

TABLES

Table 1
Soil Analytical Results - July 2013 Remedial Investigation
1705 Factory Outlet Boulevard
Niagara, New York
Langan Project No.: 140091402

Parameters	NYSDEC Subpart 375-6: Remedial Program Soil Cleanup Objectives		Sample ID Sample Date Sampling Depth Units Sample Medium	LSB-1-A-20130627	LSB-1-B-20130627	LSB-2-A-20130627	LSB-2-B-20130627	LSB-3-A-20130627	LSB-3-B-20130627	LSB-4-A-20130627	LSB-4-B-20130627	LSB-5-A-20130627	LSB-5-B-20130627	LSB-6-A-20130626	LSB-6-B-20130626	LSB-7-A-20130626	LSB-7-B-20130626	LSB-8-A-20130627	LSB-8-B-20130627		
	Unrestricted Use Objectives	Restricted Commercial		6/27/2013	6/27/2013	6/27/2013	6/27/2013	6/27/2013	6/27/2013	6/27/2013	6/27/2013	6/27/2013	6/27/2013	6/26/2013	6/26/2013	6/26/2013	6/26/2013	6/27/2013	6/27/2013		
				2-4' mg/kg	5.5-7.5' mg/kg	2-4' mg/kg	10-12' mg/kg	1-3' mg/kg	6-8' mg/kg	4-4.67' mg/kg	4.67-6.6' mg/kg	2-4' mg/kg	10-12' mg/kg	3-5' mg/kg	10-12' mg/kg	3-5' mg/kg	10-12' mg/kg	3-5' mg/kg	8-10' mg/kg	1.5-3.5' mg/kg	6-8' mg/kg
				Fill-Sand	Fill-Silty Sand	Fill-Sand	Clay	Fill-Sand	Fill-Clay	Sand	Sand	Fill-Sand	Clay	Sand	Clay	Fill-Clay	Clay	Fill-Clay	Clay	Fill-Sand	Sand/Silty Clay
VOCs																					
1,1-Dichloroethane	0.27	240		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
1,2,4-Trimethylbenzene	3.6	190		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
1,2-Dichlorobenzene	1.1	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
1,3,5-Trimethylbenzene	8.4	190		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
1,3-Dichlorobenzene	2.4	280		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
1,4-Dichlorobenzene	1.8	130		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
2-Butanone	0.12	500		ND	0.0029 J	ND	ND	0.0053 J	ND	ND	ND	0.0061	ND	0.0054	ND	ND	ND	0.0025 J	ND		
Acetone	0.05	500		ND	ND	ND	ND	0.031 J	0.0065 J	0.0038 J	0.0025 J	0.025	ND	0.027	ND	0.015 J	0.005 J	0.014	0.0026 J		
Benzene	0.06	44		ND	ND	ND	ND	ND	ND	ND	ND	0.014	ND	ND	ND	ND	ND	ND	ND		
Chlorobenzene	1.1	500		ND	ND	ND	ND	ND	ND	ND	ND	0.0042	ND	0.0093	ND	ND	ND	ND	ND		
cis-1,2-Dichloroethylene	0.25	500		ND	ND	ND	ND	ND	ND	ND	ND	0.0027 J	ND	ND	ND	ND	ND	ND	ND		
Ethyl Benzene	1	390		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
Methylene chloride	0.05	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0031 J	ND	ND	ND		
o-Xylene	0.26	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
p- & m- Xylenes	0.26	600		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
sec-Butylbenzene	11	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
Toluene	0.7	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
Trichloroethylene (TCE)	0.47	200		ND	ND	ND	ND	0.0051 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
Vinyl Chloride	0.02	13		ND	0.0071	ND	ND	ND	ND	ND	ND	0.0021 J	ND	ND	ND	ND	ND	ND	ND		
Xylenes, Total	0.26	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
SVOCs																					
Acenaphthene	20	500		ND	ND	0.159 J	ND	ND	ND J	ND	ND	ND	ND	0.274	ND	ND	ND	ND	ND		
Acenaphthylene	100	500		ND	ND	ND	ND	0.129 J	ND J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
Anthracene	100	500		ND	ND	0.333	ND	0.111 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.239	ND		
Benzo[a]anthracene	1	5.6		ND	0.134 J	0.657	ND	0.451	ND	0.152 J	ND	0.134 J	ND	ND	ND	0.0649 J	ND	0.225	ND		
Benzo[a]pyrene	1	1		ND	ND	0.621	ND	0.462	ND	0.105 J	ND	ND	ND	ND	ND	0.0637 J	ND	0.22	ND		
Benzo[b]fluoranthene	1	5.6		ND	ND	0.506	ND	0.388	ND	0.0983 J	ND	ND	ND	1.47 J	ND	0.0718 J	ND	0.153 J	ND		
Benzo[k]fluoranthene	100	500		ND	ND	0.253	ND	ND	ND	ND	ND	ND	ND	0.463	ND	ND	ND	ND	ND		
Benzo[e]fluoranthene	0.8	56		ND	ND	0.574	ND	0.59	ND	0.116 J	ND	ND	ND	ND	ND	0.0613 J	ND	0.211	ND		
Chrysene	1	56		ND	0.214 J	0.59	ND	0.414	ND	0.152 J	ND	0.123 J	ND	ND	ND	0.0597 J	ND	0.222	ND		
Dibenz[a,h]anthracene	0.33	0.56		ND	ND J	0.104 J	ND	ND	ND	ND J	ND	ND	ND	0.242	ND	ND	ND	ND	ND		
Dibenzofuran	7	350		ND	ND J	0.079 J	ND	ND	ND	ND	ND	ND	ND	0.15 J	ND	ND	ND	ND	ND		
Fluoranthene	100	500		ND	0.298 J	1.54	ND	0.589	ND	0.658	ND	0.138 J	ND	ND	ND	0.135 J	ND	0.469	ND		
Fluorene	30	500		ND	ND	0.158 J	ND	ND	ND	ND	ND	ND	ND	0.284	ND	ND	ND	ND	ND		
Hexachlorobenzene	0.33	6		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
Indeno[1,2,3-c,d]pyrene	0.5	5.6		ND	ND J	0.286	ND	0.162 J	ND	ND	ND	ND	ND	0.423	ND	ND	ND	0.089 J	ND		
Naphthalene	12	500		ND	ND	0.106 J	ND	ND	ND	ND	ND	ND	ND	0.0982 J	ND	ND	ND	ND	ND		
Pentachlorophenol	0.8	6.7		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
Phenanthrene	100	500		ND	0.112 J	1.12	ND	0.325 J	ND	0.505	ND	0.11 J	ND	ND	ND	0.0835 J	ND	0.241	ND		
Pyrene	100	500		ND	0.321 J	1.33	ND	0.489	ND	0.46	ND	0.179 J	ND	ND	ND	0.14 J	ND	0.44	ND		
PCBs																					
Aroclor 1248	NE	NE		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
Aroclor 1254	NE	NE		0.429	0.461	ND	ND	0.652	ND	ND	ND	0.223	ND	0.0502	ND	ND	ND	ND	ND		
Aroclor 1260	NE	NE		ND	ND	ND	ND	ND	ND	ND	ND	0.418	ND	ND	ND	ND	ND	ND	ND		
Total PCBs	0.1	1		0.429	0.461	ND	ND	0.652	ND	ND	ND	0.641	ND	0.0502	ND	ND	ND	ND	ND		
Pesticides/Herbicides																					
2,4,5-TP (Silvex)	3.8	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
4,4'-DDD	0.0033	92		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
4,4'-DDE	0.0033	62		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
4,4'-DDT	0.0033	47		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0061	ND		
alpha-BHC	0.02	3.4		ND	ND	ND	ND	0.0198	ND	ND	ND	0.113	ND	0.00741	ND	ND	ND	ND	ND		
beta-BHC	0.036	3		ND	ND	ND	ND	0.0359	ND	ND	ND	0.139	ND	ND	ND	ND	ND	ND	ND		
delta-BHC	0.04	500		ND	ND	ND	ND	0.013	ND	ND	ND	0.12	ND	ND	ND	ND	ND	ND	ND		
gamma-BHC (Lindane)	0.1	9.2		ND	ND	ND	ND	0.0116	ND	ND	ND	0.113	ND	ND	ND	ND	ND	ND	ND		
Metals																					
Arsenic	13	16		3.38	3.11	21.8	5.25	4.97	3.77	12	2.46	5.38	4.36	6.94	2.26	5.6	2.03	2.78	3.66		
Barium	350	400		74.9	63.3	63	44.6	64.1	119	62.8	39.9	119	69	92.6	86.5	80.8	63.4	97.1	128		
Beryllium	7.2	590		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
Cadmium	2.5	9.3		ND	5.46	ND	ND	5.22	ND	ND	ND	ND	ND	2.25	ND	ND	0.338	ND	ND		
Chromium, Trivalent	30	1,500		20.7	19.8	25.5	18	58.9	25	15.6	8.29	127	17.3	28.6	10.7	16.9	7.85	63.7	22.6		
Chromium, Hexavalent	1	400		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
Chromium, Total	NE	NE		20.7	19.8	25.5	18	38.9	25	15.6	8.29	127	17.3	28.6	10.7	16.9	7.85	63.7	22.6		
Copper	50	270		16.5 J	55.5 J	18 J	23.4 J	83.1 J	19.5	12	11.4	41.2	16.1	38.8	11.1	20.9	8.44	42.6	21.3		
Lead	63	1,000		160	279	22.4	8.19	124	8.3	28.3	4.73	61.4	7.17	55.8	4.33	7.53	23.2	34.2	8.51		
Manganese	1,600	10,000		331	294	274	512	280	529	341	258	532	369	450	537	386	538	257	566		
Mercury	0.18	2.8		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.463	0.00517	0.0183	0.00584	ND	ND		
Nickel	30	310		9.73	25.9	22.7	29.3	31.6	40.5	16.9	15.6	35.8	24.2	22.9	16.7	26.9	11.3	41.5	35.9		
Selenium	3.9	1,500		ND	ND	ND	ND	3.6	ND	ND	ND	1.5	ND	ND	ND	ND	ND	ND	ND		
Zinc	109	10,000		197	203	60.8	51.1	119	65.2	44.3	73.4	192	61.5	817	34.7	122	187	175 J	57.7 J		
Cyanide																					
Cyanide	27	27		ND	ND	ND	ND	ND	ND	ND	ND	1.14	ND	0.704	ND	ND	ND	ND	ND		

Notes:

ND = Not detected above laboratory reporting limits

NE = Not established

J = Detected below the Reporting Limit but greater than or equal to the

Method Detection Limit (MDL); therefore, the result is an estimated

Indicates exceedance of the Unrestricted Use Objectives

Indicates exceedance of the Restricted Commercial Objectives

Table 1
Soil Analytical Results - July 2013 Remedial Investigation
1705 Factory Outlet Boulevard
Niagara, New York
Langan Project No.: 140091402

Parameters	NYSDEC Subpart 375-6: Remedial Program Soil Cleanup Objectives		Sample ID	Sample Date	Sampling Depth	Units	LSB-9-A-20130627	LSB-9-B-20130627	LSB-10-A-20130627	LSB-10-B-20130627	LSB-11-A-20130624	LSB-11-B-20130624	LSB-12-A-20130626	LSB-12-B-20130626	LSB-13-A-20130626	LSB-14-A-20130627	LSB-14-B-20130627	LSB-15-A-20130627	LSB-15-B-20130627	LSB-16-A-20130627	LSB-16-B-20130627
	Unrestricted Use Objectives	Restricted Commercial	Sample Medium	6/27/2013	4-6' mg/kg Sand	8-10' mg/kg Clay	1.5-4' mg/kg Fill-Sand	4-6' mg/kg Fill-Sand/Clay	1-3' mg/kg Fill-Sand	4-6' mg/kg Sand	2-4' mg/kg Fill-Sand	6-8' mg/kg Clay	3-4' mg/kg Fill-Silty Sand	1-3' mg/kg Fill-Sand/Silty Clay	4-5' mg/kg Fill-Silty Clay	1-3' mg/kg Fill-Sand	5-7' mg/kg Fill-Silty Sand	2.5-4' mg/kg Fill-Silty Sand	6-8' mg/kg Fill-Silty Sand	6/27/2013	
VOCs																					
1,1-Dichloroethane	0.27	240		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.023	ND	
1,2,4-Trimethylbenzene	3.6	190		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1,2-Dichlorobenzene	1.1	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1,3,5-Trimethylbenzene	8.4	190		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1,3-Dichlorobenzene	2.4	280		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1,4-Dichlorobenzene	1.8	130		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
2-Butanone	0.12	500		ND	ND	0.0038 J	ND	0.0025 J	0.0027 J	0.015 J	ND	0.0044 J	ND	ND	0.022 J	ND	0.0064 J	0.0039 J	ND	ND	
Acetone	0.05	500		0.0031 J	0.0059 J	0.018	0.012	ND	ND	0.045 J	0.0044 J	0.023 J	0.0093 J	0.0097 J	0.0056 J	0.069 J	ND	ND	0.019 J	ND	
Benzene	0.06	44		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.003 J	0.0053	ND	
Chlorobenzene	1.1	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0025 J	ND	
cis-1,2-Dichloroethylene	0.25	500		ND	0.038	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0042 J	0.0032 J	ND	
Ethyl Benzene	1	390		ND	ND	ND	ND	ND	ND	ND	0.0034 J	ND	ND	ND	ND	ND	ND	0.022	ND	ND	
Methylene chloride	0.05	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0074 J	ND	ND	ND	ND	ND	ND	ND	
o-Xylene	0.26	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
p- & m- Xylenes	0.26	600		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
sec-Butylbenzene	1.1	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Toluene	0.7	500		ND	ND	ND	ND	ND	ND	0.0038 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Trichloroethylene (TCE)	0.47	200		ND	0.055	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0048 J	0.0027 J	ND	
Vinyl Chloride	0.02	13		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0041 J	ND	
Xylenes, Total	0.26	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
SVOCs																					
Acenaphthene	20	500		ND	ND	0.218 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Acenaphthylene	100	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Anthracene	100	500		ND	ND	0.312 J	ND	ND	ND	0.084 J	ND	ND	ND	ND	ND	ND	ND	ND	0.111 J	ND	
Benzo[a]anthracene	1	5.6		ND	ND	0.768	ND	ND	ND	0.335	ND	ND	ND	ND	ND	ND	ND	ND	0.391 J	ND	
Benzo[a]pyrene	1	1		ND	ND	0.573 J	ND	ND	ND	0.284 J	ND	ND	ND	ND	ND	ND	ND	ND	0.377 J	ND	
Benzo[b]fluoranthene	1	5.6		ND	ND	0.792 J	ND	ND	ND	0.486 J	ND	ND	ND	ND	ND	ND	ND	ND	0.323 J	ND	
Benzo[k]fluoranthene	100	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Benzo[e]pyrene	0.8	56		ND	ND	0.828 J	ND	ND	ND	0.574	ND	ND	ND	ND	ND	ND	ND	ND	0.39 J	ND	
Chrysene	1	56		ND	ND	0.707	ND	ND	0.056 J	0.516	ND	ND	ND	ND	ND	ND	ND	ND	0.355 J	ND	
Dibenz[a,h]anthracene	0.33	0.56		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Dibenzofuran	7	350		ND	ND	0.118 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Fluoranthene	100	500		ND	ND	1.19	ND	ND	0.114 J	0.607	ND	0.0588 J	ND	ND	ND	ND	ND	2.07 J	0.651	ND	
Fluorene	30	500		ND	ND	0.15 J	ND	ND	ND	0.0579 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Hexachlorobenzene	0.33	6		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Indeno[1,2,3-c,d]pyrene	0.5	5.6		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.146 J	ND	
Naphthalene	12	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Pentachlorophenol	0.8	6.7		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Phenanthrene	100	500		ND	ND	0.868	ND	ND	ND	0.378	ND	ND	ND	ND	ND	ND	ND	1.59 J	0.468	ND	
Pyrene	100	500		ND	ND	1.13	ND	ND	ND	0.122 J	0.806 J	ND	0.0543 J	ND	ND	ND	ND	2.43 J	0.549	ND	
PCBs																					
Aroclor 1248	NE	NE		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0555	
Aroclor 1254	NE	NE		ND	ND	0.0805	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Aroclor 1260	NE	NE		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Total PCBs	0.1	1		ND	ND	0.0805	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0555	
Pesticides/Herbicides																					
2,4,5-TP (Silvex)	3.8	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
4,4'-DDD	0.0033	92		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
4,4'-DDE	0.0033	62		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
4,4'-DDT	0.0033	47		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
alpha-BHC	0.02	3.4		ND	ND	0.00475	ND	ND	ND	ND	ND	ND	ND	ND	1.55	ND	ND	ND	0.0173	ND	
beta-BHC	0.036	3		ND	ND	0.00571	ND	ND	ND	ND	ND	ND	ND	ND	0.739	ND	ND	ND	0.0864	ND	
delta-BHC	0.04	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
gamma-BHC (Lindane)	0.1	9.2		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Metals																					
Arsenic	13	16		3.25	5.91	5.34	6.75	2.51	3.34	5.56	3.57	2.79	ND	3.66	3.15	5.66	6.71	4.25			
Barium	350	400		29.3	156	314	56.7	39.6	32.7	81.3	119	29.5	28.2	39	33.3	37.5	160	124			
Beryllium	7.2	590		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
Cadmium	2.5	9.3		ND	ND	1.24	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.55			
Chromium, Trivalent	30	1,500		8.97	25.4	145	12	10.6	29.7	25.6	11.3	873	10.4	15.5	11.5	108	125				
Chromium, Hexavalent	1	400		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
Chromium, Total	NE	NE		8.97	25.4	145	12	10.6	29.7	25.6	11.3	873	10.4	15.5	11.5	108	125				
Copper	50	270		14.3	22.8	138	32.6	10.8	18.1	66	20.7	12.2	5.5	23.8	10.1 J	25.4 J	27.5 J	44.4 J			
Lead	63	1,000		4.75	11.4	11,900	9.89	5.57	8.62	37.8	8.6	6.97	20.3	7.18	8.15	9.33	1,250	101			
Manganese	1,600	10,000		279	812	308	387	340	354	490	493	192	2,420	422	231	365	393	532			
Mercury	0.18	2.8		ND	ND	0.169	ND	0.0165 J	0.0376 J	0.0728	0.012	0.0379	ND	ND	ND	ND	ND	0.256	ND		
Nickel	30	310		16.3	44.6	35.1	23.2	14.3	16.2	37.8	35.8	15.8	54.7	22.7	17.3	24.2	24.7	29.1			
Selenium	3.9	1,500		ND	ND	ND	ND	1.28	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.55	ND		
Zinc	109	10,000		57.5 J	63.7 J	233	95.7	53.2	52.4	143	60.9	43.3	86.6 J	56 J	43.2	75.8	291	359			
Cyanide																					
	27	27		ND	ND	ND	ND	1.76	ND	2.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	

Notes:
ND = Not detected above laboratory reporting limits
NE = Not established
J = Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL); therefore, the result is an estimated

Indicates exceedance of the Unrestricted Use Objectives

Table 1
Soil Analytical Results - July 2013 Remedial Investigation
1705 Factory Outlet Boulevard
Niagara, New York
Langan Project No.: 140091402

	NYSDEC Subpart 375-6: Remedial Program Soil Cleanup Objectives		Sample ID	LSB-17-A-20130627	LSB-17-B-20130627	LSB-18-A-20130626	LSB-18-B-20130626	LSB-19-A-20130624	LSB-19-B-20130624	LSB-20-A-20130624	LSB-20-B-20130624	LSB-21-A-20130626	LSB-21-B-20130626	LSB-22-A-20130626	LSB-22-B-20130626	LSB-23-A-20130626	LSB-23-B-20130626	LSB-23-S-20130702	LSB-24-A-20130626
	Unrestricted Use Objectives	Restricted Commercial	Sample Date	2-4'	10-12'	6/26/2013	6/26/2013	6/24/2013	6/24/2013	6/24/2013	6/24/2013	6/26/2013	6/26/2013	6/26/2013	6/26/2013	6/26/2013	6/26/2013	7/2/2013	6/26/2013
			Sampling Depth	2-4'	10-12'	1-3'	9.5-11.5'	1-3'	4-6'	2-4'	6-8'	2-4'	4-6'	2-4'	5-7'	2-4'	6-8'	3-4'	3-5'
			Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Parameters			Sample Medium	Fill-Silty Sand	Fill-Sand	Fill-Silty Sand	Clay	Fill-Silt	Clay	Fill-Sand	Sand	Fill-Sand	Fill-Silty Sand	Fill-Sand	Silty-Sand	Fill-Sand	Sand	Fill-Sand	Fill-Clay
VOCs																			
1,1-Dichloroethane	0.27	240		0.009	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	3.6	190		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	1.1	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	8.4	190		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	2.4	280		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	1.8	130		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	0.12	500		0.012	ND	0.0031 J	ND	0.0036 J	ND	0.013	ND	ND	ND	ND	ND	ND	ND	ND	0.012
Acetone	0.05	500		0.044	0.006 J	0.015 J	0.0049 J	ND	ND	0.043 J	ND	ND	0.021	ND	ND	ND	ND	ND	0.031
Benzene	0.06	44		0.011	0.0068	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	1.1	500		0.0038 J	0.0046	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethylene	0.25	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethyl Benzene	1	390		0.0031 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	0.05	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0048 J	ND
o-Xylene	0.26	500		0.015	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p- & m- Xylenes	0.26	600		0.026	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	11	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	0.7	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethylene (TCE)	0.47	200		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	0.02	13		0.0044 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes, Total	0.26	500		0.041	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SVOCs																			
Acenaphthene	20	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	0.341	ND	ND	0.122 J	ND	ND	ND
Acenaphthylene	100	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	100	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	0.199	8.99 J	ND	0.26	ND	ND	ND
Benzo[a]anthracene	1	5.6		1.27 J	ND	ND	ND	ND	ND	0.139 J	ND	8.56 J	1.14	17.7	ND	0.993	ND	0.0946 J	0.165 J
Benzo[a]pyrene	1	1		0.891 J	ND	ND	ND	ND	ND	0.149 J	ND	7.85 J	0.878	18.9	ND	1.03	ND	0.117 J	0.213 J
Benzo[b]fluoranthene	1	5.6		0.81 J	ND	ND	ND	ND	ND	0.149 J	ND	9.82	1.43	11.2	ND	0.171 J	ND	0.174 J	0.21 J
Benzo[k]fluoranthene	100	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	0.167 J	6.74 J	ND	0.265	ND	ND	ND
Benzo[h]perylene	0.8	56		1.09 J	ND	ND	ND	ND	ND	0.157 J	ND	6.96 J	1.24	13.5	ND	1.33	ND	0.149 J	0.198 J
Chrysene	1	56		0.78 J	ND	ND	ND	ND	ND	0.153 J	ND	18.5	0.979 J	21.6	ND	1.25	ND	0.118 J	0.18 J
Dibenz[a,h]anthracene	0.33	0.56		ND J	ND	ND	ND	ND	ND	ND	ND	ND	0.0929 J	2.91 J	ND	0.129 J	ND	ND J	ND
Dibenzofuran	7	350		ND	ND	ND	ND	ND	ND	ND	ND	ND	0.224	ND	ND	0.0706 J	ND	ND	ND
Fluoranthene	100	500		2.13	ND	ND	ND	ND	ND	0.267	ND	22.8	1.18 J	52	ND	1.42	ND	0.153 J	0.295
Fluorene	30	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	0.223	ND	ND	0.125 J	ND	ND	ND
Hexachlorobenzene	0.33	6		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno[1,2,3-c,d]pyrene	0.5	5.6		ND J	ND	ND	ND	ND	ND	ND	ND	2.66 J	0.203	6.13 J	ND	0.254	ND	ND J	0.0816 J
Naphthalene	12	500		0.605 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentachlorophenol	0.8	6.7		ND	ND	ND	ND	ND	ND	ND	ND	ND J	ND	ND J	ND	ND	ND	ND J	ND
Phenanthrene	100	500		1.72 J	ND	ND	ND	ND	ND	0.162 J	ND	9.5	1.45	33.5	ND	0.984	ND	0.106 J	0.203 J
Pyrene	100	500		2.32 J	ND	ND	ND	ND	ND	0.257	ND	26	1.47 J	57.7	ND	0.185 J	ND	0.204 J	0.257 J
PCBs																			
Aroclor 1248	NE	NE		ND	ND	ND	ND	ND	ND	ND	ND	0.996	0.0602	2.52	ND	ND	ND	ND	ND
Aroclor 1254	NE	NE		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.503	ND	0.18	ND
Aroclor 1260	NE	NE		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total PCBs	0.1	1		ND	ND	ND	ND	ND	ND	ND	ND	0.996	0.0602	2.52	ND	0.503	ND	0.18	ND
Pesticides/Herbicides																			
2,4,5-TP (Silvex)	3.8	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND J	ND
4,4'-DDD	0.0033	92		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDE	0.0033	62		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDT	0.0033	47		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
alpha-BHC	0.02	3.4		0.0123	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
beta-BHC	0.036	3		0.0112	0.048	ND	ND	ND	ND	ND	ND	ND	ND	0.0176	ND	ND	ND	ND	ND
delta-BHC	0.04	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0394	ND	ND	ND	ND	ND
gamma-BHC (Lindane)	0.1	9.2		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0734	ND	ND	ND	ND	ND
Metals																			
Arsenic	13	16		5.25	2.76	4.18	2.42	5.76	1.34	4.26	2.52	7.62	2.77	ND	2.6	ND	4.43	ND	3.7
Barium	350	400		73.2	66.5	41.1	108	68.2	22.2	70.4	51.6	81.1	62.5	241	45	54.2	32.5	58	82.6
Beryllium	7.2	590		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	2.5	9.3		ND	ND	ND	ND	ND	ND	ND	0.554	ND	ND	0.575	ND	ND	ND	ND	ND
Chromium, Trivalent	30	1,500		95.1	308	11.2	17.7	16.6	7.83	30.4	6.42	94.1	139	1,940	8.67	1,680	11.4	5,330	80.9
Chromium, Hexavalent	1	400		ND J	ND J	ND	ND	ND	ND	ND	ND	ND	ND	44.4	ND	8.88	ND	506	ND
Chromium, Total	NE	NE		95.1	308	11.2	17.7	16.6	7.83	30.4	6.42	94.1	139	1,980	8.67	1,690	11.4	6,440	80.9
Copper	50	270		32.9	22.4	12.8	22.1	17	9.14	16.9	12.2	146	56.4	26.6	15.8	12.5	21.8	14	15.6
Lead	63	1,000		47.5	35.1	5.86	7.01	10.7	3.15	20	20	43.8	18.5	54.8	6.35	7.09	15.8	29.9	29.9
Manganese	1,600	10,000		473	586	306	585	168	166	202	593	394	318	396	235	919	297	946	194
Mercury	0.18	2.8		ND	ND	0.0175	0.0104	0.143 J	0.0225 J	0.315 J	0.00955 J	0.43 J	0.0537 J	0.235 J	0.0156 J	0.0673 J	0.0143 J	ND	0.102 J
Nickel	30	310		31.7	33.8	17.7	25.7	22.6	11.3	26.9	9.74	92.5	39.9	137	15.8	137	18.7	289	28.6
Selenium	3.9	1,500		1.43	ND	ND	ND	1.42	ND	1.75	ND	ND	ND	ND	ND	ND	ND	ND	ND
Zinc	109	10,000		152	103	52.3	56.6	91.8	38.3	72.6	216	137	90.1	128	42.2	33.4	53.4	ND	82.5
Cyanide																			
	27	27		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.716	ND

