

DRAFT
TABLE 1
SUMMARY OF SOIL ANALYTICAL RESULTS
531-553 East 132nd Street
Bronx, New York

Sample ID: Laboratory Sample Number: Sample Date: Sample Depth/VOC Sample Depth (ft bgs): Units:	CAS Number	NYSDEC Subpart 375-6 Remedial Program Soil Cleanup Objectives					001/LB-1	002/LB-2	003/DUP-1 (LB-2)	004/LB-3	005/LB-4	007/LB-5	006/LB-6	009/LB-7	008/LB-8		
Unrestricted Use		Protection of Public Health - Restricted Use SCOs				19D1045-01	19D1045-02	19D1045-03	19D1045-04	19D1045-05	19D1045-07	19D1045-06	19D1045-09	19D1045-08			
		Residential	Restricted-Residential	Commercial	Industrial	2.5-4.5 (3-3.5)	4/20/2019	2-4 (3-3.5)	4/20/2019	2-4 (3-3.5)	1.5-3.5 (2.5-3)	5-7 (5.5-6)	5-7 (5.5-6)	8-10 (9-9.5)	11-13 (11.5-12)		
						mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	
<i>Volatile Organics, NJDEP/TCL/Part 375 List</i>																	
1,1,1,2-Tetrachloroethane	630-20-6	—	—	—	—	—	0.0024	U	0.0028	U	0.0026	U	0.002	U	0.0022	U	
1,1,1-Trichloroethane	71-55-6	0.68	100	100	500	1,000	0.0024	U	0.0028	U	0.0026	U	0.002	U	0.0022	U	
1,1,2,2-Tetrachloroethane	79-34-5	—	35	—	—	—	0.0024	U	0.0028	U	0.0026	U	0.002	U	0.0022	U	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	76-13-1	—	100	—	—	—	0.0024	U	0.0028	U	0.0026	U	0.002	U	0.0022	U	
1,1,2-Trichloroethane	79-00-5	—	—	—	—	—	0.0024	U	0.0028	U	0.0026	U	0.002	U	0.0022	U	
1,1-Dichloroethane	75-34-3	0.27	19	26	240	480	0.0024	U	0.0028	U	0.0026	U	0.002	U	0.0022	U	
1,1-Dichloroethylene	75-35-4	0.33	100	100	500	1,000	0.0024	U	0.0028	U	0.0026	U	0.002	U	0.0022	U	
1,1-Dichloropropylene	563-58-6	—	—	—	—	—	0.0024	U	0.0028	U	0.0026	U	0.002	U	0.0022	U	
1,2,3-Trichlorobenzene	87-61-6	—	—	—	—	—	0.0024	U	0.0028	U	0.0026	U	0.002	U	0.0022	U	
1,2,3-Trichloropropane	96-18-4	—	80	—	—	—	0.0024	U	0.0028	U	0.0026	U	0.039	U	0.0023	U	
1,2,4-Trichlorobenzene	120-82-1	—	—	—	—	—	0.0024	U	0.0028	U	0.0026	U	0.002	U	0.0023	U	
1,2,4-Trimethylbenzene	95-63-6	3.6	47	52	190	380	0.0024	U	0.0028	U	0.0026	U	0.002	U	0.0023	U	
1,2-Dibromo-3-chloropropane	96-12-8	—	—	—	—	—	0.0024	U	0.0028	U	0.0026	U	0.002	U	0.0023	U	
1,2-Dibromoethane	106-93-4	—	—	—	—	—	0.0024	U	0.0028	U	0.0026	U	0.002	U	0.0023	U	
1,2-Dichlorobenzene	95-50-1	1.1	100	100	500	1,000	0.0024	U	0.0028	U	0.0026	U	0.002	U	0.0023	U	
1,2-Dichloroethane	107-06-2	0.02	2.3	3.1	30	60	0.0024	U	0.0028	U	0.0026	U	0.002	U	0.0023	U	
1,2-Dichloropropane	78-87-5	—	—	—	—	—	0.0024	U	0.0028	U	0.0026	U	0.002	U	0.0023	U	
1,3,5-Trimethylbenzene	108-67-8	8.4	47	52	190	380	0.0024	U	0.0028	U	0.0026	U	0.002	U	0.0023	U	
1,3-Dichlorobenzene	541-73-1	2.4	17	49	280	560	0.0024	U	0.0028	U	0.0026	U	0.002	U	0.0023	U	
1,3-Dichloropropane	142-28-9	—	—	—	—	—	0.0024	U	0.0028	U	0.0026	U	0.002	U	0.0023	U	
1,4-Dichlorobenzene	106-46-7	1.8	9.8	13	130	250	0.0024	U	0.0028	U	0.0026	U	0.002	U	0.0023	U	
1,4-Dioxane	123-91-1	0.1	9.8	13	130	250	0.048	U	0.056	U	0.052	U	0.039	U	0.046	U	
2,2-Dichloropropane	594-20-7	—	—	—	—	—	0.0024	U	0.0028	U	0.0026	U	0.002	U	0.0023	U	
2-Butanone	78-93-3	0.12	100	100	500	1,000	0.0024	U	0.0028	U	0.0026	U	0.002	U	0.0023	U	
2-Chlorotoluene	95-49-8	—	—	—	—	—	0.0024	U	0.0028	U	0.0026	U	0.002	U	0.0023	U	
2-Hexanone	591-78-6	—	—	—	—	—	0.0024	U	0.0028	U	0.0026	U	0.002	U	0.0023	U	
4-Chlorotoluene	106-43-4	—	—	—	—	—	0.0024	U	0.0028	U	0.0026	U	0.002	U	0.0023	U	
4-Methyl-2-pentanone	108-10-1	—	—	—	—	—	0.0024	U	0.0028	U	0.0026	U	0.002	U	0.0023	U	
Acetone	67-64-1	0.05	100	100	500	1,000	0.057		0.0056	U	0.04	0.0091	0.017	0.03	0.036		
Acrolein	107-02-8	—	—	—	—	—	0.0048	U	0.0056	U	0.0052	U	0.0039	U	0.0046	U	
Acrylonitrile	107-13-1	—	—	—	—	—	0.0024	U	0.0028	U	0.0026	U	0.002	U	0.0023	U	
Benzene	71-43-2	0.06	2.9	4.8	44	89	0.0024	U	0.0028	U	0.0026	U	0.002	U	0.0023	U	
Bromobenzene	108-86-1	—	—	—	—	—	0.0024	U	0.0028	U	0.0026	U	0.002	U	0.0023	U	
Bromochloromethane	74-97-5	—	—	—	—	—	0.0024	U	0.0028	U	0.0026	U	0.002	U	0.0023	U	
Bromodichloromethane	75-27-4	—	—	—	—	—	0.0024	U	0.0028	U	0.0026	U	0.002	U	0.0023	U	
Bromoform	75-25-2	—	—	—	—	—	0.0024	U	0.0028	U	0.0026	U	0.002	U	0.0023	U	
Bromomethane	74-83-9	—	—	—	—	—	0.0024	U	0.0028	U	0.0026	U	0.002	U	0.0023	U	
Carbon disulfide	75-15-0	—	100	—	—	—	0.0024	U	0.0028	U	0.0026	U	0.002	U	0.0023	U	
Carbon tetrachloride	56-23-5	0.76	1.4	2.4	22	44	0.0024	U	0.0028	U	0.0026	U	0.002	U	0.0023	U	
Chlorobenzene	108-90-7	1.1	100	100	500	1,000	0.0024	U	0.0028	U	0.0026	U	0.002	U	0.0023	U	
Chloroethane	75-00-3	—	—	—	—	—	0.0024	U	0.0028	U	0.0026	U	0.002	U	0.0023	U	
Chloroform	67-66-3	0.37	10	49	350	700	0.0024	U	0.0028	U	0.0026	U	0.002	U	0.0023	U	
Chloromethane	74-87-3	—	—	—	—	—	0.0024	U	0.0028	U	0.0026	U	0.002	U	0.0023	U	
cis-1,2-Dichloroethylene	156-59-2	0.25	59	100	500	1,000	0.0024	U	0.0028	U	0.0026	U	0.002	U	0.0023	U	
cis-1,3-Dichloropropylene	10061-01-5	—	—	—	—	—	0.0024	U	0.0028	U	0.0026	U	0.002	U	0.0023	U	
Cyclohexane	110-82-7	—	—	—	—	—	0.0024	U	0.0028	U	0.0026	U	0.1	0.0023	U	0.0022	U
Dibromochloromethane	124-48-1	—	—	—	—	—	0.0024	U	0.0028	U	0.0026	U	0.002	U	0.0023	U	
Dibromomethane	74-95-3	—	—	—	—	—	0.0024	U	0.0028	U	0.0026	U	0.002	U	0.0023	U	
Dichlorodifluoromethane	75-71-8	—	—	—	—	—	0.0024	U	0.0028	U	0.0026	U	0.002	U	0.0023	U	
Ethyl Benzene	100-41-4	1	30	41	390	780	0.0024	U	0.0028	U	0.0026	U	0.002	U	0.0023	U	
Hexachlorobutadiene	87-68-3	—	—	—	—	—	0.0024	U	0.0028	U	0.0026	U	0.002	U	0.0023	U	
Isopropylbenzene	98-82-8	—	100	—	—	—	0.0024	U	0.0028	U	0.0026	U	0.06	0.0023	U	0.0022	U
Methyl acetate	79-20-9	—	—	—	—	—	0.0024	U	0.0028	U	0.0026	U	0.002	U	0.0023	U	
Methyl tert-butyl ether (MTBE)	1634-04-4	0.93	62	100	500	1,000	0.0024	U	0.0028	U	0.0026	U	0.002	U	0.0023	U	
Methylcyclohexane	108-97-2	—	—	—	—	—	0.0024	U	0.0028	U	0.0026	U	0.04	0.0023	U	0.0022	U
Methylene chloride	75-09-2	0.05	51	100	500	1,000	0.0065	J	0.0056	U	0.0052	U	0.0039	U	0.0092	0.0044	U
n-Butylbenzene	104-51-8	12	100	100	500	1,000	0.0024	U	0.0028	U	0.0026	U	0.06	0.0023	U	0.0022	U
n-Propylbenzene	103-65-1	3.9	100	100	500	1,000	0.0024	U	0.0028	U	0.0026	U	0.094	0.0023	U	0.0022	U
o-Xylene	95-47-6	0.26	100	100	500	1,000	0.0024	U	0.0028	U	0.0026	U	0.002	U	0.0023	U	
p- & m- Xylenes	179601-23-1	0.26	100	100	500	1,000	0										

