ATTACHMENT 1

ANALYTICAL RESULTS

CLAY STOCKPILE AT 5630 RIVER ROAD

Analytical Parameter	Location ID: / Sample ID: / Sample Date: / UNITS	Soil Cleaup Objectives(1)	CLAY 1 / Clay 1_02042019 / 2/4/2019	CLAY 2 / Clay 2_02042020 / 2/4/2019	CLAY 3 / Clay 3_02042021 / 2/4/2019	CLAY 4 / Clay 4_02042022 / 2/4/2019
Volatile Organic Compounds - TOTAL						
1,1,1-Trichloroethane	mg/kg	0.68	4.2 U	4.9 U	4.5 U	4.7 U
1,1-Dichloroethane	mg/kg	0.27	4.2 U	0.0049 U	0.0045 U	0.0047 U
1,1-Dichloroethene	mg/kg	0.33	0.0042 U	0.0049 U	0.0045 U	0.0047 U
1,2,4-Trimethylbenzene	mg/kg	3.6	0.0042 U	0.0049 U	0.0045 U	0.0047 U
1,3,5-Trimethylbenzene	mg/kg	8.4	0.0042 U	0.0049 U	0.0045 U	0.0047 U
1,2-Dichlorobenzene	mg/kg	1.1	0.0042 U	0.0049 U	0.0045 U	0.0047 U
1,2-Dichloroethane	mg/kg	0.02	0.0042 U	0.0049 U	0.0045 U	0.0047 U
1,3-Dichlorobenzene	mg/kg	2.4	0.0042 U	0.0049 U	0.0045 U	0.0047 U
1,4-Dichlorobenzene	mg/kg	1.8	0.0042 U	0.0049 U	0.0045 U	0.0047 U
1,4-Dioxane	mg/kg	0.1	0.087 U	0.097 U	0.089 U	0.094 U
2-Butanone (MEK)	mg/kg	0.12	0.021 U	0.024 U	0.022 U	0.023 U
Acetone	mg/kg	0.05	**0.0087 J**	**0.12**	0.022 U	0.023 U
Benzene	mg/kg	0.06	0.0042 U	0.0049 U	0.0045 U	0.0047 U
Butylbenzene	mg/kg	12	0.0042 U	0.0049 U	0.0045 U	0.0047 U
sec-butyl benzene	mg/kg	11	0.0042 U	0.0049 U	0.0045 U	0.0047 U
tert-butylbenzene	mg/kg	5.9	0.0042 U	0.0049 U	0.0045 U	0.0047 U
Carbon tetrachloride	mg/kg	0.76	0.0042 U	0.0049 U	0.0045 U	0.0047 U
Chlorobenzene	mg/kg	1.1	0.0042 U	0.0049 U	0.0045 U	0.0047 U
Chloroform	mg/kg	0.37	0.0042 U	0.0049 U	0.0045 U	**0.30 J**
cis-1,2-Dichloroethene	mg/kg	0.25	0.0042 U	0.0049 U	0.0045 U	0.0047 U
Ethylbenzene	mg/kg	1	0.0042 U	0.0049 U	0.0045 U	0.0047 U
Methyl tert-butyl ether	mg/kg	0.93	0.0042 U	0.0049 U	0.0045 U	0.0047 U
Methylene Chloride	mg/kg	0.05	0.0042 U	0.0049 U	0.0045 U	0.0047 U
propylbenzene-n	mg/kg	3.9	0.0042 U	0.0049 U	0.0045 U	0.0047 U
Tetrachloroethene	mg/kg	1.3	0.0042 U	0.0049 U	0.0045 U	0.0047 U
Toluene	mg/kg	0.7	0.0042 U	0.0049 U	0.0045 U	0.0047 U
trans-1,2-Dichloroethene	mg/kg	0.19	0.0042 U	0.0049 U	0.0045 U	0.0047 U
Trichloroethene	mg/kg	0.47	0.0042 U	0.0049 U	0.0045 U	0.0047 U
Vinyl chloride	mg/kg	0.02	0.0042 U	0.0049 U	0.0045 U	0.0047 U
Xylenes, Total	mg/kg	1.6	0.0084 U	0.0097 U	0.0089 U	0.0094 U
Semivolatile Organic Compounds - TOTAL						
Acenaphthene	mg/kg	98	2.0 U	0.2 U		
Acenaphthylene	mg/kg	107	2.0 U	0.2 U		
Anthracene	mg/kg	500	2.0 U	0.2 U		
Benzo[a]anthracene	mg/kg	1	**0.30 J**	0.2 U		
Benzo[a]pyrene	mg/kg	1	**0.33 J**	0.2 U		
Benzo[b]fluoranthene	mg/kg	1.7	**0.34 J**	0.2 U		