Notes:

ND = Not detected above laboratory reporting limits

NE = Not established

J = Detected below the Reporting Limit but greater than or equal to the

Method Detection Limit (MDL); therefore, the result is an estimated

Indicates exceedance of the Unrestricted Use Objectives

Indicates exceedance of the Restricted Commercial Objectives

Table 1
Soil Analytical Results - July 2013 Remedial Investigation
1705 Factory Outlet Boulevard
Niagara, New York
Langan Project No.: 140091402

Parameters	NYSDEC Subpart 375-6: Remedial Program Soil Cleanup Objectives		Sample ID Sample Date Sampling Depth Units Sample Medium	LSB-24-B-20130626	LSB-25-A-20130626	LSB-25-B-20130626	LSB-26-A-20130626	LSB-26-B-20130626	LSB-27-A-20130626	LSB-27-B-20130626	LSB-28-A-20130626	LSB-28-B-20130626	LSB-29-A-20130626	LSB-29-B-20130626	LSB-30-A-20130626	LSB-31-A-20130627	LSB-31-B-20130627	LSB-32-A-20130626	LSB-32-B-20130626
	Unrestricted Use Objectives	Restricted Commercial		6/26/2013 5-7' mg/kg Sand	6/26/2013 3-5' mg/kg Fill-Sand	6/26/2013 10-12' mg/kg Silty Clay	6/25/2013 4-6' mg/kg Fill-Sand	6/25/2013 10-12' mg/kg Clay	6/25/2013 2-4' mg/kg Fill-Sand	6/25/2013 14-16' mg/kg Clay	6/25/2013 1-3' mg/kg Fill-Sand	6/25/2013 4-5.5' mg/kg Clay	6/26/2013 2-4' mg/kg Fill-Sand	6/26/2013 10-12' mg/kg Clay	6/26/2013 4-6' mg/kg Fill-Sand	6/27/2013 0-2' mg/kg Fill-Sand	6/27/2013 2-4' mg/kg Fill-Sand	6/26/2013 3-5' mg/kg Fill-Sand	6/26/2013 6-8' mg/kg Clay
VOCs																			
1,1-Dichloroethane	0.27	240		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	3.6	190		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	1.1	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	8.4	190		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	2.4	280		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	1.8	130		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	0.12	500		ND	0.011	ND	0.011	ND	0.0045	ND	ND	ND	0.013 J	ND	0.0089	ND	0.026	ND	ND
Acetone	0.05	500		ND	0.032	ND	0.035	ND	0.021	ND	ND	ND	0.039 J	0.0026 J	0.026	0.0039 J	0.072	ND	ND
Benzene	0.06	44		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	1.1	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethylene	0.25	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethyl Benzene	1	390		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	0.05	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0049 J	ND
o-Xylene	0.26	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p- & m- Xylenes	0.26	600		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	11	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	0.7	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethylene (TCE)	0.47	200		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	0.02	13		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes, Total	0.26	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SVOCs																			
Acenaphthene	20	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND J	ND	ND
Acenaphthylene	100	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND J	ND	ND
Anthracene	100	500		ND	ND	ND	ND	ND	0.0576 J	ND	ND	ND	ND	ND	ND	0.136 J	ND	0.0886 J	ND
Benzo[a]anthracene	1	5.6		ND	ND	ND	0.105 J	ND	0.414	ND	ND	ND	0.0941 J	ND	ND	0.847	0.244 J	0.396	ND
Benzo[a]pyrene	1	1		ND	ND	ND	0.114 J	ND	0.435	ND	ND	ND	0.117 J	ND	ND	0.825	0.301	0.361	ND
Benzo[b]fluoranthene	1	5.6		ND	ND	ND	0.115 J	ND	0.472	ND	ND	ND	0.116 J	ND	0.076 J	0.771	0.222 J	0.61	ND
Benzo[k]fluoranthene	100	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.186 J	0.149 J	ND
Benzo[e]pyrene	0.8	56		ND	ND	ND	0.148 J	ND	0.491	ND	ND	ND	0.105 J	ND	ND	1.02	0.278 J	0.51	ND
Chrysene	1	56		ND	ND	ND	0.102 J	ND	0.35	ND	ND	ND	0.0965 J	ND	0.0524 J	0.651	0.236 J	0.539	ND
Dibenz[a,h]anthracene	0.33	0.56		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0938 J	0.0874 J	ND
Dibenzofuran	7	350		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND J	ND	ND
Fluoranthene	100	500		ND	ND	ND	0.106 J	ND	0.688	ND	ND	ND	0.121 J	ND	0.0666 J	1.09	0.408	0.623	ND
Fluorene	30	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND J	ND	ND
Hexachlorobenzene	0.33	6		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno[1,2,3-c,d]pyrene	0.5	5.6		ND	ND	ND	ND	ND	0.0902 J	ND	ND	ND	0.0738 J	ND	ND	0.281 J	0.193 J	0.151 J	ND
Naphthalene	12	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentachlorophenol	0.8	6.7		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND J	ND
Phenanthrene	100	500		ND	ND	ND	0.117 J	ND	0.27	ND	ND	ND	0.108 J	ND	0.0528 J	0.432	0.293 J	0.403	ND
Pyrene	100	500		ND	ND	ND	0.126 J	ND	0.774 J	ND	ND	ND	0.125 J	ND	0.0853 J	0.977	0.317	0.79 J	ND
PCBs																			
Aroclor 1248	NE	NE		ND	ND	ND	1.71	ND	0.149	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1254	NE	NE		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.441	ND
Aroclor 1260	NE	NE		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total PCBs	0.1	1		ND	ND	ND	1.71	ND	0.149	ND	ND	ND	ND	ND	ND	ND	ND	0.441	ND
Pesticides/Herbicides																			
2,4,5-TP (Silvex)	3.8	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0477
4,4'-DDD	0.0033	92		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDE	0.0033	62		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDT	0.0033	47		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
alpha-BHC	0.02	3.4		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
beta-BHC	0.036	3		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
delta-BHC	0.04	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-BHC (Lindane)	0.1	9.2		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Metals																			
Arsenic	13	16		2.92	2.75	1.99	6.38	4.27	ND	1.76	2.76	2.43	3.66	6.43	2.84	ND	4.01	ND	1.97
Barium	350	400		31.8	47.1	49.7	91.9	146	62.5	49.4	34.4	48.8	50.2	119	34.3	67.3	81.6	116	47.8
Beryllium	7.2	590		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	2.5	9.3		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chromium, Trivalent	30	1,500		8.99	13.1	9.81	224	26.9	698	11.8	15.9	12.7	23.4	24.4	38.5	2,010	129	2,860	12.1
Chromium, Hexavalent	1	400		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	22.6 J	ND J	3.04	ND
Chromium, Total	NE	NE		8.99	13.1	9.81	224	26.9	698	11.8	15.9	12.7	23.4	24.4	38.5	2,030	129	2,860	12.1
Copper	50	270		12.8	23.2	9.18	94.1	21.6	20.6	7.44	8.5	20.3	12.8	24.6	11	21.5	24.9	30.2	11.6
Lead	63	1,000		4.45	16.4	3.9	75	9.38	21.9	19.1	7.74	6.49	13.1	9.46	18.1	16	42.7	46	5.62
Manganese	1,600	10,000		319	242	290	810	577	366	493	170	145	249	597	379	993	270	2,760	312
Mercury	0.18	2.8		0.015 J	0.0481	0.01	0.799 J	0.0117 J	0.583	0.00619	0.0399	0.0314	0.105	0.0142	0.056 J	ND	ND	0.423 J	0.0139 J
Nickel	30	310		15.7	20.5	16.7	37.8	37.8	59	11.1	16.3	20.8	23.7	44.5	17.7	249	41.8	150	17.2
Selenium	3.9	1,500		ND	ND	ND	138	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Zinc	109	10,000		45.2	89.2	42.7	138	59.1	73.2 J	160 J	45.2 J	66.2 J	56.8	62.7	57.8	34	86.1	92.1	49
Cyanide																			
	27	27		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

ND = Not detected above laboratory reporting limits

NE = Not established

J = Detected below the Reporting Limit but greater than or equal to the

Method Detection Limit (MDL); therefore, the result is an estimated

Indicates exceedance of the Unrestricted Use Objectives

Indicates exceedance of the Restricted Commercial Objectives

Table 1
Soil Analytical Results - July 2013 Remedial Investigation
1705 Factory Outlet Boulevard
Niagara, New York
Langan Project No.: 140091402

NYSDEC Subpart 375-6: Remedial Program Soil Cleanup Objectives			Sample ID	LSB-33-A-20130627	LSB-33-B-20130627	LSB-34-A-20130626	LSB-34-B-20130626	LSB-35-A-20130625	LSB-35-B-20130625	LSB-36-A-20130626	LSB-36-B-20130626	LSB-37-A-20130628	LSB-37-B-20130628	LSB-38-A-20130628	LSB-38-B-20130628	LSB-39-A-20130703	LSB-39-B-20130703	LSB-40-A-20130626	LSB-40-B-20130626
Parameters	Unrestricted Use Objectives	Restricted Commercial	Sample Date	0-2' mg/kg Fill-Sand	4-6' mg/kg Clay	3-4.5' mg/kg Fill-Clay	6-8' mg/kg Sand/Clay	2-4' mg/kg Fill-Sand	4-5.5' mg/kg Clay	1-3' mg/kg Fill-Sand	10-12' mg/kg Clay	5-7' mg/kg Sand	8-10' mg/kg Clay	0-2' mg/kg Fill-Sand	2-4' mg/kg Fill-Sand	7/3/2013 3-5' mg/kg Fill-Clay	7/3/2013 6-8' mg/kg Sand/Clay	4-6' mg/kg Fill-Sand	6-8' mg/kg Fill-Sand
			Sampling Depth Units	Sample Medium															
VOCs																			
1,1-Dichloroethane	0.27	240		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	3.6	190			0.015	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	1.1	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	8.4	190		ND	0.0075 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	2.4	280		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	1.8	130		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	0.12	500		ND	0.022	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0037 J	ND	ND
Acetone	0.05	500		ND	0.065	ND	ND	ND	ND	0.0073 J	0.0023 J	ND	ND	ND	ND	ND	0.018 J	ND	0.0058 J
Benzene	0.06	44		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	1.1	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethylene	0.25	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethyl Benzene	1	390		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	0.05	500		ND	ND	ND	ND	0.015	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	0.26	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p- & m- Xylenes	0.26	600		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	11	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	0.7	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethylene (TCE)	0.47	200		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	0.02	13		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes, Total	0.26	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SVOCs																			
Acenaphthene	20	500		ND	ND	ND	ND	0.198 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	100	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	100	500		0.0486 J	ND	ND	ND	0.562	ND	ND	ND	ND	ND	ND	0.223 J	ND	ND	ND	ND
Benzo[a]anthracene	1	5.6		0.175 J	0.167 J	ND	ND	0.796	ND	0.0866 J	ND	ND	ND	ND	0.121 J	1.73	0.142 J	ND	0.171 J
Benzo[a]pyrene	1	1		0.181 J	0.189 J	ND	ND	0.571	ND	0.1 J	ND	ND	ND	ND	0.133 J	0.73	0.208 J	ND	0.166 J
Benzo[b]fluoranthene	1	5.6		0.16 J	0.153 J	ND	ND	0.572	ND	0.0991 J	ND	ND	ND	ND	0.13 J	1.58	0.146 J	ND	0.128 J
Benzo[b]k,iperylene	100	500		ND	ND	ND	ND	0.32	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[k]fluoranthene	0.8	56		0.163 J	0.162 J	ND	ND	0.514	ND	0.0912 J	ND	ND J	ND J	0.117 J	1.44 J	0.146 J	ND	0.149 J	ND
Chrysene	1	56		0.179 J	0.168 J	ND	ND	0.705	ND	0.154 J	ND	ND	ND	0.148 J	2.62	0.154 J	ND	0.258 J	ND
Dibenz[a,h]anthracene	0.33	0.56		ND	ND	ND	ND	0.173 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	7	350		ND	ND	ND	ND	0.347	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.162 J
Fluoranthene	100	500		0.341	0.379	ND	ND	1.7	ND	0.237	ND	ND	ND	0.263	1.98	0.222	ND	0.533 J	ND
Fluorene	30	500		ND	ND	ND	ND	0.166 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	0.33	6		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno[1,2,3-c,d]pyrene	0.5	5.6		0.0821 J	0.0931 J	ND	ND	0.336	ND	ND	ND	ND	ND	0.0747 J	ND	0.06 J	ND	0.0749 J	ND
Naphthalene	12	500		ND	ND	ND	ND	0.135 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentachlorophenol	0.8	6.7		ND	ND	ND J	ND J	ND J	ND	ND J	ND J	ND	ND	ND	ND	ND	ND	ND J	ND J
Phenanthrene	100	500		0.201	0.222 J	ND	ND	3.52	ND	0.151 J	ND	ND	ND	0.133 J	0.71	0.14 J	ND	0.345 J	0.442 J
Pyrene	100	500		0.408	0.346	ND	ND	1.31	ND	0.233	ND	ND	ND	0.233	1.64	0.327 J	ND	0.487 J	ND
PCBs																			
Aroclor 1248	NE	NE		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1254	NE	NE		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0513	ND
Aroclor 1260	NE	NE		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total PCBs	0.1	1		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0513	ND
Pesticides/Herbicides																			
2,4,5-TP (Silvex)	3.8	500		ND	ND	ND	ND	ND J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDD	0.0033	92		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDE	0.0033	62		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDT	0.0033	47		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
alpha-BHC	0.02	3.4		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
beta-BHC	0.036	3		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
delta-BHC	0.04	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-BHC (Lindane)	0.1	9.2		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Metals																			
Arsenic	13	16		2.78	4.12	ND	2.13	ND	5.38	ND	5.8	3.28	5.71	ND	7.48	5.24	2.53	ND	2.15
Barium	350	400		68.5	80.9	58.2	44.7	192	35.1	83.3	109	48.7	121	89.5	121	72.4	38.2	58.3	40
Beryllium	7.2	590		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	2.5	9.3		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chromium, Trivalent	30	1,500		141	41.1	1,500	12.3	4,730	14.6	4,320	65.5	9.53	21.6	895	73.4	23	11.2	4,980	14.6
Chromium, Hexavalent	1	400		ND J	ND	47.8	ND	87.3	ND	150	ND	ND	ND	ND	ND	ND	ND	55.1	ND
Chromium, Total	NE	NE		141	41.1	1,550	12.3	4,820	14.6	4,470	65.5	9.53	21.6	895	73.4	23	11.2	5,040	14.6
Copper	50	270		14.5	14.8	10.6	10.1	32.3	25.2	20.6	25.8	13.3	24.8	35.3	26.1	18.4	10	26.2	12.6
Lead	63	1,000		37.9	23.6	10.7	5.98	19.9	6.17	32.8	10.8	5.28	10.9	53.9	117	41.1	6	12.2	4.75
Manganese	1,600	10,000		348	170	300	394	6,970	727	988	358	786	391	533	563	534 J	176 J	1,230	437
Mercury	0.18	2.8		ND	ND	0.258 J	0.0158 J	0.196 J	0.019 J	3.86	0.02	ND	ND	ND	ND	0.161	ND	0.759 J	0.0174 J
Nickel	30	310		22.9	23.3	114	20.5	254	19.7	252	40	19.4	35.4	424	39.1	20.6	14.5	739	18.2
Selenium	3.9	1,500		ND	1.77	ND	ND	3.36	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Zinc	109	10,000		87.4	64.4 J	46.8	49.9	40	48.4	22.3	64	40.6	60.4	96.2	90.4	80.1 J	42.6 J	8.65	42.4
Cyanide	27	27		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

ND = Not detected above laboratory reporting limits

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J = Detected below the Reporting Limit but greater than or equal to the

Method Detection Limit (MDL); therefore, the result is an estimated

Indicates exceedance of the Unrestricted Use Object

Table 1
Soil Analytical Results - July 2013 Remedial Investigation
1705 Factory Outlet Boulevard
Niagara, New York
Langan Project No.: 140091402

Parameters	NYSDEC Subpart 375-6: Remedial Program Soil Cleanup Objectives		Sample ID Sample Date Sampling Depth Units Sample Medium	LSB-41-A-20130626	LSB-41-B-20130626	LSB-42-A-20130626	LSB-42-B-20130626	LSB-43-A-20130625	LSB-43-B-20130625	LSB-44-A-20130703	LSB-44-B-20130703	LSB-45-A-20130702	LSB-45-B-20130702	LSB-46-A-20130626	LSB-46-B-20130626	LSB-47-A-20130625	LSB-47-B-20130625	LSB-48-A-20130628	LSB-48-B-20130628
	Unrestricted Use Objectives	Restricted Commercial		6/26/2013 3-5' mg/kg Fill-Sand	6/26/2013 10-12' mg/kg Sand	6/26/2013 3-5' mg/kg Fill-Sand	6/26/2013 10-12' mg/kg Clay	6/25/2013 2-4' mg/kg Fill-Sand	6/25/2013 6-8' mg/kg Clay	7/2/2013 1-3' mg/kg Fill-Sand	7/3/2013 5-7' mg/kg Silty Clay	7/2/2013 1.1-3.3' mg/kg Fill-Sand	7/2/2013 3.3-4.3' mg/kg Clay	6/26/2013 2-4' mg/kg Fill-Sand	6/26/2013 4-6' mg/kg Sand	6/25/2013 2-4' mg/kg Fill-Sand	6/25/2013 10-12' mg/kg Clay	6/28/2013 4-6' mg/kg Fill-Clay/Sand	6/28/2013 6-7.5' mg/kg Sand
				Fill-Sand	Sand	Fill-Sand	Clay	Fill-Sand	Clay	Fill-Sand	Silty Clay	Fill-Sand	Clay	Fill-Sand	Sand	Fill-Sand	Clay	Fill-Clay/Sand	Sand
VOCs																			
1,1-Dichloroethane	0.27	240		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	3.6	190		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	1.1	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	8.4	190		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	2.4	280		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	1.8	130		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	0.12	500		0.0048 J	ND	ND	ND	ND	ND	0.0029 J	ND	0.035	0.0074 J	ND	ND	ND	ND	ND	ND
Acetone	0.05	500		0.021 J	0.0025 J	ND	ND	ND	ND	0.021 J	ND	0.11	0.025 J	0.012 J	ND	ND	ND	ND	ND
Benzene	0.06	44		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	1.1	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethylene	0.25	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethyl Benzene	1	390		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	0.05	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	0.26	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p- & m- Xylenes	0.26	600		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	11	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	0.7	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethylene (TCE)	0.47	200		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	0.02	13		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes, Total	0.26	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SVOCs																			
Acenaphthene	20	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.232	ND	ND	ND	ND	ND
Acenaphthylene	100	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.512	ND	ND	ND	ND	ND
Anthracene	100	500		0.0958 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0754 J	ND	ND	ND	ND	ND
Benzo[a]anthracene	1	5.6		0.251 J	ND	ND	ND	ND	ND	0.137 J	ND	0.0953 J	0.168 J	1.9	ND	1.38	ND	ND	ND
Benzo[a]pyrene	1	1		0.25 J	ND	ND	ND	ND	ND	0.137 J	ND	0.124 J	0.281	1.93	ND	0.752	ND	ND	ND
Benzo[b]fluoranthene	1	5.6		0.2 J	ND	ND	ND	ND	ND	0.116 J	0.214 J	0.123 J	0.214 J	2.15	ND	2.1	ND	ND	ND
Benzo[k]fluoranthene	100	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.699	ND	ND	ND	ND	ND
Benzo[k]perylene	0.8	56		0.218 J	ND	ND	ND	ND	ND	0.147 J	ND	0.138 J	0.256	1.86	ND	1.36	ND	ND	ND
Chrysene	1	56		0.33 J	ND	ND	ND	ND	ND	0.129 J	ND	0.0976 J	0.193 J	2.47	ND	3.1	ND	ND	ND
Dibenz[a,h]anthracene	0.33	0.56		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.442	ND	0.0622 J	ND	ND	ND
Dibenzofuran	7	350		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.129 J	ND	ND	ND	ND	ND
Fluoranthene	100	500		0.648 J	ND	ND	ND	0.0841 J	ND	0.289	ND	0.162 J	0.298	2.8	ND	1.74	ND	ND	ND
Fluorene	30	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.253	ND	ND	ND	ND	ND
Hexachlorobenzene	0.33	6		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno[1,2,3-c,d]pyrene	0.5	5.6		0.0702 J	ND	ND	ND	ND	ND	0.0929 J	ND	ND	0.0606 J	0.783	ND	0.115 J	ND	ND	ND
Naphthalene	12	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0795 J	ND	ND	ND	ND	ND
Pentachlorophenol	0.8	6.7		ND J	ND J	ND	ND	ND J	ND	ND J	ND J	ND J	ND J	ND	ND	ND J	ND	ND	ND
Phenanthrene	100	500		0.358 J	ND	ND	ND	0.0576 J	ND	0.152 J	ND	0.0695 J	0.223 J	1.88	ND	0.334	ND	ND	ND
Pyrene	100	500		0.604 J	ND	ND	ND	0.0588 J	ND	0.215	ND	0.183 J	0.322	3.31 J	ND	2.76	ND	ND	ND
PCBs																			
Aroclor 1248	NE	NE		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1254	NE	NE		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0855	ND	ND	ND
Aroclor 1260	NE	NE		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total PCBs	0.1	1		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0855	ND	ND	ND
Pesticides/Herbicides																			
2,4,5-TP (Silvex)	3.8	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDD	0.0033	92		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDE	0.0033	62		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDT	0.0033	47		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
alpha-BHC	0.02	3.4		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.00412	ND	ND	ND	ND	ND
beta-BHC	0.036	3		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
delta-BHC	0.04	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-BHC (Lindane)	0.1	9.2		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Metals																			
Arsenic	13	16		8.02	3.21	3.72	3.52	ND	4.56	7.99	4.5	6.14	5.96	5.72	3.21	ND	4.1	4.06	1.29
Barium	350	400		54.8	175	73.3	132	46.6	71.2	106	69.7	240	90.8	86.2	74.9	66	162	42.4	40.4
Beryllium	7.2	590		ND	ND	ND	ND	ND	ND	ND	ND	ND	0.276	ND	0.25	ND	ND	ND	ND
Cadmium	2.5	9.3		ND	ND	ND	ND	ND	ND	ND	ND	0.449	ND	ND	ND	ND	ND	ND	ND
Chromium, Trivalent	30	1,500		77.7	27.8	43	28	2,370	20.8	103	16	15.2	37.6	158	16.8	4,360	31.8	11.2	8.85
Chromium, Hexavalent	1	400		ND	ND	ND	ND	11.1	ND	ND	ND	ND	ND	ND	ND	28.9	ND	ND	ND
Chromium, Total	NE	NE		77.7	27.8	43	28	2,381	20.8	103	16	15.2	37.6	158	16.8	4,390	31.8	11.2	8.85
Copper	50	270		33.4	21.3	12.8	26.4	12.3	19.3	32.6	18	27.3	18.7	29.6	11.6	16.1	24.2	21.4	5.97
Lead	63	1,000		78.1	8.19	10.5	6.74	14.3	6.49	83.7	8.01	341	23.5	50.8	9.66	42.5	6.91	7.36	3.98
Manganese	1,600	10,000		348	653	214	562	711	442	580 J	134 J	573	260	690	131	783	552	681	316
Mercury	0.18	2.8		0.279	0.0128	0.165	0.0196	0.021	0.0131 J	ND	ND	ND	ND	0.185	0.0269	0.314	0.0135	ND	ND
Nickel	30	310		21.5	43.2	24.7	43.8	154	24.4	28.3	23.6	18.3	32.6	49.9	26.3	242	40.3	22.9	14.8
Selenium	3.9	1,500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Zinc	109	10,000		161	60.9	67.4	64.6	16.9	45.6 J	107 J	66.6 J	339	105	110	74.3	23.4 J	66.2 J	46.4	37.6
Cyanide	27	27		1.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

