20:00			10/05/2018 09:30:00			10/05/2018 11:30:00			10/05/2018 12:10:00		
	Soil			Soil			Soil			Soil		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
NA	0.074	U	0.074	0.077	U	0.077	0.072	J F1	0.072	0.092	U	0.092

Work Order 8101046  
 Lab: Aqua Pro-Tech Laboratories

Client: Sesi Consulting Engineers - Grossingers  
 CAS# Compound Type

NY Soil Clean-up Objectives						
NY Soil Clean-up, Unrestricted Use	NY Soil Clean-up, Residential	NY Soil Clean-up, Restricted Residential	NY Soil Clean-up, Commercial	NY Soil Clean-up, Industrial	NY Soil Clean-up, Protection of Ecological Resources	NY Soil Clean-up, Protection of Groundwater

8101046-01  
 SP-Tank\_1\_G  
 10/24/2018 11:10

8101046-02  
 SP-Tank\_1\_C  
 10/24/2018 11:10

8101046-03  
 WC-Tank\_2\_G  
 10/24/2018 11:15

8101046-04  
 WC-Tank\_2\_C  
 10/24/2018 11:15

Extractable Petroleum Hydrocarbons Category 2 (mg/kg)									Result	Qualifier	MDL	RL	Result	Qualifier	MDL	RL	
NJDEP-EPH2 Total EPH									214			11.7	23.4	2290		11.8	23.6
General Chemistry (mg/kg)									Result	Qualifier		RL	Result	Qualifier		RL	
57-12-5	Cyanide	TRG	27	27	27	27	10000	40	0.292	U		0.292	0.295	U		0.295	
General Chemistry (%)									Result	Qualifier			Result	Qualifier			
PERSOL	Percent Solids	TRG								85.8				87.6			
PCBs (mg/kg)									Result	Qualifier	MDL	RL	Result	Qualifier	MDL	RL	
12674-11-2	Aroclor-1016	TRG								0.000687	U	0.000687	0.0386	0.000694	U	0.000694	0.039
11104-28-2	Aroclor-1221	TRG								0.00119	U	0.00119	0.0386	0.0012	U	0.0012	0.039
11141-16-5	Aroclor-1232	TRG								0.000908	U	0.000908	0.0386	0.000917	U	0.000917	0.039
53469-21-9	Aroclor-1242	TRG								0.00131	U	0.00131	0.0386	0.00132	U	0.00132	0.039
12672-29-6	Aroclor-1248	TRG								0.000905	U	0.000905	0.0386	0.000914	U	0.000914	0.039
11097-69-1	Aroclor-1254	TRG								0.00138	U	0.00138	0.0386	0.00139	U	0.00139	0.039
11096-82-5	Aroclor-1260	TRG								0.00102	U	0.00102	0.0386	0.00103	U	0.00103	0.039
37324-23-5	Aroclor-1262	TRG								0.00149	U	0.00149	0.0386	0.0015	U	0.0015	0.039
11100-14-4	Aroclor-1268	TRG								0.00078	U	0.00078	0.0386	0.000787	U	0.000787	0.039
1336-36-3	Total PCBs	TRG	0.1	1	1	1	25	1	3.2	0.000687	U	0.000687	0.0386	0.000694	U	0.000694	0.039
Pesticides (mg/kg)									Result	Qualifier	MDL	RL	Result	Qualifier	MDL	RL	
72-54-8	4,4'-DDD	TRG	0.0033	2.6	13	92	180	0.0033	14	0.00092	U	0.00092	0.00152	0.000929	U	0.00153	
72-55-9	4,4'-DDE	TRG	0.0033	1.8	8.9	62	120	0.0033	17	0.00678				0.00109	U	0.00153	
72-55-9	4,4'-DDE [2C]	TRG	0.0033	1.8	8.9	62	120	0.0033	17	0.0113		0.000712	0.00152				
50-29-3	4,4'-DDT	TRG	0.0033	1.7	7.9	47	94	0.0033	136	0.000729	U	0.000729	0.00152	0.000737	U	0.00153	
309-00-2	Aldrin	TRG	0.005	0.019	0.097	0.68	1.4	0.14	0.19	0.000943	U	0.000943	0.00152	0.000953	U	0.00153	
319-84-6	alpha-BHC	TRG	0.02	0.097	0.48	3.4	6.8	0.04	0.02	0.000588	U	0.000588	0.00152	0.000594	U	0.00153	
319-85-7	beta-BHC	TRG	0.036	0.072	0.36	3	14	0.6	0.09	0.0015	U	0.0015	0.00152	0.00151	U	0.00153	
57-74-9	Chlordane	TRG	0.094	0.91	4.2	24	47	1.3	2.9	0.0339			0.00102	0.00152	0.0259	U	
319-86-8	delta-BHC	TRG	0.036	100	100	500	1000	0.04	0.25					0.00119	U	0.00153	
319-86-8	delta-BHC [2C]	TRG	0.036	100	100	500	1000	0.04	0.25	0.00753		0.000833	0.00152				
60-57-1	Dieldrin	TRG	0.005	0.039	0.2	1.4	2.8	0.006	0.1	0.000818	U	0.000818	0.00152	0.000826	U	0.00153	
959-98-8	Endosulfan I	TRG	2.4	4.8	24	200	920		102	0.00105	U	0.00105	0.00152	0.00106	U	0.00153	
33213-65-9	Endosulfan II	TRG	2.4	4.8	24	200	920		102	0.000826	U	0.000826	0.00152	0.000835	U	0.00153	
1031-07-8	Endosulfan sulfate	TRG	2.4	4.8	24	200	920		1000	0.000826	U	0.000826	0.00152	0.000835	U	0.00153	
72-20-8	Endrin	TRG	0.014	2.2	11	89	410	0.014	0.38	0.00078	U	0.00078	0.00152	0.000787	U	0.00153	
7421-93-4	Endrin aldehyde	TRG								0.000649	U	0.000649	0.00152	0.000655	U	0.00153	
53494-70-5	Endrin ketone	TRG								0.000927	U	0.000927	0.00152	0.000936	U	0.00153	
58-89-9	gamma-BHC (Lindane)	TRG	0.1	0.28	1.3	9.2	23	6	0.1	0.000694	U	0.000694	0.00152	0.000701	U	0.00153	
76-44-8	Heptachlor	TRG	0.042	0.42	2.1	15	29	0.14	0.38	0.000888	U	0.000888	0.00152	0.000897	U	0.00153	
1024-57-3	Heptachlor Epoxide	TRG								0.00095	U	0.00095	0.00152	0.00096	U	0.00153	
72-43-5	Methoxychlor	TRG								0.000967	U	0.000967	0.00152	0.000976	U	0.00153	
8001-35-2	Toxaphene	TRG								0.0236	U	0.0236	0.0772	0.0238	U	0.0779	
Semivolatile Organics - GC/MS (mg/kg)									Result	Qualifier	MDL	RL	Result	Qualifier	MDL	RL	
90-12-0	1-Methylnaphthalene	TRG								0.262		0.0373	0.234	0.212	J	0.0377	0.236
58-90-2	2,3,4,6-Tetrachlorophenol	TRG								0.024	U	0.024	0.155	0.0242	U	0.0242	0.157
95-95-4	2,4,5-Trichlorophenol	TRG								0.0212	U	0.0212	0.155	0.0214	U	0.0214	0.157
88-06-2	2,4,6-Trichlorophenol	TRG								0.00974	U	0.00974	0.155	0.00983	U	0.00983	0.157
120-83-2	2,4-Dichlorophenol	TRG								0.0157	U	0.0157	0.155	0.0158	U	0.0158	0.157
105-67-9	2,4-Dimethylphenol	TRG								0.0153	U	0.0153	0.155	0.0155	U	0.0155	0.157
51-28-5	2,4-Dinitrophenol	TRG								0.0224	U	0.0224	0.78	0.0227	U	0.0227	0.787
121-14-2	2,4-Dinitrotoluene	TRG								0.0166	U	0.0166	0.155	0.0168	U	0.0168	0.157
606-20-2	2,6-Dinitrotoluene	TRG								0.0372	U	0.0372	0.155	0.0375	U	0.0375	0.157
91-58-7	2-Chloronaphthalene	TRG								0.0179	U	0.0179	0.155	0.0181	U	0.0181	0.157
95-57-8	2-Chlorophenol	TRG								0.0206	U	0.0206	0.155	0.0208	U	0.0208	0.157
91-57-6	2-Methylnaphthalene	TRG								0.347		0.0373	0.234	0.211	J	0.0377	0.236
95-48-7	2-Methylphenol	TRG	0.33	100	100	500	1000		0.33	0.0307	U	0.0307	0.155	0.0311	U	0.0311	0.157
88-74-4	2-Nitroaniline	TRG								0.0125	U	0.0125	0.155	0.0126	U	0.0126	0.157
88-75-5	2-Nitrophenol	TRG								0.0173	U	0.0173	0.155	0.0175	U	0.0175	0.157
91-94-1	3,3'-Dichlorobenzidine	TRG								0.0164	U	0.0164	0.155	0.0165	U	0.0165	0.157
106-44-5	3+4-Methylphenol	TRG	0.33	34	100	500	1000		0.33	0.0285	U	0.0285	0.155	0.0288	U	0.0288	0.157
99-09-2	3-Nitroaniline	TRG								0.0289	U	0.0289	0.155	0.0292	U	0.0292	0.157
534-52-1	4,6-Dinitro-2-methylphenol	TRG								0.0293	U	0.0293	0.389	0.0296	U	0.0296	0.393
101-55-3	4-Bromophenyl-phenyl ether	TRG								0.0222	U	0.0222	0.155	0.0224	U	0.0224	0.157
59-50-7	4-Chloro-3-methylphenol	TRG								0.0245	U	0.0245	0.155	0.0248	U	0.0248	0.157
106-47-8	4-Chloroaniline	TRG								0.00545	U	0.00545	0.155	0.0055	U	0.0055	0.157
7005-72-3	4-Chlorophenyl phenyl ether	TRG								0.0084	U	0.0084	0.155	0.00849	U	0.00849	0.157
100-01-6	4-Nitroaniline	TRG								0.0779	U	0.0779	0.155	0.0786	U	0.0786	0.157
100-02-7	4-Nitrophenol	TRG								0.00996	U	0.00996	0.155	0.0101	U	0.0101	0.157
83-32-9	Acenaphthene	TRG	20	100	100	500	1000	20	98	0.00887	U	0.00887	0.155	0.00896	U	0.00896	0.157
208-96-8	Acenaphthylene	TRG	100	100	100	500	1000		107	0.00541	U	0.00541	0.155	0.00547	U	0.00547	0.157
98-86-2	Acetophenone	TRG								0.0154	U	0.0154	0.155	0.0156	U	0.0156	0.157
120-12-7	Anthracene	TRG	100	100	100	500	1000		1000	0.0226	U	0.0226	0.155	0.0228	U	0.0228	0.157
1912-24-9	Atrazine	TRG								0.0146	U	0.0146	0.155	0.0148	U	0.0148	0.157
100-52-7	Benzaldehyde	TRG								0.0478	U	0.0478	0.155	0.0483	U	0.0483	0.157

Work Order 8101046  
 Lab: Aqua Pro-Tech Laboratories

Client: Sesi Consulting Engineers - Grossingers

CAS#	Compound	Type	NY Soil Clean-up Objectives						
			NY Soil Clean-up, Unrestricted Use	NY Soil Clean-up, Residential	NY Soil Clean-up, Residential	NY Soil Clean-up, Commercial	NY Soil Clean-up, Industrial	NY Soil Clean-up, Protection of Ecological Resources	NY Soil Clean-up, Protection of Groundwater
56-55-3	Benzo(a)anthracene	TRG	1	1	1	5.6	11		1
50-32-8	Benzo(a)pyrene	TRG	1	1	1	1	1.1	2.6	22
205-99-2	Benzo(b)fluoranthene	TRG	1	1	1	5.6	11		1.7
191-24-2	Benzo(g,h,i)perylene	TRG	100	100	100	500	1000		1000
207-08-9	Benzo(k)fluoranthene	TRG	0.8	1	3.9	56	110		1.7
92-52-4	Biphenyl	TRG							
111-91-1	bis(2-chloroethoxy)methane	TRG							
111-44-4	bis(2-chloroethyl)ether	TRG							
108-60-1	bis(2-chloroisopropyl)ether	TRG							
117-81-7	bis(2-ethylhexyl)phthalate	TRG							
85-68-7	Butylbenzylphthalate	TRG							
105-60-2	Caprolactam	TRG							
86-74-8	Carbazole	TRG							
218-01-9	Chrysene	TRG	1	1	3.9	56	110		1
53-70-3	Dibenzo(a,h)anthracene	TRG	0.33	0.33	0.33	0.56	1.1		1000
132-64-9	Dibenzofuran	TRG	7	14	59	350	1000		210
84-66-2	Diethylphthalate	TRG							
131-11-3	Dimethylphthalate	TRG							
84-74-2	Di-n-butylphthalate	TRG							
117-84-0	Di-n-octylphthalate	TRG							
206-44-0	Fluoranthene	TRG	100	100	100	500	1000		1000
86-73-7	Fluorene	TRG	30	100	100	500	1000	30	386
118-74-1	Hexachlorobenzene	TRG	0.33	0.33	1.2	6	12		3.2
87-68-3	Hexachlorobutadiene	TRG							
77-47-4	Hexachlorocyclopentadiene	TRG							
67-72-1	Hexachloroethane	TRG							
193-39-5	Indeno(1,2,3-cd)pyrene	TRG	0.5	0.5	0.5	5.6	11		8.2
78-59-1	Isophorone	TRG							
91-20-3	Naphthalene	TRG	12	100	100	500	1000		12
98-95-3	Nitrobenzene	TRG							
621-64-7	n-Nitroso-di-n-propylamine	TRG							
86-30-6	n-Nitrosodiphenylamine	TRG							
85-01-8	Phenanthrene	TRG	100	100	100	500	1000		1000
108-95-2	Phenol	TRG	0.33	100	100	500	1000	30	0.33
129-00-0	Pyrene	TRG	100	100	100	500	1000		1000
080655-44-3	Decahydro-pentamethylnaphthal-isomer	TIC							
080655-44-3	Decahydro-pentamethylnaphthal-isomer	TIC							
080655-44-3	Decahydro-pentamethylnaphthal-isomer	TIC							
1000149-58-9	Decane, -tetramethyl-isomer	TIC							
062108-25-2	Decane, -trimethyl-isomer	TIC							
006044-71-9	Dodecane, -methyl-isomer	TIC							
054105-67-8	Heptadecane, -dimethyl-isomer	TIC							
000638-36-8	Hexadecane, -tetramethyl-isomer	TIC							
000581-40-8	Naphthalene, -dimethyl-isomer	TIC							
000582-16-1	Naphthalene, -dimethyl-isomer (01)	TIC							
000581-40-8	Naphthalene, -dimethyl-isomer (02)	TIC							
000581-42-0	Naphthalene, -dimethyl-isomer (03)	TIC							
000829-26-5	Naphthalene, -trimethyl-isomer	TIC							
001560-88-9	Octadecane, -methyl-isomer	TIC							
002051-30-1	Octane, -dimethyl-isomer	TIC							
001921-70-6	Pentadecane, -tetramethyl-isomer	TIC							
003892-00-0	Pentadecane, -trimethyl-isomer	TIC							
026730-14-3	Tridecane, -methyl-isomer	TIC							
017301-23-4	Undecane, -dimethyl-isomer	TIC							
	unknown	TIC							
	unknown (01)	TIC							
	unknown (02)	TIC							
	unknown (03)	TIC							
NA	Tentatively Identified Compounds	TIC Total							
<b>Total Metals (mg/kg)</b>									
7429-90-5	Aluminum	TRG							
7440-36-0	Antimony	TRG							
7440-38-2	Arsenic	TRG	13	16	16	16	16	13	16
7440-39-3	Barium	TRG	350	350	400	400	10000	433	820
7440-41-7	Beryllium	TRG	7.2	14	72	590	2700	10	47
7440-43-9	Cadmium	TRG	2.5	2.5	4.3	9.3	60	4	7.5
7440-70-2	Calcium	TRG							
7440-47-3	Chromium	TRG	30	36	180	1,500	6,800	41	
7440-48-4	Cobalt	TRG							
7440-50-8	Copper	TRG	50	270	270	270	10000	50	1720