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Unrestricted Use		Protection of Public Health - Restricted Use SCOs				19D1045-01	19D1045-02	19D1045-03	19D1045-04	19D1045-05	19D1045-07	19D1045-06	19D1045-09	19D1045-08						
		Residential	Restricted-Residential	Commercial	Industrial	2.5-4.5 (3-3.5)	2-4 (3-3.5)	2-4 (3-3.5)	2-4 (3-3.5)	1.5-3.5 (2.5-3)	5-7 (5.5-6)	5-7 (5.5-6)	8-10 (9-9.5)	11-13 (11.5-12)						
		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	Q	Q	Q	Q	Q	Q	Q	Q	Q					
Semi-Volatiles, NJDEP/TCL/Part 375 List																				
1,1'-Biphenyl	92-52-4	—	—	—	—	0.0517	U	0.0548	U	0.0561	U	0.0495	U	0.0474	U	0.0487	U	0.0494	U	
1,2,4,5-Tetrachlorobenzene	95-94-3	—	—	—	—	0.103	U	0.109	U	0.112	U	0.0988	U	0.0946	U	0.0971	U	0.0961	U	
1,2-Diphenylhydrazine (as Azobenzene)	122-66-7	—	—	—	—	0.0517	U	0.0548	U	0.0561	U	0.0495	U	0.0474	U	0.0487	U	0.0482	U	
2,3,4,6-Tetrachlorophenol	58-90-2	—	—	—	—	0.103	U	0.109	U	0.112	U	0.0988	U	0.0946	U	0.0971	U	0.0941	U	
2,4,5-Trichlorophenol	95-95-4	—	100	—	—	0.0517	U	0.0548	U	0.0561	U	0.0495	U	0.0474	U	0.0487	U	0.0472	U	
2,4,6-Trichlorophenol	88-06-2	—	—	—	—	0.0517	U	0.0548	U	0.0561	U	0.0495	U	0.0474	U	0.0487	U	0.0472	U	
2,4-Dichlorophenol	120-83-2	—	100	—	—	0.0517	U	0.0548	U	0.0561	U	0.0495	U	0.0474	U	0.0487	U	0.0472	U	
2,4-Dimethylphenol	105-67-9	—	—	—	—	0.0517	U	0.0548	U	0.0561	U	0.0495	U	0.0474	U	0.0487	U	0.0472	U	
2,4-Dinitrophenol	51-28-5	—	100	—	—	0.103	U	0.109	U	0.112	U	0.0988	U	0.0946	U	0.0971	U	0.0941	U	
2,4-Dinitrotoluene	121-14-2	—	—	—	—	0.0517	U	0.0548	U	0.0561	U	0.0495	U	0.0474	U	0.0487	U	0.0472	U	
2,6-Dinitrotoluene	606-20-2	—	1.03	—	—	0.0517	U	0.0548	U	0.0561	U	0.0495	U	0.0474	U	0.0487	U	0.0472	U	
2-Chloronaphthalene	91-58-7	—	—	—	—	0.0517	U	0.0548	U	0.0561	U	0.0495	U	0.0474	U	0.0487	U	0.0472	U	
2-Chlorophenol	95-57-8	—	100	—	—	0.0517	U	0.0548	U	0.0561	U	0.0495	U	0.0474	U	0.0487	U	0.0472	U	
2-Methylnaphthalene	91-57-6	—	0.41	—	—	0.0517	U	0.118	D	0.0561	U	0.0495	U	0.0474	U	0.0487	U	0.0472	U	
2-Methylphenol	95-48-7	0.33	100	100	500	1,000	0.0517	U	0.0548	U	0.0561	U	0.0495	U	0.0474	U	0.0487	U	0.0472	U
2-Nitroaniline	88-74-4	—	—	—	—	0.103	U	0.109	U	0.112	U	0.0988	U	0.0946	U	0.0971	U	0.0941	U	
2-Nitrophenol	88-75-5	—	—	—	—	0.0517	U	0.0548	U	0.0561	U	0.0495	U	0.0474	U	0.0487	U	0.0472	U	
3- & 4-Methylphenols	65794-96-9	330	34,000	100,000	500,000	1,000,000	0.0517	U	0.0548	U	0.0561	U	0.0495	U	0.0474	U	0.0487	U	0.0472	U
3,3'-Dichlorobenzidine	91-94-1	—	—	—	—	0.0517	U	0.0548	U	0.0561	U	0.0495	U	0.0474	U	0.0487	U	0.0472	U	
3-Nitroaniline	99-09-2	—	—	—	—	0.103	U	0.109	U	0.112	U	0.0988	U	0.0946	U	0.0971	U	0.0941	U	
4-Chloroaniline	106-47-8	—	100	—	—	0.0517	U	0.0548	U	0.0561	U	0.0495	U	0.0474	U	0.0487	U	0.0472	U	
4,6-Dinitro-2-methylphenol	534-52-1	—	—	—	—	0.103	U	0.109	U	0.112	U	0.0988	U	0.0946	U	0.0971	U	0.0941	U	
4-Bromophenyl phenyl ether	101-55-3	—	—	—	—	0.0517	U	0.0548	U	0.0561	U	0.0495	U	0.0474	U	0.0487	U	0.0472	U	
4-Chlorophenyl phenyl ether	7005-72-3	—	—	—	—	0.0517	U	0.0548	U	0.0561	U	0.0495	U	0.0474	U	0.0487	U	0.0472	U	
4-Chloro-3-methylphenol	59-50-7	—	—	—	—	0.0517	U	0.0548	U	0.0561	U	0.0495	U	0.0474	U	0.0487	U	0.0472	U	
4-Nitroaniline	100-01-6	—	—	—	—	0.103	U	0.109	U	0.112	U	0.0988	U	0.0946	U	0.0971	U	0.0941	U	
4-Nitrophenol	100-02-7	—	—	—	—	0.103	U	0.109	U	0.112	U	0.0988	U	0.0946	U	0.0971	U	0.0941	U	
Acenaphthene	83-32-9	20	100	100	500	1,000	0.0517	U	0.322	D	0.0903	JD	0.0797	JD	0.0474	U	0.0487	U	0.0472	U
Acenaphthylene	208-96-8	100	100	100	500	1,000	0.57	D	0.811	D	0.427	D	0.0979	JD	0.0474	U	0.0487	U	0.0472	U
Acetophenone	98-86-2	—	—	—	—	0.0517	U	0.0548	U	0.0561	U	0.0495	U	0.0474	U	0.0487	U	0.0472	U	
Aniline	62-53-3	—	48	100	500	1,000	0.206	U	0.219	U	0.224	U	0.198	U	0.189	U	0.194	U	0.188	U
Anthracene	120-12-7	100	100	100	500	1,000	0.323	D	1.27	D	0.41	D	0.276	D	0.0824	JD	0.0487	U	0.0472	U
Atrazine	1912-24-9	—	—	—	—	0.0517	U	0.0548	U	0.0561	U	0.0495	U	0.0474	U	0.0487	U	0.0472	U	
Benzaldehyde	100-52-7	—	—	—	—	0.0517	U	0.0548	U	0.0561	U	0.0495	U	0.0474	U	0.0487	U	0.0472	U	
Benidine	92-87-5	—	—	—	—	0.206	U	0.219	U	0.224	U	0.198	U	0.189	U	0.194	U	0.188	U	
Benzo(a)anthracene	56-55-3	1	1	1	5.6	11	1.81	D	4.47	D	1.45	D	1.07	D	0.308	D	0.0487	U	0.101	D
Benzo(a)pyrene	50-32-8	1	1	1	1	1.1	2.02	D	4.54	D	1.45	D	1.3	D	0.343	D	0.0487	U	0.144	D
Benzo(b)fluoranthene	205-99-2	1	1	1	5.6	11	2.13	D	3.42	D	1.18	D	0.843	D	0.261	D	0.0487	U	0.121	D
Benzo(g,h,i)perylene	191-24-2	100	100	100	500	1,000	1.29	D	2.89	D	0.926	D	0.707	D	0.219	D	0.0487	U	0.097	D
Benzo(k)fluoranthene	207-08-9	0.8	1	3.9	56	110	1.86	D	3.25	D	1.07	D	0.818	D	0.229	D	0.0487	U	0.102	D
Benzoic acid	65-85-0	—	100	—	—	0.0517	U	0.0548	U	0.0561	U	0.0495	U	0.0474	U	0.0487	U	0.0472	U	
Benzyl alcohol	100-51-6	—	—	—	—	0.0517	U	0.0548	U	0.0561	U	0.0495	U	0.0474	U	0.0487	U	0.0472	U	
Benzyl butyl phthalate	85-68-7	—	100	—	—	0.0517	U	0.0548	U	0.0561	U	0.0495	U	0.0474	U	0.0487	U	0.0472	U	
Bis(2-chloroethoxy)methane	111-91-1	—	—	—	—	0.0517	U	0.0548	U	0.0561	U	0.0495	U	0.0474	U	0.0487	U	0.0472	U	
Bis(2-chloroethyl)ether	111-44-4	—	—	—	—	0.0517	U	0.0548	U	0.0561	U	0.0495	U	0.0474	U	0.0487	U	0.0472	U	
Bis(2-chloroisopropyl)ether	108-60-1	—	—	—	—	0.0517	U	0.0548	U	0.0561	U	0.0495	U	0.0474	U	0.0487	U	0.0472	U	
Bis(2-ethylhexyl)phthalate	117-81-7	—	50	—	—	0.0593	JD	0.07	JD	0.14	D	0.0495	U	0.0474	U	0.0487	U	0.0472	U	
Caprolactam	105-60-2	—	—	—	—	0.103	U	0.109	U	0.112	U	0.0988	U	0.0946	U	0.0971	U	0.0941	U	
Carbazole	86-74-8	—	—	—	—	0.254	D	0.442	D	0.141	D	0.0592	JD	0.0474	U	0.0487	U	0.0472	U	
Chrysene	218-01-9	1	1	3.9	56	110	2.16	D	5	D	1.58	D	1.1	D	0.305	D	0.0487	U	0.102	D
Dibenzo(a,h)anthracene	53-70-3	0.33	0.33	0.33	0.56	1.1	0.498	D	1.13	D	0.344	D	0.239	D	0.0786	JD	0.0487	U	0.0472	U
Dibenzofuran	132-64-9	7	14	59	350	1,000	0.124	D	0.219	D	0.0832	JD	0.0495	U	0.0474	U	0.0487	U	0.0472	U
Diethyl phthalate	84-66-2	—	100	—	—	0.0517	U	0.0548	U	0.0561	U	0.0495	U	0.0474	U	0.0487	U	0.0472	U	
Dimethyl phthalate	131-11-3	—	100	—	—	0														