ND = Not detected above laboratory reporting limits

NE = Not established

J = Detected below the Reporting Limit but greater than or equal to the

Method Detection Limit (MDL); therefore, the result is an estimated

Indicates exceedance of the Unrestricted Use Objectives

Indicates exceedance of the Restricted Commercial Objectives

Table 1
Soil Analytical Results - July 2013 Remedial Investigation
1705 Factory Outlet Boulevard
Niagara, New York
Langran Project No.: 140091402

Parameters	NYSDEC Subpart 375-6: Remedial Program Soil Cleanup Objectives		Sample ID	LSB-49-A-20130702	LSB-49-B-20130702	LSB-60-A-20130701	LSB-60-B-20130701	LSB-61-A-20130701	LSB-61-B-20130701	LSB-62-A-20130701	LSB-62-B-20130701	LSB-63-A-20130629	LSB-64-A-20130628	LSB-64-B-20130628	LSB-65-A-20130629	LSB-65-B-20130629	LSB-66-A-20130703	LSB-66-B-20130703	LSB-67-A-20130702
	Unrestricted Use Objectives	Restricted Commercial	Sample Date	7/2/2013	7/2/2013	7/1/2013	7/1/2013	7/1/2013	7/1/2013	7/1/2013	7/1/2013	6/29/2013	6/28/2013	6/28/2013	6/29/2013	6/29/2013	7/2/2013	7/3/2013	7/2/2013
			Sampling Depth	1.5-3.5' mg/kg	4-6' mg/kg	2-4' mg/kg	5-7' mg/kg	0.5-1.5' mg/kg	1.5-3' mg/kg	0-2' mg/kg	2-4' mg/kg	0.5-1' mg/kg	0-2' mg/kg	2-4' mg/kg	0-2' mg/kg	2-4' mg/kg	0-2' mg/kg	2-4' mg/kg	0-2' mg/kg
Sample Medium																			
Fill-Silt/Sand																			
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Indicates exceedance of the Restricted Commercial Objectives

Table 1
Soil Analytical Results - July 2013 Remedial Investigation
1705 Factory Outlet Boulevard
Niagara, New York
Langan Project No.: 140091402

Parameters	NYSDEC Subpart 375-6: Remedial Program Soil Cleanup Objectives		Sample ID	LSB-57-B-20130702	LSB-58-A-20130703	LSB-58-B-20130703	LSB-59-A-20130703	LSB-59-B-20130703	FD-10-2013-06-30 (LSB-60-B)	LSB-60-A-2013-06-30	LSB-60-B-2013-06-30	LSB-61-A-20130625	LSB-61-B-20130625	LSB-62-A-2013-06-30	LSB-63-A-2013-06-30	LSB-63-B-2013-06-30	LSB-64-A-20130628
	Unrestricted Use Objectives	Restricted Commercial	Sample Date	7/2/2013	7/2/2013	7/3/2013	7/3/2013	7/3/2013	6/30/2013	6/30/2013	6/30/2013	6/25/2013	6/25/2013	6/30/2013	6/30/2013	6/30/2013	6/28/2013
			Sampling Depth	5-7'	0-2'	2-4'	0-2'	2-4'	8-10'	1-3'	8-10'	1.5-3.5'	6-8'	0-2'	3-5'	5-7'	1-3'
			Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Sample Medium				Fill-Silty Sand	Fill	Fill	Fill-Sand	Fill-Sand	Clay	Fill-Clay	Clay	Fill-Sand	Sand	Fill-Sand	Fill-Sand	Silty Clay	Fill-Sand
VOCS																	
1,1-Dichloroethane	0.27	240		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	3.6	190		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	1.1	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	8.4	190		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	2.4	280		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	1.8	130		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	0.12	500		0.0072	0.0073 J	0.0043 J	0.0068 J	0.0034 J	ND J	ND	ND	ND	ND	ND	0.015 J	ND	0.0051
Acetone	0.05	500		0.023	0.031 J	0.02 J	0.033 J	0.022 J	ND J	ND	0.0026 J	ND	ND	ND	0.039 J	0.0093	0.022
Benzene	0.06	44		ND	0.0033 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	1.1	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethylene	0.25	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethyl Benzene	1	390		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	0.05	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	0.26	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p- & m- Xylenes	0.26	600		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	1.1	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	0.7	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethylene (TCE)	0.47	200		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	0.02	13		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes, Total	0.26	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SVOCs																	
Acenaphthene	20	500		0.541	ND	0.0912 J	ND	ND	ND	ND	ND	ND	ND	ND	0.0559 J	ND	ND
Acenaphthylene	100	500		0.159 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	100	500		1.95	0.101 J	0.195	ND	ND	ND	ND	ND	ND	ND	ND	0.058 J	ND	ND
Benz[a]anthracene	1	5.6		2.56	0.25 J	0.475 J	0.1 J	0.0752 J	0.174 J	ND	0.0964 J	ND	0.105 J	ND	0.238 J	ND	ND
Benz[a]pyrene	1	1		3.79 J	0.379 J	0.628 J	0.249 J	0.122 J	0.169 J	ND	0.0606 J	ND	0.106 J	ND	0.245 J	ND	ND
Benzo[b]fluoranthene	1	5.6		3.24 J	0.409 J	0.549 J	0.256 J	0.0972 J	0.215	ND	0.125 J	ND	0.0874 J	ND	0.18 J	ND	ND J
Benzo[g,h,i]perylene	100	500		0.544 J	ND J	ND J	ND J	ND J	0.16 J	ND	ND	ND	ND	ND	0.136 J	ND	ND
Benzo[k]fluoranthene	0.8	56		3.2 J	0.315 J	0.582 J	0.238 J	0.107 J	0.205	ND	0.0859 J	ND	0.0918 J	ND	0.202 J	ND	ND
Chrysene	1	56		3.28	0.307 J	0.523 J	0.127 J	0.0895 J	0.217	ND	0.177 J	ND	0.11 J	ND	0.213 J	ND	ND
Dibenz[a,h]anthracene	0.33	0.56		0.291 J	ND J	ND J	ND J	0.0522 J	ND J	ND J	ND J	ND	ND	ND	0.0691 J	ND J	ND
Dibenzofuran	7	350		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	100	500		5.9	0.447	0.812	0.158 J	0.137 J	0.187 J	ND	0.277	ND	0.195 J	ND	0.425 J	ND	ND J
Fluorene	30	500		0.513	ND	0.0745 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	0.33	6		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno[1,2,3-c,d]pyrene	0.5	5.6		0.65 J	0.0526 J	0.0928 J	ND J	ND J	0.143 J	ND J	ND J	ND	ND	0.0622 J	0.128 J	ND J	ND
Naphthalene	12	500		0.343	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentachlorophenol	0.8	6.7		ND J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND J
Phenanthrene	100	500		3.96	0.36	0.682	0.0908 J	0.0865 J	ND J	ND	ND	0.234	ND	0.142 J	0.27 J	ND	ND
Pyrene	100	500		5.97	0.783 J	1.28 J	0.334 J	0.192 J	0.347	ND	ND	0.178 J	ND	0.171 J	0.349	ND	ND
PCBs																	
Aroclor 1248	NE	NE		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1254	NE	NE		ND	0.0729	0.031	ND	ND	ND	ND	0.698	ND	ND	ND	ND	ND	ND
Aroclor 1260	NE	NE		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total PCBs	0.1	1		ND	0.0729	0.031	ND	ND	ND	ND	0.698	ND	ND	ND	ND	ND	ND
Pesticides/Herbicides																	
2,4,5-TP (Silvex)	3.8	500		ND	ND	ND	ND	ND	ND	ND	ND J	ND	ND	ND	ND	ND	ND
4,4'-DDD	0.0033	92		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDE	0.0033	62		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDT	0.0033	47		ND	0.00697	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
alpha-BHC	0.02	3.4		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
beta-BHC	0.036	3		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
delta-BHC	0.04	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-BHC (Lindane)	0.1	9.2		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Metals																	
Arsenic	13	16		12.3	4.98	5.01	8	3.13	5.81 J	5.14	2.51	ND	4.23	4.28	3.79 J	1.41	ND
Barium	350	400		150	105	97.8	81.9	41	34.8 J	170	36.5	113	87.8	71.3	75.7 J	42.5	65.3
Beryllium	7.2	590		ND	ND	ND	ND	ND	ND J	ND	ND	ND	ND	ND	0.284 J	ND	ND
Cadmium	2.5	9.3		1.63	ND	ND	0.388	0.355	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chromium, Trivalent	30	1,500		35.4	165	129	18.6	10.2	9.43 J	165	8.69	4,330	57.2	20.2	27.4 J	11.7	11.7
Chromium, Hexavalent	1	400		ND	ND	ND	ND	ND	ND	ND	ND	364	ND	ND	ND	ND	ND
Chromium, Total	NE	NE		35.4	165	129	18.6	10.2	9.43 J	165	8.69	4,694	57.2	20.2	27.4 J	11.7	11.7
Copper	50	270		33.9	31.3	25.2	23.1	22	20.9	23.8	11.6	12.7	20.8	13	16.3	15.1	3.76
Lead	63	1,000		181	116	86	181	41.7	6.93 J	16.5	6.27	20.9	11.2	14.7	13.7 J	6.22	4.43
Manganese	1,600	10,000		300	645 J	540 J	803 J	468 J	373 J	650	356	1,630	207	298	210 J	206	52.7
Mercury	0.18	2.8		ND	ND	ND	ND	ND	ND	ND	ND	0.248 J	0.0275	ND	ND	ND	ND
Nickel	30	310		27.7	33.8	37.5	21.9	15.3	20.8	43.2	17	220	33.7	24.2	30	19.7	11.4
Selenium	3.9	1,500		ND	1.45	ND	ND	ND	ND	ND	ND	ND	1.67	1.66	1.66	ND	ND
Zinc	109	10,000		464	294 J	147 J	283 J	292 J	50.2	85.3	41.1	24 J	128 J	66.2	67.6	62.5	59.2
Cyanide	27	27		2.37	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:
ND = Not detected above laboratory reporting limits
NE = Not established
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Indicates exceedance of the Unrestricted Use Objectives
Indicates exceedance of the Restricted Commercial Objectives

Table 1
Soil Analytical Results - July 2013 Remedial Investigation
1705 Factory Outlet Boulevard
Niagara, New York
Langan Project No.: 140091402

Parameters	NYSDEC Subpart 375-6: Remedial Program Soil Cleanup Objectives		Sample ID	Sample Date	LSB-64-B-20130628	LSB-65-A-20130628	LSB-65-B-20130628	LSB-66-A-20130628	LSB-66-B-20130628	LSB-67-A-20130628	LSB-67-B-20130628	LSB-68-A-20130628	LSB-68-B-20130628	LSB-69-A-20130627	LSB-69-B-20130627	LSB-70-A-20130627	LSB-70-B-20130627	LSB-71-A-20130627	LSB-71-B-20130627	LSB-72-A-20130627
	Unrestricted Use Objectives	Restricted Commercial	Sampling Depth		6/28/2013	6/28/2013	6/28/2013	6/28/2013	6/28/2013	6/28/2013	6/28/2013	6/28/2013	6/28/2013	6/27/2013	6/27/2013	6/27/2013	6/27/2013	6/27/2013	6/27/2013	
			Units		4-6" mg/kg Sand	1-3" mg/kg Fill-Sand	5.75-7.75" mg/kg Sand	1-3" mg/kg Fill-Sand	10-12" mg/kg Clay	1-3" mg/kg Fill-Clay	5-7" mg/kg Silty Sand	1-2" mg/kg Fill-Sand	2-4" mg/kg Sand	1-3" mg/kg Fill-Sand	5-7" mg/kg Sand	0.42-1.25" mg/kg Fill-Sand	2-4" mg/kg Fill-Sand	2-2.75" mg/kg Fill-Clay	4.75-5.8" mg/kg Fill-Clay	1-3" mg/kg Fill-Sand
VOCs																				
1,1-Dichloroethane	0.27	240			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	3.6	190			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	1.1	500			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	8.4	190			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	2.4	280			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	1.8	130			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	0.12	500			ND	ND	ND	ND	ND	0.0079	ND	0.0092	0.0023 J	0.0048	0.014	ND	ND	ND	0.0061	0.0077
Acetone	0.05	500			ND	ND	ND	ND	ND	0.033	ND	0.033	ND	0.02	0.047	0.016	0.0084	ND	0.026	0.028
Benzene	0.06	44			ND	ND	ND	ND	ND	0.0022 J	0.002 J	ND	ND	0.019	ND	ND	ND	ND	ND	ND
Chlorobenzene	1.1	500			ND	ND	ND	ND	ND	ND	ND	ND	ND	0.011	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethylene	0.25	500			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethyl Benzene	1	390			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	0.05	500			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	0.26	500			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p- & m- Xylenes	0.26	600			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	11	500			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	0.7	500			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethylene (TCE)	0.47	200			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	0.02	13			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes, Total	0.26	500			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SVOCs																				
Acenaphthene	20	500			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	100	500			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	100	500			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[a]anthracene	1	5.6			ND J	ND	ND	ND	ND	0.228 J	ND	ND	ND	ND	ND	ND	ND	0.134 J	ND	ND
Benzo[a]pyrene	1	1			ND	ND	ND	ND	ND	0.287 J	ND	ND	ND	ND	1.22 J	ND	ND	ND	0.16 J	ND
Benzo[b]fluoranthene	1	5.6			ND J	ND J	ND J	ND J	ND J	0.18 J	ND J	ND J	ND J	ND J	ND J	ND	ND	0.189 J	ND J	ND
Benzo[k]fluoranthene	0.8	56			ND	ND	ND	ND	ND	0.174 J	ND	ND	ND	ND	ND	ND	ND	ND	0.159 J	ND
Chrysene	1	56			ND J	ND	ND	ND	ND	0.307 J	ND	ND	ND	ND	ND J	ND	0.057 J	ND	0.138 J	ND
Dibenz[a,h]anthracene	0.33	0.56			ND	ND	ND	ND	ND	ND J	ND	ND	ND	ND	ND J	ND	ND	ND	ND J	ND
Dibenzofuran	7	350			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	100	500			ND J	ND J	ND J	ND J	ND J	0.389 J	ND J	ND J	ND J	1.62 J	ND	0.0912 J	ND	0.194 J	ND J	ND
Fluorene	30	500			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND J	ND	ND	ND	ND	ND
Hexachlorobenzene	0.33	6			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.31 J	ND
Indeno[1,2,3-c,d]pyrene	0.5	5.6			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND J	ND	ND	ND	ND J	ND
Naphthalene	12	500			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentachlorophenol	0.8	6.7			ND J	ND J	ND J	ND J	ND J	ND J	ND J	ND J	ND J	ND J	ND J	ND	ND	ND	ND J	ND
Phenanthrene	100	500			ND	ND	ND	ND	ND	0.258 J	ND	ND	0.0567 J	ND J	ND	0.0623 J	ND	0.15 J	ND	ND
Pyrene	100	500			ND J	ND	ND	ND	ND	0.614 J	ND	ND	0.0714 J	ND J	ND	0.101 J	ND	0.268 J	ND	ND
PCBs																				
Aroclor 1248	NE	NE			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.271 J	ND
Aroclor 1254	NE	NE			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1260	NE	NE			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total PCBs	0.1	1			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.271 J	ND	ND
Pesticides/Herbicides																				
2,4,5-TP (Silvex)	3.8	500			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDD	0.0033	92			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDE	0.0033	62			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDT	0.0033	47			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
alpha-BHC	0.02	3.4			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0301 J	ND
beta-BHC	0.036	3			ND	ND	ND	ND	ND	0.0284	ND	ND	ND	ND	ND	ND	ND	ND	0.34 J	ND
delta-BHC	0.04	500			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-BHC (Lindane)	0.1	9.2			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Metals																				
Arsenic	13	16			5.46	2.86	3.47	4.34	1.76	2.68	1.24	4.86	4.14	2.42	4.05	ND	2.14	2.2	11.2	2.4
Barium	350	400			65.6	71.3	67.6	44.2	47.2	55.2	45.4	75.8	46.7	38.7	112	39.8	29.2	116	76.9	48.4
Beryllium	7.2	590			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.442	ND	0.229	ND	ND
Cadmium	2.5	9.3			ND	ND	ND	ND	ND	0.479	ND	ND	ND	ND	0.426	ND	ND	0.717	ND	ND
Chromium, Trivalent	30	1,500			14.9	14	14	15	5.84	114	7.32	22.4	12.3	179	26.3	3,690	10.5	101	20.9	11.5
Chromium, Hexavalent	1	400			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND J	ND J	486	ND	ND	ND
Chromium, Total	NE	NE			14.9	14	14	15	5.84	114	7.32	22.4	12.3	179	26.3	4,180	10.5	101	20.9	11.5
Copper	50	270			30.3	15	20.6	22	17.1	27.1	6.94	13.3	14.8	11	23.5	14.3	13	22.1	21.8	9
Lead	63	1,000			8.38	7.13	8.21	8.4	21.4	26.3	3.36	173	74.9	40.2	18.4	20.3	5.57	39.1	24	8.75
Manganese	1,600	10,000			385	343	354	226	597	502	215	162	216	410	202	742	185	375	450	107
Mercury	0.18	2.8			ND	ND	ND	ND	ND	ND	ND	0.291	ND	ND	ND	ND	ND	ND	0.124	ND
Nickel	30	310			27.7	24.9	25.1	24.5	9.25	25.4	11.4	20.2	21.7	25.5	30.3	233	16.6	25.7	24.3	15.8
Selenium	3.9	1,500			ND	ND	ND	1.18	ND	ND	ND	ND	ND	ND	2.01	ND	ND	ND	ND	ND
Zinc	109	10,000			68.9	57.1	64.6	60.4	209	142	31.5	147	50.6	159	211	17.1 J	51.6 J	386 J	99.5 J	57.4 J
Cyanide																				
	27	27			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

ND = Not detected above laboratory reporting limits

NE = Not established

J = Detected below the Reporting Limit but greater than or equal to the

Method Detection Limit (MDL); therefore, the result is an estimated

Indicates exceedance of the Unrestricted Use Objectives

Indicates exceedance of the Restricted Commercial Objectives

Table 1
Soil Analytical Results - July 2013 Remedial Investigation
1705 Factory Outlet Boulevard
Niagara, New York
Langan Project No.: 140091402