8101046-01  
 SP-Tank\_1\_G  
 10/24/2018 11:10

8101046-02		
SP-Tank_1_C 10/24/2018 11:10		
Result	Qualifier	RL
0.0157	U	0.155
0.0464	J	0.155
0.0530	J	0.155
0.0126	U	0.155
0.0179	U	0.155
0.0787	J	0.155
0.0215	U	0.155
0.0171	U	0.155
0.056	U	0.155
0.100	J	0.155
0.0141	U	0.155
0.0201	U	0.155
0.0299	U	0.389
0.0546	J	0.155
0.0154	U	0.155
0.00927	U	0.155
0.0302	U	0.155
0.00966	U	0.155
0.0636	U	0.155
0.0319	U	0.155
0.0736	J	0.155
0.013	U	0.155
0.0203	U	0.155
0.0747	U	0.155
0.0649	U	0.389
0.0171	U	0.155
0.0167	U	0.155
0.0102	U	0.155
0.0611	J	0.155
0.0264	U	0.155
0.00833	U	0.155
0.0332	U	0.155
0.157	J	0.155
0.0126	U	0.155
0.0996	J	0.155
0.772	J	
0.435	J	
0.409	J	
0.489	J	
0.341	J	
0.323	J	
1.14	J	
0.828	J	
2.22	J	
0.837	J	
0.321	J	
8.11	J	
7230		2.82
1.41	U	1.41
3.67		1.41
44.6		0.565
0.344		0.0282
0.282	U	0.282
6130		28.2
9.18		0.282
5.93		0.226
14.3		0.282

8101046-03  
 WC-Tank\_2\_G  
 10/24/2018 11:15

8101046-04		
WC-Tank_2_C 10/24/2018 11:15		
Result	Qualifier	RL
0.0158	U	0.158
0.0761	J	0.157
0.0221	U	0.157
0.0128	U	0.157
0.0181	U	0.157
0.0138	U	0.157
0.0217	U	0.157
0.0172	U	0.157
0.0566	U	0.157
0.0314	U	0.157
0.0143	U	0.157
0.0203	U	0.157
0.0302	U	0.393
0.0108	U	0.157
0.0156	U	0.157
0.00936	U	0.157
0.0305	U	0.157
0.00975	U	0.157
0.0642	U	0.157
0.0322	U	0.157
0.0733	J	0.157
0.0131	U	0.157
0.0205	U	0.157
0.0754	U	0.157
0.0655	U	0.393
0.0172	U	0.157
0.0169	U	0.157
0.0103	U	0.157
0.0499	J	0.157
0.0267	U	0.157
0.00842	U	0.157
0.0335	U	0.157
0.171	J	0.157
0.0128	U	0.157
0.227	J	0.157
1.97	J	
3.85	J	
3.65	J	
0.565	J	
0.769	J	
5.82	J	
3.50	J	
1.06	J	
0.671	J	
1.43	J	
1.95	J	
1.36	J	
0.659	J	
1.49	J	
2.12	J	
30.9	J	
6450		3.07
1.54	U	1.54
2.67		1.54
44.3		0.615
0.295		0.0307
0.307	U	0.307
2830		30.7
7.23		0.307
4.86		0.246
19.7		0.307



Work Order 8101046  
 Lab: Aqua Pro-Tech Laboratories

Client: Sesi Consulting Engineers - Grossingers

CAS#	Compound	Type
000824-90-8	1-Phenyl-1-butene (02)	TIC
053172-84-2	Benzene, (1-methyl-1-butenyl)-	TIC
005676-32-4	Benzene, (1-methylenebutyl)-	TIC
000527-53-7	Benzene, 1,2,3,5-tetramethyl- (01)	TIC
000527-53-7	Benzene, 1,2,3,5-tetramethyl- (02)	TIC
001758-88-9	Benzene, 2-ethyl-1,4-dimethyl-	TIC
000119-64-2	Naphthalene, 1,2,3,4-tetrahydro-	TIC
001680-51-9	Naphthalene, 1,2,3,4-tetrahydro-6-methyl-	TIC
000090-12-0	Naphthalene, 1-methyl-	TIC
	unknown (01)	TIC
	unknown (02)	TIC
	unknown (03)	TIC
	unknown (04)	TIC
	unknown (05)	TIC
	unknown hydrocarbon	TIC
	unknown hydrocarbon (01)	TIC
	unknown hydrocarbon (02)	TIC
NA	Tentatively Identified Compounds	TIC Total

NY Soil Clean-up Objectives						
NY Soil Clean-up, Unrestricted Use	NY Soil Clean-up, Residential	NY Soil Clean-up, Restricted Residential	NY Soil Clean-up, Commercial	NY Soil Clean-up, Industrial	NY Soil Clean-up, Protection of Ecological Resources	NY Soil Clean-up, Protection of Groundwater

8101046-01	8101046-02	8101046-03	8101046-04
SP-Tank_1_G 10/24/2018 11:10	SP-Tank_1_C 10/24/2018 11:10	WC-Tank_2_G 10/24/2018 11:15	WC-Tank_2_C 10/24/2018 11:15
0.0463	J		
0.0210	J		
0.0280	J		
0.0269	J		
0.0206	J		
0.0192	J		
0.0396	J		
0.0274	J		
0.0657	J		
0.0163	J	0.00497	J
0.0271	J	0.00458	J
		0.00653	J
		0.00737	J
		0.00460	J
0.0309	J	0.00587	J
		0.00696	J
0.413	J	0.0542	J

**Qualifiers:**  
 U - Indicates compound analyzed for but not detected  
 J - Indicates estimated value for TICs and all results when detected below the RL  
 D - Indicates result is based on a dilution  
 E - Concentration exceeds highest calibration standard  
 B - Indicates compound found in associated blank  
 H - Indicates a Hold Time violation  
 P - Indicates a Greater than 25% diff. between 2 GC columns.

**Key:**

	Reporting Limit exceeds Reg Standard
	Value Exceeded One or More of the Criteria
	Detected in Sample
	E Qualified, may require Dilution

Foot Notes:

Work Order 8101182

Lab: Aqua Pro-Tech Laboratories

NY Water Clean-up Objectives

8101182-01

Client: Sesi Consulting Engineers - GROSSINGERS

NYSDEC 703.6 Ground Water  
NYSDEC TOGs, Class GA

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CAS#	Compound	Type			Result	Qualifier	MDL	RL
<b>General Chemistry (ug/L)-ADJ</b>								
57-12-5	Cyanide	TRG-ADJ			10	U		10
<b>PCBs (ug/L)</b>					Result	Qualifier	MDL	RL
12674-11-2	Aroclor-1016	TRG	0.09	0.09	0.0158	U	0.0158	0.521
11104-28-2	Aroclor-1221	TRG	0.09	0.09	0.0161	U	0.0161	0.521
11141-16-5	Aroclor-1232	TRG	0.09	0.09	0.0141	U	0.0141	0.521
53469-21-9	Aroclor-1242	TRG	0.09	0.09	0.0141	U	0.0141	0.521
12672-29-6	Aroclor-1248	TRG	0.09	0.09	0.0105	U	0.0105	0.521
11097-69-1	Aroclor-1254	TRG	0.09	0.09	0.0189	U	0.0189	0.521
11096-82-5	Aroclor-1260	TRG	0.09	0.09	0.0163	U	0.0163	0.521
37324-23-5	Aroclor-1262	TRG	0.09	0.09	0.0181	U	0.0181	0.521
11100-14-4	Aroclor-1268	TRG	0.09	0.09	0.0151	U	0.0151	0.521
<b>Pesticides (ug/L)</b>					Result	Qualifier	MDL	RL
72-54-8	4,4'-DDD	TRG	0.3	0.3	0.00104	U	0.00104	0.0208
72-55-9	4,4'-DDE	TRG	0.2	0.2	0.00208	U	0.00208	0.0208
50-29-3	4,4'-DDT	TRG	0.2	0.2	0.00104	U	0.00104	0.0208
309-00-2	Aldrin	TRG			0.00208	U	0.00208	0.0208
319-84-6	alpha-BHC	TRG		0.01	0.00208	U	0.00208	0.0208
319-85-7	beta-BHC	TRG		0.04	0.00208	U	0.00208	0.0208
57-74-9	Chlordane	TRG	0.05	0.05	0.0365	U	0.0365	0.0521
319-86-8	delta-BHC	TRG		0.04	0.00208	U	0.00208	0.0208
60-57-1	Dieldrin	TRG	0.004	0.004	0.00208	U	0.00208	0.0208
959-98-8	Endosulfan I	TRG			0.00208	U	0.00208	0.0208
33213-65-9	Endosulfan II	TRG			0.00208	U	0.00208	0.0208
1031-07-8	Endosulfan sulfate	TRG			0.00208	U	0.00208	0.0208
72-20-8	Endrin	TRG			0.00208	U	0.00208	0.0208
7421-93-4	Endrin aldehyde	TRG		5	0.00104	U	0.00104	0.0208
53494-70-5	Endrin ketone	TRG		5	0.00208	U	0.00208	0.0208
58-89-9	gamma-BHC (Lindane)	TRG		0.05	0.00104	U	0.00104	0.0208
76-44-8	Heptachlor	TRG	0.04	0.04	0.00104	U	0.00104	0.0208
1024-57-3	Heptachlor Epoxide	TRG	0.03	0.03	0.00104	U	0.00104	0.0208
72-43-5	Methoxychlor	TRG	35	35	0.00208	U	0.00208	0.0208
8001-35-2	Toxaphene	TRG	0.06	0.06	0.0833	U	0.0833	0.208
<b>Semivolatile Organics - GC/MS (ug/L)</b>					Result	Qualifier	MDL	RL
90-12-0	1-Methylnaphthalene	TRG			0.111	U	0.111	3
58-90-2	2,3,4,6-Tetrachlorophenol	TRG	2	2	0.21	U	0.21	2
95-95-4	2,4,5-Trichlorophenol	TRG	2	2	0.0438	U	0.0438	2
88-06-2	2,4,6-Trichlorophenol	TRG	2	2	0.137	U	0.137	2
120-83-2	2,4-Dichlorophenol	TRG	2	2	0.152	U	0.152	2
105-67-9	2,4-Dimethylphenol	TRG	2	2	0.179	U	0.179	2
51-28-5	2,4-Dinitrophenol	TRG	2	2	0.326	U	0.326	5
121-14-2	2,4-Dinitrotoluene	TRG		5	0.108	U	0.108	2
606-20-2	2,6-Dinitrotoluene	TRG		5	0.143	U	0.143	2
91-58-7	2-Chloronaphthalene	TRG		10	0.122	U	0.122	2
95-57-8	2-Chlorophenol	TRG	2	2	0.111	U	0.111	2
91-57-6	2-Methylnaphthalene	TRG			0.103	U	0.103	3
95-48-7	2-Methylphenol	TRG	2	2	0.155	U	0.155	2
88-74-4	2-Nitroaniline	TRG		5	0.101	U	0.101	2
88-75-5	2-Nitrophenol	TRG	2	2	0.162	U	0.162	2
91-94-1	3,3'-Dichlorobenzidine	TRG		5	0.11	U	0.11	2
106-44-5	3+4-Methylphenol	TRG	2	2	0.122	U	0.122	2
99-09-2	3-Nitroaniline	TRG		5	0.134	U	0.134	2
534-52-1	4,6-Dinitro-2-methylphenol	TRG	2	2	0.0793	U	0.0793	2
101-55-3	4-Bromophenyl-phenyl ether	TRG			0.191	U	0.191	2



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Lab: Aqua Pro-Tech Laboratories