DRAFT
TABLE 1
SUMMARY OF SOIL ANALYTICAL RESULTS
531-553 East 132nd Street
Bronx, New York

Sample ID: Laboratory Sample Number: Sample Date: Sample Depth/VOC Sample Depth (ft bgs): Units:	CAS Number	NYSDEC Subpart 375-6 Remedial Program Soil Cleanup Objectives					001/LB-1	002/LB-2	003/DUP-1 (LB-2)	004/LB-3	005/LB-4	007/LB-5	006/LB-6	009/LB-7	008/LB-8
		Unrestricted Use	Protection of Public Health - Restricted Use SCOs				19D1045-01	19D1045-02	19D1045-03	19D1045-04	19D1045-05	19D1045-07	19D1045-06	19D1045-09	19D1045-08
			Residential	Restricted-Residential	Commercial	Industrial	4/20/2019	4/20/2019	4/20/2019	4/20/2019	4/20/2019	4/20/2019	4/20/2019	4/20/2019	4/20/2019
		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	2.5-4.5 (3-3.5)	2-4 (3-3.5)	2-4 (3-3.5)	2-4 (3-3.5)	1.5-3.5 (2.5-3)	5-7 (5.5-6)	5-7 (5.5-6)	8-10 (9-9.5)	11-13 (11.5-12)
							mg/kg Q	mg/kg Q	mg/kg Q	mg/kg Q	mg/kg Q	mg/kg Q	mg/kg Q	mg/kg Q	mg/kg Q
Pesticides, EPA TCL List															
4,4'-DDD	72-54-8	0.0033	2.6	13	92	180	NA	0.00321 D	0.00491 D	NA	0.00185 U	NA	NA	0.0019 U	0.00195 U
4,4'-DDE	72-55-9	0.0033	1.8	8.9	62	120	NA	0.00217 U	0.00224 U	NA	0.00185 U	NA	NA	0.0019 U	0.00195 U
4,4'-DDT	50-29-3	0.0033	1.7	7.9	47	94	NA	0.0325 D	0.0464 D	NA	0.00185 U	NA	NA	0.0019 U	0.00195 U
Aldrin	309-00-2	0.005	0.019	0.097	0.68	1.4	NA	0.00217 U	0.00224 U	NA	0.00185 U	NA	NA	0.0019 U	0.00195 U
alpha-BHC	319-84-6	0.02	0.097	0.48	3.4	6.8	NA	0.00217 U	0.00224 U	NA	0.00185 U	NA	NA	0.0019 U	0.00195 U
alpha-Chlordane	5103-71-9	0.094	0.91	4.2	24	47	NA	0.00511 D	0.00679 D	NA	0.00185 U	NA	NA	0.0019 U	0.00195 U
beta-BHC	319-85-7	0.036	0.072	0.36	3	14	NA	0.00217 U	0.00224 U	NA	0.00185 U	NA	NA	0.0019 U	0.00195 U
Chlordane, total	57-74-9	—	—	—	—	—	NA	0.0459 D	0.0544 DP	NA	0.037 U	NA	NA	0.038 U	0.0391 U
delta-BHC	319-86-8	0.04	100	100	500	1,000	NA	0.00217 U	0.00224 U	NA	0.00185 U	NA	NA	0.0019 U	0.00195 U
Dieldrin	60-57-1	0.005	0.039	0.2	1.4	2.8	NA	0.00634 D	0.00816 D	NA	0.00185 U	NA	NA	0.0019 U	0.00195 U
Endosulfan I	959-98-8	2.4	4.8	24	200	920	NA	0.00217 U	0.00224 U	NA	0.00185 U	NA	NA	0.0019 U	0.00195 U
Endosulfan II	33213-65-9	2.4	4.8	24	200	920	NA	0.00217 U	0.00224 U	NA	0.00185 U	NA	NA	0.0019 U	0.00195 U
Endosulfan sulfate	1031-07-8	2.4	4.8	24	200	920	NA	0.00217 U	0.00224 U	NA	0.00185 U	NA	NA	0.0019 U	0.00195 U
Endrin	72-20-8	0.014	2.2	11	89	410	NA	0.00217 U	0.00224 U	NA	0.00185 U	NA	NA	0.0019 U	0.00195 U
Endrin aldehyde	7421-93-4	—	—	—	—	—	NA	0.00217 U	0.00224 U	NA	0.00185 U	NA	NA	0.0019 U	0.00195 U
Endrin ketone	53494-70-5	—	—	—	—	—	NA	0.00217 U	0.00224 U	NA	0.00185 U	NA	NA	0.0019 U	0.00195 U
gamma-BHC (Lindane)	58-89-9	0.1	0.28	1.3	9.2	23	NA	0.00217 U	0.00224 U	NA	0.00185 U	NA	NA	0.0019 U	0.00195 U
gamma-Chlordane	5566-34-7	—	—	—	—	—	NA	0.00485 D	0.0064 D	NA	0.00185 U	NA	NA	0.0019 U	0.00195 U
Heptachlor	76-44-8	—	0.42	2.1	15	29	NA	0.00217 U	0.00224 U	NA	0.00185 U	NA	NA	0.0019 U	0.00195 U
Heptachlor epoxide	1024-57-3	—	0.077	—	—	—	NA	0.00217 U	0.00224 U	NA	0.00185 U	NA	NA	0.0019 U	0.00195 U
Methoxychlor	72-43-5	—	100	—	—	—	NA	0.00217 U	0.00224 U	NA	0.00185 U	NA	NA	0.0019 U	0.00195 U
Toxaphene	8001-35-2	—	—	—	—	—	NA	0.217 U	0.224 U	NA	0.185 U	NA	NA	0.19 U	0.195 U
PCBs, EPA TCL List															
Aroclor 1016	12674-11-2	0.1	1	1	1	25	NA	0.0219 U	0.0226 U	NA	0.0187 U	NA	NA	0.0192 U	0.0197 U
Aroclor 1221	11104-28-2	0.1	1	1	1	25	NA	0.0219 U	0.0226 U	NA	0.0187 U	NA	NA	0.0192 U	0.0197 U
Aroclor 1232	11141-16-5	0.1	1	1	1	25	NA	0.0219 U	0.0226 U	NA	0.0187 U	NA	NA	0.0192 U	0.0197 U
Aroclor 1242	53469-21-9	0.1	1	1	1	25	NA	0.0219 U	0.0226 U	NA	0.0187 U	NA	NA	0.0192 U	0.0197 U
Aroclor 1248	12672-29-6	0.1	1	1	1	25	NA	0.0219 U	0.0226 U	NA	0.0187 U	NA	NA	0.0192 U	0.0197 U
Aroclor 1254	11097-69-1	0.1	1	1	1	25	NA	0.0219 U	0.0226 U	NA	0.0187 U	NA	NA	0.0192 U	0.0197 U
Aroclor 1260	11096-82-5	0.1	1	1	1	25	NA	0.0219 U	0.0226 U	NA	0.0187 U	NA	NA	0.0192 U	0.0197 U
Total PCBs	1336-36-3	0.1	1	1	1	25	NA	0.0219 U	0.0226 U	NA	0.0187 U	NA	NA	0.0192 U	0.0197 U
Metals, Target Analyte															
Aluminum	7429-90-5	—	—	—	—	—	7,370	1,800	2,480	5,550	10,500	13,000	8,550	11,200	8,280
Antimony	7440-36-0	—	—	—	—	—	3.11 U	3.3 U	3.41 U	2.98 U	2.85 U	2.93 U	2.85 U	2.89 U	2.98 U
Arsenic	7440-38-2	13	16	16	16	16	6.83	3.22	2.3	8.8	6.45	1.76 U	7.63	1.73 U	1.79 U
Barium	7440-39-3	350	350	400	400	10,000	504	1,160	1,070	1,030	169	41.7	114	62.6	70.8
Beryllium	7440-41-7	7.2	14	72	590	2,700	0.238	0.066 U	0.068 U	0.06 U	0.545	0.482	0.466	0.46	0.251
Cadmium	7440-43-9	2.5	2.5	4.3	9.3	60	0.925	1.72	2.5	0.552	0.584	0.352 U	0.356	0.347 U	0.358 U
Calcium	7440-70-2	—	—	—	—	—	40,500	125,000	118,000	76,700	12,200	6,610	2,100	7,780	29,700
Chromium, Total	7440-47-3	30	36	180	1500	6,800	15	19.6	22.3	14.6	16	15.7	12.5	14.5	16.7
Chromium, Hexavalent	18540-29-9	1	22	110	400	800	0.622 U	0.66 U	0.682 U	0.596 U	0.571 U	0.586 U	0.57 U	0.578 U	0.596 U
Cobalt	7440-48-4	—	30	—	—	—	5.51	4.71	6.24	7.64	10.6	7.09	6.91	8.14	9.74
Copper	7440-50-8	50	270	270	270	10,000	33.9	17.8	21.7	16.2	145	10.4	123	18.7	19.6
Iron	7439-89-6	—	2,000	—	—	—	12,000	5,690	27,700	9,820	21,700	17,200	15,900	17,700	27,400
Lead	7439-92-1	63	400	400	1,000	3,900	176	420	878	372	249	15.2	106	23.6	67
Magnesium	7439-95-4	—	—	—	—	—	6,790	7,810	3,740	5,570	4,040	5,440	2,830	5,280	17,900
Manganese	7439-96-5	1,600	2,000	2,000	10,000	10,000	331	123	209	260	256	206	204	581	1,110
Mercury	7439-97-6	0.18	0.81	0.81	2.8	5.7	0.34	1.02	0.37	0.233	1.51	0.0461	0.388	0.0972	0.45
Nickel	7440-02-0	30	140	310	310	10,000	15	8.77	11	12.7	21.5	13.6	26.6	16.1	16.1
Potassium	7440-09-7	—	—	—	—	—	1,350	484	544	1,600	1,130	713	875	1,090	1,440
Selenium	7782-49-2	3.9	36	180	1,500	6,800	3.11 U	6.45	3.41 U	2.98 U	2.85 U	2.93 U	2.85 U	2.89 U	2.98 U
Silver	7440-22-4	2	36	180	1,500	6,800	0.622 U	0.66 U	0.682 U	0.596 U	0.571 U	0.586 U	0.57 U	0.578 U	0.596 U
Sodium	7440-23-5	—	—	—	—	—	293	167	183	196	222	133	154	257	562
Thallium	7440-28-0	—	—	—	—	—	3.11 U	3.3 U	3.41 U	2.98 U	2.85 U	2.93 U	2.85 U	2.89 U	2.98 U
Vanadium	7440-62-2	—	100	—	—	—	24.4	5.01	6.83	18.2	20.2	19.5	17.8	20.5	20.1
Zinc	7440-66-6	109	2,200	10,000	10,000	10,000	548	1,150	1,440	814	311	42.9	460	44.7	82.8
General Chemistry															
% Solids	—	—	—	—	—	—	80.4	75.7	73.3	83.9	87.6	85.3	87.8	86.5	83.9