Parameters	NYSDEC Subpart 375-6: Remedial Program Soil Cleanup Objectives		Sample ID	LSB-72-B-20130627	LSB-73-A-20130627	LSB-73-B-20130627	LSB-74-A-20130627	LSB-75-A-20130627	LSB-75-B-20130627	LSB-76-A-20130628	LSB-76-B-20130628	LTP-1-A-20130628	LTP-2-A-20130628	LTP-2-B-20130628	LTP-3-A-20130628	LTP-4-A-20130628	LTP-4-B-20130628	LTP-5-A-20130628	LTP-5-B-20130628	
	Unrestricted Use Objectives	Restricted Commercial	Sample Date	6/27/2013	6/27/2013	6/27/2013	6/27/2013	6/27/2013	6/27/2013	6/28/2013	6/28/2013	6/28/2013	6/28/2013	6/28/2013	6/28/2013	6/28/2013	6/28/2013	6/28/2013	6/28/2013	
			Sampling Depth Units	9-11' mg/kg	1-3' mg/kg	6-8' mg/kg	1-3' mg/kg	1-3' mg/kg	10-12' mg/kg	2-4' mg/kg	4-6' mg/kg	1-3' mg/kg	1-3' mg/kg	4-6' mg/kg	1-3' mg/kg	1-3' mg/kg	8-10' mg/kg	1-2' mg/kg	8-10' mg/kg	
Sample Medium				Clay	Fill-Sand	Sand	Fill-Sand	Fill-Sand	Sand	Fill-Sand	Sand	Fill-Sand	Fill-Sand	Sand/Clay	Fill-Sand	Fill-Sand	Sand	Fill-Sand	Clay	
VOCs																				
1,1-Dichloroethane	0.27	240		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1,2,4-Trimethylbenzene	3.6	190		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1,2-Dichlorobenzene	1.1	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1,3,5-Trimethylbenzene	8.4	190		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1,3-Dichlorobenzene	2.4	280		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1,4-Dichlorobenzene	1.8	130		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
2-Butanone	0.12	500		ND	0.0046	ND	ND	0.016	ND	0.0077	0.0027 J	0.0029 J	ND	ND	0.0067	ND	ND	0.012	ND	
Acetone	0.05	500		0.0039 J	0.016	0.007 J	0.0052 J	0.043	0.014	0.03	ND	ND	ND	ND	0.031	ND	ND	0.038	ND	
Benzene	0.06	44		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Chlorobenzene	1.1	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
cis-1,2-Dichloroethylene	0.25	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Ethyl Benzene	1	390		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Methylene chloride	0.05	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.02	0.0027 J	ND	
o-Xylene	0.26	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
p- & m- Xylenes	0.26	600		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
sec-Butylbenzene	11	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Toluene	0.7	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Trichloroethylene (TCE)	0.47	200		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Vinyl Chloride	0.02	13		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Xylenes, Total	0.26	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
SVOCs																				
Acenaphthene	20	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND J	ND	ND	ND	ND	ND	
Acenaphthylene	100	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND J	ND	ND	ND	ND	ND	
Anthracene	100	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Benzo(a)anthracene	1	5.6		ND	ND	ND	ND	ND	ND	0.283 J	ND	ND	ND	ND	ND	0.175 J	ND	0.264	ND	
Benzo(a)pyrene	1	1		ND	ND	ND	ND	ND	ND	0.383 J	ND	ND	ND	ND	ND	0.229	ND	0.302	ND	
Benzo(b)fluoranthene	1	5.6		ND	ND	ND	ND	ND	ND	0.443 J	ND	ND	ND	ND	ND	0.204	ND	0.283	ND	
Benzo(b,h,i)perylene	100	500		ND	ND	ND	ND	ND	ND	ND J	ND	ND	ND	ND	ND	0.149 J	ND	ND	ND	
Benzo(k)fluoranthene	0.8	56		ND	ND	ND	ND	ND	ND	0.347 J	ND	ND	ND	ND	ND	0.261	ND	0.326	ND	
Chrysene	1	56		ND	ND	ND	ND	ND	ND	0.372 J	ND	ND	ND	ND	ND	0.188	ND	0.248	ND	
Dibenz(a,h)anthracene	0.33	0.56		ND	ND	ND	ND	ND	ND	ND J	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Dibenzofuran	7	350		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND J	ND	ND	ND	ND	ND	
Fluoranthene	100	500		ND	ND	ND	ND	ND	ND	0.579 J	ND	ND	ND	ND	ND	0.322	ND	0.457	ND	
Fluorene	30	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND J	ND	ND	ND	ND	ND	
Hexachlorobenzene	0.33	6		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Indeno(1,2,3-c,d)pyrene	0.5	5.6		ND	ND	ND	ND	ND	ND	0.0667 J	ND	ND	ND	ND	ND	0.144 J	ND	0.107 J	ND	
Naphthalene	12	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Pentachlorophenol	0.8	6.7		ND	ND	ND	ND	ND	ND	ND J	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Phenanthrene	100	500		ND	ND	ND	ND	ND	ND	0.307	ND	ND	ND	ND	ND	0.161 J	ND	0.127 J	ND	
Pyrene	100	500		ND	ND	ND	ND	ND	ND	0.87 J	ND	ND	ND	ND	ND	0.242	ND	0.376	ND	
PCBs																				
Aroclor 1248	NE	NE		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Aroclor 1254	NE	NE		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Aroclor 1260	NE	NE		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Total PCBs	0.1	1		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Pesticides/Herbicides																				
2,4,5-TP (Silvex)	3.8	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
4,4'-DDD	0.0033	92		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
4,4'-DDE	0.0033	62		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
4,4'-DDT	0.0033	47		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
alpha-BHC	0.02	3.4		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
beta-BHC	0.036	3		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
delta-BHC	0.04	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
gamma-BHC (Lindane)	0.1	9.2		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Metals																				
Arsenic	13	16		1.58	2.76	2.47	3.66	2.29	1.41	ND	5.36	6.81	3.66	4.36	3.53	11.2	3.31	5.59	7.99	
Barium	350	400		39.4	47.1	42.2	9.23	55.6	45.7	101	38.4	136	50.1	55.5	45.4	55.2	93.6	83.2	ND	
Beryllium	7.2	590		ND	ND	ND	ND	ND	ND	ND	ND	0.563	ND	ND	ND	ND	ND	ND	ND	
Cadmium	2.5	9.3		0.48	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.31	ND	ND	
Chromium, Trivalent	30	1,500		5.07	18.6	10.2	7.53	11.9	12.3	3,140	11.3	25.4	13.7	11.6	22	30	12.4	99.4	14.4	
Chromium, Hexavalent	1	400		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.02	
Chromium, Total	NE	NE		5.07	18.6	10.2	7.53	11.9	12.3	3,140	11.3	25.4	13.7	11.6	22	30	12.4	99.4	16.4	
Copper	50	270		7.99	10.9	13.5	12.9	16	16	94.3	17.5	16.6	16	23.2	12.2	20.1	16	13.8	37.1	
Lead	63	1,000		30	9.02	5.85	56.7	7.21	6.89	80.4	6.17	17.1	7.17	5.64	22	7.73	21.2	10.3	ND	
Manganese	1,600	10,000		564	118	334	663	127	360	1,010	358	640	189	445	357	266	382	7,830	683	
Mercury	0.18	2.8		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.165 J	0.0131 J	0.136 J	0.0132 J	
Nickel	30	310		7.78	17.8	17.6	5.26	18.3	19.5	2,440	20	49	21.3	20	19.5	19.2	19.5	43.1	32.9	
Selenium	3.9	1,500		ND	1.46	ND	ND	ND	ND	1.63	ND	ND	ND	ND	ND	ND	ND	4.39	ND	
Zinc	109	10,000		174 J	52 J	48.6 J	95.7 J	60.5 J	45.2 J	232	55.4	195	64.7	63.8	58.8	102	52.8	90.9	59.4	
Cyanide																				
	27	27		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	

Notes:

ND = Not detected above laboratory reporting limits

NE = Not established

J = Detected below the Reporting Limit but greater than or equal to the

Method Detection Limit (MDL); therefore, the result is an estimated

Indicates exceedance of the Unrestricted Use Objectives

Indicates exceedance of the Restricted Commercial Objectives

Table 1
Soil Analytical Results - July 2013 Remedial Investigation
1705 Factory Outlet Boulevard
Niagara, New York
Langan Project No.: 140091402

Parameters	NYSDEC Subpart 375-6: Remedial Program Soil Cleanup Objectives		Sample ID	LTP-6-A-20130625	LTP-6-B-20130625	LTP-7-A-20130625	LTP-7-B-20130625	LTP-8-A-20130625	LTP-8-B-20130625	LTP-9-A-20130625	LTP-9-B-20130625	LTP-10-A-20130627	LTP-10-B-20130627	LTP-11-A-20130627	LTP-11-B-20130627	FD-3-20130627 (LTP-12-B)	LTP-12-A-20130627	LTP-12-B-20130627
	Unrestricted Use Objectives	Restricted Commercial	Sample Date	1-2.5' mg/kg	8-10' mg/kg	1-3' mg/kg	2-4' mg/kg	2-4' mg/kg	6-8' mg/kg	1-2.5' mg/kg	8-10' mg/kg	1-2' mg/kg	3-4' mg/kg	1-3' mg/kg	5-7' mg/kg	4-6' mg/kg	0-2' mg/kg	4-6' mg/kg
			Sampling Depth Units	Fill-Clay	Clay	Fill-Sand	Fill-Sand/Clay	Fill-Sand	Clay	Fill-Sand	Clay	Fill-Sand	Fill-Gravel	Sand	Sand	Clay	Fill-Sand	Clay
VOCs																		
1,1-Dichloroethane	0.27	240		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	3.6	190		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	1.1	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	8.4	190		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	2.4	280		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	1.8	130		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	0.12	500		ND	ND	ND	0.02	ND	ND	ND	ND	ND	0.021 J	0.0066	ND	ND	ND	ND
Acetone	0.05	500		ND	ND	ND	0.059	ND	ND	ND	ND	ND	0.057 J	0.052	ND	ND	ND	ND
Benzene	0.06	44		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	1.1	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethylene	0.25	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethyl Benzene	1	390		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	0.05	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	0.26	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p- & m- Xylenes	0.26	600		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	11	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	0.7	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethylene (TCE)	0.47	200		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	0.02	13		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes, Total	0.26	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SVOCs																		
Acenaphthene	20	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0985 J	0.187 J	ND	ND	ND	0.341 J
Acenaphthylene	100	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	100	500		0.162 J	ND	0.048 J	0.0689 J	ND	ND	0.143 J	ND	0.0655 J	0.12 J	0.295	ND	0.0689 J	ND	0.516 J
Benzo[a]anthracene	1	5.6		0.147 J	ND	0.235	0.215 J	0.125 J	ND	0.388	ND	0.148 J	0.399	0.631	ND	0.182 J	0.0798 J	0.664 J
Benzo[a]pyrene	1	197		0.197	ND	0.315	0.285	0.138 J	ND	0.327	ND	0.149 J	0.499	0.628	ND	0.195 J	0.0784 J	0.931 J
Benzo[b]fluoranthene	1	5.6		0.231	ND	0.29	0.266	0.155 J	ND	0.328	ND	0.123 J	0.4	0.551	ND	0.153 J	0.0598 J	0.63 J
Benzo[g,h,i]perylene	100	500		0.112 J	ND	ND	ND	ND	ND	0.181 J	ND	ND	0.178 J	0.152 J	ND	ND	ND	0.145 J
Benzo[k]fluoranthene	0.8	56		0.162 J	ND	0.3	0.245	0.154 J	ND	0.32	ND	0.137 J	0.437	0.562	ND	0.18 J	0.0765 J	0.526 J
Chrysene	1	56		0.163 J	ND	0.268	0.23	0.115 J	ND	0.412	ND	0.144 J	0.415	0.635	ND	0.188 J	0.082 J	0.821 J
Dibenz[a,h]anthracene	0.33	0.56		0.051 J	ND	ND	ND	ND	ND	0.0641 J	ND	ND	0.0825 J	0.0826 J	ND	ND	ND	0.0857 J
Dibenzofuran	7	350		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.104 J	ND	ND	ND	0.138 J
Fluoranthene	100	500		0.281	ND	0.449	0.391	0.202	ND	1.38	ND	0.354	0.808	1.3	ND	0.345 J	0.184	1.38 J
Fluorene	30	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0645 J	0.202	ND	ND	ND	0.267 J
Hexachlorobenzene	0.33	6		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno[1,2,3-c,d]pyrene	0.5	5.6		0.118 J	ND	0.0875 J	0.0916 J	0.0845 J	ND	0.168 J	ND	0.0632 J	0.209 J	0.171 J	ND	0.0781 J	ND	0.129 J
Naphthalene	12	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0655 J	0.0834 J	ND	ND	ND	0.0645 J
Pentachlorophenol	0.8	6.7		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	100	500		0.163 J	ND	0.209	0.269	0.14 J	ND	0.446	ND	0.261	0.503	1.13	ND	ND	ND	1.98 J
Pyrene	100	500		0.271 J	ND	0.48 J	0.386 J	0.165 J	ND	0.942	ND	0.313 J	0.764	1.49	ND	0.467 J	0.174 J	2 J
PCBs																		
Aroclor 1248	NE	NE		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1254	NE	NE		ND	ND	ND	ND	ND	ND	0.334	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1260	NE	NE		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total PCBs	0.1	1		ND	ND	ND	ND	ND	ND	0.334	ND	ND	ND	ND	ND	ND	ND	ND
Pesticides/Herbicides																		
2,4,5-TP (Silvex)	3.8	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDD	0.0033	92		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDE	0.0033	62		ND	ND	ND	ND	ND	ND	ND	ND	0.00326	ND	ND	ND	ND	0.00574	ND
4,4'-DDT	0.0033	47		ND	ND	ND	ND	ND	ND	ND	ND	0.00456	ND	ND	ND	ND	ND	ND
alpha-BHC	0.02	3.4		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
beta-BHC	0.036	3		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
delta-BHC	0.04	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-BHC (Lindane)	0.1	9.2		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Metals																		
Arsenic	13	16		ND	4.07	4.65	4.35	2.98	4.09	4.52	2.87	3.49	4.31	ND	2.18	9.27	3.91	8.02
Barium	350	400		33.5	44.6	71.7	60.9	44.1	53.5	77.2	56.2	61.4	108	78.4	32.3	149	60.1	164
Beryllium	7.2	590		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	2.5	9.3		1.19	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chromium, Trivalent	30	1,500		310	13	15.4	40.6	30.9	58	36.2	31.7	190	74.6	3,540	8.94	40.7 J	35.5	145 J
Chromium, Hexavalent	1	400		ND	ND	ND	ND	ND	ND	ND	ND	1.27	ND	ND	ND	ND	ND	ND
Chromium, Total	NE	NE		310	13	15.4	40.6	30.9	58	36.2	31.7	191	74.6	3,540	8.94	40.7 J	35.5	145 J
Copper	50	270		9.94	18.3	18.7	16.4	10.4	18.4	10.2	14.3	14.8 J	23.4 J	15.1 J	15.7 J	31.7 J	12.5 J	38 J
Lead	63	1,000		53.3	6.63	83.8	22.7	9.64	9.25	7.62	5.92	27.1	36.2	34.5	5.65	245	32.9	332
Manganese	1,600	10,000		544	204	373	235	128	711	144	337	285	165	1,430	376	486	429	560
Mercury	0.18	2.8		0.234	0.01	0.109	0.353	0.199 J	0.0106 J	0.114 J	0.013 J	0.306	ND	ND	ND	ND	ND	ND
Nickel	30	310		57.8	18.2	14.7	28	18.1	25.8	14.7	20.8	29	29.4	178	17.3	29.8	14.2	32.9
Selenium	3.9	1,500		ND	ND	ND	1.8	ND	ND	1.27	ND	1.37	ND	ND	ND	1.51	ND	1.58
Zinc	109	10,000		402 J	55.3 J	162 J	72 J	47.3	55.9	47.4	47.9	65.4	75.5	59.3	38.9	225	102	276
Cyanide																		
	27	27		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

ND = Not detected above laboratory reporting limits

NE = Not established

J = Detected below the Reporting Limit but greater than or equal to the

Method Detection Limit (MDL); therefore, the result is an estimated

Indicates exceedance of the Unrestricted Use Objectives

Indicates exceedance of the Restricted Commercial Objectives

Table 1
Soil Analytical Results - July 2013 Remedial Investigation
1705 Factory Outlet Boulevard
Niagara, New York
Langan Project No.: 140091402

Parameters	NYSDEC Subpart 375-6: Remedial Program Soil Cleanup Objectives		Sample ID	LTP-13-A-20130626	LTP-13-B-20130626	LTP-14-A-20130627	LTP-14-B-20130627	LTP-15-A-20130627	LTP-15-B-20130627	LTP-16-A-20130626	LTP-16-B-20130626	LTP-17-A-20130625	LTP-17-B-20130625	LTP-18-A-20130626	LTP-18-B-20130626	LTP-19-A-20130625	LTP-19-B-20130625	LTP-20-A-20130625	LTP-20-B-20130625
	Unrestricted Use Objectives	Restricted Commercial	Sample Date	6/26/2013	6/26/2013	6/27/2013	6/27/2013	6/27/2013	6/27/2013	6/26/2013	6/26/2013	6/25/2013	6/25/2013	6/26/2013	6/26/2013	6/25/2013	6/25/2013	6/25/2013	6/25/2013
			Sampling Depth	3-5' mg/kg	12-14' mg/kg	0-2' mg/kg	2-4' mg/kg	3-5' mg/kg	6-8' mg/kg	3-5' mg/kg	7-9' mg/kg	1-3' mg/kg	8-10' mg/kg	1-3' mg/kg	8-10' mg/kg	3-5' mg/kg	9-11' mg/kg	1-3' mg/kg	7-9' mg/kg
			Units	Fill-Sand	Clay	Fill-Sand	Fill-Sand	Fill-Sand	Sand	Fill-Sand	Clay	Fill	Clay	Fill-Sand	Clay	Fill-Sand/Clay	Clay	Fill-Sand	Clay
Sample Medium																			
VOCs																			
1,1-Dichloroethane	0.27	240		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	3.6	190		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	1.1	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	8.4	190		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	2.4	280		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	1.8	130		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	0.12	500		0.0055	ND	ND	0.0038 J	ND	ND	ND	ND	0.0046 J	ND	0.011 J	ND	ND	ND	ND	ND
Acetone	0.05	500		0.023	ND	ND	ND	ND	ND	0.016 J	0.014 J	ND	ND	0.034 J	0.0024 J	ND	ND	ND	ND
Benzene	0.06	44		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	1.1	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethylene	0.25	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethyl Benzene	1	390		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	0.05	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	0.26	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p- & m- Xylenes	0.26	600		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	11	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	0.7	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethylene (TCE)	0.47	200		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	0.02	13		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes, Total	0.26	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SVOCs																			
Acenaphthene	20	500		ND	ND	ND	0.273	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	100	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	100	500		ND	ND	ND	0.424	ND	ND	ND	ND	0.157 J	ND	0.105 J	ND	ND	ND	ND	ND
Benzo[a]anthracene	1	5.6		0.0589 J	ND	ND	0.993	0.069 J	ND	ND	ND	0.464 J	ND	0.37	ND	ND	ND	ND	ND
Benzo[a]pyrene	1	1		0.0804 J	ND	0.0555 J	0.888	0.0894 J	ND	ND	ND	0.473 J	ND	0.42	ND	ND	ND	ND	ND
Benzo[b]fluoranthene	1	5.6		0.0845 J	ND	0.0617 J	0.731	0.0781 J	ND	ND	ND	0.513 J	ND	0.417	ND	ND	ND	ND	ND
Benzo[a,h]perylene	100	500		ND	ND	ND	0.264	ND	ND	ND	ND	0.16 J	ND	ND	ND	ND	ND	ND	ND
Benzo[k]fluoranthene	0.8	56		0.0678 J	ND	0.0498 J	0.786	0.0726 J	ND	ND	ND	0.62 J	ND	0.422	ND	ND	ND	ND	ND
Chrysene	1	56		0.0674 J	ND	0.0487 J	0.956	0.0832 J	ND	ND	ND	0.462 J	ND	0.402	ND	ND	ND	ND	ND
Dibenz[a,h]anthracene	0.33	0.56		ND	ND	ND	0.144 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	7	350		ND	ND	ND	0.109 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	100	500		0.11 J	ND	0.076 J	2.89	0.163 J	ND	ND	ND	0.879 J	ND	0.869	ND	0.0684 J	ND	ND	ND
Fluorene	30	500		ND	ND	ND	0.218	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	0.33	6		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno[1,2,3-c,d]pyrene	0.5	5.6		ND	ND	ND	0.311	ND	ND	ND	ND	0.112 J	ND	0.0972 J	ND	ND	ND	ND	ND
Naphthalene	12	500		ND	ND	ND	0.113 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentachlorophenol	0.8	6.7		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	100	500		0.0723 J	ND	ND	1.58	0.0674 J	ND	ND	ND	0.395 J	ND	0.498	ND	0.0538 J	ND	ND	ND
Pyrene	100	500		0.0885 J	ND	0.0745 J	2.59	0.153 J	ND	ND	ND	1.71 J	ND	0.954 J	ND	0.0592 J	ND	ND	ND
PCBs																			
Aroclor 1248	NE	NE		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1254	NE	NE		ND	ND	ND	ND	ND	ND	ND	ND	0.0559	ND	ND	ND	ND	ND	ND	ND
Aroclor 1260	NE	NE		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total PCBs	0.1	1		ND	ND	ND	ND	ND	ND	ND	ND	0.0559	ND	ND	ND	ND	ND	ND	ND
Pesticides/Herbicides																			
2,4,5-TP (Silvex)	3.8	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDD	0.0033	92		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDE	0.0033	62		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDT	0.0033	47		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
alpha-BHC	0.02	3.4		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
beta-BHC	0.036	3		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
delta-BHC	0.04	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-BHC (Lindane)	0.1	9.2		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Metals																			
Arsenic	13	16		4.05	2.48	3.35	3.12	3.03	1.8	3.47	4.87	ND	5.82	ND	6.32	4.08	5.15	1.89	4.47
Barium	350	400		68.2	74	47.5	115	43.2	29.1	46.3	38.3	60.4	41.7	70	112	96.7	92.4	29.5	64.3
Beryllium	7.2	590		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.197	ND	ND	ND
Cadmium	2.5	9.3		ND	0.596	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chromium, Trivalent	30	1,500		29.3	11.6	28.4	298	17.5	11.1	18.7	8.76	548	10.6	1,560	23.7	30.6	23.4	8.25	24.8
Chromium, Hexavalent	1	400		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chromium, Total	NE	NE		29.3	11.6	28.4	298	17.5	11.1	18.7	8.76	548	10.6	1,560	23.7	30.6	23.4	8.25	24.8
Copper	50	270		13.9	11.3	13.9 J	24.1 J	13.4 J	10.4 J	14.3	14.2	16	19.8	14.6	20.5	17.3	20	8.06	15.4
Lead	63	1,000		14.2	35.1	18.1	85.9	14.2	4.23	8.07	6.09	25.1	6.36	24.7	9.08	16.1	10.4	4.07	23.3
Manganese	1,600	10,000		297	684	218	342	215	273	237	310	459	323	482	534	439	824	492	329
Mercury	0.18	2.8		0.149	0.00821 J	ND	ND	ND	0.0429	0.0139	0.136	0.0128	0.311	0.0131	0.477	0.0174	0.123	0.0298	
Nickel	30	310		24.9	17.9	18.9	39.6	18.2	13.4	20.5	16.7	57.3	19.4	113	34.1	32.7	12.9	23.7	
Selenium	3.9	1,500		ND	ND	1.16	ND	ND	ND	ND	1.31	ND	ND	ND	ND	1.48	ND	ND	ND
Zinc	109	10,000		70	254	72.4	122	52.1	37.8	63.3	47.2	89.2 J	51.5 J	73.9	56.3	318 J	56.2 J	36.2 J	69.8 J
Cyanide	27	27		ND	ND	ND	ND	ND	ND	ND	ND	0.81	ND	ND	ND	ND	ND	ND	ND

Notes:

ND = Not detected above laboratory reporting limits

NE = Not established

J = Detected below the Reporting Limit but greater than or equal to the

Method Detection Limit (MDL); therefore, the result is an estimated

Indicates exceedance of the Unrestricted Use Objectives

Indicates exceedance of the Restricted Commercial Objectives

Table 1
Soil Analytical Results - July 2013 Remedial Investigation
1705 Factory Outlet Boulevard
Niagara, New York
Langan Project No.: 140091402