Client: Sesi Consulting Engineers - GROSSINGERS

CAS#	Compound	Type
59-50-7	4-Chloro-3-methylphenol	TRG
106-47-8	4-Chloroaniline	TRG
7005-72-3	4-Chlorophenyl phenyl ether	TRG
100-01-6	4-Nitroaniline	TRG
100-02-7	4-Nitrophenol	TRG
83-32-9	Acenaphthene	TRG
208-96-8	Acenaphthylene	TRG
98-86-2	Acetophenone	TRG
120-12-7	Anthracene	TRG
1912-24-9	Atrazine	TRG
100-52-7	Benzaldehyde	TRG
191-24-2	Benzo(g,h,i)perylene	TRG
92-52-4	Biphenyl	TRG
111-91-1	bis(2-chloroethoxy)methane	TRG
111-44-4	bis(2-chloroethyl)ether	TRG
108-60-1	bis(2-chloroisopropyl)ether	TRG
117-81-7	bis(2-ethylhexyl)phthalate	TRG
85-68-7	Butylbenzylphthalate	TRG
105-60-2	Caprolactam	TRG
86-74-8	Carbazole	TRG
218-01-9	Chrysene	TRG
132-64-9	Dibenzofuran	TRG
84-66-2	Diethylphthalate	TRG
131-11-3	Dimethylphthalate	TRG
84-74-2	Di-n-butylphthalate	TRG
117-84-0	Di-n-octylphthalate	TRG
206-44-0	Fluoranthene	TRG
86-73-7	Fluorene	TRG
77-47-4	Hexachlorocyclopentadiene	TRG
67-72-1	Hexachloroethane	TRG
78-59-1	Isophorone	TRG
91-20-3	Naphthalene	TRG
98-95-3	Nitrobenzene	TRG
621-64-7	n-Nitroso-di-n-propylamine	TRG
86-30-6	n-Nitrosodiphenylamine	TRG
85-01-8	Phenanthrene	TRG
108-95-2	Phenol	TRG
129-00-0	Pyrene	TRG
007785-70-8	1R-.alpha.-Pinene	TIC
000079-34-5	Ethane, -tetrachloro-isomer	TIC
074367-33-2	Propanoic acid, -methyl-isomer	TIC
	unknown (01)	TIC
	unknown (02)	TIC
	unknown (03)	TIC
NA	Tentatively Identified Compounds	TIC Total

NY Water Clean-up Objectives	
NYSDEC 703.6 Ground Water	NYSDEC TOGs, Class GA
2	2
	5
	5
2	2
	20
	50
7.5	7.5
	5
1	1
	5
5	5
	50
	0.002
	50
	50
	50
	50
	5
	5
	50
	50
	10
0.4	0.4
	50
	50
2	2
	50

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Result	Qualifier	MDL	RL
0.141	U	0.141	2
0.162	U	0.162	2
0.136	U	0.136	2
0.0868	U	0.0868	2
0.168	U	0.168	2
0.1	U	0.1	2
0.14	U	0.14	2
0.17	U	0.17	2
0.121	U	0.121	2
0.0861	U	0.0861	2
0.134	U	0.134	2
0.0652	U	0.0652	2
0.106	U	0.106	2
0.112	U	0.112	2
0.121	U	0.121	2
0.132	U	0.132	2
0.183	U	0.183	2
0.19	U	0.19	2
0.193	U	0.193	2
0.188	U	0.188	2
0.129	U	0.129	2
0.12	U	0.12	2
0.123	U	0.123	2
0.388	U	0.388	2
0.131	U	0.131	2
0.139	U	0.139	2
0.129	U	0.129	2
0.109	U	0.109	2
0.205	U	0.205	2
0.111	U	0.111	2
0.111	U	0.111	2
0.0607	U	0.0607	2
0.146	U	0.146	2
0.13	U	0.13	2
0.0626	U	0.0626	2
0.0725	U	0.0725	2
0.0973	U	0.0973	2
0.115	U	0.115	2
7.41	J		
4.69	J		
4.53	J		
5.44	J		
8.40	J		
16.9	J		
47.4	J		
Result	Qualifier	MDL	RL
0.0523		0.0165	0.02
0.0511		0.0124	0.02
0.0782		0.0177	0.02
0.0277		0.0071	0.02
0.016	U	0.016	0.02
0.016	U	0.016	0.02
0.0137	U	0.0137	0.02
0.0312		0.0131	0.02

Work Order 8101182

Lab: Aqua Pro-Tech Laboratories

NY Water Clean-up Objectives	
NYSDEC 703.6 Ground Water	NYSDEC TOGs, Class GA

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Client: Sesi Consulting Engineers - GROSSINGERS

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CAS#	Compound	Type	Ground Water	GA	0.0052	U	0.0052	0.02
62-75-9	n-Nitroso-dimethylamine	TRG						
87-86-5	Pentachlorophenol	TRG	2	2	1.06		0.0168	0.02
<b>Total Metals (ug/L)-ADJ</b>					<b>Result</b>	<b>Qualifier</b>		<b>RL</b>
7429-90-5	Aluminum	TRG-ADJ	2000	2000	1670			100
7440-36-0	Antimony	TRG-ADJ	6	6	2	U		2
7440-38-2	Arsenic	TRG-ADJ	50	50	4.51			2
7440-39-3	Barium	TRG-ADJ	2000	2000	71			2
7440-41-7	Beryllium	TRG-ADJ		3	1	U		1
7440-43-9	Cadmium	TRG-ADJ	10	10	2	U		2
7440-70-2	Calcium	TRG-ADJ			69200			1000
7440-47-3	Chromium	TRG-ADJ	*	100	10	U		10
7440-48-4	Cobalt	TRG-ADJ			2	U		2
7440-50-8	Copper	TRG-ADJ	400	1000	15.4			10
7439-89-6	Iron	TRG-ADJ	600	600	1900			200
7439-92-1	Lead	TRG-ADJ	50	50	26.6			2
7439-95-4	Magnesium	TRG-ADJ		35000	2530			2000
7439-96-5	Manganese	TRG-ADJ	600	600	913			2
7439-97-6	Mercury	TRG-ADJ	1.4	1.4	0.5	U		0.5
7440-02-0	Nickel	TRG-ADJ	200	200	6.66			2
7440-09-7	Potassium	TRG-ADJ			5040			4000
7782-49-2	Selenium	TRG-ADJ	20	20	6	U		6
7440-22-4	Silver	TRG-ADJ	100	100	2	U		2
7440-23-5	Sodium	TRG-ADJ			6460			2000
7440-28-0	Thallium	TRG-ADJ		0.5	2	U		2
7440-62-2	Vanadium	TRG-ADJ			6			2
7440-66-6	Zinc	TRG-ADJ	5000	5000	155			30
<b>Volatile Organics - GC/MS (ug/L)</b>					<b>Result</b>	<b>Qualifier</b>	<b>MDL</b>	<b>RL</b>
71-55-6	1,1,1-Trichloroethane	TRG		5	0.216	U	0.216	1
79-34-5	1,1,2,2-Tetrachloroethane	TRG		5	0.218	U	0.218	1
76-13-1	1,1,2-Trichloro-1,2,2 Trifluoroethane	TRG		5	0.546	U	0.546	1
79-00-5	1,1,2-Trichloroethane	TRG	1	1	0.476	U	0.476	1
75-34-3	1,1-Dichloroethane	TRG		5	0.393	U	0.393	1
75-35-4	1,1-Dichloroethene	TRG		5	0.149	U	0.149	1
87-61-6	1,2,3-Trichlorobenzene	TRG		5	0.488	U	0.488	1
120-82-1	1,2,4-Trichlorobenzene	TRG		5	0.437	U	0.437	1
95-63-6	1,2,4-Trimethylbenzene	TRG			0.155	U	0.155	1
96-12-8	1,2-Dibromo-3-chloropropane	TRG	0.04	0.04	1.09	U	1.09	2
106-93-4	1,2-Dibromoethane	TRG	0.0006	0.0006	0.32	U	0.32	1
95-50-1	1,2-Dichlorobenzene	TRG	3	3	0.21	U	0.21	1
107-06-2	1,2-Dichloroethane	TRG	0.6	0.6	0.306	U	0.306	1
78-87-5	1,2-Dichloropropane	TRG	1	1	0.267	U	0.267	1
541-73-1	1,3-Dichlorobenzene	TRG	3	3	0.287	U	0.287	1
106-46-7	1,4-Dichlorobenzene	TRG	3	3	0.238	U	0.238	1
78-93-3	2-Butanone	TRG		50	0.87	U	0.87	2
591-78-6	2-Hexanone	TRG		50	0.635	U	0.635	2
108-10-1	4-Methyl-2-pentanone	TRG			0.638	U	0.638	2
67-64-1	Acetone	TRG		50	0.419	U	0.419	10
71-43-2	Benzene	TRG	1	1	0.129	U	0.129	1
74-97-5	Bromochloromethane	TRG		5	0.307	U	0.307	1
75-27-4	Bromodichloromethane	TRG		50	0.258	U	0.258	1
75-25-2	Bromoform	TRG		50	0.421	U	0.421	1
74-83-9	Bromomethane	TRG		5	0.702	U	0.702	2
75-15-0	Carbon disulfide	TRG	120		0.477	U	0.477	1



Work Order 8101300  
 Lab: Aqua Pro-Tech Laboratories

Client: Sesi Consulting Engineers - Grossingers

CAS# Compound Type

Extractable Petroleum Hydrocarbons Category 2 (mg/kg)

NJDEP-EPH2 Total EPH TRG

General Chemistry (mg/kg)

57-12-5 Cyanide TRG 27 27 27 27 10000 40

General Chemistry (%)

PERSOL Percent Solids TRG

PCBs (mg/kg)

12674-11-2 Aroclor-1016 TRG

11104-28-2 Aroclor-1221 TRG

11141-16-5 Aroclor-1232 TRG

53469-21-9 Aroclor-1242 TRG

12672-29-6 Aroclor-1248 TRG

11097-69-1 Aroclor-1254 TRG

11096-82-5 Aroclor-1260 TRG

37324-23-5 Aroclor-1262 TRG

11100-14-4 Aroclor-1268 TRG

1336-36-3 Total PCBs TRG 0.1 1 1 1 25 1 3.2

Pesticides (mg/kg)

72-54-8 4,4'-DDD TRG 0.0033 2.6 13 92 180 0.0033 14

72-55-9 4,4'-DDE TRG 0.0033 1.8 8.9 62 120 0.0033 17

50-29-3 4,4'-DDT TRG 0.0033 1.7 7.9 47 94 0.0033 136

309-00-2 Aldrin TRG 0.005 0.019 0.097 0.68 1.4 0.14 0.19

319-84-6 alpha-BHC TRG 0.02 0.097 0.48 3.4 6.8 0.04 0.02

319-85-7 beta-BHC TRG 0.036 0.072 0.36 3 14 0.6 0.09

57-74-9 Chlordane TRG 0.094 0.91 4.2 24 47 1.3 2.9

319-86-8 delta-BHC TRG 0.036 100 100 500 1000 0.04 0.25

60-57-1 Dieldrin TRG 0.005 0.039 0.2 1.4 2.8 0.006 0.1

959-98-8 Endosulfan I TRG 2.4 4.8 24 200 920 102

33213-65-9 Endosulfan II TRG 2.4 4.8 24 200 920 102

1031-07-8 Endosulfan sulfate TRG 2.4 4.8 24 200 920 1000

72-20-8 Endrin TRG 0.014 2.2 11 89 410 0.014 0.38

7421-93-4 Endrin aldehyde TRG

53494-70-5 Endrin ketone TRG

58-89-9 gamma-BHC (Lindane) TRG 0.1 0.28 1.3 9.2 23 6 0.1

76-44-8 Heptachlor TRG 0.042 0.42 2.1 15 29 0.14 0.38

1024-57-3 Heptachlor Epoxide TRG

72-43-5 Methoxychlor TRG

8001-35-2 Toxaphene TRG

Semivolatile Organics - GC/MS (mg/kg)

90-12-0 1-Methylnaphthalene TRG

58-90-2 2,3,4,6-Tetrachlorophenol TRG

95-95-4 2,4,5-Trichlorophenol TRG

88-06-2 2,4,6-Trichlorophenol TRG

120-83-2 2,4-Dichlorophenol TRG

105-67-9 2,4-Dimethylphenol TRG

51-28-5 2,4-Dinitrophenol TRG

121-14-2 2,4-Dinitrotoluene TRG

606-20-2 2,6-Dinitrotoluene TRG

91-58-7 2-Chloronaphthalene TRG

95-57-8 2-Chlorophenol TRG

91-57-6 2-Methylnaphthalene TRG

95-48-7 2-Methylphenol TRG 0.33 100 100 500 1000 0.33

88-74-4 2-Nitroaniline TRG

88-75-5 2-Nitrophenol TRG

91-94-1 3,3'-Dichlorobenzidine TRG

106-44-5 3+4-Methylphenol TRG 0.33 34 100 500 1000 0.33

99-09-2 3-Nitroaniline TRG

534-52-1 4,6-Dinitro-2-methylphenol TRG

101-55-3 4-Bromophenyl-phenyl ether TRG

59-50-7 4-Chloro-3-methylphenol TRG

106-47-8 4-Chloroaniline TRG

7005-72-3 4-Chlorophenyl phenyl ether TRG

100-01-6 4-Nitroaniline TRG

100-02-7 4-Nitrophenol TRG

83-32-9 Acenaphthene TRG 20 100 100 500 1000 20 98

208-96-8 Acenaphthylene TRG 100 100 100 500 1000 107

98-96-2 Acetophenone TRG

120-12-7 Anthracene TRG 100 100 100 500 1000 1000

1912-24-9 Atrazine TRG

100-52-7 Benzaldehyde TRG

56-55-3 Benzo(a)anthracene TRG 1 1 1 5.6 11 1 1

50-32-8 Benzo(a)pyrene TRG 1 1 1 1 1.1 2.6 22

205-99-2 Benzo(b)fluoranthene TRG 1 1 1 5.6 11 1.7

191-24-2 Benzo(g,h,i)perylene TRG 100 100 100 500 1000 1000

NY Soil Clean-up Objectives						
NY Soil Clean-up, Unrestricted Use	NY Soil Clean-up, Residential	NY Soil Clean-up, Restricted Residential	NY Soil Clean-up, Commercial	NY Soil Clean-up, Industrial	NY Soil Clean-up, Protection of Ecological Resources	NY Soil Clean-up, Protection of Groundwater