Notes:
Soil Cleanup Objectives are taken from the NYSDEC Subpart 375-6 Remedial Program SCOs (Revised Brownfields) criteria are from the NYSDEC Soil Cleanup Objective Tables 375-6.8(a) and 375-6.8(b), last revised 14 December 2006 and the NYSDEC CP-51 Soil Cleanup Guidance dated 21 October 2010.
ft bgs - feet below ground surface
NA: Not analyzed
U: The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the RL or the sample concentration for results impacted by blank contamination.
J: The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample.
D: Compound analyzed at a secondary dilution factor.
P: this flag is used for pesticide and PCB (Aroclor) target compounds when there is a % difference for detected concentrations that exceed method dictated limits between the two GC columns used for analysis
Total Chromium is compared to the trivalent Chromium SCOs for screening purposes.
Italicized results indicate Reporting Limits (RL) greater than or equal to the most stringent criteria.

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
531 – 553 East 132nd Street
Bronx, New York

Sample ID: Langan Sample Number: Laboratory Sample Number: Sampling Date: Units:	CAS Number	Ground Water Quality Standards ¹ ug/L	LTW-1 012 19D1108-01 4/23/2019			LTW-2 017 19D1108-06 4/23/2019			LTW-3 013 19D1108-02 4/23/2019			DUP-2 (LTW-3) 014 19D1108-03 4/23/2019			LTW-4 018 19D1108-07 4/23/2019		
			ug/L	Q		ug/L	Q		ug/L	Q		ug/L	Q		ug/L	Q	
Volatile Organic Compounds (VOCs)																	
1,1-Dichloroethane	75-34-3	5	0.2	U		0.2	U		0.2	U		0.2	U		0.2	U	
1,1-Dichloroethene	75-35-4	5	0.2	U		0.2	U		0.2	U		0.2	U		0.2	U	
1,1-Dichloropropene	563-58-6	5	0.2	U		0.2	U		0.2	U		0.2	U		0.2	U	
1,1,1-Trichloroethane	71-55-6	5	0.2	U		0.2	U		0.2	U		0.2	U		0.2	U	
1,1,2-Trichloroethane	79-00-5	1	0.2	U		0.2	U		0.2	U		0.2	U		0.2	U	
1,1,1,2-Tetrachloroethane	630-20-6	5	0.2	U		0.2	U		0.2	U		0.2	U		0.2	U	
1,1,2,2-Tetrachloroethane	79-34-5	5	0.2	U		0.2	U		0.2	U		0.2	U		0.2	U	
1,2-Dichlorobenzene	95-50-1	3	0.2	U		0.2	U		0.2	U		0.2	U		0.2	U	
1,2-Dichloroethane	107-06-2	0.6	0.2	U		0.2	U		0.2	U		0.2	U		0.2	U	
1,2-Dichloroethene (cis)	156-59-2	5	0.2	U		0.2	U		0.2	U		0.2	U		0.2	U	
1,2-Dichloroethene (trans)	156-60-5	5	0.2	U		0.2	U		0.2	U		0.2	U		0.2	U	
1,2-Dichloropropane	78-87-5	1	0.2	U		0.2	U		0.2	U		0.2	U		0.2	U	
1,2-Dichloropropene (cis)	10061-01-5	0.4	0.2	U		0.2	U		0.2	U		0.2	U		0.2	U	
1,3-Dichlorobenzene	541-73-1	3	0.2	U		0.2	U		0.2	U		0.2	U		0.2	U	
1,2-Dibromo-3-chloropropane	96-12-8	0.04	0.2	U		0.2	U		0.2	U		0.2	U		0.2	U	
1,3-Dichloropropane	142-28-9	5	0.2	U		0.2	U		0.2	U		0.2	U		0.2	U	
1,2,3-Trichlorobenzene	87-61-6	5	0.2	U		0.2	U		0.2	U		0.2	U		0.2	U	
1,2,2-Trifluoroethane (113 Freon)	76-13-1	5	0.2	U		0.2	U		0.2	U		0.2	U		0.2	U	
1,2,3-Trichloropropane	96-18-4	0.04	0.2	U		0.2	U		0.2	U		0.2	U		0.2	U	
1,2,4-Trichlorobenzene	120-82-1	5	0.2	U		0.2	U		0.2	U		0.2	U		0.2	U	
1,2,4-Trimethylbenzene	95-63-6	5	0.24	J		0.2	U		0.2	U		0.2	U		0.2	U	
1,3,5-Trimethylbenzene	108-67-8	5	0.2	U		0.2	U		0.2	U		0.2	U		0.2	U	
1,3-Dichloropropene (trans)	10061-02-6	0.4	0.2	U		0.2	U		0.2	U		0.2	U		0.2	U	
1,3-Dichlorobenzene	541-73-1	3	0.2	U		0.2	U		0.2	U		0.2	U		0.2	U	
1,4-Dichlorobenzene	106-46-7	3	0.2	U		0.2	U		0.2	U		0.2	U		0.2	U	
1,4-Dioxane	123-91-1	—	40	U		40	U		40	U		40	U		40	U	