Parameters	NYSDEC Subpart 375-6: Remedial Program Soil Cleanup Objectives		Sample ID	LTP-21-A-20130627	LTP-21-B-20130627	FD-4-20130627 (LTP-22-A)	LTP-22-A-20130627	FD-5-20130628 (LTP-23-B)	LTP-23-A-20130628	LTP-23-B-20130628	LTP-24-A-20130702	LTP-24-B-20130702	LTP-25-A-20130627	LTP-25-B-20130627	FD-13-20130702 (LTP-26-A)	LTP-26-A-20130702	LTP-26-B-20130702
	Unrestricted Use Objectives	Restricted Commercial	Sample Date	6/27/2013	6/27/2013	6/27/2013	6/27/2013	6/28/2013	6/28/2013	6/28/2013	7/2/2013	7/2/2013	6/27/2013	6/27/2013	7/2/2013	7/2/2013	7/2/2013
			Sampling Depth Units	3'-5' mg/kg	5'-7' mg/kg	2'-4' mg/kg	2'-4' mg/kg	6.5-8.5' mg/kg	4'-6' mg/kg	6.5-8.5' mg/kg	0'-2' mg/kg	3'-5' mg/kg	1'-3' mg/kg	3'-5' mg/kg	3'-5' mg/kg	3'-5' mg/kg	3'-5' mg/kg
			Sample Medium	Fill-Sand	Sand	Fill-Sand	Fill-Sand	Fill-Sand	Fill-Sand	Fill-Sand	Fill-Sand	Fill-Clay	Fill-Sand	Fill-Sand	Fill-Clay	Fill	Fill
VOCS																	
1,1-Dichloroethane	0.27	240		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	3.6	190		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	1.1	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	8.4	190		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	2.4	280		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	1.8	130		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	0.12	500		0.0066	0.011	0.0057	0.005 J	ND J	0.005 J	ND	ND	0.0082	ND	0.019	0.016 J	0.0097 J	ND
Acetone	0.05	500		0.026	0.05	0.031	0.031	ND	0.022 J	ND	ND	0.03	0.0097	0.053	0.048	0.029	ND
Benzene	0.06	44		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	1.1	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethylene	0.25	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethyl Benzene	1	390		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	0.05	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	0.26	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p- & m- Xylenes	0.26	600		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	11	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	0.7	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethylene (TCE)	0.47	200		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	0.02	13		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes, Total	0.26	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SVOCs																	
Acenaphthene	20	500		0.333 J	0.101 J	ND J	0.209 J	ND	0.158 J	ND	0.0871 J	ND	0.0753 J	ND	ND J	0.0939 J	ND
Acenaphthylene	100	500		ND	ND	ND	0.132 J	ND	ND	ND	0.0582 J	ND	ND	ND	ND	ND	ND
Anthracene	100	500		0.617	0.192 J	ND J	0.459 J	ND	0.651 J	ND	0.332	ND	0.146 J	0.142 J	ND J	0.235 J	ND
Benzolanthracene	1	5.6		1.5 J	0.628	0.195 J	1.3 J	ND	1.26 J	ND	1.21	ND	0.49 J	0.506	0.119 J	0.54 J	ND J
Benzolapylene	1	1		1.22	0.551	0.18 J	1.21 J	ND	1.33 J	ND	1.21	ND	0.647 J	0.516	0.154 J	0.572 J	ND J
Benzobifluoranthene	1	5.6		1.21 J	0.429	0.227 J	1.22 J	ND	1.46 J	ND	1.46	ND	0.635 J	0.592	0.129 J	0.572 J	ND J
Benzofluoranthene	100	500		0.277 J	ND	ND	0.204 J	ND	0.279 J	ND	0.423	ND	0.241	ND	ND	ND J	ND J
Benzokluoranthene	0.8	56		1.39 J	0.472	0.242 J	1.6 J	ND J	1.21 J	ND J	0.959	ND	0.538 J	0.681	0.144 J	0.748 J	ND J
Chrysene	1	56		1.21	0.512	0.182 J	1.12 J	ND	1.15 J	ND	1.16	ND	0.65 J	0.466	0.117 J	0.459 J	ND J
Dibenz[a,h]anthracene	0.33	0.56		ND J	0.0776 J	ND	ND J	ND	0.22	ND	0.22	ND	0.104 J	0.0814 J	ND J	ND J	ND J
Dibenzofuran	7	350		0.112 J	ND	ND	ND J	ND	0.0911 J	ND	ND	ND	ND	ND	ND J	0.0635 J	ND
Fluoranthene	100	500		2.74	0.978	0.344 J	2.12 J	ND	3.34 J	ND	3.04	ND	1.07 J	0.793	0.205 J	0.694 J	ND
Fluorene	30	500		0.307 J	0.0748 J	ND J	0.21 J	ND	0.243 J	ND	0.0951 J	ND	0.067 J	0.0542 J	ND J	0.125 J	ND
Hexachlorobenzene	0.33	6		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno[1,2,3-c,d]pyrene	0.5	5.6		0.394 J	0.277	ND J	0.257 J	ND	0.38 J	ND	0.535	ND	0.21 J	0.333	0.0651 J	0.132 J	ND J
Naphthalene	12	500		ND	ND	ND	ND	ND	0.0645 J	ND	ND	ND	ND	ND	ND	ND	ND
Pentachlorophenol	0.8	67		ND	ND	ND	ND	ND	ND J	ND	ND J	ND J	ND J	ND J	ND J	ND J	ND J
Phenanthrene	100	500		1.91	0.624	0.217 J	1.33 J	ND	1.79 J	ND	1.38	ND	0.957	0.561	0.149 J	0.869 J	ND
Pyrene	100	500		2.21	0.83	0.289 J	1.82 J	ND	3.66 J	ND	2.3	ND	1.27 J	0.749	0.159 J	1.23 J	ND
PCBs																	
Aroclor 1248	NE	NE		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1254	NE	NE		0.51	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1260	NE	NE		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total PCBs	0.1	1		0.51	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pesticides/Herbicides																	
2,4,5-TP (Silvex)	3.8	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDD	0.0033	92		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDE	0.0033	62		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDT	0.0033	47		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
alpha-BHC	0.02	3.4		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
beta-BHC	0.036	3		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
delta-BHC	0.04	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-BHC (Lindane)	0.1	9.2		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Metals																	
Arsenic	13	16		6.95	4.41	ND J	5.01 J	2.92	3.44	1.76	7.75	4.28	ND	2.52	3.83 J	4.86 J	2.57
Barium	350	400		182	305	104 J	477 J	26.6 J	109 J	35.7	94.9	133	52	69.8	75.8	101	32
Beryllium	7.2	590		ND	ND	ND	ND	ND	ND	ND	ND	0.228	ND	ND	ND	ND	ND
Cadmium	2.5	9.3		2.15	ND	0.556	ND	ND	ND	ND	ND	ND	0.86	ND	ND	ND	ND
Chromium, Trivalent	30	1,500		75.8	345	1,740 J	87.5 J	8 J	137 J	7.78	246	26	437	62.6	30	40.9	7.78
Chromium, Hexavalent	1	400		ND J	ND J	ND J	ND J	ND	ND	ND	ND	ND	ND J	ND J	ND	ND	ND
Chromium, Total	NE	NE		75.8	345	1,740 J	87.5 J	8 J	137 J	7.78	246	26	437	62.6	30	40.9	7.78
Copper	50	270		68.9	51	33.2	35.9	17.8	26	6.29	32.6	11.8	20	15.2	12	17.5	8.81
Lead	63	1,000		144	98	54 J	189 J	4.1 J	17.7 J	3.84	92.9	16.4	91.6	25.1	18.4	21.4	5.49
Manganese	1,600	10,000		582	676	738	1,240	226 J	748 J	323	601	1,220	485	151	93.1	128	362
Mercury	0.18	2.8		0.272	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nickel	30	310		39.9	184	170 J	32.7 J	14.4 J	45.3 J	14.1	45.8	21.3	95.9	22.4	21	26.6	12.6
Selenium	3.9	1,500		ND	ND	ND	ND	ND	ND	ND	1.23	3.01	ND	1.42	1.74 J	ND J	ND
Zinc	109	10,000		631	154	600 J	197 J	31.6 J	68 J	33.3	97.5	94	309	67.4	68	93.3	35.3
Cyanide																	
	27	27		ND	0.594	ND	0.795	ND	ND	ND	ND	ND	2.17	ND	ND	ND	ND

Notes:
ND = Not detected above laboratory reporting limits
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Indicates exceedance of the Unrestricted Use Objectives
Indicates exceedance of the Restricted Commercial Objectives

Table 1
Soil Analytical Results - July 2013 Remedial Investigation
1705 Factory Outlet Boulevard
Niagara, New York
Langan Project No.: 140091402

Parameters	NYSDEC Subpart 375-6: Remedial Program Soil Cleanup Objectives		Sample ID	FD-14-20130702 (LTP-27-B)	LTP-27-A-20130702	LTP-27-B-20130702	LTP-28-A-20130626	LTP-28-B-20130626	LTP-29-A-20130626	LTP-29-B-20130626	LTP-30-A-20130626	LTP-30-B-20130626	LTP-31-A-20130626	LTP-31-B-20130626	FD-2-20130626 (LTP-32-A)	LTP-32-A-20130626	LTP-32-B-20130626	LTP-33-A-20130702
	Unrestricted Use Objectives	Restricted Commercial	Sample Date Sampling Depth Units Sample Medium	7/2/2013 6-8" mg/kg Sand/Clay	7/2/2013 0-2" mg/kg Fill-Sand	7/2/2013 6-8" mg/kg Sand/Clay	6/26/2013 4-6" mg/kg Sand	6/26/2013 6-8" mg/kg Sand	6/26/2013 0-2" mg/kg Fill-Sand	6/26/2013 2-4" mg/kg Fill	6/26/2013 1-3" mg/kg Fill-Sand	6/26/2013 4-6" mg/kg Fill-Sand/Clay	6/26/2013 4-6" mg/kg Clay	6/26/2013 7-9" mg/kg Clay	6/26/2013 1-2" mg/kg Fill-Sand	6/26/2013 1-2" mg/kg Fill-Sand	6/26/2013 4-6" mg/kg Clay	7/2/2013 3-5" mg/kg Fill-Sand/Silt
VOCs																		
1,1-Dichloroethane	0.27	240		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	3.6	190		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	1.1	500		ND	ND	ND	ND J	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.049	ND
1,3,5-Trimethylbenzene	8.4	190		ND	ND	ND	ND J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	2.4	280		ND	ND	ND	ND J	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0068	ND
1,4-Dichlorobenzene	1.8	130		ND	ND	ND	ND J	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.017	ND
2-Butanone	0.12	500		ND	ND	ND	0.014	ND	ND	0.017	ND	0.0046 J	0.016	ND	0.01 J	ND J	0.018	ND
Acetone	0.05	500		ND	ND	ND	0.031	ND	ND	0.052	0.011 J	ND	0.041	ND	0.038 J	ND	0.047	0.041
Benzene	0.06	44		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0033 J	ND
Chlorobenzene	1.1	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.018	ND
cis-1,2-Dichloroethylene	0.25	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethyl Benzene	1	390		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	0.05	500		0.0027 J		ND J	ND	ND	ND	ND	ND	ND	ND	0.0053 J	ND	ND	ND	ND
o-Xylene	0.26	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p- & m- Xylenes	0.26	600		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	11	500		ND	ND	ND	ND J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	0.7	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethylene (TCE)	0.47	200		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	0.02	13		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes, Total	0.26	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SVOCs																		
Acenaphthene	20	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.77 J	ND J	ND	2.19
Acenaphthylene	100	500		ND	ND	ND	ND	ND	0.0873 J	ND	ND	ND	ND	ND	ND	ND	ND	2.05
Anthracene	100	500		ND	0.0708 J	ND	0.0754 J	ND	0.224	ND	0.184 J	0.0573 J	ND	ND	6.74 J	ND J	ND	10
Benzo[a]anthracene	1	5.6		ND	0.303	ND	0.213	ND	0.687	0.0968 J	0.673	0.237	0.0589 J	ND	14.3 J	1 J	0.0867 J	25.3
Benzo[a]pyrene	1	1		ND	0.284	ND J	0.23	ND	0.644	0.123 J	0.699	0.23	0.073 J	ND	17.1 J	1.15 J	0.105 J	23
Benzo[b]fluoranthene	1	5.6		ND	0.268	ND J	0.201	ND	0.568	0.134 J	0.706	0.275	0.0633 J	ND	17.4 J	ND J	0.0912 J	21.3
Benzo[g,h,i]perylene	100	500		ND	0.162 J	ND J	ND	ND	0.138 J	ND	0.151 J	0.131 J	ND	ND	6.26 J	ND J	ND	11.2
Benzo[k]fluoranthene	0.8	56		ND	0.269	ND J	0.221	ND	0.787	0.0981 J	0.725	0.2 J	0.0598 J	ND	13.1 J	0.985 J	0.0835 J	17.1
Chrysene	1	56		ND	0.294	ND	0.237	ND	0.597	0.105 J	0.679	0.236	0.0695 J	ND	19.9 J	1.68 J	0.0812 J	20.9
Dibenz[a,h]anthracene	0.33	0.56		ND	0.095 J	ND J	ND	ND	ND	0.0838 J	ND	ND	ND	ND	3.13 J	ND J	ND	2.37
Dibenzofuran	7	350		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.79 J	ND J	ND	1.82
Fluoranthene	100	500		ND	0.42	ND	0.328	ND	1.13	0.185 J	1.29	0.268	0.105 J	ND	32.5 J	2.11 J	0.0698 J	42.5
Fluorene	30	500		ND	ND	ND	ND	ND	0.0613 J	ND	ND	ND	ND	ND	3.21 J	ND J	ND	3.42
Hexachlorobenzene	0.33	6		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno[1,2,3-c,d]pyrene	0.5	5.6		ND	0.165 J	ND J	0.0723 J	ND	0.189	ND	0.181 J	0.142 J	ND	ND	5.7 J	ND J	0.0634 J	12.6
Naphthalene	12	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.49 J	ND J	ND	1.01
Pentachlorophenol	0.8	6.7		ND J	ND J	ND J	ND	ND	ND	ND	ND	ND	ND	ND	ND J	ND J	ND	ND J
Phenanthrene	100	500		ND	0.264	ND	0.254	ND	0.693	0.122 J	0.658	0.177 J	0.062 J	ND	27.8 J	1.69 J	0.0958 J	34.1
Pyrene	100	500		ND	0.35	ND	0.456 J	ND	1.06	0.178 J	1.31 J	0.274	0.0972 J	ND	35.7 J	2.57 J	0.0981 J	32.9
PCBs																		
Aroclor 1248	NE	NE		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.103
Aroclor 1254	NE	NE		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1260	NE	NE		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total PCBs	0.1	1		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.103
Pesticides/Herbicides																		
2,4,5-TP (Silvex)	3.8	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDD	0.0033	92		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDE	0.0033	62		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDT	0.0033	47		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
alpha-BHC	0.02	3.4		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.00614
beta-BHC	0.036	3		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0663
delta-BHC	0.04	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-BHC (Lindane)	0.1	9.2		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Metals																		
Arsenic	13	16		3.08 J	5.46	2.23 J	8.66	2.38	8.4	4.14	ND	5.87	2.9	3.76	35.6 J	12 J	10.8	5.69
Barium	350	400		35	70.7	45.8	62.7	40.1	111	76.4	68	89.6	90.5	39.1	293 J	146 J	81.1	215
Beryllium	7.2	590		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	2.5	9.3		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chromium, Trivalent	30	1,500		9.47	15.5	10.8	266	10.5	135	44.2	6,560	478	144	10.5	199 J	85.9 J	26.4	329
Chromium, Hexavalent	1	400		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chromium, Total	NE	NE		9.47	15.5	10.8	266	10.5	135	44.2	6560	478	144	10.5	199 J	85.9 J	26.4	329
Copper	50	270		12.9	22.3	11.9	54.6	13	50.4	14.6	19	28.4	15.2	13.2	42.9	37.6	29.4	29.9
Lead	63	1,000		5.19	11.5	5.6	137	5.24	115	24.4	31.4	56.8	13.1	4.91	74.8	71.3	51.1	244
Manganese	1,600	10,000		271	687	426	582	726	582	152	802	376	210	328	2,940 J	702 J	330	854
Mercury	0.18	2.8		ND	ND	ND	0.432	0.0373	0.325	0.349	0.131	0.614	0.317	0.0161	0.234 J	0.67 J	0.192 J	ND
Nickel	30	310		14.6	22.9	17.2	96.4	19.9	29.8	29.9	336	50.7	29	15.7	106 J	33.6 J	32.2	73.9
Selenium	3.9	1,500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.25	ND	ND	ND
Zinc	109	10,000		40.6	51.4	46.1	294	40.7	145	96.5	39.7	118	81.2	41.3	46.4	75.9	93.2	232
Cyanide																		
	27	27		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.07

Notes:
ND = Not detected above laboratory reporting limits
NE = Not established
J = Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL); therefore, the result is an estimated

Indicates exceedance of the Unrestricted Use Objectives
Indicates exceedance of the Restricted Commercial Objectives

Table 1
Soil Analytical Results - July 2013 Remedial Investigation
1705 Factory Outlet Boulevard
Niagara, New York
Langan Project No.: 140091402

Parameters	NYSDEC Subpart 375-6: Remedial Program Soil Cleanup Objectives		Sample ID Sample Date Sampling Depth Units Sample Medium	LTP-33-B-20130702	LTP-34-A-20130702	LTP-34-B-20130702	FD-15-20130702 (LTP-35-B)	LTP-35-A-20130702	LTP-35-B-20130702	LTP-36-A-20130702	LTP-36-B-20130702	LTP-37-A-20130702	LTP-37-B-20130702	LTP-38-A-20130702	LTP-38-B-20130702	LTP-39-A-20130702	LTP-39-B-20130702	LTP-40-A-20130703		
	Unrestricted Use Objectives	Restricted Commercial		7/2/2013 5-7' mg/kg Silty Clay	7/2/2013 0-2' mg/kg Fill-Sand	7/2/2013 5-7' mg/kg Sand	7/2/2013 7-9' mg/kg Clay	7/2/2013 0-2' mg/kg Fill-Sand	7/2/2013 7-9' mg/kg Clay	7/2/2013 0-2' mg/kg Fill-Sand	7/2/2013 6-8' mg/kg Clay	7/2/2013 2-4' mg/kg Fill	7/2/2013 8-10' mg/kg Clay	7/2/2013 2-4' mg/kg Fill	7/2/2013 5-7' mg/kg Clay	7/2/2013 0-2' mg/kg Fill	7/2/2013 5-7' mg/kg Clay	7/2/2013 0-2' mg/kg Fill	7/2/2013 5-7' mg/kg Clay	7/2/2013 3-5' mg/kg Clay
VOCs																				
1,1-Dichloroethane	0.27	240		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1,2,4-Trimethylbenzene	3.6	190		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1,2-Dichlorobenzene	1.1	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1,3,5-Trimethylbenzene	8.4	190		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1,3-Dichlorobenzene	2.4	280		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1,4-Dichlorobenzene	1.8	130		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
2-Butanone	0.12	500		0.0026 J	ND	ND	ND J	ND	0.0023 J	ND	ND	ND	ND	ND	ND	ND	0.0028 J	0.016 J	0.016 J	
Acetone	0.05	500		0.023	ND	ND	ND J	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.019	0.046 J	0.046 J	
Benzene	0.06	44		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Chlorobenzene	1.1	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
cis-1,2-Dichloroethylene	0.25	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Ethyl Benzene	1	390		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Methylene chloride	0.05	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
o-Xylene	0.26	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
p- & m- Xylenes	0.26	600		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
sec-Butylbenzene	1.1	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Toluene	0.7	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Trichloroethylene (TCE)	0.47	200		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Vinyl Chloride	0.02	13		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Xylenes, Total	0.26	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
SVOCs																				
Acenaphthene	20	500		ND	ND	ND	ND	ND	ND	ND	ND	0.456	ND	ND	ND	0.668	ND	ND	ND	
Acenaphthylene	100	500		ND	ND	ND	ND	ND	ND	0.0573 J	ND	0.161 J	ND	ND	ND	ND	ND	ND	ND	
Anthracene	100	500		0.078 J	0.0834 J	ND	ND	ND	ND	0.293	ND	1.14	ND	0.0787 J	ND	0.997	ND	ND	ND	
Benzo[a]anthracene	1	5.6		0.184 J	0.539	ND	0.11 J	0.0973 J	ND J	0.461	ND	3.13 J	ND J	0.266 J	ND	2.56	ND	0.158 J	ND	
Benzo[a]pyrene	1	1		0.188 J	0.353	ND	0.145 J	0.149 J	ND J	0.422	ND	2.74 J	ND J	0.271 J	ND	2.15	ND	0.196 J	ND	
Benzo[b]fluoranthene	1	5.6		0.162 J	0.598	ND	0.125 J	0.135 J	ND J	0.352	ND	1.91 J	ND J	0.299 J	ND	1.77	ND	0.167 J	ND	
Benzo[g,h,i]perylene	100	500		ND	0.257	ND	ND	ND J	0.116 J	ND	0.386 J	ND J	ND	ND	ND	0.751	ND	0.144 J	ND	
Benzo[k]fluoranthene	0.8	56		0.203	0.398	ND	0.145 J	0.151 J	ND J	0.416	ND	2.3 J	ND J	0.377 J	ND	0.916	ND	0.166 J	ND	
Chrysene	1	56		0.167 J	0.703	ND	0.122 J	0.121 J	ND J	0.391	ND	2.61 J	ND J	0.267 J	ND	2.36	ND	0.154 J	ND	
Dibenz[a,h]anthracene	0.33	0.56		ND	0.121 J	ND	ND	ND	0.0629 J	ND	0.264 J	ND	0.264 J	ND J	ND	0.407	ND	ND	ND	
Dibenzofuran	7	350		ND	ND	ND	ND	ND	ND	ND	0.262	ND	0.262	ND	ND	0.371	ND	ND	ND	
Fluoranthene	100	500		0.372	0.7	ND	0.215 J	0.2	ND J	0.876	ND	6.02	ND	0.455	ND	5.02	ND	0.207 J	ND	
Fluorene	30	500		ND	ND	ND	ND	ND	ND	0.0904 J	ND	0.647	ND	ND	ND	0.712	ND	ND	ND	
Hexachlorobenzene	0.33	6		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0837 J	ND	ND	ND	ND	ND	
Indeno[1,2,3-c,d]pyrene	0.5	5.6		0.0674 J	0.248	ND	0.0515 J	ND	ND J	0.155 J	ND	0.579 J	ND J	0.0601 J	ND	0.875	ND	0.146 J	ND	
Naphthalene	12	500		ND	ND	ND	ND	ND	ND	ND	ND	0.0815 J	ND	ND	ND	0.107 J	ND	ND	ND	
Pentachlorophenol	0.8	6.7		ND J	ND J	ND J	ND J	ND J	ND J	ND J	ND J	ND J	ND J	ND J	ND J	ND J	ND J	ND J	ND J	
Phenanthrene	100	500		0.255	0.385	ND	0.141 J	0.0903 J	ND J	0.793	ND	5.48	ND	0.361	ND	5.04	ND	0.174 J	ND	
Pyrene	100	500		0.308	0.566	ND	0.242 J	0.219	ND J	0.767	ND	4.59	ND	0.592	ND	3.54	ND	0.193 J	ND	
PCBs																				
Aroclor 1248	NE	NE		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Aroclor 1254	NE	NE		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Aroclor 1260	NE	NE		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Total PCBs	0.1	1		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Pesticides/Herbicides																				
2,4,5-TP (Silvex)	3.8	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
4,4'-DDD	0.0033	92		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
4,4'-DDE	0.0033	62		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
4,4'-DDT	0.0033	47		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
alpha-BHC	0.02	3.4		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.00365	ND	ND	ND	ND	
beta-BHC	0.036	3		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
delta-BHC	0.04	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
gamma-BHC (Lindane)	0.1	9.2		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Metals																				
Arsenic	13	16		2	4.43	3.46	11.7 J	5.87	3.62 J	7.36	3.63	9.04	5.58	4.69	4.14	10.7	2.7	3.55	3.55	
Barium	350	400		53.3	81.7	42.8	147 J	74.2	36 J	87.8	33.4	136	152	92.5	55.2	105	80.9	96.6	96.6	
Beryllium	7.2	590		ND	ND	ND	0.414 J	ND	ND J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Cadmium	2.5	9.3		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Chromium, Trivalent	30	1,500		12.6	201	11.4	47.4 J	20.4	9.83 J	20.9	9.78	21.6	28.6	95	13.8	46.7	14.9	66.4	66.4	
Chromium, Hexavalent	1	400		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Chromium, Total	NE	NE		12.6	201	11.4	47.4 J	20.4	9.83 J	20.9	9.78	21.6	28.6	95	13.8	46.7	14.9	66.4	66.4	
Copper	50	270		12	18.5	16.7	36.5 J	20.7	15.5 J	23.1	12.8	117	27.2	21.8	16.9	35	16.6	12.7	12.7	
Lead	63	1,000		5.35	18.9	8.28	179 J	64.5	6.65 J	97.1	5.97	64.4	9.23	63.5	6.8	25.3	6.17	12.2	12.2	
Manganese	1,600	10,000		182	741	325	1,300 J	493	274 J	853	340	241	607	445	270	940	110	864 J	864 J	
Mercury	0.18	2.8		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Nickel	30	310		19.5	42.9	17.1	42.4 J	21.3	18.4 J	22.1	16.6	20.3	39.3	36.4	21	23.3	19.2	27.7	27.7	
Selenium	3.9	1,500		ND	ND	ND	ND	ND	1.53	ND	2.57	ND	ND	ND	ND	ND	ND	ND	1.64	
Zinc	109	10,000		52.6	53.3	50.4	235 J	115	45.8 J	173	42.6	207	70.8	148	55.5	116	61.6	83 J	83 J	
Cyanide																				
	27	27		ND	ND	ND	ND	ND	ND	ND	ND	0.719	ND	ND	ND	ND	ND	ND	ND	