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8101300-02

WC-7  
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Result	Qualifier	MDL	RL
3260		11.4	22.8
0.285	U		0.285
87.7			
0.000671	U	0.000671	0.0376
0.00116	U	0.00116	0.0376
0.000886	U	0.000886	0.0376
0.00128	U	0.00128	0.0376
0.000883	U	0.000883	0.0376
0.00134	U	0.00134	0.0376
0.000992	U	0.000992	0.0376
0.00145	U	0.00145	0.0376
0.000761	U	0.000761	0.0376
0.000671	U	0.000671	0.0376
0.000898	U	0.000898	0.00148
0.00105	U	0.00105	0.00148
0.000712	U	0.000712	0.00148
0.000921	U	0.000921	0.00148
0.000574	U	0.000574	0.00148
0.00146	U	0.00146	0.00148
0.000996	U	0.000996	0.00148
0.00115	U	0.00115	0.00148
0.000798	U	0.000798	0.00148
0.00103	U	0.00103	0.00148
0.000806	U	0.000806	0.00148
0.000806	U	0.000806	0.00148
0.000761	U	0.000761	0.00148
0.000633	U	0.000633	0.00148
0.000905	U	0.000905	0.00148
0.000678	U	0.000678	0.00148
0.000867	U	0.000867	0.00148
0.000927	U	0.000927	0.00148
0.000943	U	0.000943	0.00148
0.023	U	0.023	0.0753
7.30	D	0.146	0.913
0.0935	U	0.0935	0.607
0.0826	U	0.0826	0.607
0.038	U	0.038	0.607
0.0611	U	0.0611	0.607
0.0598	U	0.0598	0.607
0.0876	U	0.0876	3.04
0.0648	U	0.0648	0.607
0.145	U	0.145	0.607
0.0698	U	0.0698	0.607
0.0803	U	0.0803	0.607
11.8	D	0.146	0.913
0.12	U	0.12	0.607
0.0488	U	0.0488	0.607
0.0675	U	0.0675	0.607
0.0639	U	0.0639	0.607
0.111	U	0.111	0.607
0.113	U	0.113	0.607
0.115	U	0.115	1.52
0.0867	U	0.0867	0.607
0.0958	U	0.0958	0.607
0.0213	U	0.0213	0.607
0.0328	U	0.0328	0.607
0.304	U	0.304	0.607
0.0389	U	0.0389	0.607
0.879	D	0.0346	0.607
0.0211	U	0.0211	0.607
0.0602	U	0.0602	0.607
0.888	D	0.0881	0.607
0.057	U	0.057	0.607
0.187	U	0.187	0.607
0.575	JD	0.0611	0.607
0.536	JD	0.106	0.607
0.368	JD	0.0853	0.607
0.0493	U	0.0493	0.607

Work Order 8101300  
 Lab: Aqua Pro-Tech Laboratories

Client: Sesi Consulting Engineers - Grossingers

CAS#	Compound	Type
207-08-9	Benzo(k)fluoranthene	TRG
92-52-4	Biphenyl	TRG
111-91-1	bis(2-chloroethoxy)methane	TRG
111-44-4	bis(2-chloroethyl)ether	TRG
108-60-1	bis(2-chloroisopropyl)ether	TRG
117-81-7	bis(2-ethylhexyl)phthalate	TRG
85-68-7	Butylbenzylphthalate	TRG
105-60-2	Caprolactam	TRG
86-74-8	Carbazole	TRG
218-01-9	Chrysene	TRG
53-70-3	Dibenzo(a,h)anthracene	TRG
132-64-9	Dibenzofuran	TRG
84-66-2	Diethylphthalate	TRG
131-11-3	Dimethylphthalate	TRG
84-74-2	Di-n-butylphthalate	TRG
117-84-0	Di-n-octylphthalate	TRG
206-44-0	Fluoranthene	TRG
86-73-7	Fluorene	TRG
118-74-1	Hexachlorobenzene	TRG
87-68-3	Hexachlorobutadiene	TRG
77-47-4	Hexachlorocyclopentadiene	TRG
67-72-1	Hexachloroethane	TRG
193-39-5	Indeno(1,2,3-cd)pyrene	TRG
78-59-1	Isophorone	TRG
91-20-3	Naphthalene	TRG
98-95-3	Nitrobenzene	TRG
621-64-7	n-Nitroso-di-n-propylamine	TRG
86-30-6	n-Nitrosodiphenylamine	TRG
85-01-8	Phenanthrene	TRG
108-95-2	Phenol	TRG
129-00-0	Pyrene	TRG
001730-37-6	9H-Fluorene, -methyl-isomer	TIC
000613-12-7	Anthracene, -methyl-isomer (01)	TIC
000613-12-7	Anthracene, -methyl-isomer (02)	TIC
000141-93-5	Benzene, -diethyl-isomer	TIC
000527-84-4	Benzene, -methyl-(-methylethyl)-isomer	TIC
000526-73-8	Benzene, -trimethyl-isomer	TIC
007058-01-7	Cyclohexane, (-methylpropyl)-isomer	TIC
003891-98-3	Dodecane, -trimethyl-isomer	TIC
054105-67-8	Heptadecane, -dimethyl-isomer	TIC
000582-16-1	Naphthalene, -dimethyl-isomer (01)	TIC
000581-40-8	Naphthalene, -dimethyl-isomer (02)	TIC
003674-65-5	Phenanthrene, -dimethyl-isomer	TIC
014905-56-7	Tetradecane, -trimethyl-isomer	TIC
000629-50-5	Tridecane	TIC
1120-21-4	Undecane	TIC
NA	Tentatively Identified Compounds	TIC Total

**Total Metals (mg/kg)**

CAS#	Compound	Type	Unrestricted Use	NY Soil Clean-up, Residential	NY Soil Clean-up, Restricted Residential	NY Soil Clean-up, Commercial	NY Soil Clean-up, Industrial	NY Soil Clean-up, Protection of Ecological Resources	NY Soil Clean-up, Protection of Groundwater
7429-90-5	Aluminum	TRG							
7440-36-0	Antimony	TRG							
7440-38-2	Arsenic	TRG							
7440-39-3	Barium	TRG	350	350	400	400	10000	433	820
7440-41-7	Beryllium	TRG	7.2	14	72	590	2700	10	47
7440-43-9	Cadmium	TRG	2.5	2.5	4.3	9.3	60	4	7.5
7440-70-2	Calcium	TRG							
7440-47-3	Chromium	TRG	30	36	180	1,500	6,800	41	
7440-48-4	Cobalt	TRG							
7440-50-8	Copper	TRG	50	270	270	270	10000	50	1720
7439-89-6	Iron	TRG							
7439-92-1	Lead	TRG	63	400	400	1000	3900	63	450
7439-95-4	Magnesium	TRG							
7439-96-5	Manganese	TRG	1600	2000	2000	10000	10000	1600	2000
7439-97-6	Mercury	TRG	0.18	0.81	0.81	2.8	5.7	0.18	0.73
7440-02-0	Nickel	TRG	30	140	310	310	10000	30	130
7440-09-7	Potassium	TRG							
7782-49-2	Selenium	TRG	3.9	36	180	1500	6800	3.9	4
7440-22-4	Silver	TRG	2	36	180	1500	6800	2	8.3
7440-23-5	Sodium	TRG							
7440-28-0	Thallium	TRG							
7440-62-2	Vanadium	TRG							
7440-66-6	Zinc	TRG	109	2200	10000	10000	10000	109	2480

**Volatile Organics - GC/MS (mg/kg)**

71-55-6	1,1,1-Trichloroethane	TRG	0.68	100	100	500	1000		0.68
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NY Soil Clean-up Objectives						
NY Soil Clean-up, Unrestricted Use	NY Soil Clean-up, Residential	NY Soil Clean-up, Restricted Residential	NY Soil Clean-up, Commercial	NY Soil Clean-up, Industrial	NY Soil Clean-up, Protection of Ecological Resources	NY Soil Clean-up, Protection of Groundwater
0.8	1	3.9	56	110		1.7

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8101300-02

WC-7

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Result	Qualifier	RL
0.0698	U	0.0698
0.0534	U	0.0534
0.084	U	0.084
0.0666	U	0.0666
0.219	U	0.219
0.121	U	0.121
0.0552	U	0.0552
0.0785	U	0.0785
0.117	U	0.117
1.22	D	0.0416
0.0602	U	0.0602
0.0362	U	0.0362
0.118	U	0.118
0.0377	U	0.0377
0.248	U	0.248
0.125	U	0.125
0.664	D	0.057
1.17	D	0.0506
0.0794	U	0.0794
0.292	U	0.292
0.253	U	0.253
0.0666	U	0.0666
0.0652	U	0.0652
0.0398	U	0.0398
3.27	D	0.045
0.103	U	0.103
0.0325	U	0.0325
0.13	U	0.13
4.49	D	0.0798
0.414	JD	0.0493
1.73	D	0.0447
7.00	JD	
6.23	JD	
7.50	JD	
15.9	JD	
6.41	JD	
10.5	JD	
6.52	JD	
12.5	JD	
12.0	JD	
8.98	JD	
8.28	JD	
8.23	JD	
11.3	JD	
8.20	JD	
19.8	JD	
149	J	
4780		2.82
1.41	U	1.41
1.80		1.41
38.7		0.565
0.254		0.0282
0.282	U	0.282
2240		28.2
5.05		0.282
4.01		0.226
25.9		0.282
9370		5.65
32.8		1.41
1540		56.5
252		0.282
0.0508	U	0.0508
11.3		0.141
474		113
1.41	U	1.41
0.565	U	0.565
106		56.5
1.41	U	1.41
36.1		0.565
61.8		0.847

Result	Qualifier	MDL	RL
0.000288	U	0.000288	0.00197

Result	Qualifier	MDL	RL



Work Order 8101300  
 Lab: Aqua Pro-Tech Laboratories

Client: Sesi Consulting Engineers - Grossingers  
 CAS#            Compound            Type

NY Soil Clean-up Objectives						
NY Soil Clean-up, Unrestricted Use	NY Soil Clean-up, Residential	NY Soil Clean-up, Restricted Residential	NY Soil Clean-up, Commercial	NY Soil Clean-up, Industrial	NY Soil Clean-up, Protection of Ecological Resources	NY Soil Clean-up, Protection of Groundwater

J - Indicates estimated value for TICs and all results when detected below the RL  
 D - Indicates result is based on a dilution  
 E - Concentration exceeds highest calibration standard  
 B - Indicates compound found in associated blank  
 H - Indicates a Hold Time violation  
 P - Indicates a Greater than 25% diff. between 2 GC columns.

**Key:**

	Reporting Limit exceeds Reg Standard
	Value Exceeded One or More of the Criteria
	Detected in Sample
	E Qualified, may require Dilution

Foot Notes:

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8101300-02

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Work Order 8110487  
 Lab: Aqua Pro-Tech Laboratories