2-Butanone	78-93-3	50	0.2	U		0.2	U		0.2	U		0.2	U		0.2	U	
2-Chlorotoluene	95-49-8	5	0.2	U		0.2	U		0.2	U		0.2	U		0.2	U	
2,2-Dichloropropane	594-20-7	5	0.2	U		0.2	U		0.2	U		0.2	U		0.2	U	
4-Chlorotoluene	106-43-4	5	0.2	U		0.2	U		0.2	U		0.2	U		0.2	U	
Acetone	67-64-1	50	1	U		4.83			1	U		1	U		3.34		
Acrolein	107-02-8	5	0.2	U		0.2	U		0.2	U		0.2	U		0.2	U	
Acrylonitrile	107-13-1	5	0.2	U		0.2	U		0.2	U		0.2	U		0.2	U	
Benzene	71-43-2	1	0.2	U		0.2	U		0.2	U		0.2	U		0.2	U	
Bromobenzene	108-86-1	5	0.2	U		0.2	U		0.2	U		0.2	U		0.2	U	
Bromochloromethane	74-97-5	5	0.2	U		0.2	U		0.2	U		0.2	U		0.2	U	
Bromodichloromethane	75-27-4	50	0.2	U		0.2	U		0.2	U		0.2	U		0.2	U	
Bromoform	75-25-2	50	0.2	U		0.2	U		0.2	U		0.2	U		0.2	U	
Bromomethane	74-83-9	5	0.2	U		0.2	U		0.2	U		0.2	U		0.2	U	
n-Butylbenzene	104-51-8	5	0.2	U		0.2	U		0.2	U		0.2	U		0.2	U	
Carbon Disulfide	75-15-0	60	0.2	U		0.2	U		0.2	U		0.2	U		0.2	U	
Carbon tetrachloride	56-23-5	5	0.2	U		0.2	U		0.2	U		0.2	U		0.2	U	
Chlorobenzene	108-90-7	5	0.2	U		0.2	U		0.2	U		0.2	U		0.2	U	
Chloroethane	75-00-3	5	0.2	U		0.2	U		0.2	U		0.2	U		0.2	U	
Chloroform	67-66-3	7	0.2	U		0.32	J		0.2	U		0.2	U		0.2	U	
Chloromethane	74-87-3	—	0.2	U		0.2	U		0.2	U		17.6			0.2	U	
Cyclohexane	110-82-7	—	0.2	U		0.2	U		0.2	U		0.2	U		4.31		
Dibromochloromethane	124-48-1	50	0.2	U		0.2	U		0.2	U		0.2	U		0.2	U	
Dibromomethane	74-95-3	5	0.2	U		0.2	U		0.2	U		0.2	U		0.2	U	
Dichlorodifluoromethane	75-71-8	5	0.2	U		0.2	U		0.2	U		0.2	U		0.2	U	
Ethylbenzene	100-41-4	5	0.2	U		0.2	U		0.2	U		0.2	U		0.2	U	
Ethylene Dibromide	106-93-4	0.0006	0.2	U		0.2	U		0.2	U		0.2	U		0.2	U	
Hexachlorobutadiene	87-68-3	0.5	0.2	U		0.2	U		0.2	U		0.2	U		0.2	U	
Hexachlorobenzene	118-74-1	0.04	0.0229	U		0.0242	U		0.02	U		0.0216	U		0.0222	U	
2-Hexanone	591-78-6	50	0.2	U		0.2	U		0.2	U		0.2	U		0.2	U	
Isopropyl Benzene	98-82-8	5	0.2	U		0.2	U		0.2	U		0.2	U		1.43		
p-Isopropyltoluene	99-87-6	5	0.2	U		0.2	U		0.2	U		0.2	U		0.2	U	
Methyl acetate	79-20-9	—	0.2	U		0.2	U		0.2	U		0.2	U		0.2	U	
Methyl ethyl ketone (MEK / 2-butanone)	78-93-3	50	0.2	U		0.2	U		0.2	U		0.2	U		0.2	U	
Methyl tert-butyl ether	1634-04-4	10	0.2	U		6.09			0.2	U		0.2	U		13.9		
Methylene chloride	75-09-2	5	1	U		1	U		1	U		1	U		1	U	
Methylcyclohexane	108-87-2	—	0.2	U		0.2	U		0.2	U		0.2	U		1.84		
4-Methyl-2-Pentanone	108-10-1	—	0.2	U		0.33	J		0.2	U		0.2	U		0.2	U	
N-nitrosodiphenylamine	86-30-6	50	2.86	U		3.03	U		2.5	U		2.7	U		2.78	U	
Propylbenzene-n	103-65-1	5	0.2	U		0.2	U		0.2	U		0.2	U		0.62		
Sec-Butylbenzene	135-98-8	5	0.2	U		0.2	U		0.2	U		0.2	U		0.4	J	
Styrene	100-42-5	5	0.2	U		0.2	U		0.2	U		0.2	U		0.2	U	
Tert Butyl Alcohol (TBA)	75-65-0	—	0.5	U		48.7	D		0.5	U		0.5	U		103		
Tert-Butylbenzene	98-06-6	5	0.2	U		0.2	U		0.2	U		0.2	U		0.2	U	
Tetrachloroethene	127-18-4	5	0.2	U		0.2	U		0.2	U		0.2	U		0.2	U	
Toluene	108-88-3	5	0.2	U		0.2	U		0.2	U		0.2	U		0.2	U	
Trichloroethene	79-01-6	5	0.2	U		0.2	U		0.2	U		0.2	U		0.2	U	
Trichlorofluoromethane (Freon 11)	75-69-4	5	0.2	U		0.2	U		0.2	U		0.2	U		0.2	U	
Vinyl Chloride	75-01-4	2	0.2	U		0.2	U		0.2	U		0.2	U		0.2	U	
1,2-Xylene (o-Xylene)	95-47-6	5	0.2	U		0.2	U		0.2	U		0.2	U		0.2	U	
m&p-Xylene	179601-23-1	5	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Xylene (mixed)	1330-20-7	5	0.6	U		0.6	U		0.6	U		0.6	U		0.6	U	

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
531 – 553 East 132nd Street
Bronx, New York