Notes:
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NE = Not established
J = Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL); therefore, the result is an estimated

Indicates exceedance of the Unrestricted Use Objectives
Indicates exceedance of the Restricted Commercial Objectives

Table 1
Soil Analytical Results - July 2013 Remedial Investigation
1705 Factory Outlet Boulevard
Niagara, New York
Langan Project No.: 140091402

Parameters	NYSDEC Subpart 375-6: Remedial Program Soil Cleanup Objectives		Sample ID Sample Date Sampling Depth Units Sample Medium	LTP-40-B-20130703	LTP-41-A-20130626	LTP-41-B-20130626	FD-6-20130628 (LTP-42-A)	LTP-42-A-20130628	LTP-42-B-20130628	LTP-43-A-20130626	LTP-43-B-20130626	FD-7-20130629 (LTP-44-B)	LTP-44-A-20130629	LTP-44-B-20130629	LTP-45-A-20130702	LTP-45-B-20130702	LTP-46-A-20130702	LTP-46-B-20130702
	Unrestricted Use Objectives	Restricted Commercial		7/20/2013 6-8' mg/kg Clay	7/20/2013 1-3' mg/kg Fill-Sand	6/26/2013 7-9' mg/kg Clay	6/28/2013 0-2' mg/kg Fill-Sand	6/28/2013 0-2' mg/kg Fill-Sand	6/28/2013 8-10' mg/kg Clay	6/26/2013 1-3' mg/kg Fill-Sand	6/26/2013 8-10' mg/kg Clay	6/29/2013 8-10' mg/kg Clay	6/29/2013 0-2' mg/kg Fill-Sand	6/29/2013 8-10' mg/kg Clay	7/2/2013 1.5-3.5' mg/kg Fill-Sand	7/2/2013 6-8' mg/kg Silty Clay	7/2/2013 0-2' mg/kg Fill-Sand	7/2/2013 2-4' mg/kg Fill
VOCs																		
1,1-Dichloroethane	0.27	240		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	3.6	190		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	1.1	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	8.4	190		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	2.4	280		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	1.8	130		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	0.12	500		0.003 J	ND	0.003 J	ND	ND	ND	ND	ND	ND	0.0069	ND	ND	ND	ND	ND
Acetone	0.05	500		0.023 J	ND	0.022 J	ND	ND	ND	ND	ND	ND	0.03	0.011	ND	ND	ND	ND
Benzene	0.06	44		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	1.1	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethylene	0.25	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethyl Benzene	1	390		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	0.05	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	0.26	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p- & m- Xylenes	0.26	600		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	11	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	0.7	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethylene (TCE)	0.47	200		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	0.02	13		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes, Total	0.26	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SVOCs																		
Acenaphthene	20	500		ND	0.0726 J	ND	ND	ND	ND	ND	ND	ND	ND J	ND	ND	ND	ND	ND
Acenaphthylene	100	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND J	ND	ND	ND	ND	ND
Anthracene	100	500		ND	0.153 J	ND	0.0599 J	0.0739 J	ND	0.163 J	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[a]anthracene	1	5.6		ND	0.404	ND	0.158 J	0.243 J	ND	0.199	ND	ND	ND	ND	0.203	ND	0.0901 J	0.128 J
Benzo[a]pyrene	1	1		ND	0.408	ND	0.204 J	0.273 J	ND	0.22	ND	ND	ND	ND	0.179 J	ND	0.129 J	0.184 J
Benzo[b]fluoranthene	1	5.6		ND	0.346	ND	0.125 J	0.234 J	ND	0.339	ND	ND	ND	ND	0.181 J	ND	0.154 J	0.181 J
Benzo[b,h,i]perylene	100	500		ND	0.218	ND	0.0963 J	0.119 J	ND	0.114 J	ND	ND	ND	ND	0.114 J	ND	ND J	ND J
Benzo[k]fluoranthene	0.8	56		ND	0.351	ND	0.178 J	0.244 J	ND J	0.364	ND	ND	ND	ND	0.194 J	ND	0.136 J	0.164 J
Chrysene	1	56		ND	0.408	ND	0.208 J	0.256	ND	0.201	ND	ND	ND	ND	0.28	ND	0.0962 J	0.128 J
Dibenz[a,h]anthracene	0.33	0.56		ND	0.0851 J	ND	ND J	0.0497 J	ND	0.0509 J	ND	ND	ND	ND	0.0537 J	ND	ND J	ND J
Dibenzofuran	7	350		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND J	ND	ND	ND	ND	ND
Fluoranthene	100	500		ND	0.789	ND	0.385 J	0.45	ND	0.284	ND	ND	ND	ND	0.377	ND	0.141 J	0.206
Fluorene	30	500		ND	0.0695 J	ND	ND	ND	ND	ND	ND	ND	ND J	ND	ND	ND	ND	ND
Hexachlorobenzene	0.33	6		ND	ND	ND	ND J	0.36 J	ND	ND	ND	ND	ND	ND	ND	ND	2.92	4.98
Indeno[1,2,3-c,d]pyrene	0.5	5.6		ND	0.225	ND	0.0676 J	0.113 J	ND	0.102 J	ND	ND	ND	ND	0.0972 J	ND	ND J	0.0546 J
Naphthalene	12	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentachlorophenol	0.8	6.7		ND J	ND	ND	ND J	ND	ND	ND	ND	ND	ND	ND	ND J	ND J	ND J	ND J
Phenanthrene	100	500		ND	0.552	ND	0.218 J	0.297 J	ND	0.164 J	ND	ND	ND	ND	0.175 J	ND	0.125 J	0.123 J
Pyrene	100	500		ND	0.786 J	ND	0.445 J	0.555	ND	0.545 J	ND	ND	ND	ND	0.376	ND	0.201	0.278
PCBs																		
Aroclor 1248	NE	NE		ND	ND	ND	ND J	0.0935 J	ND	ND	ND	ND	ND	ND	ND	1.07	ND	8.31
Aroclor 1254	NE	NE		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.339	ND	ND
Aroclor 1260	NE	NE		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total PCBs	0.1	1		ND	ND	ND	ND J	0.0935 J	ND	ND	ND	ND	ND	ND	ND	1.07	0.339	8.31
Pesticides/Herbicides																		
2,4,5-TP (Silvex)	3.8	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDD	0.0033	92		ND	ND	ND	ND	ND	ND	ND	ND	ND	0.00356	ND	ND	ND	ND	ND
4,4'-DDE	0.0033	62		ND	0.00332	ND	ND	ND	ND	ND	ND	ND	0.00379	ND	ND	ND	ND	ND
4,4'-DDT	0.0033	47		ND	0.00614	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
alpha-BHC	0.02	3.4		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.232	0.182 J
beta-BHC	0.036	3		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.46	0.491 J
delta-BHC	0.04	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.199	ND
gamma-BHC (Lindane)	0.1	9.2		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.161	0.062 J
Metals																		
Arsenic	13	16		2.07	4.92	3.15	6.82	6.99	11.1	5.24	7.85	2.87 J	6.6	4.89 J	5.16	5.32	8.47	7.93
Barium	350	400		48.9	74.4	96.3	89.5	108	191	98	132	33.9 J	70.9	85 J	73.2	108	87.8	94.9
Beryllium	7.2	590		ND	ND	0.141	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	2.5	9.3		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chromium, Trivalent	30	1,500		13.5	16.7	18.7	17.4	24.2	20.4	27.6	9.12	248	15.2	209	23.3	25.2	22.3	ND
Chromium, Hexavalent	1	400		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chromium, Total	NE	NE		13.5	16.7	18.7	17.4	24.2	20.4	27.6	9.12	248	15.2	209	23.3	25.2	22.3	ND
Copper	50	270		11.9	31.2	10.3	28.1	34.3	35.5	27.5	22.8	10.9	25.8	15.1	19.4	25.6	41.2	29.9
Lead	63	1,000		6.24	96.2	7.82	50.3	75.3	8.34	9.17	5.03	155	7.24	34.4	7.43	72.7	46.1	ND
Manganese	1,600	10,000		168 J	493	141	588	633	1,360	407	617	289	547	427	504	406	382	999
Mercury	0.18	2.8		ND	0.162	0.0408	ND	ND	ND	0.333	0.0162	ND	ND	ND	ND	ND	0.252	ND
Nickel	30	310		19.2	21.3	23.9	21.8	23.8	59.4	23.3	40.1	14.7	45.1	22	30.2	37.2	37.1	29.6
Selenium	3.9	1,500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.63
Zinc	109	10,000		54.9 J	321	103	68.5	78.9	67	294	59.9	38.4	73.4	49	76.1	69	121	190
Cyanide																		
	27	27		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.2

Notes:
ND = Not detected above laboratory reporting limits
NE = Not established
J = Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL); therefore, the result is an estimated

Indicates exceedance of the Unrestricted Use Objectives
Indicates exceedance of the Restricted Commercial Objectives

Table 1
Soil Analytical Results - July 2013 Remedial Investigation
1705 Factory Outlet Boulevard
Niagara, New York
Langan Project No.: 140091402

	NYSDEC Subpart 375-6: Remedial Program Soil Cleanup Objectives		Sample ID	LTP-47-A-20130701	LTP-47-B-20130701	FD-11-20130701 (LTP-48-A)	LTP-48-A-20130701	LTP-48-B-20130701	LTP-49-A-20130701	LTP-50-A-20130630	LTP-51-A-20130701	LTP-51-B-20130701	LTP-52-A-20130628	LTP-52-B-20130628	LTP-53-A-20130628	LTP-53-B-20130628	LTP-54-A-20130628	LTP-54-B-20130628
	Unrestricted Use Objectives	Restricted Commercial	Sample Date	7/1/2013	7/1/2013	7/1/2013	7/1/2013	7/1/2013	7/1/2013	6/30/2013	7/1/2013	7/1/2013	6/28/2013	6/28/2013	6/28/2013	6/28/2013	6/28/2013	6/28/2013
Parameters			Sampling Depth	0-2' mg/kg	5-7' mg/kg	0.5-2.5' mg/kg	0.5-2.5' mg/kg	3-4.5' mg/kg	0-2' mg/kg	1-3' mg/kg	0-1' mg/kg	4-5' mg/kg	0-2' mg/kg	4-5' mg/kg	0-2' mg/kg	8-10' mg/kg	0-2' mg/kg	6-8' mg/kg
			Sample Medium	Fill-Sand	Fill-Sand/Clay	Fill-Sand	Fill-Sand	Fill-Sand	Fill-Sand	Fill-Sand	Fill-Sand	Fill-Sand	Fill-Sand	Fill-Clay	Fill-Sand	Clay	Fill-Sand	Sand
VOCs																		
1,1-Dichloroethane	0.27	240		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	3.6	190		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0088	ND	ND	ND	ND
1,2-Dichlorobenzene	1.1	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	8.4	190		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	2.4	280		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	1.8	130		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	0.12	500		ND	0.013	ND	ND	ND	ND	ND	0.01 J	ND	0.032	ND	ND	ND	ND	0.011
Acetone	0.05	500		ND	0.044	ND	ND J	ND	ND	0.0027 J	ND	0.033 J	ND	0.083	ND	0.0045 J	ND	ND
Benzene	0.06	44		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	1.1	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethylene	0.25	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethyl Benzene	1	390		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	0.05	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0072 J
o-Xylene	0.26	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p- & m- Xylenes	0.26	600		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	11	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0047 J	ND	ND	ND	ND	ND
Toluene	0.7	800		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethylene (TCE)	0.47	200		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	0.02	13		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes, Total	0.26	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SVOCs																		
Acenaphthene	20	500		ND	ND	0.0544 J	ND	ND	ND	0.0591 J	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	100	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	100	500		0.0943 J	ND	0.71	0.0959 J	0.0793 J	ND	0.15 J	0.203 J	ND	ND	ND	ND	ND	ND	ND
Benzofluoranthene	1	5.6		0.398	0.0974 J	0.418 J	0.335 J	0.393	0.0508 J	0.334	0.203 J	0.114 J	0.109 J	0.0918 J	0.225	ND	0.0749 J	ND
Benzolalpyrene	1	1		0.433 J	0.15 J	0.119 J	0.372 J	0.196	0.0608 J	0.152 J	0.22 J	0.156 J	0.129 J	0.125 J	0.264	ND	0.089 J	ND
Benzoblfuoranthene	1	5.6		0.522 J	0.108 J	0.484 J	0.713 J	0.252	0.0588 J	0.175 J	0.319	0.122 J	0.119 J	0.0829 J	0.248	ND J	0.0794 J	ND
Benzolg,h,lperylene	100	500		0.135 J	ND J	0.154 J	0.118 J	ND	ND J	ND	ND	0.121 J	ND J	ND	0.12 J	ND	ND	ND
Benzoklfuoranthene	0.8	56		0.591 J	0.0911 J	0.437 J	0.891 J	0.194	0.0592 J	0.171 J	0.356	0.122 J	0.128 J	0.104 J	0.233	ND	0.0568 J	ND J
Chrysene	1	56		0.422	0.114 J	0.453 J	0.325 J	0.314	0.0573 J	0.303	0.21 J	0.134 J	0.119 J	0.1 J	0.276	ND	0.0853 J	ND
Dibenzahianthracene	0.33	0.56		ND J	ND J	ND J	0.0951 J	ND J	ND J	ND	ND	ND	ND J	ND	0.0654 J	ND	ND	ND
Dibenzofuran	7	350		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	100	500		0.711	0.159 J	0.666 J	0.566 J	0.496	0.0692 J	0.739	0.338 J	0.194 J	0.183 J	0.192 J	0.48	ND J	0.113 J	ND
Fluorene	30	500		ND	ND	0.058 J	ND	ND	ND	0.0542 J	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	0.33	6		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0801 J	ND
Indeno(1,2,3-c,d)pyrene	0.5	5.6		ND J	0.0997 J	0.15 J	0.16 J	0.0712 J	ND J	ND J	0.0751 J	0.112 J	ND J	0.0885 J	0.14 J	ND	ND	ND
Naphthalene	12	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentachlorophenol	0.8	6.7		ND J	ND	ND	ND J	ND	ND	ND	ND	ND	ND	ND	ND	ND J	ND	ND
Phenanthrene	100	500		0.418	0.106 J	0.735 J	0.322 J	0.237	ND	0.553	0.204 J	0.146 J	0.133 J	0.123 J	0.247	ND	0.0672 J	ND
Pyrene	100	500		0.863	0.203 J	2.35 J	0.555 J	0.455	0.108 J	0.616	0.843 J	0.224 J	0.235	0.171 J	0.544	ND	0.143 J	ND
PCBs																		
Aroclor 1248	NE	NE		ND	ND J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.635	ND
Aroclor 1254	NE	NE		ND	ND J	ND	ND	ND	0.225	ND	ND	ND	0.0389	ND	ND	ND	ND	ND
Aroclor 1260	NE	NE		ND	ND J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total PCBs	0.1	1		ND	ND J	ND	ND	ND	0.225	ND	ND	ND	0.0389	ND	ND	ND	0.635	ND
Pesticides/Herbicides																		
2,4,5-TP (Silvex)	3.9	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND J	ND
4,4'-DDD	0.0033	92		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDE	0.0033	62		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDT	0.0033	47		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
alpha-BHC	0.02	3.4		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.00982	ND
beta-BHC	0.036	3		ND	ND	ND	ND	0.00879	ND	ND	ND	ND	0.0233	ND	ND	ND	0.0222	ND
delta-BHC	0.04	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-BHC (Lindane)	0.1	9.2		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Metals																		
Arsenic	13	16		5.22	5.08	6.09 J	4.08 J	5.63	6.43	5.09	4.86 J	4.43	3.35	6.54	5.06	4.95	4.81	4.23
Barium	350	400		47.3	85.6	130 J	80.3	96.9	72.5	61.7	76.9 J	91.3	65.8	91.8	87	145	68.6	89.7
Beryllium	7.2	590		ND	0.152	ND	ND	ND	ND	ND	ND	ND	ND	0.193	ND	ND	ND	0.278
Cadmium	2.5	9.3		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chromium, Trivalent	30	1,500		21.8	29.5	214	650 J	166	20.3	41.9	342	19.3	135	45.8	145	23.1	62.7	17.7
Chromium, Hexavalent	1	400		ND	ND	ND	ND	ND	ND	ND	ND	ND	6.34	ND	ND	ND	ND	ND
Chromium, Total	NE	NE		21.8 J	29.5 J	214 J	650 J	166 J	20.3 J	41.9	342 J	19.3 J	141	45.8	145	23.1	62.7	17.7
Copper	50	270		16.3	17.7	25.9	31.1 J	26	22.3	25.1	6.53	16.4	18.2	22.7	25.4	24.1	17.1	17.1
Lead	83	1,000		18	17.7	52.8 J	143 J	108	134	140	26.9 J	14	19	27.2	36.3	19.2	81.9	9.46
Manganese	1,600	10,000		346	159	834 J	529 J	915	757	568	455 J	119	338	280	545	1,040	569	149
Mercury	0.18	2.8		ND	ND	ND	ND J	0.154	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nickel	30	310		16.5	25.3	36.5 J	60.5 J	29.2	17.5	20.4	42.5	16	27.1	38.2	28.8	44.2	41.1	31.1
Selenium	3.9	1,500		1.42	2.59	3.22	ND	1.54	1.18	ND	2.18	2.85	ND	1.83	ND	ND	ND	ND
Zinc	109	10,000		90	85.4	112	182 J	200	243	200	88.9	68.4	61.9	95.9	73.9	55.3	248	85.8
Cyanide	27	27		ND J	ND J	ND J	ND J	ND J	ND J	ND	ND J	ND J	1.39	ND	ND	ND	ND	ND

Notes:
ND = Not detected above laboratory reporting limits
NE = Not established
J = Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL); therefore, the result is an estimated

Indicates exceedance of the Unrestricted Use Objectives
Indicates exceedance of the Restricted Commercial Objectives

Table 1
Soil Analytical Results - July 2013 Remedial Investigation
1705 Factory Outlet Boulevard
Niagara, New York
Langan Project No.: 140091402

Parameters	NYSDEC Subpart 375-B: Remedial Program Soil Cleanup Objectives		Sample ID	LTP-55-A-20130628	LTP-55-B-20130628	FD-8-20130629 (LTP-56-B)	LTP-56-A-20130629	LTP-56-B-20130629	LTP-57-A-20130702	LTP-58-A-20130624	LTP-58-B-20130624	LTP-59-A-20130701	LTP-59-B-20130701	LTP-60-A-20130701	LTP-60-B-20130701	LTP-61-A-2013-06-30	LTP-61-B-2013-06-30	LTP-62-A-20130624
	Unrestricted Use Objectives	Restricted Commercial	Sample Date	6-8'	0-2'	8-10'	5-7'	8-10'	0-2'	4-6'	6-8'	7/1/2013	6-8'	0-2'	7/1/2013	6/30/2013	6/30/2013	6/24/2013
			Sampling Depth Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Sample Medium:				Clay	Fill-Sand	Clay	Sand	Clay	Fill-Sand	Fill	Clay	Fill-Sand	Fill-Sand	Fill-Sand	Fill-Sand/Clay	Fill-Sand	Fill-Sand/Clay	Fill-Sand
VOCs																		
1,1-Dichloroethane	0.27	240		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	3.6	190		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	1.1	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	8.4	190		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	2.4	280		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.015	ND	ND
1,4-Dichlorobenzene	1.8	130		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	0.12	500		ND	0.0027 J	ND	ND	ND	ND	0.016	0.019	ND	ND	ND	ND	0.0062 J	0.0021 J	ND
Acetone	0.05	500		ND	ND	ND	0.011	0.0033 J	ND	ND	0.056 J	0.052	0.01	0.012	0.024	0.028 J	0.016	ND
Benzene	0.06	44		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	1.1	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethylene	0.25	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethyl Benzene	1	380		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	0.05	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-Xylene	0.26	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p- & m- Xylenes	0.26	600		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	11	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	0.7	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethylene (TCE)	0.47	200		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	0.02	13		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes, Total	0.26	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SVOCs																		
Acenaphthene	20	500		ND	ND	ND J	ND	ND		ND	ND	0.121 J	ND	0.285 J	ND	ND	ND	ND
Acenaphthylene	100	500		ND	ND	ND J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	100	500		0.112 J	ND	ND	ND	ND	ND	ND	ND	0.158 J	ND	0.564	ND	ND	ND	ND
Benzofluoranthene	1	5.6		0.24	0.0858 J	ND	ND	ND	ND	0.443	ND	0.443	ND	1.44	ND	0.556	ND	0.065 J
Benzofluorene	1	1		0.233	0.0766 J	ND	ND	ND	0.343 J	0.178 J	ND	0.5	ND	1.23 J	ND J	0.345	ND	0.07 J
Benzofluoranthene		5.6		0.19 J	ND	ND	ND	ND	0.397 J	0.263 J	ND	0.433	ND	1.52 J	ND J	0.374	ND	0.0516 J
Benzofluorene	100	500		0.176	ND	ND	ND	ND	0.185 J	ND J	ND	0.261	ND	0.355 J	ND J	0.261	ND	ND
Benzofluoranthene	0.8	56		0.185 J	0.0616 J	ND	ND	ND	0.391 J	0.298 J	ND	0.484	ND	1.44	ND J	0.23	1.44	0.0875 J
Chrysene	1	56		0.238	0.0824 J	ND	ND	ND	0.246	0.181 J	ND	0.449	ND	1.46	ND	0.482	ND	0.0722 J
Dibenz(a,h)anthracene	0.33	0.56		0.0631 J	ND	ND	ND	ND	ND J	ND J	ND	0.145 J	ND	ND J	ND J	0.0489 J	ND J	ND J
Dibenzofuran	7	350		ND	ND	ND J	ND	ND	ND	ND	ND	ND	ND	0.137 J	ND	ND	ND	ND
Fluoranthene	100	500		0.534	0.221	ND	ND	ND	0.415	0.269	0.0857 J	0.45	ND	3.45	ND	0.587	ND	0.111 J
Fluorene	30	500		ND	ND	ND J	ND	ND	ND	ND	ND	0.0911 J	ND	0.308 J	ND	ND	ND	ND
Hexachlorobenzene	0.33	6		ND	ND	ND	ND	ND	0.782	ND	ND	0.113 J	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-c)pyrene	0.5	5.6		0.166 J	ND	ND	ND	ND	0.0902 J	ND J	ND	0.287	ND	0.46 J	ND	0.0625 J	ND J	ND J
Naphthalene	12	500		ND	ND	ND	ND	ND	ND	ND	ND	0.0755 J	ND	ND	ND	ND	ND	ND
Pentachlorophenol	0.8	6.7		ND	ND	ND	ND	ND	ND	ND	ND	ND J	ND	ND	ND	ND	ND	ND
Phenanthrene	100	500		0.403	0.203 J	ND	ND	ND	0.273	0.14 J	ND	0.603	ND	3.01	ND	0.173 J	ND	0.0753 J
Pyrene	100	500		0.49	0.582	ND	ND	ND	0.582	0.41	0.0773 J	0.529	ND	3.54	ND	0.579	ND	0.117 J
PCBs																		
Aroclor 1248	NE	NE		ND	ND	ND	ND	ND	0.779	ND	ND J	ND	ND	0.163	ND	0.296	ND	ND
Aroclor 1254	NE	NE		ND	ND	ND	ND	ND	ND	ND	ND J	ND	ND	ND	ND	ND	ND	ND
Aroclor 1260	NE	NE		ND	ND	ND	ND	ND	ND	ND	ND J	ND	ND	ND	ND	ND	ND	ND
Total PCBs	0.1	1		ND	ND	ND	ND	ND	0.779	ND	ND	ND	ND	0.163	ND	0.296	ND	ND
Pesticides/Herbicides																		
2,4,5-TP (Silvex)	3.8	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDD	0.0033	92		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDE	0.0033	62		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDT	0.0033	47		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
alpha-BHC	0.02	3.4		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
beta-BHC	0.036	3		ND	ND	ND	ND	ND	0.688	ND	ND	ND	ND	0.06841	ND	ND	ND	ND
delta-BHC	0.04	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-BHC (Lindane)	0.1	9.2		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Metals																		
Arsenic	13	16		4.22	3.22	5.64	2.7	6.6	7.48	4.39	3.47	5.62	4.32	5.02	7.21	4.16	4.73	3.41
Barium	350	400		71.6	92.5	79.4 J	35.7	393 J	78.9	50.9	123	79.8	77.8	113	91.5	102	77.7	77.1
Beryllium	7.2	590		ND	0.126	ND	ND	ND	ND	ND	0.235	ND	0.187	ND	0.512	ND	0.308	ND
Cadmium	2.5	9.3		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chromium, Trivalent	30	1,500		376	26.2	23.8	8.86	24	23.5	53	33.5	34.1	18	57.8	19.1	31.2	15.4	15.1
Chromium, Hexavalent	NE	400		0.851	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chromium, Total	NE	NE		377	26.2	23.8	8.86	24	23.5	53	33.5	34.1 J	18 J	57.8 J	19.1 J	31.2	15.4	15.1
Copper	50	270		26.3	22.7	28.7	13.8	24.1	38	25.3	34.8	16.8	18.7	24	18.9	24.1	10.7	19.2
Lead	63	1,000		38.4	18.6	7.2	5.47	86.9	66.4	17.8	38.4	9.12	38.2	12.3	18.6	8.87	33.5	
Manganese	1,600	10,000		664	223	673	362	676	354	324	218	238	260	547	430	573	131	629
Mercury	0.18	2.8		ND	ND	ND	ND	ND	0.346 J	0.538 J	ND	ND	ND	ND	ND	ND	0.041 J	
Nickel	30	310		45.7	25	35.6	16	38	33.3	32.8	44	24.1	27.4	29	25.8	26.8	22.5	19.3
Selenium	3.9	1,500		ND	ND	ND	ND	ND	ND	ND	2.7	1.99	2.93	2.09	3.93	ND	2.34	ND
Zinc	109	10,000		73.2	68	59.1	39.3	61.7	102	144	149	115	83.4	273	92.6	150	70.6	140
Cvanide																		
	27	27		ND	1.81	ND	ND	ND	ND	ND	ND	ND	ND J	ND J	ND J	ND	ND	ND