		NY Soil Clean-up Objectives							8110487-01			8110487-01RE1			8110487-02			8110487-02RE1			8110487-03			8110487-03RE1					
Client: Sesi Consulting Engineers - Grossingers	CAS# Compound Type	NY Soil Clean-up Unrestricted Use	NY Soil Clean-up Residential	NY Soil Clean-up Restricted Residential	NY Soil Clean-up Commercial	NY Soil Clean-up Industrial	NY Soil Clean-up Protection of Ecological Resources	NY Soil Clean-up Protection of Groundwater	WC-IR-C-1 11/12/2018 15:10			WC-IR-C-1 11/12/2018 15:10			WC-IR-C-2 11/12/2018 15:15			WC-IR-C-2 11/12/2018 15:15			WC-IR-C-3 11/12/2018 15:20			WC-IR-C-3 11/12/2018 15:20					
		Result	Qualifier	MDL	RL	Result	Qualifier	MDL	RL	Result	Qualifier	MDL	RL	Result	Qualifier	MDL	RL	Result	Qualifier	MDL	RL	Result	Qualifier	MDL	RL				
<b>General Chemistry (mg/kg)</b>									0.262	U		0.262		0.269	U		0.269		0.268	U		0.268		0.268	U		0.268		
<b>General Chemistry (%)</b>									95.5			95.5		92.8			93.3		93.3			93.3			93.3				
<b>PERCOL Percent Solids</b>																													
<b>PCBs (mg/kg)</b>									Result	Qualifier	MDL	RL	Result	Qualifier	MDL	RL	Result	Qualifier	MDL	RL	Result	Qualifier	MDL	RL	Result	Qualifier	MDL	RL	
12674-11-2	Aroclor-1016	TRG						0.000924	U	0.00092	0.0518	0.000924	U	0.00092	0.0518	0.000924	U	0.00092	0.0518	0.000924	U	0.00092	0.0518	0.000924	U	0.00092	0.0518		
11104-28-2	Aroclor-1221	TRG						0.0016	U	0.0016	0.0518	0.0016	U	0.0016	0.0518	0.0016	U	0.0016	0.0518	0.0016	U	0.0016	0.0518	0.0016	U	0.0016	0.0518		
11141-16-5	Aroclor-1232	TRG						0.00122	U	0.00122	0.0518	0.00122	U	0.00122	0.0518	0.00122	U	0.00122	0.0518	0.00122	U	0.00122	0.0518	0.00122	U	0.00122	0.0518		
53469-21-9	Aroclor-1242	TRG						0.00176	U	0.00176	0.0518	0.00176	U	0.00176	0.0518	0.00176	U	0.00176	0.0518	0.00176	U	0.00176	0.0518	0.00176	U	0.00176	0.0518		
12672-29-6	Aroclor-1248	TRG						0.00122	U	0.00122	0.0518	0.00122	U	0.00122	0.0518	0.00122	U	0.00122	0.0518	0.00122	U	0.00122	0.0518	0.00122	U	0.00122	0.0518		
11097-69-1	Aroclor-1254	TRG						0.00185	U	0.00185	0.0518	0.00185	U	0.00185	0.0518	0.00185	U	0.00185	0.0518	0.00185	U	0.00185	0.0518	0.00185	U	0.00185	0.0518		
11096-62-5	Aroclor-1260	TRG						0.00137	U	0.00137	0.0518	0.00137	U	0.00137	0.0518	0.00137	U	0.00137	0.0518	0.00137	U	0.00137	0.0518	0.00137	U	0.00137	0.0518		
37324-23-5	Aroclor-1262	TRG						0.002	U	0.002	0.0518	0.002	U	0.002	0.0518	0.002	U	0.002	0.0518	0.002	U	0.002	0.0518	0.002	U	0.002	0.0518		
11100-14-4	Aroclor-1268	TRG						0.00105	U	0.00105	0.0518	0.00105	U	0.00105	0.0518	0.00105	U	0.00105	0.0518	0.00105	U	0.00105	0.0518	0.00105	U	0.00105	0.0518		
1336-36-3	Total PCBs	TRG	0.1	1	1	1	25	1	3.2	0.000924	U	0.00092	0.0518	0.000924	U	0.00092	0.0518	0.000924	U	0.00092	0.0518	0.000924	U	0.00092	0.0518	0.000924	U	0.00092	0.0518
<b>Pesticides (mg/kg)</b>									Result	Qualifier	MDL	RL	Result	Qualifier	MDL	RL	Result	Qualifier	MDL	RL	Result	Qualifier	MDL	RL	Result	Qualifier	MDL	RL	
72-54-8	4,4-DDD	TRG	0.0033	2.6	13	92	180	0.0033	14	0.00124	U	0.00124	0.00204	0.00124	U	0.00124	0.00204	0.00124	U	0.00124	0.00204	0.00124	U	0.00124	0.00204	0.00124	U	0.00124	0.00204
72-55-9	4,4-DDE	TRG	0.0033	1.8	8.9	62	120	0.0033	17	0.00145	U	0.00145	0.00204	0.00145	U	0.00145	0.00204	0.00145	U	0.00145	0.00204	0.00145	U	0.00145	0.00204	0.00145	U	0.00145	0.00204
59-29-3	4,4-DDT	TRG	0.0033	1.7	7.9	47	94	0.0033	136	0.00197	U	0.00197	0.00204	0.00197	U	0.00197	0.00204	0.00197	U	0.00197	0.00204	0.00197	U	0.00197	0.00204	0.00197	U	0.00197	0.00204
309-00-2	Aldrin	TRG	0.005	0.19	0.97	6.8	1.4	0.14	0.19	0.00127	U	0.00127	0.00204	0.00127	U	0.00127	0.00204	0.00127	U	0.00127	0.00204	0.00127	U	0.00127	0.00204	0.00127	U	0.00127	0.00204
319-84-6	alpha-BHC	TRG	0.02	0.097	0.48	3.4	6.8	0.04	0.02	0.00079	U	0.00079	0.00204	0.00079	U	0.00079	0.00204	0.00079	U	0.00079	0.00204	0.00079	U	0.00079	0.00204	0.00079	U	0.00079	0.00204
319-85-7	beta-BHC	TRG	0.036	0.072	0.36	3	1.4	0.6	0.09	0.00201	U	0.00201	0.00204	0.00201	U	0.00201	0.00204	0.00201	U	0.00201	0.00204	0.00201	U	0.00201	0.00204	0.00201	U	0.00201	0.00204
57-74-9	Chlordane	TRG	0.094	0.91	4.2	24	47	1.3	2.9	0.00137	U	0.00137	0.00204	0.00137	U	0.00137	0.00204	0.00137	U	0.00137	0.00204	0.00137	U	0.00137	0.00204	0.00137	U	0.00137	0.00204
319-86-8	delta-BHC	TRG	0.036	0.072	0.36	3	1.4	0.6	0.09	0.00158	U	0.00158	0.00204	0.00158	U	0.00158	0.00204	0.00158	U	0.00158	0.00204	0.00158	U	0.00158	0.00204	0.00158	U	0.00158	0.00204
60-57-1	Dieldrin	TRG	0.005	0.039	0.2	1.4	2.8	0.006	0.1	0.0011	U	0.0011	0.00204	0.0011	U	0.0011	0.00204	0.0011	U	0.0011	0.00204	0.0011	U	0.0011	0.00204	0.0011	U	0.0011	0.00204
959-98-8	Endosulfan I	TRG	2.4	4.8	24	200	920			0.00141	U	0.00141	0.00204	0.00141	U	0.00141	0.00204	0.00141	U	0.00141	0.00204	0.00141	U	0.00141	0.00204	0.00141	U	0.00141	0.00204
33213-65-9	Endosulfan II	TRG	2.4	4.8	24	200	920			0.00111	U	0.00111	0.00204	0.00111	U	0.00111	0.00204	0.00111	U	0.00111	0.00204	0.00111	U	0.00111	0.00204	0.00111	U	0.00111	0.00204
1031-07-8	Endosulfan sulfate	TRG	2.4	4.8	24	200	920			0.00111	U	0.00111	0.00204	0.00111	U	0.00111	0.00204	0.00111	U	0.00111	0.00204	0.00111	U	0.00111	0.00204	0.00111	U	0.00111	0.00204
72-22-8	Endrin	TRG	0.014	2.2	11	89	410	0.014	0.38	0.00105	U	0.00105	0.00204	0.00105	U	0.00105	0.00204	0.00105	U	0.00105	0.00204	0.00105	U	0.00105	0.00204	0.00105	U	0.00105	0.00204
7421-93-4	Endrin aldehyde	TRG								0.000872	U	0.00087	0.00204	0.000872	U	0.00087	0.00204	0.000872	U	0.00087	0.00204	0.000872	U	0.00087	0.00204	0.000872	U	0.00087	0.00204
53494-70-5	Endrin ketone	TRG								0.00125	U	0.00125	0.00204	0.00125	U	0.00125	0.00204	0.00125	U	0.00125	0.00204	0.00125	U	0.00125	0.00204	0.00125	U	0.00125	0.00204
58-89-9	gamma-BHC (Lindane)	TRG	0.1	0.28	1.3	9.2	23	6	0.1	0.000933	U	0.00093	0.00204	0.000933	U	0.00093	0.00204	0.000933	U	0.00093	0.00204	0.000933	U	0.00093	0.00204	0.000933	U	0.00093	0.00204
76-44-8	Hepachlor	TRG	0.042	0.42	2.1	15	29	0.14	0.38	0.00119	U	0.00119	0.00204	0.00119	U	0.00119	0.00204	0.00119	U	0.00119	0.00204	0.00119	U	0.00119	0.00204	0.00119	U	0.00119	0.00204
1024-57-3	Hepachlor Epoxide	TRG								0.00128	U	0.00128	0.00204	0.00128	U	0.00128	0.00204	0.00128	U	0.00128	0.00204	0.00128	U	0.00128	0.00204	0.00128	U	0.00128	0.00204
72-43-5	Methoxychlor	TRG								0.0013	U	0.0013	0.00204	0.0013	U	0.0013	0.00204	0.0013	U	0.0013	0.00204	0.0013	U	0.0013	0.00204	0.0013	U	0.0013	0.00204
8001-35-2	Toxaphene	TRG								0.0317	U	0.0317	0.104	0.0317	U	0.0317	0.104	0.0317	U	0.0317	0.104	0.0317	U	0.0317	0.104	0.0317	U	0.0317	0.104
<b>Semivolatile Organics - GC/MS (mg/kg)</b>									Result	Qualifier	MDL	RL	Result	Qualifier	MDL	RL	Result	Qualifier	MDL	RL	Result	Qualifier	MDL	RL	Result	Qualifier	MDL	RL	
90-12-0	1-Methylnaphthalene	TRG								0.689	J	0.174	4.71	0.689	J	0.179	4.85	0.501	J	0.178	4.82	0.501	J	0.178	4.82	0.501	J	0.178	4.82
59-90-2	2,3,4,6-Tetrachlorophenol	TRG								0.0322	U	0.0322	0.209	0.0322	U	0.0321	0.215	0.0329	U	0.0329	0.214	0.0329	U	0.0329	0.214	0.0329	U	0.0329	0.214
95-95-4	2,4,5-Trichlorophenol	TRG								0.0284	U	0.0284	0.209	0.0284	U	0.0283	0.215	0.0293	U	0.0291	0.214	0.0291	U	0.0291	0.214	0.0291	U	0.0291	0.214
88-06-2	2,4,6-Trichlorophenol	TRG								0.0131	U	0.0131	0.209	0.0131	U	0.0135	0.215	0.0134	U	0.0134	0.214	0.0134	U	0.0134	0.214	0.0134	U	0.0134	0.214
120-83-2	2,4-Dichlorophenol	TRG	</																										

Work Order 8110487

Lab: Aqua Pro-Tech Laboratories

Client: Sesi Consulting Engineers - Grossingers

CAS# Compound Type

NY Soil Clean-up, Unrestricted Use	NY Soil Clean-up, Residential	NY Soil Clean-up, Restricted Residential	NY Soil Clean-up, Commercial	NY Soil Clean-up, Industrial	NY Soil Clean-up, Protection of Ecological Resources	NY Soil Clean-up, Protection of Groundwater
98-95-3	Nitrobenzene	TRG				
621-64-7	n-Nitrosodim-propylamine	TRG				
86-30-6	n-Nitrosodiphenylamine	TRG				
85-01-8	Phenanthrene	TRG	100	100	100	500
108-95-2	Phenol	TRG	0.33	100	100	500
129-00-0	Pyrene	TRG	100	100	100	500
000484-11-7	1,10-Phenanthroline, -dimethyl-isomer	TIC				
000243-17-4	11H-Benzo[ <i>b</i> ]fluorene	TIC				
000203-64-5	4H-Cyclopenta[def]phenanthrene	TIC				
000205-99-2	Benzo[ <i>a</i> ]acenaphthylene	TIC				
195-19-7	Benzo[ <i>c</i> ]phenanthrene	TIC				
000192-97-2	Benzo[ <i>e</i> ]pyrene	TIC				
132-65-0	Dibenzofluophene	TIC				
033543-31-6	Fluoranthene, -methyl-isomer (01)	TIC				
033543-31-6	Fluoranthene, -methyl-isomer (02)	TIC				
544-76-3	Hexadecane	TIC				
000581-40-8	Naphthalene, -dimethyl-isomer	TIC				
000612-94-2	Naphthalene, -phenyl-isomer	TIC				
001921-70-6	Pentadecane, -tetramethyl-isomer	TIC				
1985-5-0	Perylene	TIC				
003674-65-5	Phenanthrene, -dimethyl-isomer	TIC				
000883-20-5	Phenanthrene, -methyl-isomer	TIC				
00353-12-6	Pyrene, -methyl-isomer (01)	TIC				
003442-78-2	Pyrene, -methyl-isomer (02)	TIC				
NA	unknown	TIC				
	Tentatively Identified Compounds	TIC Total				