Sample ID: Langan Sample Number: Laboratory Sample Number: Sampling Date: Units:	CAS Number	Ground Water Quality Standards ¹ ug/L	LTW-1 012 19D1108-01 4/23/2019			LTW-2 017 19D1108-06 4/23/2019			LTW-3 013 19D1108-02 4/23/2019			DUP-2 (LTW-3) 014 19D1108-03 4/23/2019			LTW-4 018 19D1108-07 4/23/2019		
			ug/L	Q		ug/L	Q		ug/L	Q		ug/L	Q		ug/L	Q	
Semi-Volatile Organic Compounds (SVOCs)																	
1,1'-Biphenyl	92-52-4	5	2.86	U		3.03	U		2.5	U		2.7	U		2.78	U	
1,2-Diphenylhydrazine (as Azobenzene)	122-66-7	ND	2.86	U		3.03	U		2.5	U		2.7	U		2.78	U	
1,2,4,5-Tetrachlorobenzene	95-94-3	5	2.86	U		3.03	U		2.5	U		2.7	U		2.78	U	
2-Chloronaphthalene	91-58-7	10	2.86	U		3.03	U		2.5	U		2.7	U		2.78	U	
2-Chlorophenol	95-57-8	—	2.86	U		3.03	U		2.5	U		2.7	U		2.78	U	
2-Methylnaphthalene	91-57-6	—	2.86	U		3.03	U		2.5	U		2.7	U		2.78	U	
2-Nitroaniline	88-74-4	5	2.86	U		3.03	U		2.5	U		2.7	U		2.78	U	
2-Nitrophenol	88-75-5	—	2.86	U		3.03	U		2.5	U		2.7	U		2.78	U	
2,4-Dichlorophenol	120-83-2	1	2.86	U		3.03	U		2.5	U		2.7	U		2.78	U	
2,4-Dimethylphenol	105-67-9	1	2.86	U		3.03	U		2.5	U		2.7	U		2.78	U	
2,4-Dinitrophenol	51-28-5	1	2.86	U		3.03	U		2.5	U		2.7	U		2.78	U	
2,4-Dinitrotoluene	121-14-2	5	2.86	U		3.03	U		2.5	U		2.7	U		2.78	U	
2,4,5-Trichlorophenol	95-95-4	—	2.86	U		3.03	U		2.5	U		2.7	U		2.78	U	
2,4,6-Trichlorophenol	88-06-2	—	2.86	U		3.03	U		2.5	U		2.7	U		2.78	U	
2,6-Dinitrotoluene	606-20-2	5	2.86	U		3.03	U		2.5	U		2.7	U		2.78	U	
3-Nitroaniline	99-09-2	5	2.86	U		3.03	U		2.5	U		2.7	U		2.78	U	
3,3'-Dichlorobenzidine	91-94-1	5	2.86	U		3.03	U		2.5	U		2.7	U		2.78	U	
3- & 4-Methylphenols	65794-96-9	1	2.86	U		3.03	U		2.5	U		2.7	U		2.78	U	
4-Chloro-3-methylphenol	59-50-7	—	2.86	U		3.03	U		2.5	U		2.7	U		2.78	U	
4-Chloroaniline	106-47-8	5	2.86	U		3.03	U		2.5	U		2.7	U		2.78	U	
4-Nitroaniline	100-01-6	5	2.86	U		3.03	U		2.5	U		2.7	U		2.78	U	
4-Nitrophenol	100-02-7	1	5.71	U		6.06	U		5	U		5.41	U		5.56	U	
4,6-Dinitro-2-methylphenol	534-52-1	—	2.86	U		3.03	U		2.5	U		2.7	U		2.78	U	
Acenaphthene	83-32-9	20	0.0571	U		0.109			0.05	U		0.0541	U		0.189		
Acenaphthylene	208-96-8	—	0.0571	U		0.0606	U		0.05	U		0.0541	U		0.0556	U	
Acetophenone	98-86-2	—	2.86	U		3.03	U		2.5	U		2.7	U		2.78	U	
Aniline	62-53-3	5	2.86	U		3.03	U		2.5	U		2.7	U		2.78	U	
Atrazine	1912-24-9	7.5	0.571	U		0.606	U		0.5	U		0.541	U		0.556	U	
Anthracene	120-12-7	50	0.0571	U		0.0606	U		0.05	U		0.0541	U		0.0556		
Benzidine	92-87-5	5	5.71	U		6.06	U		5	U		5.41	U		5.56	U	
Benzo(a)anthracene	56-55-3	0.002	0.0571	U		0.0606	U		0.05	U		0.0541	U		0.0556	U	
Benzo(a)pyrene	50-32-8	ND	0.0571	U		0.0606	U		0.05	U		0.0541	U		0.0556	U	
Benzo(b)fluoranthene	205-99-2	0.002	0.0571	U		0.0606	U		0.05	U		0.0541	U		0.0556	U	
Benzo(g,h,i)perylene	191-24-2	—	0.0571	U		0.0606	U		0.05	U		0.0541	U		0.0556	U	
Benzo(k)fluoranthene	207-08-9	0.002	0.0571	U		0.0606	U		0.05	U		0.0541	U		0.0556	U	
Benzoic acid	65-85-0	—	28.6	U		30.3	U		25	U		27	U		27.8	U	
Benzyl alcohol	100-51-6	—	2.86	U		3.03	U		2.5	U		2.7	U		2.78	U	
Bis(2-chloroethoxy)methane	111-91-1	5	2.86	U		3.03	U		2.5	U		2.7	U		2.78	U	
bis(2-Chloroethyl)ether	111-44-4	1	1.14	U		1.21	U		1	U		1.08	U		1.11	U	
Bis(2-chloroisopropyl)ether	108-60-1	—	2.86	U		3.03	U		2.5	U		2.7	U		2.78	U	
bis(2-Ethylhexyl)phthalate	117-81-7	5	0.571	U		0.606	U		0.63	B		0.746	B		0.556	U	
4-Bromophenyl phenyl ether	101-55-3	—	2.86	U		3.03	U		2.5	U		2.7	U		2.78	U	
Butyl benzyl phthalate	85-68-7	50	2.86	U		3.03	U		2.5	U		2.7	U		2.78	U	
Carbazole	86-74-8	—	2.86	U		3.03	U		2.5	U		2.7	U		2.78	U	
4-Chlorophenyl phenyl ether	7005-72-3	—	2.86	U		3.03	U		2.5	U		2.7	U		2.78	U	
Chrysene	218-01-9	0.002	0.0571	U		0.0606	U		0.05	U		0.0541	U		0.0556	U	
Dibenzo(a,h)anthracene	53-70-3	—	0.0571	U		0.0606	U		0.05	U		0.0541	U		0.0556	U	
Dibenzofuran	132-64-9	—	2.86	U		3.03	U		2.5	U		2.7	U		2.78	U	
Diethyl phthalate	84-66-2	50	2.86	U		3.03	U		2.5	U		2.7	U		2.78	U	
Dimethyl phthalate	131-11-3	50	2.86	U		3.03	U		2.5	U		2.7	U		2.78	U	
Di-n-butyl phthalate	84-74-2	50	2.86	U		3.03	U		2.5	U		2.7	U		2.78	U	
Di-n-octyl phthalate	117-84-0	50	2.86	U		3.03	U		2.5	U		2.7	U		2.78	U	
Fluoranthene	206-44-0	50	0.0571	U		0.0848			0.05	U		0.0541	U		0.0778		
Fluorene	86-73-7	50	0.0571	U		0.0606	U		0.05	U		0.0541	U		0.133		
Hexachlorobenzene	118-74-1	0.04	0.0229	U		0.0242	U		0.02	U		0.0216	U		0.0222	U	
Hexachlorobutadiene	87-68-3	0.5	0.2	U		0.2	U		0.2	U		0.2	U		0.2	U	
Hexachlorocyclopentadiene	77-47-4	5	5.71	U		6.06	U		5	U		5.41	U		5.56	U	
Hexachloroethane	67-72-1	5	0.571	U		0.606	U		0.5	U		0.541	U		0.556	U	
Indeno(1,2,3-cd)pyrene	193-39-5	0.002	0.0571	U		0.0606	U		0.05	U		0.0541	U		0.0556	U	
Isophorone	78-59-1	50	2.86	U		3.03	U		2.5	U		2.7	U		2.78	U	
Naphthalene	91-20-3	10	0.0571	U		0.0606	U		0.05			0.0541			0.133		
Nitrobenzene	98-95-3	0.4	0.286	U		0.303	U		0.25	U		0.27	U		0.278	U	
N-Nitrosodimethylamine	62-75-9	—	0.571	U		0.606	U		0.5	U		0.541	U		0.556	U	
N-nitroso-di-n-propylamine	621-64-7	—	2.86	U		3.03	U		2.5	U		2.7	U		2.78	U	
n-Nitrosodiphenylamine	86-30-6	50	2.86	U		3.03	U		2.5	U		2.7	U		2.78	U	
o-Cresol(s) (2-Methylphenol)	95-48-7	1	2.86	U		3.03	U		2.5	U		2.7	U		2.78	U	
Pentachlorophenol	87-86-5	1	0.286	U		0.303	U		0.25	U		0.27	U		0.278	U	
Phenanthrene	85-01-8	50	0.0571	U		0.0606			0.05	U		0.0541	U		0.189		
Phenol (total)	108-95-2	1	2.86	U		3.03	U		2.5	U		2.7	U		2.78	U	
Pyrene	129-00-0	50	0.0571	U		0.0606			0.07			0.0649			0.0556		
Pyridine	110-86-1	50	2.86	U		3.03	U		2.5	U		2.7	U		2.78	U	

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
531 – 553 East 132nd Street
Bronx, New York