Table 1
Soil Analytical Results - July 2013 Remedial Investigation
1705 Factory Outlet Boulevard
Niagara, New York
Langan Project No.: 140091402

Parameters	NYSDEC Subpart 375-6: Remedial Program Soil Cleanup Objectives		Sample ID	LTP-63-A-20130625	LTP-63-B-20130625	FD-1-20130625 (LTP-64-B)	LTP-64-A-20130625	LTP-64-B-20130625	LTP-65-A-20130629	LTP-66-A-20130629	LTP-66-B-20130629	FD-12-20130701 (LTP-67-B)	LTP-67-A-20130701	LTP-67-B-20130701	FD-9-20130629 (LTP-68-A)	LTP-68-A-20130629	LTP-68-B-20130629
	Unrestricted Use Objectives	Restricted Commercial	Sample Date	6/25/2013	6/25/2013	6/25/2013	6/25/2013	6/25/2013	6/29/2013	6/29/2013	6/29/2013	7/1/2013	7/1/2013	7/1/2013	6/29/2013	6/29/2013	6/29/2013
			Sampling Depth Units	1-3' mg/kg	3-4' mg/kg	3-5' mg/kg	5-7' mg/kg	3-5' mg/kg	0-2' mg/kg	5-7' mg/kg	7-9' mg/kg	5-7' mg/kg	0-2' mg/kg	5-7' mg/kg	1-3' mg/kg	1-3' mg/kg	6-8' mg/kg
			Sample Medium	Fill	Fill	Fill-Clay	Clay	Fill-Clay	Fill	Sand	Clay	Clay	Fill-Sand	Clay	Fill-Sand	Fill-Sand	Silty Clay
VOCs																	
1,1-Dichloroethane	0.27	240		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	3.6	190		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	1.1	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	8.4	190		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	2.4	280		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	1.8	130		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	0.12	500		0.0048	0.0056	0.024	0.0026 J	0.026	ND	ND	0.0034 J	ND	ND	ND	ND	ND	ND
Acetone	0.05	500		0.022	0.03	0.079	0.023	0.077	0.025	ND	ND	ND	ND	ND	0.035	ND	ND
Benzene	0.06	44		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	1.1	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethylene	0.25	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethyl Benzene	1	390		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	0.05	500		0.0022 J	0.016	ND J	ND	0.034 J	ND	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	0.26	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p- & m- Xylenes	0.26	600		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	11	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	0.7	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethylene (TCE)	0.47	200		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	0.02	13		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes, Total	0.26	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SVOCs																	
Acenaphthene	20	500		ND	0.058 J	0.0839 J	ND	ND	ND	ND	ND J	ND	0.0963 J	ND	ND	ND	ND
Acenaphthylene	100	500		ND	ND	ND	ND	ND	ND	ND	ND J	ND	0.0928 J	ND	ND	ND	ND
Anthracene	100	500		ND	0.137 J	0.104 J	ND	ND	ND	ND	ND	ND	0.712	ND	ND	ND	ND
Benzolanthracene	1	5.6		ND	0.376	0.356	ND	0.138 J	0.076 J	ND	ND	ND J	0.716 J	ND	ND J	0.194 J	ND
Benzolaperyene	1	1		ND	0.356	0.437 J	ND	0.143 J	ND J	ND	ND	ND J	0.688 J	ND J	0.149 J	0.187 J	ND
Benzobifluoranthene	1	5.6		ND	0.377	0.417 J	ND	0.108 J	ND J	ND	ND	ND J	0.943 J	ND J	0.189 J	0.177 J	ND
Benzofluoranthene	100	500		ND	0.138 J	0.249 J	ND	ND	ND J	ND	ND	ND J	0.198 J	ND J	ND J	0.116 J	ND
Benzokluoranthene	0.8	56		ND	0.383	0.38	ND	0.138 J	ND J	ND	ND	ND J	0.953 J	ND J	0.15 J	0.136 J	ND
Chrysene	1	56		0.0931 J	0.309	0.316	ND	0.127 J	0.0873 J	ND	ND	ND J	0.746 J	ND	0.119 J	0.155 J	ND
Dibenz[a,h]anthracene	0.33	0.56		ND	ND	0.0697 J	ND	ND	ND J	ND J	ND	ND	0.0982 J	ND J	ND J	0.0623 J	ND
Dibenzofuran	7	350		ND	ND	ND	ND	ND	ND	ND	ND J	ND	0.9092 J	ND	ND	ND	ND
Fluoranthene	100	500		ND	0.557	0.373	ND	0.201 J	0.179 J	ND	ND	ND J	0.856	ND	ND J	0.244 J	ND
Fluorene	30	500		ND	0.0742 J	0.0661 J	ND	ND	ND	ND	ND J	ND	0.1 J	ND	ND	ND	ND
Hexachlorobenzene	0.33	6		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.5	5.6		ND	0.161 J	0.251 J	ND	0.0897 J	ND J	ND J	ND	ND J	0.2 J	ND J	ND J	0.105 J	ND
Naphthalene	12	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0944 J	ND	ND	ND	ND
Pentachlorophenol	0.8	6.7		ND	ND	ND	ND	ND	ND J	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	100	500		ND	0.489	0.421 J	ND	0.147 J	0.125 J	ND	ND	ND J	0.717	ND	0.117 J	0.135 J	ND
Pyrene	100	500		ND	0.513	0.417	ND	0.15 J	0.145 J	ND	ND	ND J	1.67 J	ND	0.233	0.237	ND
PCBs																	
Aroclor 1248	NE	NE		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0743 J	ND J	ND
Aroclor 1254	NE	NE		ND	0.108	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1260	NE	NE		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total PCBs	0.1	1		ND	0.108	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0743 J	ND J	ND
Pesticides/Herbicides																	
2,4,5-TP (Silvex)	3.8	500		ND	ND	ND	ND	ND	ND J	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDD	0.0033	92		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDE	0.0033	62		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDT	0.0033	47		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
alpha-BHC	0.02	3.4		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
beta-BHC	0.036	3		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0245 J	0.0144 J	ND
delta-BHC	0.04	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-BHC (Lindane)	0.1	9.2		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Metals																	
Arsenic	13	16		6.15	2.52	5.89 J	1.5	3.91 J	ND	2.52	5.09	2.69 J	11.3	3.23	4.11	4.47	3.43
Barium	350	400		97.4	93	118	102	130	81.5	56.3	91.2	54.5	98.6	62.3	80.9	80.2	48.3
Beryllium	7.2	590		ND	ND	0.358 J	0.167	0.529 J	ND	ND	0.254	ND	ND	ND	ND	ND	ND
Cadmium	2.5	9.3		0.59	ND	ND	ND	ND	ND	ND	0.433	ND	ND	ND	0.645	ND	ND
Chromium, Trivalent	30	1,500		32.9	646	136	18.6	92	2,590	14.3	19.9	11.4 J	520	14.1	60.6 J	218 J	12.3
Chromium, Hexavalent	1	400		ND	ND	ND	ND	ND	202	ND	ND	ND	ND	ND	ND	ND	ND
Chromium, Total	NE	NE		32.9	646	136	18.6	92	2,790	14.3	19.9	11.4 J	520 J	14.1 J	60.6 J	218 J	12.3
Copper	50	270		23.5	22.7	38	14.4	27.8	17.4	13.4	27.2	11.3 J	52.2	14.8	25.2	24.8	16.6
Lead	63	1,000		24	92.5	46.6	65	35.4	14.8	6.2	12.6	5.86 J	140	7.22	74.3	70	8.56
Manganese	1,600	10,000		492	590	182	141	180	549	189	294	135 J	563	184	615	475	216
Mercury	0.18	2.8		0.0954 J	0.207 J	0.577 J	0.0295 J	0.335 J	ND	ND	ND	ND J	ND	ND	0.615 J	ND J	ND
Nickel	30	310		30.1	44	59	24.8	44	174	23.8	35.8	15.3 J	41.2	20.2	24.8	31.7	20.1
Selenium	3.9	1,500		ND	ND	2.03	ND	1.74	ND	1.3	1.9	1.64	1.52	1.73	ND	1.34	ND
Zinc	109	10,000		92.3	181	121	351	101	17.8	62	181	51.2 J	240	63.7	315	243	89.4
Cyanide	27	27		ND	0.75	0.865	ND	ND	ND	ND	ND	ND	ND J	ND J	ND	ND	ND

Notes:
ND = Not detected above laboratory reporting limits
NE = Not established
J = Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL); therefore, the result is an estimated

Indicates exceedance of the Unrestricted Use Objectives
Indicates exceedance of the Restricted Commercial Objectives

Table 1
Soil Analytical Results - July 2013 Remedial Investigation
1705 Factory Outlet Boulevard
Niagara, New York
Langan Project No.: 140091402

Parameters	NYSDEC Subpart 375-6: Remedial Program Soil Cleanup Objectives		Sample ID Sample Date Sampling Depth Units Sample Medium	LTP-69-A-20130629	LTP-69-B-20130629	LTP-70-A-20130629	LTP-70-B-20130629
	Unrestricted Use Objectives	Restricted Commercial		6/29/2013 4-5' mg/kg	6/29/2013 5-7' mg/kg	6/29/2013 0-2' mg/kg	6/29/2013 8-10' mg/kg
				Fill-Silt	Clay	Fill-Sand	Clay
VOCs							
1,1-Dichloroethane	0.27	240		ND	ND	ND	ND
1,2,4-Trimethylbenzene	3.6	190		ND J	ND	ND	ND
1,2-Dichlorobenzene	1.1	500		ND J	ND	ND	ND
1,3,5-Trimethylbenzene	8.4	190		ND J	ND	ND	ND
1,3-Dichlorobenzene	2.4	280		ND J	ND	ND	ND
1,4-Dichlorobenzene	1.8	130		ND J	ND	ND	ND
2-Butanone	0.12	500		0.0074 J	ND	0.0033 J	ND
Acetone	0.05	500		0.049 J	ND	0.016	0.0037 J
Benzene	0.06	44		ND	ND	ND	ND
Chlorobenzene	1.1	500		ND	ND	ND	ND
cis-1,2-Dichloroethylene	0.25	500		ND	ND	ND	ND
Ethyl Benzene	1	390		ND	ND	ND	ND
Methylene chloride	0.05	500		ND	0.0043 J	ND	ND
o-Xylene	0.26	500		ND	ND	ND	ND
p- & m- Xylenes	0.26	600		ND	ND	ND	ND
sec-Butylbenzene	11	500		ND J	ND	ND	ND
Toluene	0.7	500		ND	ND	ND	ND
Trichloroethylene (TCE)	0.47	200		ND	ND	ND	ND
Vinyl Chloride	0.02	13		ND	ND	ND	ND
Xylenes, Total	0.26	500		ND	ND	ND	ND
SVOCs							
Acenaphthene	20	500		ND	ND	ND	ND
Acenaphthylene	100	500		0.0952 J	ND	ND	ND
Anthracene	100	500		0.133 J	ND	ND	ND
Benzo(a)anthracene	1	5.6		0.425	ND	ND	ND
Benzo(a)pyrene	1	1		0.438 J	ND	ND	ND
Benzo(b)fluoranthene	1	5.6		0.583 J	ND	ND	ND
Benzo(g,h,i)perylene	100	500		ND J	ND	ND	ND
Benzo(k)fluoranthene	0.8	56		0.568 J	ND	ND	ND
Chrysene	1	56		0.445	ND	ND	ND
Dibenz(a,h)anthracene	0.33	0.56		ND J	ND	ND J	ND
Dibenzofuran	7	350		0.0675 J	ND	ND	ND
Fluoranthene	100	500		0.538	ND	0.086 J	ND
Fluorene	30	500		0.058 J	ND	ND	ND
Hexachlorobenzene	0.33	6		ND	ND	ND	ND
Indeno(1,2,3-c,d)pyrene	0.5	5.6		0.0802 J	ND	ND J	ND
Naphthalene	12	500		0.0869 J	ND	ND	ND
Pentachlorophenol	0.8	6.7		ND	ND	ND	ND
Phenanthrene	100	500		0.481	ND	ND	ND
Pyrene	100	500		0.808	ND	0.0762 J	ND
PCBs							
Aroclor 1248	NE	NE		ND	ND	0.324	ND
Aroclor 1254	NE	NE		ND	ND	ND	ND
Aroclor 1260	NE	NE		ND	ND	ND	ND
Total PCBs	0.1	1		ND	ND	0.324	ND
Pesticides/Herbicides							
2,4,5-TP (Silvex)	3.8	500		ND	ND	ND	ND
4,4'-DDD	0.0033	92		ND	ND	ND	ND
4,4'-DDE	0.0033	62		ND	ND	ND	ND
4,4'-DDT	0.0033	47		ND	ND	ND	ND
alpha-BHC	0.02	3.4		ND	ND	ND	ND
beta-BHC	0.036	3		ND	ND	ND	ND
delta-BHC	0.04	500		ND	ND	ND	ND
gamma-BHC (Lindane)	0.1	9.2		ND	ND	ND	ND
Metals							
Arsenic	13	16		13.2	2.29	4.21	5.35
Barium	350	400		59.1	35.7	140	92.8
Beryllium	7.2	590		ND	ND	0.277	ND
Cadmium	2.5	9.3		1.24	ND	ND	ND
Chromium, Trivalent	30	1,500		906	8.47	24.5	22.2
Chromium, Hexavalent	1	400		ND	ND	ND	ND
Chromium, Total	NE	NE		906	8.47	24.5	22.2
Copper	50	270		114	5.37	17.6	26.2
Lead	63	1,000		340	3.89	21.8	6.63
Manganese	1,600	10,000		560	322	550	671
Mercury	0.18	2.8		ND	ND	ND	ND
Nickel	30	310		62.1	12.3	27.7	35.9
Selenium	3.9	1,500		ND	ND	ND	ND
Zinc	109	10,000		465	39.4	73.6	56.8
Cyanide	27	27		ND	ND	ND	ND

Notes:

ND = Not detected above laboratory reporting limits

NE = Not established

J = Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL); therefore, the result is an estimated

Indicates exceedance of the Unrestricted Use Objectives

Indicates exceedance of the Restricted Commercial Objectives

Table 2
Summary of Waste Disposal and Import Quantities
1705 Factory Outlet Boulevard
Niagara, New York
Langan Project No.: 140091402

EXPORTED MATERIALS			
Disposal Facility	Material Type	Total Loads	Total Tons Exported
Allied Waste Niagara Falls Landfill, Niagara Falls, New York	Non-Hazardous	7,235	150,568.77
Modern Disposal Services, Inc., Lewiston, New York	Non-Hazardous	599	14,058.40
CWM Chemical Services, LLC, Model City, NY	PCB-Impacted Soil (designated hazardous)	20	716.61
	Hazardous Chromium-Impacted Soil	21	682.06
Waste Management Mahoning Landfill, Mahoning, Ohio	Low-Level Radioactive Waste	11	258.53
IMPORTED MATERIALS			
Source Facility	Material Type	Total Loads	Total Tons Imported
LaFarge Niagara Aggregate Plant, Niagara Falls, New York	Virgin Quarry Stone	7,988	182,705.97
Gernatt Asphalt Products, Inc., Collins, New York		320	8,871.81
Niagara Falls High School, Niagara Falls, New York	Topsoil	426	9,372
Inactive Town of Tonawanda Landfill, Tonawanda, New York		664	14,608
Mawhiney Trucking Helmich Site, Lewiston, New York	Clay	19	424.29

Table 3
Groundwater Discharge Tracking Spreadsheet
1705 Factory Outlet Boulevard
Niagara, New York
Langan Project No. 140091402

DATE	DAILY QUANTITY DISCHARGED	CUMULATIVE DISCHARGE (job-to-date)
12/23/2013	37,600	37,600
12/24/2013	35,000	72,600
12/25/2013	0	72,600
12/26/2013	0	72,600
12/27/2013	35,000	107,600
12/28/2013	0	107,600
12/29/2013	0	107,600
12/30/2013	35,000	142,600
12/31/2013	35,000	177,600
1/1/2014	35,000	212,600
1/2/2014	35,000	247,600
1/3/2014	35,000	282,600
1/4/2014	0	282,600
1/5/2014	0	282,600
1/6/2014	35,000	317,600
1/7/2014	35,000	352,600
1/8/2014	35,000	387,600
1/9/2014	35,000	422,600
1/10/2014	35,000	457,600
1/11/2014	0	457,600
1/12/2014	0	457,600
1/13/2014	35,000	492,600
1/14/2014	35,000	527,600
1/15/2014 through 3/6/2014	0	527,600
3/7/2014	32,600	560,200
3/8/2014	0	560,200
3/9/2014	0	560,200
3/10/2014	65,900	626,100
3/11/2014	45,600	671,700
3/12/2014	88,300	760,000
3/13/2014	92,600	852,600
3/14/2014	157,400	1,010,000
3/15/2014	90,000	1,100,000
3/16/2014	110,900	1,210,900

Table 3
Groundwater Discharge Tracking Spreadsheet
1705 Factory Outlet Boulevard
Niagara, New York
Langan Project No. 140091402

DATE	DAILY QUANTITY DISCHARGED	CUMULATIVE DISCHARGE (job-to-date)
3/17/2014	0	1,210,900
3/18/2014	0	1,210,900
3/19/2014	20,000	1,230,900
3/20/2014	135,300	1,366,200
3/21/2014	109,500	1,475,700
3/22/2014	94,300	1,570,000
3/23/2014	80,000	1,650,000
3/24/2014	52,800	1,702,800
3/25/2014	109,100	1,811,900
3/26/2014	128,900	1,940,800
3/27/2014	104,200	2,045,000
3/28/2014	127,500	2,172,500
3/29/2014	77,500	2,250,000
3/30/2014	80,000	2,330,000
3/31/2014	44,500	2,374,500
4/1/2014	149,500	2,524,000
4/2/2014	133,400	2,657,400
4/3/2014	130,000	2,787,400
4/4/2014	109,500	2,896,900
4/5/2014	120,000	3,016,900
4/6/2014	130,000	3,146,900
4/7/2014	96,300	3,243,200
4/8/2014	124,600	3,367,800
4/9/2014	128,400	3,496,200
4/10/2014	101,800	3,598,000
4/11/2014	67,900	3,665,900
4/12/2014	60,000	3,725,900
4/13/2014	70,000	3,795,900
4/14/2014	53,800	3,849,700
4/15/2014	123,600	3,973,300
4/16/2014	85,500	4,058,800
4/17/2014	100,800	4,159,600
4/18/2014	65,700	4,225,300
4/19/2014	80,442	4,305,742
4/20/2014	80,442	4,386,184
4/21/2014	74,804	4,460,988
4/22/2014	114,153	4,575,141
4/23/2014	75,979	4,651,120
4/24/2014	59,905	4,711,025
4/25/2014	67,860	4,778,885
4/26/2014	101,265	4,880,150
4/27/2014	65,993	4,946,143
4/28/2014	65,993	5,012,136
4/29/2014	68,648	5,080,784
4/30/2014	116,616	5,197,400

Table 3
Groundwater Discharge Tracking Spreadsheet
1705 Factory Outlet Boulevard
Niagara, New York
Langan Project No. 140091402

DATE	DAILY QUANTITY DISCHARGED	CUMULATIVE DISCHARGE (job-to-date)
5/1/2014	69,035	5,266,435
5/2/2014	59,627	5,326,062
5/3/2014	62,424	5,388,486
5/4/2014	62,424	5,450,910
5/5/2014	95,396	5,546,306
5/6/2014	107,294	5,653,600
5/7/2014	62,976	5,716,576
5/8/2014	98,250	5,814,826
5/9/2014	125,150	5,939,976
5/10/2014	99,031	6,039,007
5/11/2014	49,031	6,088,038
5/12/2014	149,032	6,237,070
5/13/2014	121,665	6,358,735
5/14/2014	138,870	6,497,605
5/15/2014	95,000	6,592,605
5/16/2014	93,029	6,685,634
5/17/2014	116,343	6,801,977
5/18/2014	122,759	6,924,736
5/19/2014	119,564	7,044,300
5/20/2014	115,100	7,159,400
5/21/2014	89,200	7,248,600
5/22/2014	54,800	7,303,400
5/23/2014	46,700	7,350,100
5/24/2014	14,900	7,365,000
5/25/2014	15,000	7,380,000
5/26/2014	14,100	7,394,100
5/27/2014	21,000	7,415,100
5/28/2014	40,100	7,455,200
5/29/2014	90,400	7,545,600
5/30/2014	24,300	7,569,900
5/31/2014	43,400	7,613,300
6/1/2014	2,200	7,615,500
6/2/2014	31,600	7,647,100
6/3/2014	21,700	7,668,800
6/4/2014	68,700	7,737,500
6/5/2014	47,500	7,785,000
6/6/2014	41,700	7,826,700
6/7/2014	30,000	7,856,700
6/8/2014	30,000	7,886,700
6/9/2014	30,700	7,917,400
6/10/2014	56,800	7,974,200
6/11/2014	8,700	7,982,900
6/12/2014	50,000	8,032,900
6/13/2014	6,700	8,039,600