NY Soil Clean-up Objectives							8110487-01			8110487-01RE1			8110487-02			8110487-02RE1			8110487-03			8110487-03RE1		
NY Soil Clean-up, Unrestricted Use	NY Soil Clean-up, Residential	NY Soil Clean-up, Restricted Residential	NY Soil Clean-up, Commercial	NY Soil Clean-up, Industrial	NY Soil Clean-up, Protection of Ecological Resources	NY Soil Clean-up, Protection of Groundwater	WC-IR-C-1			WC-IR-C-1			WC-IR-C-2			WC-IR-C-2			WC-IR-C-3			WC-IR-C-3		
							11/12/2018 15:10			11/12/2018 15:10			11/12/2018 15:15			11/12/2018 15:15			11/12/2018 15:20			11/12/2018 15:20		
Result	Qualifier	MDL	RL	Result	Qualifier	MDL	Result	Qualifier	MDL	RL	Result	Qualifier	MDL	RL	Result	Qualifier	MDL	RL	Result	Qualifier	MDL	RL		
6600			2.55				8640			2.84	8100			2.73										
1.28			1.28				1.42	U		1.42	1.37	U		1.37										
2.09			1.28				2.69			1.42	2.18			1.37										
350	350	400	400	10000	433	820	31.7		0.567		38.0		0.567	41.0		0.547								
7.2	14	72	590	2700	10	47	0.330		0.0255		0.343		0.0284	0.358		0.0273								
2.5	2.5	4.3	9.3	60	4	7.5	0.255	U		0.284	0.284	U		0.284		0.273								
30	36	180	1500	6,800	41		5.82		0.255		8.71		0.284	7.49		0.273								
4.19			0.204				4.19		0.204		3.72		0.227	3.85		0.219								
12.2			0.255				12.2		0.255		9.45		0.284	9.59		0.273								
8020			5.11				8020		5.11		11100		5.67	8590		5.47								
4.09			3.89				4.09		3.89		3.89		4.43	4.43		4.43								
3220			51.1				3220		51.1		3800		56.7	3990		54.7								
337			0.255				337		0.255		257		0.284	276		0.273								
0.18	0.81	0.81	2.8	5.7	0.18	0.73	0.0475	U	0.0475		0.0434	U	0.0434	0.0461	U	0.0461								
30	140	310	310	10000	30	130	7.38		0.128		9.28		0.142	7.93		0.137								
531			102				531		102		621		113	817		109								
1.28			1.28				1.28		1.28		1.42		1.42	1.37		1.37								
0.511			0.511				0.511		0.511		0.567		0.567	0.547		0.547								
85.3			51.1				85.3		51.1		98.4		56.7	134		54.7								
1.28			1.28				1.28		1.28		1.42		1.42	1.37		1.37								
6.41			0.511				6.41		0.511		9.59		0.567	8.66		0.547								
21.8			0.766				21.8		0.766		22.3		0.851	20.4		0.820								
0.000306	U	0.00031	0.00209				0.000315	U	0.00032	0.00216	0.000313	U	0.00031	0.00214	0.000313	U	0.00031	0.00214						
0.000289	U	0.00029	0.00209				0.000297	U	0.0003	0.00216	0.000296	U	0.0003	0.00214	0.000296	U	0.0003	0.00214						
0.000896	U	0.0009	0.00209				0.000923	U	0.00092	0.00216	0.000917	U	0.00092	0.00214	0.000917	U	0.00092	0.00214						
0.000353	U	0.00035	0.00209				0.000363	U	0.00036	0.00216	0.000361	U	0.00036	0.00214	0.000361	U	0.00036	0.00214						
0.000306	U	0.00031	0.00209				0.000315	U	0.00032	0.00216	0.000313	U	0.00031	0.00214	0.000313	U	0.00031	0.00214						
0.000388	U	0.00039	0.00209				0.000399	U	0.0004	0.00216	0.000396	U	0.0004	0.00214	0.000396	U	0.0004	0.00214						
0.000452	U	0.00045	0.00209				0.000466	U	0.00047	0.00216	0.000463	U	0.00046	0.00214	0.000463	U	0.00046	0.00214						
0.000558	U	0.00056	0.00209				0.000575	U	0.00058	0.00216	0.000571	U	0.00057	0.00214	0.000571	U	0.00057	0.00214						
0.00166			0.00029	0.00209			0.00169		0.0003	0.00216	0.00164		0.0003	0.00214	0.00164		0.0003	0.00214						
0.000511	U	0.00051	0.00209				0.000526	U	0.00053	0.00216	0.000523	U	0.00052	0.00214	0.000523	U	0.00052	0.00214						
0.000264	U	0.00026	0.00209				0.000272	U	0.00027	0.00216	0.00027	U	0.00027	0.00214	0.00027	U	0.00027	0.00214						
0.00037	U	0.00037	0.00209			1.1	0.00038	U	0.00038	0.00216	0.000378	U	0.00038	0.00214	0.000378	U	0.00038	0.00214						
0.000235	U	0.00023	0.00209			0.02	0.000295	U	0.0003	0.00216	0.000292	U	0.0003	0.00214	0.000292	U	0.0003	0.00214						
0.000344	U	0.00034	0.00209				0.000344	U	0.00034	0.00216	0.000341	U	0.00034	0.00214	0.000341	U	0.00034	0.00214						
0.000154	U	0.00015	0.00209				0.000158	U	0.00016	0.00216	0.000157	U	0.00016	0.00214	0.000157	U	0.00016	0.00214						
0.000302	U	0.0003	0.00209				0.000302	U	0.0003	0.00216	0.000301	U	0.0003	0.00214	0.000301	U	0.0003	0.00214						
0.000341	U	0.00034	0.00209				0.000341	U	0.00034	0.00216	0.000341	U	0.00034	0.00214	0.000341	U	0.00034	0.00214						
0.000196	U	0.0002	0.00209				0.000202	U	0.0002	0.00216	0.000202	U	0.0002	0.00214	0.000202	U	0.0002	0.00214						
0.000262	U	0.00026	0.00209				0.000269	U	0.00027	0.00216	0.000268	U	0.00027	0.00214	0.000268	U	0.00027	0.00214						
0.000435	U	0.00044	0.00209				0.000435	U	0.00043	0.00216	0.000435	U	0.00043	0.00214	0.000435	U	0.00043	0.00214						
0.000191	U	0.00019	0.00209			0.06	0.000191	U	0.00019	0.00216	0.000196	U	0.0002	0.00214	0.000195	U	0.0002	0.00214						
0.000386	U	0.00039	0.00209				0.000396	U	0.0004	0.00216	0.000395	U	0.0004	0.00214	0.000395	U	0.0004	0.00214						
0.000263	U	0.00026	0.00209				0.000271	U	0.00027	0.00216	0.000269	U	0.00027	0.00214	0.000269	U	0.00027	0.00214						
0.000368	U	0.00037	0.00209				0.000378	U	0.00038	0.00216	0.000376	U	0.00038	0.00214	0.000376	U	0.00038	0.00214						
0.000604	U	0.0006	0.00209				0.000622	U	0.00062	0.00216	0.000621	U	0.00062	0.00214	0.000621	U	0.00062	0.00214						
0.000301	U	0.0003	0.00209				0.000309	U	0.00031	0.00216	0.000307	U	0.00031	0.00214	0.000307	U	0.00031	0.00214						
0.000315	U	0.00032	0.00209			0.76	0.000315	U	0.00032	0.00216	0.000322	U	0.00032	0.00214	0.000322	U	0.00032	0.00214						
0.000304	U	0.0003	0.00209			1.1	0.000304	U	0.0003	0.00216	0.000311	U	0.00031	0.00214	0.000311	U	0.00031	0.00214						
0.000258	U	0.00026	0.00209				0.000265	U	0.00027	0.00216	0.000264	U	0.00027	0.00214	0.000264	U	0.00027	0.00214						
0.000357	U	0.00036	0.00209				0.000368	U	0.00037	0.00216	0.000366	U	0.00037	0.00214	0.000366	U	0.00037	0.00214						
0.000352	U	0.00035	0.00209			0.37	0.000352	U	0.00035	0.00216	0.000362	U	0.00036	0.00214	0.000362	U	0.00036	0.00214						
0.000806	U	0.00081	0.00209				0.000806	U	0.00081	0.00216	0.000803	U	0.00081	0.00214	0.000803	U	0							

Work Order 8110487  
 Lab: Aqua Pro-Tech Laboratories

Client: Sesi Consulting Engineers - Grossingers

CAS#	Compound	Type	NY Soil Clean-up, Unrestricted Use	NY Soil Clean-up, Residential	NY Soil Clean-up, Residential	NY Soil Clean-up, Commercial	NY Soil Clean-up, Industrial	NY Soil Clean-up, Protection of Ecological Resources	NY Soil Clean-up, Protection of Groundwater
75-65-0	tert-Butyl alcohol	TRG							
127-18-4	Tetrachloroethene	TRG	1.3	5.5	19	150	300	2	1.3
108-88-3	Toluene	TRG	0.7	100	100	500	1000	36	0.7
1330-20-7	Total Xylenes	TRG							
156-60-5	trans-1,2-Dichloroethene	TRG	0.19	100	100	500	1000		0.19
10061-02-6	trans-1,3-Dichloropropene	TRG							
79-01-6	Trichloroethene	TRG	0.47	10	21	200	400	2	0.47
75-69-4	Trichlorofluoromethane	TRG							
75-01-4	Vinyl chloride	TRG	0.02	0.21	0.9	13	27		0.02
000098-82-8	Benzene, (1-methylethyl)-	TIC							
000095-63-6	Benzene, 1,2,4-trimethyl-	TIC							
003073-66-3	Cyclohexane, 1,1,3-trimethyl-	TIC							
002234-75-5	Cyclohexane, 1,2,4-trimethyl-	TIC							
000589-90-2	Cyclohexane, 1,4-dimethyl-	TIC							
001678-91-7	Cyclohexane, ethyl-	TIC							
003788-32-7	Cyclopentane, (2-methylpropyl)-	TIC							
000124-18-5	Decane	TIC							
000124-18-5	Decane (01)	TIC							
000124-18-5	Decane (02)	TIC							
003074-71-3	Heptane, 2,3-dimethyl-	TIC							
002213-23-2	Heptane, 2,4-dimethyl-	TIC							
002216-30-0	Heptane, 2,5-dimethyl-	TIC							
000619-99-8	Hexane, 3-ethyl-	TIC							
111-84-2	Nonane	TIC							
111-65-9	Octane	TIC							
003221-61-2	Octane, 2-methyl-	TIC							
002216-33-3	Octane, 3-methyl-	TIC							
002216-34-4	Octane, 4-methyl-	TIC							
	unknown	TIC							
	unknown (01)	TIC							
	unknown (02)	TIC							
	unknown (03)	TIC							
	unknown hydrocarbon	TIC							
NA	Tentatively Identified Compounds	TIC Total							

NY Soil Clean-up Objectives										8110487-01	8110487-01RE1	8110487-02	8110487-02RE1	8110487-03	8110487-03RE1		
										WC-IR-C-1	WC-IR-C-1	WC-IR-C-2	WC-IR-C-2	WC-IR-C-3	WC-IR-C-3		
										11/12/2018 15:10	11/12/2018 15:10	11/12/2018 15:15	11/12/2018 15:15	11/12/2018 15:20	11/12/2018 15:20		
										0.0044	U	0.0044	0.0209				
										0.000207	U	0.00021	0.00209				
										0.000169	U	0.00017	0.00209				
										0.0446	J	0.0027	0.00209				
										0.000284	U	0.00028	0.00209				
										0.0004	U	0.0004	0.00209				
										0.000308	U	0.00031	0.00209				
										0.000241	U	0.00024	0.00209				
										0.000398	U	0.0004	0.00209				
														0.0045	U	0.0045	0.0214
														0.000212	U	0.00021	0.00214
														0.00138	J	0.00017	0.00214
														0.0658	J	0.00028	0.00214
														0.00029	U	0.00029	0.00214
														0.000412	U	0.00041	0.00216
														0.000317	U	0.00032	0.00216
														0.000248	U	0.00025	0.00216
														0.00041	U	0.00041	0.00216
														0.0245	J		
										0.0414	J			0.0312	J		
										0.0215	J			0.0536	J		
										0.0288	J			0.0358	J		
										0.0306	J						
										0.0267	J						
										0.0188	J						
										0.0557	J						
										0.0305	J						
										0.0200	J			0.0291	J		
										0.0611	J			0.105	J		
										0.0277	J			0.0341	J		
										0.0189	J						
										0.0408	J			0.0511	J		
										0.0208	J			0.0728	J		
														0.0299	J		
														0.0704	J		
										0.0219	J			0.0252	J		
										0.465	J			0.0481	J		
												0	J	0.694	J		

**Qualifiers:**  
 U - Indicates compound analyzed for but not detected  
 J - Indicates estimated value for TICs and all results when detected below the RL  
 D - Indicates result is based on a dilution  
 E - Concentration exceeds highest calibration standard  
 B - Indicates compound found in associated blank  
 H - Indicates a Hold Time violation  
 P - Indicates a Greater than 25% diff. between 2 GC columns.

**Key:**

Reporting Limit exceeds Reg Standard
Value Exceeded One or More of the Criteria
Detected in Sample
E Qualified, may require Dilution

**Foot Notes:**

Work Order 8110690  
Lab: Aqua Pro-Tech Laboratories

Client: Seel Consulting Engineers - Grossingers  
CAS# Compound Type

NY Sol Clean-up Objectives

NY Sol Clean-up, Unrestricted	NY Sol Clean-up, Residential	NY Sol Clean-up, Restricted Residential	NY Sol Clean-up, Commercial	NY Sol Clean-up, Industrial	NY Sol Clean-up, Protection of Ecological Resources	NY Sol Clean-up, Protection of Groundwater
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8110690-01  
WC1-116 Grab  
11/16/2018 11:30

8110690-02  
WC2-116 Grab  
11/16/2018 11:35

8110690-03  
WC1-116  
11/16/2018 11:20

8110690-04  
WC2-116  
11/16/2018 11:25

Extractable Petroleum Hydrocarbons Category 2 (mg/kg)

NUDET-EPH: Total EPH	Result	Qualifier	MDL	RL
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General Chemistry (mg/kg)	Result	Qualifier	MDL	RL
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General Chemistry (%)	Result	Qualifier	MDL	RL
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PERCOL Percent Solids	Result	Qualifier	MDL	RL
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PCBs (mg/kg)

PCB Arochlors	Result	Qualifier	MDL	RL
12674-11-2 Arochl-1016				
11104-28-2 Arochl-1221				
11141-16-6 Arochl-1232				
53469-21-9 Arochl-1242				
12672-29-6 Arochl-1248				
11097-69-1 Arochl-1254				
11096-82-5 Arochl-1260				
37324-23-5 Arochl-1262				
11100-14-4 Arochl-1268				
1338-36-3 Total PCBs	0.1	1	1	1

Pesticides (mg/kg)

Pesticide	Result	Qualifier	MDL	RL
72-54-8 4,4'-DDE	0.0033	2.6	13	92
72-55-9 4,4'-DDE	0.0033	1.8	8.9	62
50-29-3 4,4'-DDT	0.0033	1.7	7.9	47
389-02-7 Aldrin	0.005	0.019	0.097	0.68
319-84-6 delta-BHC	0.02	0.097	0.48	3.4
319-85-7 beta-BHC	0.036	0.072	0.36	3
57-74-9 Chlordane	0.04	0.91	4.2	24
319-86-8 delta-BHC	0.036	100	500	1000
60-57-1 Dieldrin	0.005	0.039	0.2	1.4
929-98-9 Endosulfan I	2.4	4.8	24	200
3213-65-9 Endosulfan II	2.4	4.8	24	200
1031-07-8 Endosulfan sulfate	2.4	4.8	24	200
72-26-8 Endrin	0.014	2.2	11	69
7421-93-4 Endrin aldehyde				
53484-70-5 Endrin ketone				
59-89-3 gamma-BHC (Lindane)	0.1	0.28	1.3	9.2
76-44-8 Heptachlor	0.042	0.42	2.1	15
1024-57-3 Heptachlor Epoxide				
72-43-5 Methoxychlor				
8001-35-2 Toxaphene				

Semivolatile Organics - GC/MS (mg/kg)