Sample ID: Langan Sample Number: Laboratory Sample Number: Sampling Date: Units:	CAS Number	Ground Water Quality Standards ¹ ug/L	LTW-1 012 19D1108-01 4/23/2019 ug/L Q	LTW-2 017 19D1108-06 4/23/2019 ug/L Q	LTW-3 013 19D1108-02 4/23/2019 ug/L Q	DUP-2 (LTW-3) 014 19D1108-03 4/23/2019 ug/L Q	LTW-4 018 19D1108-07 4/23/2019 ug/L Q
Pesticides							
4,4'-DDE	72-55-9	0.2	0.004 U	NT	0.004 U	NT	NT
4,4'-DDT	50-29-3	0.2	0.004 U	NT	0.004 U	NT	NT
4,4'-DDD	72-54-8	0.3	0.004 U	NT	0.004 U	NT	NT
Aldrin	309-00-2	ND	0.004 U	NT	0.004 U	NT	NT
Alpha-BHC	319-84-6	0.01	0.004 U	NT	0.004 U	NT	NT
Beta-BHC	319-85-7	0.04	0.004 U	NT	0.004 U	NT	NT
Chlordane	57-74-9	0.05	0.2 U	NT	0.2 U	NT	NT
Delta-BHC	319-86-8	0.04	0.004 U	NT	0.004 U	NT	NT
Dieldrin	60-57-1	0.004	0.002 U	NT	0.002 U	NT	NT
Endosulfan I	959-98-8	—	0.004 U	NT	0.004 U	NT	NT
Endosulfan II	33213-65-9	—	0.004 U	NT	0.004 U	NT	NT
Endosulfan Sulfate	1031-07-8	—	0.004 U	NT	0.004 U	NT	NT
Endrin	72-20-8	ND	0.004 U	NT	0.004 U	NT	NT
Endrin aldehyde	7421-93-4	5	0.01 U	NT	0.01 U	NT	NT
Endrin ketone	53494-70-5	5	0.01 U	NT	0.01 U	NT	NT
Heptachlor	76-44-8	0.04	0.004 U	NT	0.004 U	NT	NT
Heptachlor epoxide	1024-57-3	0.03	0.004 U	NT	0.004 U	NT	NT
Methoxychlor	72-43-5	35	0.004 U	NT	0.004 U	NT	NT
Toxaphene	8001-35-2	0.06	0.1 U	NT	0.1 U	NT	NT
Polychlorinated biphenyls (PCBs)							
Pcb-1016 (Aroclor 1016)	12674-11-2	0.09	0.05 U	NT	0.05 U	NT	NT
Pcb-1221 (Aroclor 1221)	11104-28-2	0.09	0.05 U	NT	0.05 U	NT	NT
Pcb-1232 (Aroclor 1232)	11141-16-5	0.09	0.05 U	NT	0.05 U	NT	NT
Pcb-1242 (Aroclor 1242)	53469-21-9	0.09	0.05 U	NT	0.05 U	NT	NT
Pcb-1248 (Aroclor 1248)	12672-29-6	0.09	0.05 U	NT	0.05 U	NT	NT
Pcb-1254 (Aroclor 1254)	11097-69-1	0.09	0.05 U	NT	0.05 U	NT	NT
Pcb-1260 (Aroclor 1260)	11096-82-5	0.09	0.05 U	NT	0.05 U	NT	NT
Total PCBs	1336-36-3	0.09	0.05 U	NT	0.05 U	NT	NT

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531 – 553 East 132nd Street
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Sample ID: Langan Sample Number: Laboratory Sample Number: Sampling Date: Units:			LTW-1 012 19D1108-01 4/23/2019 ug/L Q	LTW-2 017 19D1108-06 4/23/2019 ug/L Q	LTW-3 013 19D1108-02 4/23/2019 ug/L Q	DUP-2 (LTW-3) 014 19D1108-03 4/23/2019 ug/L Q	LTW-4 018 19D1108-07 4/23/2019 ug/L Q
	CAS Number	Ground Water Quality Standards ¹ ug/L					
Metals							
Aluminum	7429-90-5	—	55.6 U	3,250	792	3,870	3,300
Antimony	7440-36-0	3	1.11 U	1.11 U	1.11 U	1.11 U	1.11 U
Arsenic	7440-38-2	25	1.11 U	3.68	1.79	2.94	5.82
Barium	7440-39-3	1,000	27.8 U	331	27.8 U	123	249
Beryllium	7440-41-7	3	0.333 U	0.333 U	0.333 U	0.333 U	0.333 U
Cadmium	7440-43-9	5	0.556 U	0.556 U	0.556 U	0.556 U	0.556 U
Calcium	7440-70-2	—	55.6 U	195,000	318,000	192,000	104,000
Chromium	7440-47-3	50	5.56 U	6.92	5.56 U	10.7	6.3
Chromium, Hexavalent	18540-29-9	50	10 U	10 U	10 U	10 U	10 U
Cobalt	7440-48-4	—	4.44 U	4.44 U	4.44 U	4.44 U	5.87
Copper	7440-50-8	200	22.2 U	22.2 U	22.2 U	22.2 U	22.2 U
Iron	7439-89-6	300	278 U				
Iron and Manganese	7493-89-6/7439-96-5	500	283.56 U				
Lead	7439-92-1	25	5.56 U				
Magnesium	7439-95-4	35,000	55.6 U				
Manganese	7439-96-5	300	5.56 U				
Mercury (elemental)	7439-97-6	0.7	0.2 U				
Nickel	7440-02-0	100	11.1 U				
Potassium	7440-09-7	—	57.2				
Selenium	7782-49-2	10	6.7				
Silver	7440-22-4	50	5.56 U				
Sodium	7440-23-5	20,000	556 U				
Thallium	7440-28-0	0.5	1.11 U				
Vanadium	7440-62-2	—	11.1 U				
Zinc	7440-66-6	2,000	27.8 U				
Dissolved Metals							
Aluminum	7429-90-5	—	55.6 U	140	55.6 U	55.6 U	55.6 U
Antimony	7440-36-0	3	1.11 U	1.11 U	1.11 U	1.11 U	1.11 U
Arsenic	7440-38-2	25	1.11 U	1.86	1.11 U	1.11 U	2.08
Barium	7440-39-3	1,000	27.8 U	242	84.5	82.3	160
Beryllium	7440-41-7	3	0.333 U	0.333 U	0.333 U	0.333 U	0.333 U
Cadmium	7440-43-9	5	0.556 U	0.556 U	0.556 U	0.556 U	0.556 U
Calcium	7440-70-2	—	294,000	182,000	174,000	175,000	96,300
Chromium	7440-47-3	50	5.56 U	5.56 U	5.56 U	5.56 U	5.56 U
Cobalt	7440-48-4	—	4.44 U	4.44 U	4.44 U	4.44 U	4.44 U
Copper	7440-50-8	200	22.2 U	22.2 U	22.2 U	22.2 U	22.2 U
Iron	7439-89-6	300	278 U	278 U	278 U	278 U	278 U
Iron and Manganese	7493-89-6/7439-96-5	500					
Lead	7439-92-1	25					
Magnesium	7439-95-4	35,000					
Manganese	7439-96-5	300					
Mercury (elemental)	7439-97-6	0.7					
Nickel	7440-02-0	100					
Potassium	7440-09-7	—					
Selenium	7782-49-2	10					
Silver	7440-22-4	50					
Sodium	7440-23-5	20,000					
Thallium	7440-28-0	0.5					
Vanadium	7440-62-2	—					
Zinc	7440-66-6	2,000					

NOTES:

1. DEC establishes water quality standards and other criteria for many specific substances and are found in NYS regulation 6 NYCRR Part 703.5 (current through February 15, 2016). In the absence of established water quality standards, numeric guidance values are derived and compiled in Division of Water guidance (TOGS 1.1.1) (updated June 2004). Ambient standards and guidance values are supported by technical documents called "Fact Sheets" that are also available upon request from the NYSDEC.
<http://www.dec.ny.gov/chemical/23853.html>
<http://www.dec.ny.gov/regulations/2652.html>
ug/L: micrograms per liter
Exceedances of regulatory criteria are highlighted and **bold**.
Italicized results indicate the Reporting Limit (RL) is greater than or equal to the most stringent criteria.
— : Indicates that no regulatory limit has been established for this analyte
NA: Compound not analyzed

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

Legend

Approximate Site Boundary

Boring Location

Boring/Temporary Well Location

Sample ID:	008/LB-8
Laboratory Sample Number:	19D1045-08
Sample Date:	4/20/2019
Sample Depth/VOC Sample Depth (ft bgs):	11-13(11.5-12)
Units:	mg/kg Q
VOCs	No Exceedances
SVOCs	No Exceedances
Pesticides	No Exceedances
PCBs	No Exceedances
Metals	
Iron	27,400
Lead	67
Mercury	0.45

Sample ID:	005/LB-4
Laboratory Sample Number:	19D1045-05
Sample Date:	4/20/2019
Sample Depth/VOC Sample Depth (ft bgs):	1.5-3.5(2.5-3)
Units:	mg/kg Q
VOCs	No Exceedances
SVOCs	No Exceedances
Pesticides	No Exceedances
PCBs	No Exceedances
Metals	
Copper	145
Iron	21,700
Lead	249
Mercury	1.51
Zinc	311

Sample ID:	001/LB-1
Laboratory Sample Number:	19D1045-01
Sample Date:	4/20/2019
Sample Depth/VOC Sample Depth (ft bgs):	2.5-4.5(3-2.5)
Units:	mg/kg Q
VOCs	
Acetone	0.057
SVOCs	
Benzo(a)anthracene	1.81 D
Benzo(a)pyrene	2.02 D
Benzo(b)fluoranthene	2.13 D
Benzo(k)fluoranthene	1.86 D
Chrysene	2.16 D
Dibenzo(a,h)anthracene	0.498 D
Indeno(1,2,3-cd)pyrene	1.31 D
Pesticides	Not Analyzed
PCBs	Not Analyzed
Metals	
Barium	504
Iron	12,000
Lead	176
Mercury	0.34
Zinc	548