Benzo[g,h,i]perylene	mg/kg	500	**0.28 J**	0.2 U		
Benzo[k]fluoranthene	mg/kg	1.7	2.0 U	0.2 U		
Chrysene	mg/kg	1	2.0 U	0.2 U		
Dibenz(a,h)anthracene	mg/kg	0.56	2.0 U	0.2 U		
Dibenzofuran	mg/kg	210	2.0 U	0.2 U		
Fluoranthene	mg/kg	500	**0.54 J**	0.2 U		
Fluorene	mg/kg	386	2.0 U	0.2 U		
Hexachlorobenzene	mg/kg	5.6	2.0 U	0.2 U		
m-Cresol	mg/kg	0.33	2.0 U	0.2 U		
o-Cresol	mg/kg	0.33	3.9 U	0.39 U		
p-Cresol	mg/kg	0.33	3.9 U	0.39 U		
Indeno(1,2,3-cd)pyrene	mg/kg	5.6	2.0 U	0.2 U		
Naphthalene	mg/kg	12	2.0 U	0.2 U		
Pentachlorophenol	mg/kg	0.8	3.9 U	0.39 U		
Phenanthrene	mg/kg	500	2.0 U	0.2 U		
Phenol	mg/kg	0.33	2.0 U	0.2 U		
Pyrene	mg/kg	500	**0.44 J**	0.2 U		
Organochlorine Pesticides - TOTAL						
4,4'-DDD	mg/kg	17	0.099 U F1	0.2 U		
4,4'-DDE	mg/kg	47	0.099 U	0.2 U		
4,4'-DDT	mg/kg	17	0.099 U	0.2 U		
Aldrin	mg/kg	0.19	0.099 U	0.2 U		
alpha-BHC	mg/kg	0.02	0.099 U F1	0.2 U		
beta-BHC	mg/kg	0.09	0.099 U F1	0.2 U		
delta-BHC	mg/kg	0.25	0.099 U F1	0.2 U		
gamma-BHC (Lindane)	mg/kg	0.1	0.099 U F1	0.2 U		
alpha-Chlordane	mg/kg	2.9	0.099 U	0.2 U		
Dieldrin	mg/kg	0.1	0.099 U	0.2 U		
Endosulfan I	mg/kg	102	0.099 U F1	0.2 U		
Endosulfan II	mg/kg	102	0.099 U F1	0.2 U		
Endosulfan sulfate	mg/kg	200	0.099 U F1	0.2 U		
Endrin	mg/kg	0.06	0.099 U F1	0.2 U		
Heptachlor	mg/kg	0.38	0.099 U	0.2 U		
PCBs - TOTAL						
PCB-1016	mg/Kg	1	0.25 U	0.23 U		
PCB-1221	mg/Kg	1	0.25 U	0.23 U		
PCB-1232	mg/Kg	1	0.25 U	0.23 U		
PCB-1242	mg/Kg	1	0.25 U	0.23 U		
PCB-1248	mg/Kg	1	0.25 U	0.23 U		
PCB-1254	mg/Kg	1	0.25 U	0.23 U		
PCB-1260	mg/Kg	1	0.25 U	0.23 U		
INORGANICS - TOTAL						
Arsenic	mg/kg	16	**2.0 J**	**4.3**		
Barium	mg/kg	400	**46.9**	**96.5**		
Beryllium	mg/kg	47	**0.36**	**0.73**		
Cadmium	mg/kg	7.5	**0.27**	**0.38**		
Chromium, hexavalent	mg/kg	19	2.4 U	2.4 U		
Copper	mg/kg	270	**9.4**	**17.6**		
Chromium (III)	mg/kg	1500	**8.9**	**20.8**		
Lead	mg/kg	450	**16.0**	**16.4**		
Manganese	mg/kg	2000	**324 B**	**450 B**		
Mercury	mg/kg	0.73	**0.026**	**0.017 J**		
Nickel	mg/kg	130	**9.7**	**26.2**		
Selenium	mg/kg	4	4.9 U	4.7 U		
Silver	mg/kg	8.3	0.73 U	0.71 U		
Zinc	mg/kg	2480	**57.0**	**97.9**		
Cyanide	mg/kg	27	1.2 U	**0.83 J**		

Notes:

B : Cpmpund was found in the blank and sample

F1 : MS and/or MSD recovery is outside of acceptance limits

J : Results is an approximate value

U : The analyte was analyzed for but not detected

mg/kg : milligram per kilogram

BOLD : parameter detected

(1) : Soil Cleanup Objectives are based on NYSDEC DER-10 Appendix 5 - Allowable Constituent Levels for Imported Fill or Soil - Industrial Use

HIGHLIGHT : Value exceeds the SCO