Organic	Result	Qualifier	MDL	RL
90-12-0 1-Methylnaphthalene				
59-90-2 2,3,6-Trichlorophenol				
95-95-4 2,4,5-Trichlorophenol				
88-06-2 2,4,6-Trichlorophenol				
120-82-2 2,4-Dichlorophenol				
105-67-9 2,4-Dimethylphenol				
51-28-5 2,4-Dinitrophenol				
121-14-2 2,4-Dinitrotoluene				
692-20-2 2,6-Dinitrotoluene				
91-56-7 2-Chloronaphthalene				
95-57-8 2-Chlorophenol				
91-57-6 2-Methylnaphthalene				
95-48-7 2-Methylphenol	0.33	100	100	500
88-74-4 2-Nitroaniline				
88-75-5 2-Nitrophenol				
91-94-1 3,3'-Dichlorobenzidine				
104-44-5 3,4-Methylenedianiline	0.33	34	100	500
99-09-2 3-Nitroaniline				
53-52-1 4,6-Dinitro-2-methylphenol				
101-55-3 4-Bromophenylethyl ether				
59-50-7 4-Chloro-3-methylphenol				
106-47-8 4-Chloroaniline				
7005-72-3 4-Chlorophenylethyl ether				
100-01-6 4-Nitroaniline				
100-01-6 4-Nitrophenol				
83-32-9 Acenaphthene	20	100	100	500
208-96-8 Acenaphthylene	100	100	100	500
98-96-2 Acenaphthylene	100	100	100	500
120-12-7 Anthracene	100	100	100	500
1912-24-9 Atrazine				
163-52-7 Benzaldehyde				
56-55-3 Benzofuranthracene	1	1	1	5.6
50-32-8 Benzofuranthracene	1	1	1	1.1
235-99-2 Benzobenzofuranthracene	1	1	1	5.6
191-24-2 Benzobenzofuranthracene	100	100	100	500
207-20-9 Benzobenzofuranthracene	0.8	1	3.9	56
93-52-4 Biphenyl				
111-91-1 bis(2-chlorophenyl)ethane				
111-44-4 bis(2-chlorophenyl)ether				
109-81-1 bis(2-chlorophenyl)ether				
111-91-1 bis(2-ethylhexyl)phthalate				
85-68-7 Butylbenzothalate				
105-60-2 Caproic acid				
86-74-8 Carbazole				
2181-91-9 Chrysene	1	1	3.9	56
53-70-3 Dibenz(a,h)anthracene	0.33	0.33	0.33	0.56
132-64-9 Dibenzofuran	7	14	59	350
84-86-2 Diethylphthalate				
13111-1-3 Dimethylphthalate				
84-74-2 Di-n-butylphthalate				
117-84-0 Di-n-octylphthalate				
204-44-0 Fluoranthene	100	100	100	500
86-73-7 Fluorene	30	100	100	500
119-74-1 Hexachlorobenzene	0.33	0.33	1.2	6
87-46-3 Hexachlorobutadiene				
77-47-4 Hexachlorocyclopentadiene				
67-72-1 Hexachlorocyclopentadiene				
63-39-5 Heptachloro-1,2,3-cyclohexene	0.5	0.5	0.5	5.6
78-59-1 Isophthalic acid				
91-20-3 Naphthalene	12	100	100	500
98-95-3 Nitrobenzene				
62-64-7 n-Nitroso-d-n-propylamine				
85-30-6 n-Nitrosodiphenylamine				
85-01-8 Phenanthrene	100	100	100	500
108-95-2 Phenol	0.33	100	100	500
129-04-0 Pyrene	100	100	100	500
001595-160 Benzene, -methyl-(methylpropyl)-isomer				
066320-38-3 Cyclohexene, -methyl-isomer				
004292-92-6 Cyclohexane, -peroxy-isomer				
081983-70-2 Cyclohexane, -propyl-trimethyl-isomer				
080956-44-3 Decahydro-pentamethylnaphthalene-isomer				
00210-25-2 Decane, -methyl-isomer				
018344-37-1 Heptadecane, -tetramethyl-isomer				
544-78-3 Hexadecane				
00036-36-8 Hexadecane, -tetramethyl-isomer				
000493-02-7 Naphthalene, decahydro-isomer				
002958-76-1 Naphthalene, decahydro-methyl-isomer				
00581-40-8 Naphthalene, -dimethyl-isomer				
00029-26-5 Naphthalene, -methyl-isomer				
017312-63-9 Nonane, -butyl-isomer				
00201-30-1 Octane, -dimethyl-isomer				
001617-04-6 Tetradecane, -tetramethyl-isomer				
041446-63-3 Tetradecane, -isomer				
100152-47-7 trans-Decalin, -methyl-isomer				
NA Tentatively Identified Compounds				

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Work Order 8110690  
Lab: Aqua Pro-Tech Laboratories

Client: Seel Consulting Engineers - Grossingers  
CASA Compound Type

NY Soil Clean-up Objectives						
NY Soil Clean-up, Unrestricted Use	NY Soil Clean-up, Residential	NY Soil Clean-up, Restricted Residential	NY Soil Clean-up, Commercial	NY Soil Clean-up, Industrial	NY Soil Clean-up, Protection of Ecological Resources	NY Soil Clean-up, Protection of Groundwater
109-10-1	4-Methyl-2-pentanone	TRG				
67-64-1	Aceone	TRG	0.05	100	100	500
71-43-2	Benzene	TRG	0.06	2.9	4.8	44
74-87-5	Bromochloromethane	TRG				
75-27-4	Bromodichloromethane	TRG				
75-25-2	Bromoforn	TRG				
74-83-9	Bromomethane	TRG				
75-15-0	Carbon disulfide	TRG				
56-23-5	Carbon Tetrachloride	TRG	0.76	1.4	2.4	22
108-88-7	Chlorobenzene	TRG	1.1	100	100	500
134-48-1	Chlorodibromomethane	TRG				
75-00-3	Chloroethane	TRG				
67-66-3	Chloroform	TRG	0.37	10	49	350
74-87-3	Chloromethane	TRG				
156-59-2	cis-1,2-Dichloroethane	TRG	0.25	59	100	500
10061-01-5	cis-1,3-Dichlorocyclohexane	TRG				
110-82-7	Cyclohexane	TRG				
75-71-8	Dichlorodifluoromethane	TRG				
100-41-4	Ethylbenzene	TRG	1	30	41	350
98-82-8	Isocyanobenzene	TRG				
17901-23-1	m+p-Xylenes	TRG	0.26	100	100	500
79-20-9	Methyl Acetate	TRG				
1634-04-4	Methyl tert-Butyl Ether	TRG	0.93	62	100	500
108-87-2	Methyldichloroethane	TRG				
75-09-2	Methylene Chloride	TRG	0.05	51	100	500
95-47-6	o-Xylene	TRG	0.26	100	100	500
100-42-5	Styrene	TRG				
75-65-0	tert-Butyl alcohol	TRG				
127-18-4	Tetrachloroethene	TRG	1.3	5.5	19	150
108-88-3	Toluene	TRG	0.7	100	100	500
1330-20-7	Total Xylenes	TRG				
156-60-5	trans-1,2-Dichloroethene	TRG	0.19	100	100	500
10061-02-6	trans-1,3-Dichlorocyclohexane	TRG				
79-01-6	Trichloroethane	TRG	0.47	10	21	200
75-69-4	Trichlorofluoromethane	TRG				
75-01-4	Vinyl chloride	TRG	0.02	0.21	0.9	13
020524-86-1	Methane, oxybis(dichloro-)	TIC				
00001-17-8	Naphthalene, dichloro-	TIC				
000459-01-6	Naphthalene, dechloro-, cis-	TIC				
unknown (01)		TIC				
unknown (02)		TIC				
unknown (03)		TIC				
unknown (04)		TIC				
unknown (05)		TIC				
unknown (06)		TIC				
unknown (07)		TIC				
unknown (08)		TIC				
unknown hydrocarbon (01)		TIC				
unknown hydrocarbon (02)		TIC				
unknown hydrocarbon (03)		TIC				
NA	Tentatively Identified Compounds	TIC Total				

8110690-01

WC1-116 Grab  
11/16/2018 11:30

8110690-02

WC2-116 Grab  
11/16/2018 11:35

8110690-03

WC1-116  
11/16/2018 11:20

8110690-04

WC2-116  
11/16/2018 11:25

0.000227	U	0.000227	0.00182	0.00022	U	0.00022	0.00022	0.00022	0.00176
0.000551	U	0.000551	0.00454	0.000534	U	0.000534	0.000534	0.000534	0.0044
0.000165	U	0.000165	0.00182	0.00016	U	0.00016	0.00016	0.00016	0.00176
0.000335	U	0.000335	0.00182	0.000325	U	0.000325	0.000325	0.000325	0.00176
0.000228	U	0.000228	0.00182	0.000221	U	0.000221	0.000221	0.000221	0.00176
0.000319	U	0.000319	0.00182	0.000309	U	0.000309	0.000309	0.000309	0.00176
0.000524	U	0.000524	0.00182	0.000508	U	0.000508	0.000508	0.000508	0.00176
0.000261	U	0.000261	0.00182	0.000253	U	0.000253	0.000253	0.000253	0.00176
0.000274	U	0.000274	0.00182	0.000265	U	0.000265	0.000265	0.000265	0.00176
0.000264	U	0.000264	0.00182	0.000255	U	0.000255	0.000255	0.000255	0.00176
0.000224	U	0.000224	0.00182	0.000217	U	0.000217	0.000217	0.000217	0.00176
0.00031	U	0.00031	0.00182	0.0003	U	0.0003	0.0003	0.0003	0.00176
0.000305	U	0.000305	0.00182	0.000296	U	0.000296	0.000296	0.000296	0.00176
0.0007	U	0.0007	0.00182	0.000678	U	0.000678	0.000678	0.000678	0.00176
0.000679	U	0.000679	0.00182	0.000651	U	0.000651	0.000651	0.000651	0.00176
0.000323	U	0.000323	0.00182	0.000323	U	0.000323	0.000323	0.000323	0.00176
0.000403	U	0.000403	0.00182	0.00039	U	0.00039	0.00039	0.00039	0.00176
0.000614	U	0.000614	0.00182	0.000594	U	0.000594	0.000594	0.000594	0.00176
0.000246	U	0.000246	0.00182	0.000239	U	0.000239	0.000239	0.000239	0.00176
0.000285	U	0.000285	0.00182	0.000276	U	0.000276	0.000276	0.000276	0.00176
0.000459	U	0.000459	0.00364	0.000445	U	0.000445	0.000445	0.000445	0.0032
0.000241	U	0.000241	0.00182	0.000233	U	0.000233	0.000233	0.000233	0.00176
0.000307	U	0.000307	0.00182	0.000298	U	0.000298	0.000298	0.000298	0.00176
0.000293	U	0.000293	0.00182	0.000284	U	0.000284	0.000284	0.000284	0.00176
0.000546	U	0.000546	0.00182	0.000529	U	0.000529	0.000529	0.000529	0.00176
0.000234	U	0.000234	0.00182	0.000226	U	0.000226	0.000226	0.000226	0.00176
0.00026	U	0.00026	0.00182	0.000252	U	0.000252	0.000252	0.000252	0.00176
0.00382	U	0.00382	0.0182	0.0037	U	0.0037	0.0037	0.0037	0.0176
0.00018	U	0.00018	0.00182	0.000174	U	0.000174	0.000174	0.000174	0.00176
0.000146	U	0.000146	0.00182	0.000142	U	0.000142	0.000142	0.000142	0.00176
0.000234	U	0.000234	0.00182	0.000226	U	0.000226	0.000226	0.000226	0.00176
0.000246	U	0.000246	0.00182	0.000239	U	0.000239	0.000239	0.000239	0.00176
0.000347	U	0.000347	0.00182	0.000336	U	0.000336	0.000336	0.000336	0.00176
0.000267	U	0.000267	0.00182	0.000259	U	0.000259	0.000259	0.000259	0.00176
0.000209	U	0.000209	0.00182	0.000203	U	0.000203	0.000203	0.000203	0.00176
0.000345	U	0.000345	0.00182	0.000335	U	0.000335	0.000335	0.000335	0.00176
0.00739	J								
0.00663	J								
0.00528	J			0.00611	J				
0.00563	J			0.00473	J				
0.00619	J			0.00764	J				
0.00879	J			0.00726	J				
0.00458	J			0.00626	J				
0.00520	J			0.01103	J				
0.00810	J								
0.01106	J								
0.00746	J			0.00536	J				
0.00497	J			0.00816	J				
0.00569	J			0.00651	J				
0.0097	J			0.00523	J				

Qualifiers:

- J - Indicates compound analyzed for but not detected
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- D - Indicates result is based on a dilution
- E - Concentration exceeds highest calibration standard
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Key:

- Reporting Limit exceeds Req Standard
- Value Exceeded One or More of the Criteria
- Detected in Sample
- E Qualified, may require Dilution

Foot Notes:

Work Order 811075  
 Lab: Aqua Pro-Tech Laboratories

Client: Seel Consulting Engineers - Grossingers  
 CAS# Compound Type

NY Soil Cleanup Objectives					
NY Soil Clean-up, Unrestricted Use	NY Soil Clean-up, Residential	NY Soil Clean-up, Restricted Residential	NY Soil Clean-up, Commercial	NY Soil Clean-up, Industrial	NY Soil Clean-up, Protection of Ecological Resources