Sample ID:	006/LB-6
Laboratory Sample Number:	19D1045-06
Sample Date:	4/20/2019
Sample Depth/VOC Sample Depth (ft bgs):	5-7(5.5-6)
Units:	mg/kg Q
VOCs	No Exceedances
SVOCs	No Exceedances
Pesticides	Not Analyzed
PCBs	Not Analyzed
Metals	
Copper	123
Iron	15,900
Lead	106
Mercury	0.388
Zinc	460

Sample ID:	007/LB-5
Laboratory Sample Number:	19D1045-07
Sample Date:	4/20/2019
Sample Depth/VOC Sample Depth (ft bgs):	5-7(5.5-6)
Units:	mg/kg Q
VOCs	No Exceedances
SVOCs	No Exceedances
Pesticides	Not Analyzed
PCBs	Not Analyzed
Metals	
Iron	17,200

Sample ID:	004/LB-3
Laboratory Sample Number:	19D1045-04
Sample Date:	4/20/2019
Sample Depth/VOC Sample Depth (ft bgs):	2-4(3-3.5)
Units:	mg/kg Q
VOCs	No Exceedances
SVOCs	
Benzo(a)anthracene	1.07 D
Benzo(a)pyrene	1.3 D
Benzo(k)fluoranthene	0.818 D
Chrysene	1.1 D
Indeno(1,2,3-cd)pyrene	0.587 D
Pesticides	Not Analyzed
PCBs	Not Analyzed
Metals	
Barium	1,030
Iron	9,820
Lead	372
Mercury	0.233
Zinc	814

Sample ID:	002/LB-2	003/DUP-1 (LB-2)
Laboratory Sample Number:	19D1045-02	19D1045-03
Sample Date:	4/20/2019	4/20/2019
Sample Depth/VOC Sample Depth (ft bgs):	2-4(3-3.5)	2-4(3-3.5)
Units:	mg/kg Q	mg/kg Q
VOCs	No Exceedances	No Exceedances
SVOCs		
Benzo(a)anthracene	4.47 D	1.45 D
Benzo(a)pyrene	4.54 D	1.45 D
Benzo(b)fluoranthene	3.42 D	1.18 D
Benzo(k)fluoranthene	3.25 D	1.07 D
Chrysene	5 D	1.58 D
Dibenzo(a,h)anthracene	1.13 D	0.344 D
Indeno(1,2,3-cd)pyrene	2.56 D	0.808 D
Pesticides		
4,4'-DDD	0.00321 D	0.00491 D
4,4'-DDT	0.0325 D	0.0464 D
Dieldrin	0.00634 D	0.00816 D
PCBs	No Exceedances	No Exceedances
Metals		
Barium	1,160	1,070
Cadmium	1.72	2.5
Iron	5,690	27,700
Lead	420	878
Mercury	1.02	0.37
Selenium	6.45	3.41 U
Zinc	1,150	1,440

NYSDEC Subpart 375-6 Remedial Program Soil Cleanup Objectives	Unrestricted Use mg/kg	Protection of Public Health - Restricted Use SCOs			
		Residential mg/kg	Restricted-Residential mg/kg	Commercial mg/kg	Industrial mg/kg
VOCs	0.05	100	100	500	1,000
SVOCs					
Benzo(a)anthracene	1	1	1	5.6	11
Benzo(a)pyrene	1	1	1	1	1.1
Benzo(b)fluoranthene	1	1	1	5.6	11
Benzo(k)fluoranthene	0.8	1	3.9	56	110
Chrysene	1	1	3.9	56	110
Dibenzo(a,h)anthracene	0.33	0.33	0.33	0.56	1.1
Indeno(1,2,3-cd)pyrene	0.5	0.5	0.5	5.6	11
Pesticides					
4,4'-DDD	0.0033	2.6	13	92	180
4,4'-DDT	0.0033	1.7	7.9	47	94
Dieldrin	0.005	0.039	0.2	1.4	2.8
PCBs					
Metals					
Barium	350	350	400	400	10,000
Cadmium	2.5	2.5	4.3	9.3	60
Copper	50	270	270	270	10,000
Iron	—	2,000	—	—	—
Lead	63	400	400	1,000	3,900
Mercury	0.18	0.81	0.81	2.8	5.7
Selenium	3.9	36	180	1,500	6,800
Zinc	109	2,200	10,000	10,000	10,000

Notes:
Soil Cleanup Objectives are taken from the NYSDEC Subpart 375-6 Remedial Program SCOs (Revised Brownfields) criteria are from the NYSDEC Soil Cleanup Objective Tables 375-6.8(a) and 375-6.8(b), last revised 14 December 2006 and the NYSDEC CP-51 Soil Cleanup Guidance dated 21 October 2010.
ft bgs - feet below ground surface
NA: Not analyzed
D: Compound analyzed at a secondary dilution factor.
Total Chromium is compared to the Trivalent Chromium SCOs for screening purposes.

References:
1. Aerial imagery provided by the New York State Orthoimagery Program, collected April 15, 2018.
2. Parcel information from MapLUTO 18v2 copyrighted by the New York City Department of Planning.



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NJ CERTIFICATE OF AUTHORIZATION No. 24GA27996400

Project

138 BRUCKNER
BOULEVARD

BLOCK No. 2260, LOT No. 10 & 19

BRONX NEW YORK

Drawing Title

DRAFT
SOIL SAMPLE
LOCATIONS AND
RESULTS

Project No.
100799901

Date
5/8/2019

Scale
1" = 50'

Drawn By
ATR

Last Revised
5/10/2019

Figure
3

Legend

- Approximate Site Boundary
- Boring Location
- Boring/Temporary Well Location

Sample ID:	LTW-4
Laboratory Sample Number:	19D1108-07
Sampling Date:	4/23/2019
Units:	ug/L Q
VOCs	
Methyl tert-butyl ether	13.9
SVOCs	No Exceedances
Pesticides	Not Analyzed
PCBs	Not Analyzed
Metals	
Iron	14900
Iron and Manganese	15294
Magnesium	37300
Manganese	394
Sodium	286000
Dissolved Metals	
Magnesium	36100
Sodium	257000

Sample ID:	LTW-3	DUP-2 (LTW-3)
Laboratory Sample Number:	19D1108-02	19D1108-03
Sampling Date:	4/23/2019	4/23/2019
Units:	ug/L Q	ug/L Q
VOCs	No Exceedances	No Exceedances
SVOCs	No Exceedances	No Exceedances
Pesticides	No Exceedances	Not Analyzed
PCBs	No Exceedances	Not Analyzed
Metals		
Iron	866	4160
Iron and Manganese	1225	9620
Magnesium	52400	54400
Manganese	359	5460
Sodium	36100	55200
Dissolved Metals		
Iron and Manganese	4890	4720
Magnesium	48100	47800
Manganese	4890	4720
Sodium	48400	47500

Sample ID:	Ground Water Quality Standards ¹
Laboratory Sample Number:	ug/L
Sampling Date:	
Units:	
Volatile Organic Compounds (VOCs)	
Methyl tert-butyl ether	10
Metals	
Iron	300
Iron and Manganese	500
Magnesium	35000
Manganese	300
Sodium	20000
Dissolved Metals	
Iron and Manganese	500
Magnesium	35000
Manganese	300
Sodium	20000

NOTES:

1. DEC establishes water quality standards and other criteria for many specific substances and are found in NYS regulation 6 NYCRR Part 703.5 (current through February 15, 2016). In the absence of established water quality standards, numeric guidance values are derived and compiled in Division of Water guidance (TOGS 1.1.1) (updated June 2004). Ambient standards and guidance values are supported by technical documents called "Fact Sheets" that are also available upon request from the NYSDEC. <http://www.dec.ny.gov/chemical/23853.html>
<http://www.dec.ny.gov/regulations/2652.html>
ug/L: micrograms per liter
Exceedances of regulatory criteria are highlighted and **bold**.

Sample ID:	LTW-2
Laboratory Sample Number:	19D1108-06
Sampling Date:	4/23/2019
Units:	ug/L Q
VOCs	No Exceedances
SVOCs	No Exceedances
Pesticides	Not Analyzed
PCBs	Not Analyzed
Metals	
Iron	13100
Iron and Manganese	14300
Magnesium	65000
Manganese	1200
Sodium	240000
Dissolved Metals	
Iron and Manganese	969
Magnesium	59900
Manganese	969
Sodium	207000

Sample ID:	LTW-1
Laboratory Sample Number:	19D1108-01
Sampling Date:	4/23/2019
Units:	ug/L Q
VOCs	No Exceedances
SVOCs	No Exceedances
Pesticides	No Exceedances
PCBs	No Exceedances
Metals	No Exceedances
Dissolved Metals	
Magnesium	49300
Manganese	314
Sodium	31400

References:

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Project

**138 BRUCKNER
BOULEVARD**

BLOCK No. 2260, LOT No. 10 & 19

BRONX

NEW YORK

Drawing Title

**GROUNDWATER
SAMPLE LOCATIONS
AND RESULTS**

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Scale

1" = 50'

Drawn By

ATR

Last Revised

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Figure

4