CAS#	Compound	Type	NY Soil Cleanup Objectives						811075-01			811075-02			811075-03			811075-04								
			Unrestricted	Residential	Restricted Residential	Commercial	Industrial	Ecological	Result	Qualifier	MDL	RL	Result	Qualifier	MDL	RL	Result	Qualifier	MDL	RL	Result	Qualifier	MDL	RL		
<b>General Chemistry (mg/kg)</b>																										
57-125	Cyanide	TRG	27	27	27	27	10000	40	0.326	U	0.326	0.326	U	0.326	0.316	U	0.316	0.316	U	0.316	0.316	U	0.316	0.316	U	0.316
<b>General Chemistry (%)</b>																										
PERCOL	Percent Solids	TRG							76.3	84.9			79.2			80.8										
<b>PCBS (mg/kg)</b>																										
12074-11-2	Aroclor-1016	TRG							0.00771	U	0.00771	0.0433	0.00771	U	0.00771	0.0433	0.00771	U	0.00771	0.0433	0.00771	U	0.00771	0.0433		
11104-28-2	Aroclor-1221	TRG							0.00133	U	0.00133	0.0433	0.00133	U	0.00133	0.0433	0.00133	U	0.00133	0.0433	0.00133	U	0.00133	0.0433		
11141-16-5	Aroclor-1232	TRG							0.00102	U	0.00102	0.0433	0.00102	U	0.00102	0.0433	0.00102	U	0.00102	0.0433	0.00102	U	0.00102	0.0433		
53469-21-9	Aroclor-1242	TRG							0.00147	U	0.00147	0.0433	0.00147	U	0.00147	0.0433	0.00147	U	0.00147	0.0433	0.00147	U	0.00147	0.0433		
12627-29-6	Aroclor-1248	TRG							0.00101	U	0.00101	0.0433	0.00101	U	0.00101	0.0433	0.00101	U	0.00101	0.0433	0.00101	U	0.00101	0.0433		
11097-89-1	Aroclor-1254	TRG							0.00154	U	0.00154	0.0433	0.00154	U	0.00154	0.0433	0.00154	U	0.00154	0.0433	0.00154	U	0.00154	0.0433		
11096-82-5	Aroclor-1262	TRG							0.00114	U	0.00114	0.0433	0.00114	U	0.00114	0.0433	0.00114	U	0.00114	0.0433	0.00114	U	0.00114	0.0433		
37324-23-5	Aroclor-1262	TRG							0.00167	U	0.00167	0.0433	0.00167	U	0.00167	0.0433	0.00167	U	0.00167	0.0433	0.00167	U	0.00167	0.0433		
11100-14-4	Aroclor-1268	TRG							0.000874	U	0.000874	0.0433	0.000874	U	0.000874	0.0433	0.000874	U	0.000874	0.0433	0.000874	U	0.000874	0.0433		
1536-36-3	Total PCBs	TRG	0.1	1	1	1	25	1	3.2	0.00777	U	0.00777	0.0433	0.00777	U	0.00777	0.0433	0.00777	U	0.00777	0.0433	0.00777	U	0.00777	0.0433	
<b>Pesticides (mg/kg)</b>																										
72-54-8	4,4-DDD	TRG	0.0033	2.6	13	82	180	0.0033	14	0.00103	U	0.00103	0.0017	0.00200	U	0.00200	0.00164	0.00200	U	0.00200	0.00164	0.00200	U	0.00200	0.00164	
72-54-8	4,4-DDD [C]	TRG	0.0033	1.8	8.9	62	120	0.0033	17	0.00121	U	0.00121	0.0017	0.000830	U	0.000830	0.00116	0.000830	U	0.000830	0.00116	0.000830	U	0.000830	0.00116	
50-29-3	4,4-DDT	TRG	0.0033	1.7	7.9	47	94	0.0033	136	0.000818	U	0.000818	0.0017	0.000788	U	0.000788	0.00079	0.000788	U	0.000788	0.00079	0.000788	U	0.000788	0.00079	
309-00-2	Aldrin	TRG	0.094	0.91	4.2	24	47	1.3	2.9	0.000659	U	0.000659	0.00066	0.000635	U	0.000635	0.00064	0.000635	U	0.000635	0.00064	0.000635	U	0.000635	0.00064	
319-84-6	alpha-BHC	TRG	0.02	0.097	0.48	3	6.8	0.04	0.2	0.00168	U	0.00168	0.00162	0.00162	U	0.00162	0.00162	0.00162	U	0.00162	0.00162	0.00162	U	0.00162	0.00162	
319-97-7	beta-BHC	TRG	0.036	0.072	0.36	3	14	0.6	0.09	0.00168	U	0.00168	0.00162	0.00162	U	0.00162	0.00162	0.00162	U	0.00162	0.00162	0.00162	U	0.00162	0.00162	
57-74-9	Chlordane	TRG	0.094	0.91	4.2	24	47	1.3	2.9	0.0158	J	0.0158	0.00123	0.00123	U	0.00123	0.00123	0.00123	U	0.00123	0.00123	0.00123	U	0.00123	0.00123	
319-86-8	delta-BHC	TRG	0.036	100	100	500	1000	0.04	0.25	0.00132	U	0.00132	0.00132	0.00132	U	0.00132	0.00132	0.00132	U	0.00132	0.00132	0.00132	U	0.00132	0.00132	
60-57-1	Dieldrin	TRG	0.005	0.039	0.2	1.4	2.8	0.006	0.1	0.00092	U	0.00092	0.00092	0.00092	U	0.00092	0.00092	0.00092	U	0.00092	0.00092	0.00092	U	0.00092	0.00092	
60-57-1	Dieldrin [C]	TRG	0.005	0.039	0.2	1.4	2.8	0.006	0.1	0.00523	J	0.00523	0.00092	0.00092	U	0.00092	0.00092	0.00092	U	0.00092	0.00092	0.00092	U	0.00092	0.00092	
969-86-8	Endosulfan I	TRG	2.4	4.8	24	200	920	102	100	0.00118	U	0.00118	0.00118	0.00118	U	0.00118	0.00114	0.00118	U	0.00118	0.00114	0.00118	U	0.00118	0.00114	
3323-65-9	Endosulfan II	TRG	2.4	4.8	24	200	920	102	100	0.00092	U	0.00092	0.00092	0.00092	U	0.00092	0.00092	0.00092	U	0.00092	0.00092	0.00092	U	0.00092	0.00092	
1031-07-8	Endosulfan sulfate	TRG	2.4	4.8	24	200	920	102	100	0.00092	U	0.00092	0.00092	0.00092	U	0.00092	0.00092	0.00092	U	0.00092	0.00092	0.00092	U	0.00092	0.00092	
72-20-8	Erdrin	TRG	0.014	2.2	11	89	410	0.14	0.38	0.000874	U	0.000874	0.000874	0.000874	U	0.000874	0.00084	0.000874	U	0.000874	0.00084	0.000874	U	0.000874	0.00084	
7421-63-4	Erdrin aldehyde	TRG							0.00027	U	0.00027	0.00027	0.00027	U	0.00027	0.00027	0.00027	U	0.00027	0.00027	0.00027	U	0.00027	0.00027		
53484-70-5	Erdrin ketone	TRG							0.00104	U	0.00104	0.00104	0.00104	U	0.00104	0.00104	0.00104	U	0.00104	0.00104	0.00104	U	0.00104	0.00104		
58-89-9	gamma-BHC (Lindane)	TRG	0.1	0.28	1.3	9.2	23	6	0.1	0.000779	U	0.000779	0.00078	0.00075	U	0.00075	0.00075	0.00075	U	0.00075	0.00075	0.00075	U	0.00075	0.00075	
70-44-8	Heptachlor	TRG	0.042	0.42	2.1	15	29	0.14	0.38	0.00092	U	0.00092	0.00092	0.00092	U	0.00092	0.00092	0.00092	U	0.00092	0.00092	0.00092	U	0.00092	0.00092	
1024-57-3	Heptachlor Epoxide	TRG							0.00107	U	0.00107	0.00107	0.00107	U	0.00107	0.00103	0.00107	U	0.00107	0.00103	0.00107	U	0.00107	0.00103		
72-43-5	Methoxychlor	TRG							0.00108	U	0.00108	0.00108	0.00108	U	0.00108	0.00104	0.00108	U	0.00108	0.00104	0.00108	U	0.00108	0.00104		
8001-35-2	Toxaphene	TRG							0.0296	U	0.0296	0.0296	0.0296	U	0.0296	0.0296	0.0296	U	0.0296	0.0296	0.0296	U	0.0296	0.0296		
<b>Semi-volatile Organics - GC/MS (mg/kg)</b>																										
90-12-0	1-Methylnaphthalene	TRG							0.145	U	0.145	3.93	0.14	U	0.14	3.79	0.14	U	0.14	3.79	0.14	U	0.14	3.79		
58-90-2	2,3,6-Tetrachlorophenol	TRG							0.0269	U	0.0269	0.174	0.0269	U	0.0269	0.174	0.0269	U	0.0269	0.174	0.0269	U	0.0269	0.174		
95-95-4	2,4,5-Trichlorophenol	TRG							0.0237	U	0.0237	0.174	0.0237	U	0.0237	0.174	0.0237	U	0.0237	0.174	0.0237	U	0.0237	0.174		
88-06-2	2,4,6-Trichlorophenol	TRG							0.0109	U	0.0109	0.174	0.0109	U	0.0109	0.174	0.0109	U	0.0109	0.174	0.0109	U	0.0109	0.174		
109-83-2	2,4-Dichlorophenol	TRG							0.0172	U	0.0172	0.174	0.0172	U	0.0172	0.174	0.0172	U	0.0172	0.174	0.0172	U	0.0172	0.174		
105-67-9	2,4-Dimethylphenol	TRG							0.0252	U	0.0252	0.874	0.0252	U	0.0252	0.874	0.0252	U	0.0252	0.874	0.0252	U	0.0252	0.874		
151-14-2	2,4-Dinitrophenol	TRG							0.0196	U	0.0196	0.174	0.0196	U	0.0196	0.174	0.0196	U	0.0196	0.174	0.0196	U	0.0196	0.174		
606-20-2	2,6-Dinitrotoluene	TRG							0.0417	U	0.0417	0.174	0.0417	U	0.0417	0.174	0.0417	U	0.0417	0.174	0.0417	U	0.0417	0.174		
91-58-7	2-Chloronaphthalene	TRG							0.0201	U	0.0201	0.174	0.0201	U	0.0201	0.174	0.0201	U	0.0201	0.174	0.0201	U	0.0201	0.174		
95-57-8	2-Chlorophenol	TRG							0.0231	U	0.0231	0.174	0.0231	U	0.0231	0.174	0.0231	U	0.0231	0.174	0.0231	U	0.0231	0.174		
91-57-6	2-Methylnaphthalene	TRG							0.0624	J	0.0624	0.174	0.0624	J	0.0624	0.174	0.0624	J	0.0624	0.174	0.0624	J	0.0624	0.174		
95-48-7	2-Methylphenol	TRG	0.33	100	100	500	1000	0.33	0.0345	U	0.0345	0.174	0.0345	U	0.0345	0.174	0.0345	U	0.0345	0.174	0.0345	U	0.0345	0.174		
98-74-4	2-Nitrophenol	TRG							0.0194	U	0.0194	0.174	0.0194	U	0.0194	0.174	0.0194	U	0.0194	0.174	0.0194	U	0.0194	0.174		
88-75-5	2-Nitrophenol	TRG							0.0194	U	0.0194	0.174	0.0194	U	0.0194	0.174	0.0194	U	0.0194	0.174	0.0194	U	0.0194	0.174		
91-94-1	3,3-Dichlorobenzidine	TRG							0.0184																	



Work Order 8111075  
 Lab: Aqua Pro-Tech Laboratories

Client: Sesi Consulting Engineers - Grossingers  
 CAS# Compound Type

NY Soil Cleanup Objectives						
NY Soil Clean-up, Unrestricted Use	NY Soil Clean-up, Residential	NY Soil Clean-up, Restricted Residential	NY Soil Clean-up, Commercial	NY Soil Clean-up, Industrial	NY Soil Clean-up, Protection of Ecological Resources	NY Soil Clean-up, Protection of Groundwater
74-87-3						
155-59-2						
10061-01-5						
110-82-7						
75-71-8						
100-41-4						
98-82-8						
179601-23-1						
1634-04-4						
109-87-2						
75-09-2						
95-47-6						
100-42-5						
75-65-0						
127-18-4						
109-88-3						
1330-20-7						
156-60-5						
10061-02-6						
79-01-6						
75-69-4						
75-01-4						
NA						

8111075-01

WC1-1128  
 11/28/2018 16:30

8111075-02

WC1-1128 Grab  
 11/28/2018 16:20

8111075-03

WC2-1128  
 11/28/2018 16:35

8111075-04

WC2-1128 Grab  
 11/28/2018 16:25

0.00084	U	0.00084	0.00218	0.000836	U	0.00084	0.00217
0.000106	U	0.00011	0.00218	0.000105	U	0.00011	0.00217
0.000276	U	0.00028	0.00218	0.000275	U	0.00028	0.00217
0.000483	U	0.00048	0.00218	0.000481	U	0.00048	0.00217
0.000737	U	0.00074	0.00218	0.000733	U	0.00073	0.00217
0.000296	U	0.0003	0.00218	0.000294	U	0.00029	0.00217
0.000343	U	0.00034	0.00218	0.000341	U	0.00034	0.00217
0.00051	U	0.00055	0.00436	0.000548	U	0.00055	0.00434
0.000289	U	0.00029	0.00218	0.000288	U	0.00029	0.00217
0.000369	U	0.00037	0.00218	0.000367	U	0.00037	0.00217
0.000351	U	0.00035	0.00218	0.00035	U	0.00035	0.00217
0.000656	U	0.00066	0.00218	0.000652	U	0.00065	0.00217
0.00028	U	0.00028	0.00218	0.000279	U	0.00028	0.00217
0.000312	U	0.00031	0.00218	0.00031	U	0.00031	0.00217
0.00458	U	0.00458	0.0218	0.00456	U	0.00456	0.0217
0.000216	U	0.00022	0.00218	0.000215	U	0.00022	0.00217
0.000176	U	0.00018	0.00218	0.000175	U	0.00018	0.00217
0.00028	U	0.00028	0.00218	0.000279	U	0.00028	0.00217
0.000296	U	0.0003	0.00218	0.000294	U	0.00029	0.00217
0.000417	U	0.00042	0.00218	0.000415	U	0.00042	0.00217
0.000321	U	0.00032	0.00218	0.000319	U	0.00032	0.00217
0.000251	U	0.00025	0.00218	0.00025	U	0.00025	0.00217
0.000415	U	0.00042	0.00218	0.000413	U	0.00041	0.00217
0	J			0	J		

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