Table 3
Groundwater Discharge Tracking Spreadsheet
1705 Factory Outlet Boulevard
Niagara, New York
Langan Project No. 140091402

DATE	DAILY QUANTITY DISCHARGED	CUMULATIVE DISCHARGE (job-to-date)
6/14/2014 through 6/17/2014	0	8,039,600
6/18/2014	42,100	8,081,700
6/19/2014	65,800	8,147,500
6/20/2014	16,700	8,164,200
6/21/2014	600	8,164,800
6/22/2014	0	8,164,800
6/23/2014	0	8,164,800
6/24/2014	0	8,164,800
6/25/2014	100	8,164,900
6/26/2014	2,800	8,167,700
6/27/2014	14,800	8,182,500
6/28/2014	18,850	8,201,350
6/29/2014	18,850	8,220,200
6/30/2014	5,400	8,225,600
7/1/2014	23,900	8,249,500
7/2/2014	1,900	8,251,400
7/3/2014	29,700	8,281,100
7/4/2014	10,100	8,291,200
7/5/2014	10,100	8,301,300
7/6/2014	10,100	8,311,400
7/7/2014	10,200	8,321,600
7/8/2014	53,100	8,374,700
7/9/2014	50,200	8,424,900
7/10/2014	40,000	8,464,900
7/11/2014 through 7/16/2014	0	8,464,900
7/17/2014	82,400	8,547,300
7/18/2014	89,000	8,636,300
7/19/2014	38,766	8,675,066
7/20/2014	38,766	8,713,832
7/21/2014	38,768	8,752,600
7/22/2014	45,700	8,798,300
7/23/2014	8,200	8,806,500
7/24/2014	29,100	8,835,600
7/25/2014	14,700	8,850,300
7/26/2014	900	8,851,200
7/27/2014	7,400	8,858,600
7/28/2014	7,400	8,866,000
7/29/2014	57,300	8,923,300
7/30/2014	0	8,923,300
7/31/2014	54,900	8,978,200

Table 3
Groundwater Discharge Tracking Spreadsheet
1705 Factory Outlet Boulevard
Niagara, New York
Langan Project No. 140091402

DATE	DAILY QUANTITY DISCHARGED	CUMULATIVE DISCHARGE (job-to-date)
8/1/2014	94,100	9,072,300
8/2/2014	97,400	9,169,700
8/4/2014	2,000	9,171,700
8/5/2014	110,600	9,282,300
8/6/2014	72,100	9,354,400
8/7/2014	79,600	9,434,000
8/8/2014	105,100	9,539,100
8/9/2014	45,200	9,584,300
8/11/2014	97,400	9,681,700
8/12/2014	64,700	9,746,400
8/13/2014	68,900	9,815,300
8/14/2014	109,600	9,924,900
8/15/2014	75,100	10,000,000
8/16/2014	0	10,000,000
8/18/2014	76,700	10,076,700
8/19/2014	500	10,077,200
8/20/2014 through 9/3/2014	0	10,077,200
9/4/2014	2,000	10,079,200
9/5/2014	49,400	10,128,600
9/6/2014	120,000	10,248,600
9/7/2014	50,400	10,299,000
9/8/2014	87,400	10,386,400
9/9/2014	111,700	10,498,100
9/10/2014	125,000	10,623,100
9/11/2014 through 9/22/2014	0	10,623,100
9/23/2014	22,000	10,645,100
9/24/2014 through 10/8/2014	0	10,645,100
10/9/2014	52,600	10,697,700
10/10/2014	500	10,698,200
10/11/2014 through 10/31/2014	0	10,698,200

Table 4
Discharged Groundwater Analytical Results
1705 Factory Outlet Boulevard
Niagara, New York
Langan Project No. 140091402

Parameters	Niagara Falls Water Board Criteria (lb/day)	January Discharge #1- 16 1/8/2014 lb/day	NFWB-D1 3/31/2014 lb/day	NFWB 5/1/2014 lb/day	NFWB 5/30/2014 lb/day	NFWB 7/2/2014 lb/day	FOM 2 10/2/2014 lb/day
VOCs (lb/day)							
Bromodichloromethane	0.015	ND	ND	ND	0.0008	ND	ND
Chloroform	0.055	ND	ND	ND	0.0018	ND	ND
SVOCs (lb/day)	Varies	ND	ND	ND	ND	ND	NA
PCBs (lb/day)	0.00024	ND	ND	NA	NA	NA	NA
Pesticides (lb/day)	0.00032	ND	ND	NA	NA	NA	NA
Metals (lb/day)							
Aluminum	NE	NA	NA	0.0114	0.0033	0.0109	0.0438
Chromium, Total	2.0	0.1481	0.0393	0.1989	0.0076	0.0002	0.0022
Copper	0.965	ND	ND	0.0199	0.0051	0.0004	0.0055
Lead	0.32	ND	ND	0.0235	0.0054	0.0002	0.0022
Mercury	0.00064	ND	ND	0.0006	0.00004	0.000003	0.0001
Sodium	NE	10.78	NA	NA	NA	NA	NA
Zinc	1.38	0.0248	ND	0.0989	0.0301	ND	ND
Total Organic Carbon (lb/day)	48.8	NA	NA	7.93	1.30	0.20	2.01
Dissolved Organic Carbon (lb/day)	48.8	2.19	1.9639	5.29	1.50	0.50	2.01
Diethylene Glycol (lb/day)	NE	ND	ND	NA	NA	NA	NA
Flash Point (°C)	NE	>70	>70	NA	NA	NA	NA
pH	NE	10.05	7.79	NA	NA	NA	NA
Total Phenolics (lb/day)	0.005	ND	ND	ND	ND	ND	ND
Total Phosphorus (lb/day)	2	0.0146	ND	0.4599	0.1113	0.0006	ND
Total Suspended Solids (lb/day)	375	43.72	0.15	328.82	55.85	0.13	0.88
Ammonia-N (lb/day)	NE	ND	ND	NA	NA	NA	NA
Chloride (lb/day)	NE	12.09	99.68	NA	NA	NA	NA
Residual Chlorine (lb/day)	NE	ND	ND	NA	NA	NA	NA
Cyanide (lb/day)	0.155	0.01	NA	ND	ND	ND	ND

Notes:

ND = Not detected above laboratory reporting limits

NE = Not established

CCV-E = The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification.

B = Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants. Data users

J = Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL); therefore, the result is an estimated

Bold indicates an exceedances of the Niagara Falls Water Board Criteria

Table 5
Summary of Post-Excavation Soil Samples – PCB Hotspot
1705 Factory Outlet Boulevard
Niagara, New York
Langan Project No. 140091402

Parameters	NYSDEC Subpart 375-6: Remedial Program Soil Cleanup Objectives		South-SW-1 12/19/2013	DUP-1 (South-SW-1) 12/19/2013	South-SW-2 12/19/2013	West-SW-1 12/19/2013	West-SW-2 12/19/2013	North-SW-1 12/19/2013	North-SW-2 12/19/2013	East-SW-1 12/19/2013	East-SW-2 12/19/2013	Bottom-1 12/19/2013	Bottom-2 12/19/2013
	Unrestricted Use (mg/kg)	Restricted Commercial (mg/kg)	3.5-4.5' mg/kg	3.5-4.5' mg/kg	3.5-4.5' mg/kg	3.5-4.5' mg/kg	3.5-4.5' mg/kg	3.5-4.5' mg/kg	3.5-4.5' mg/kg	3.5-4.5' mg/kg	3.5-4.5' mg/kg	3.5-4.5' mg/kg	3.5-4.5' mg/kg
	Sample Medium		Silty sand	Silty sand	Silty sand	Silty sand	Silty sand	Silty sand	Silty sand	Silty sand	Silty sand	Silty sand	Silty sand
PCBs (mg/kg)	0.1	1	ND<0.0258	ND<0.0249	ND<0.024	ND<0.0202	ND<0.0194	ND<0.0218	ND<0.0212	ND<0.0247	ND<0.0236	ND<0.021	ND<0.0208

Notes:

ND = Not detected above laboratory reporting limits

Indicates exceedance of the Part 375 Unrestricted Use Objectives

Indicates exceedance of the Part 375 Restricted Commercial Objectives

Table 6
Summary of Post-Excavation Soil Samples - Hazardous Chromium Hotspot
1705 Factory Outlet Boulevard
Niagara, New York
Langan Project No. 140091402

Parameters	NYSDEC Subpart 375-6: Remedial Program Soil Cleanup Objectives		RCRA Hazardous Waste Criteria	CR-NW-1 9/29/2014	CR-SW-1 9/18/2014	CR-EW-1 9/18/2014	DUP-CR-1 (CR-EW-1) 9/18/2014	CR-EW-2 9/18/2014	CR-EW-3 9/18/2014	CR-EW-4 9/29/2014	CR-WW-1 9/18/2014	CR-WW-2 9/18/2014	CR-WW-3 9/18/2014	CR-WW-4 9/29/2014	CR-B-1 9/18/2014	CR-B-2 9/29/2014
	Unrestricted Use (mg/kg)	Restricted Commercial (mg/kg)		5-6'	5-6'	5-6'	5-6'	5-6'	5-6'	5-6'	5-6'	5-6'	5-6'	5-6'	7'	7'
Chromium, trivalent (mg/kg)	30	1,500	–	1,020	8.34	13.4	8.17	12.8	10.9	2,400	10.8	9.43	13.9	2,400	12.1	6.44
Chromium, hexavalent (mg/kg)	1	400	–	20.7	ND<0.595	ND<0.587	ND<0.576	ND<5.82	ND<0.591	28.5	ND<0.598	ND<0.601	ND<0.608	43.4	ND<0.573	ND<0.577
Chromium, total (mg/kg)	--	--	–	1,040	8.34	13.4	8.17	12.8	10.9	2,430	10.8	9.43	13.9	2,440	12.1	6.44
TCLP Chromium (mg/L)	--	--	5	0.876	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	0.560	ND<0.005	ND<0.005	ND<0.005	1.08	ND<0.005	ND<0.005

Notes:
ND = Not detected above laboratory reporting limits

Indicates exceedance of the Part 375 Unrestricted Use Objectives
Indicates exceedance of the Part 375 Restricted Commercial Objectives

Table 7
Summary of Imported Topsoil Analytical Results - Niagara Falls High School Athletic Fields
1705 Factory Outlet Boulevard
Niagara, New York
Langan Project No. 140091402

Parameters	DER-10 Subdivision 5.4(e) Commercial Use Criteria (mg/kg)	GS-1 4/15/2014 Soil mg/kg	GS-2 4/15/2014 Soil mg/kg	GS-3 4/15/2014 Soil mg/kg	GS-4 4/15/2014 Soil mg/kg	GS-5 4/15/2014 Soil mg/kg	GS-6 4/15/2014 Soil mg/kg	CS-1 4/15/2014 Soil mg/kg	CS-2 4/15/2014 Soil mg/kg	SP-C-1 4/28/2014 Soil mg/kg	SP-C-2 4/28/2014 Soil mg/kg	SP-C-3 4/28/2014 Soil mg/kg	SP-C-4 4/28/2014 Soil mg/kg	SP-C-5 4/28/2014 Soil mg/kg	SP-G-1 4/28/2014 Soil mg/kg	SP-G-2 4/28/2014 Soil mg/kg	SP-G-3 4/28/2014 Soil mg/kg	SP-G-4 4/28/2014 Soil mg/kg	SP-G-5 4/28/2014 Soil mg/kg	SP-G-6 4/28/2014 Soil mg/kg	SP-G-7 4/28/2014 Soil mg/kg	SP-G-8 4/28/2014 Soil mg/kg	SP-G-9 4/28/2014 Soil mg/kg	SP-G-10 4/28/2014 Soil mg/kg	SP-G-11 4/28/2014 Soil mg/kg
VOCs (mg/kg)																									
1,2,4-Trimethylbenzene	3.6	ND<0.00246	0.00117 J	ND<0.00217	ND<0.00218	ND<0.00218	ND<0.00216	NA	NA	NA	NA	NA	NA	NA	ND<0.00205	ND<0.00217	ND<0.00197	ND<0.00202	ND<0.00189	ND<0.00205	ND<0.00211	ND<0.00243	ND<0.00214	ND<0.00147	ND<0.00201
2-Butanone	0.12	ND<0.0123	ND<0.01	ND<0.0108	ND<0.0109	ND<0.0109	ND<0.0108	NA	NA	NA	NA	NA	NA	NA	ND<0.0103	ND<0.0108	ND<0.00987	ND<0.0101	ND<0.00946	ND<0.0102	ND<0.0106	ND<0.0122	0.00621 J	ND<0.00737	ND<0.0101
Carbon disulfide	NE	ND<0.00246	ND<0.00201	ND<0.00217	ND<0.00218	ND<0.00218	ND<0.00216	NA	NA	NA	NA	NA	NA	NA	ND<0.00205	ND<0.00217	ND<0.00197	ND<0.00202	ND<0.00189	ND<0.00205	ND<0.00211	ND<0.00243	0.00195 J	ND<0.00147	ND<0.00201
Methyl acetate	NE	ND<0.00246	ND<0.00201	ND<0.00217	ND<0.00218	ND<0.00218	ND<0.00216	NA	NA	NA	NA	NA	NA	NA	ND<0.00205	ND<0.00217	ND<0.00197	ND<0.00202	ND<0.00189	ND<0.00205	ND<0.00211	0.107	ND<0.00214	ND<0.00147	ND<0.00201
SVOCs (mg/kg)	Varies																								
2-Methylphenol	0.33	NA	NA	NA	NA	NA	NA	ND<0.382	ND<0.397	ND<0.351	ND<0.345	ND<0.343	ND<0.362	ND<0.350	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-Methylphenol	0.33	NA	NA	NA	NA	NA	NA	ND<0.382	ND<0.397	ND<0.351	ND<0.345	ND<0.343	ND<0.362	ND<0.350	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Penol	0.33	NA	NA	NA	NA	NA	NA	ND<0.382	ND<0.397	ND<0.351	ND<0.345	ND<0.343	ND<0.362	ND<0.350	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCBs (mg/kg)	1	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pesticides/Herbicides (mg/kg)																									
Alpha-BHC	0.02	NA	NA	NA	NA	NA	NA	ND<0.00382	ND<0.00395	ND<0.00352	ND<0.00339	ND<0.00347	0.00326 J	ND<0.00348	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endrin Ketone	NE	NA	NA	NA	NA	NA	NA	0.0021 J	0.00216 J	ND<0.00352	ND<0.00339	ND<0.00347	0.00208 J	2.38 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methoxychlor	500 ^a	NA	NA	NA	NA	NA	NA	ND<0.00382	ND<0.00395	ND<0.00352	ND<0.00339	ND<0.00347	ND<0.00364	1.99	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals (mg/kg)																									
Arsenic	16	NA	NA	NA	NA	NA	NA	5.19	5.52	5.69	3.99	4.25	5.60	4.34	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	400	NA	NA	NA	NA	NA	NA	115	116	128	101	94.9	115	106	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	47	NA	NA	NA	NA	NA	NA	0.743	0.753	0.834	0.700	0.709	0.773	0.747	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	7.5	NA	NA	NA	NA	NA	NA	0.358 J	0.34 J	ND<0.649	ND<0.629	ND<0.595	ND<0.592	ND<0.574	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium, Hexavalent	19	NA	NA	NA	NA	NA	NA	ND<0.0014	ND<0.0013	ND<0.0012	ND<0.0012	ND<0.0012	N<0.0012	ND<0.0012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium, Trivalent	1500	NA	NA	NA	NA	NA	NA	37.4	76.8	37	28.8	26.1	33.8	33.7 D	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	270	NA	NA	NA	NA	NA	NA	20.6	21.7	22.8	18.6	17.5	29.5	19.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	450	NA	NA	NA	NA	NA	NA	27.3	33.5	30.3	24.6	24.9	27.9	25.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	2,000	NA	NA	NA	NA	NA	NA	533	539	710	505	577	489	525 M	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	130	NA	NA	NA	NA	NA	NA	22.7	24.2	27.9	22.6	21.4	23.9	23.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	2,480	NA	NA	NA	NA	NA	NA	117	121	136	121	127	111	107	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	0.73	NA	NA	NA	NA	NA	NA	0.165	0.169	0.210	0.129	0.120	0.122	0.133 D	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:
Soil sample analytical results are compared to DER-10 Appendix 5 Allowable Constituent Levels for Imported Fill or Soil Subdivision 5.4(e)Commercial Use (mg/kg)
mg/kg = milligram per kilogram
NA = Not Analyzed
ND = Not detected above laboratory reporting limits
NE = Not established
J = Result estimated between the quantitation limit and half the quantitation limit.
M = Matrix spike recoveries outside QC limits. Matric bias indicated
D = Sample, laboratory control sample, or matrix spike duplicate results above relative percent difference
^a = Criteria not provided in Appendix 5 of DER-10 therefore Supplemental Soil Cleanup Objectives criteria in Table 1 of NYSDEC CP-51/Soil Cleanup Guidance was used
Italics = Laboratory reporting limit above the established criteria

Table 8
Summary of Imported Topsoil Analytical Results - Inactive Town of Tonawanda Landfill
1705 Factory Outlet Boulevard
Niagara, New York
Langan Project No. 140091402

Parameters	DER-10 Subdivision 5.4(e) Commercial Use Criteria (mg/kg)	TW-G1 5/8/2014 Soil mg/kg	TW-G2 5/8/2014 Soil mg/kg	G-3 5/22/2014 Soil mg/kg	G-4 5/22/2014 Soil mg/kg	G-5 5/22/2014 Soil mg/kg	G-6 5/22/2014 Soil mg/kg	G-7 5/22/2014 Soil mg/kg	G-8 5/22/2014 Soil mg/kg	G-9 5/22/2014 Soil mg/kg	G-10 5/22/2014 Soil mg/kg	G-11 5/22/2014 Soil mg/kg	G-12 5/22/2014 Soil mg/kg	G-13 5/22/2014 Soil mg/kg	G-14 5/22/2014 Soil mg/kg	G-15 5/22/2014 Soil mg/kg	G-16 5/22/2014 Soil mg/kg	G-17 5/22/2014 Soil mg/kg
VOCs (mg/kg)																		
1,2,4-Trimethylbenzene	3.6	ND<0.00337	ND<0.00342	0.00257 J	0.00347	0.00232 J	0.00287 J	0.00232 J	0.00275 J	0.00306	0.00303	0.00266 J	0.00294 J	0.00262	0.00306	0.00219 J	0.00228 J	0.00295 J
2-Butanone	0.12	ND<0.0169	ND<0.0171	0.0155	0.0278	0.0247	0.0287	0.0194	0.0270	0.0325	0.0291	0.0219	0.0327	0.0291	0.0293	0.0144	0.0139	0.0225
Acetone	0.05	ND<0.0169	ND<0.0171	0.126	0.271	0.246	0.269	0.142	0.268	0.321 EE	0.292 E	0.211	0.315 E	0.216	0.150	0.127	0.128	0.233
Benzene	0.06	ND<0.00337	ND<0.00342	0.00805	0.00826	0.00666	0.00761	0.00598	0.00737	0.00774	0.00725	0.00653	0.00779	0.00651	0.00788	0.00633	0.00652	0.00734
Carbon disulfide	500 ^a	ND<0.00337	ND<0.00342	0.00183 J	0.00152 J	0.00194 J	0.00295 J	0.00363	0.0042	0.00281 J	0.00276 J	0.00231 J	0.00316	0.0031	0.00328	0.00206 J	0.00174 J	0.00322
Cyclohexane	NE	ND<0.0169	ND<0.0171	0.00996 J	0.0110 J	0.00917 J	0.00989 J	0.00814 J	0.0106 J	0.0111 J	0.00996 J	0.0108 J	0.0110 J	0.00847 J	0.0102 J	0.00992 J	0.00947 J	0.00969 J
Ethylbenzene	1	ND<0.00337	ND<0.00342	0.00149 J	0.00189 J	ND<0.00315	0.00153 J	0.00154 J	0.00171 J	0.00159 J	0.00157 J	ND<0.00296	ND<0.00310	0.00168 J	0.00179 J	ND<0.00242	0.00131 J	ND<0.00304
m,p-Xylene	1.6	ND<0.00337	ND<0.00342	0.00882	0.011	0.00859	0.00946	0.00766	0.00993	0.0102	0.00946	0.00979	0.00968	0.00922	0.0101	0.00896	0.00809	0.00933
Methyl acetate	NE	ND<0.00337	ND<0.00342	0.00191 J	0.160	0.00193 J	0.0041	0.00644	0.00556	0.00279 J	0.00712	0.00292 J	0.00442	0.00216 J	ND<0.00282	0.00278	0.00212 J	0.00705
Methylcyclohexane	NE	ND<0.00337	ND<0.00342	0.0101	0.0121	0.0103	0.0102	0.00869	0.0112	0.0116	0.0106	0.0116	0.0112	0.00856	0.0109	0.00991	0.0104	0.00972
o-Xylene	NE	ND<0.00337	ND<0.00342	0.00244 J	0.00332	0.00227 J	0.00249 J	0.00218 J	0.00269 J	0.0031	0.00280 J	0.00265 J	0.00286 J	0.00235 J	0.00298	0.00251	0.00246 J	0.00272 J
Toluene	0.7	ND<0.00337	ND<0.00342	0.0124	0.0142	0.013	0.0143	0.0132	0.0164	0.0144	0.0143	0.0137	0.015	0.0128	0.0145	0.0127	0.0125	0.0138
SVOCs (mg/kg)																		
2-Methylnapthalene	0.41 ^a	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylphenol	0.33	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-Methylphenol	0.33	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzaldehyde	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo (a) anthracene	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo (a) pyrene	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo (b) fluoranthene	1.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo (g,h,i) perylene	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo (k) fluoranthene	1.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bis (2-ethylhexyl) phthalate	50 ^a	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobenzene	0.41 ^a	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indeno (1,2,3-cd) pyrene	5.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorophenol	0.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenanthrene	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenol	0.33	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCBs (mg/kg)	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pesticides/Herbicides (mg/kg)																		
4,4-DDD	14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4-DDE	17	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4-DDT	47	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
alpha-BHC	0.02	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
beta-BHC	0.09	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-Chlordane	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dieldrin	0.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan I	102	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan II	102	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan Sulfate	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endrin	0.06	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endrin Aldehyde	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endrin Ketone	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
gamma-BHC (Lindane)	0.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Heptachlor Epoxide	0.077 ^a	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methoxychlor	500 ^a	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-Chlordane	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals (mg/kg)																		
Arsenic	16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	47	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium, Hexavalent	19																	
Chromium, Trivalent	1500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	270	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	450	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	2,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	130	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	2,480	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	0.73	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:

Soil sample analytical results are compared to DER-10 Appendix 5 Allowable Constituent Levels for Imported Fill or Soil Subdivision 5.4(e)Commercial Use (mg/kg)

mg/kg = milligram per kilogram

NA = Not Analyzed

ND = Not detected above laboratory reporting limits

NE = Not established

Bold/shading indicates exceedance of NYSDEC criteria

J = Result estimated between the quantitation limit and half the quantitation limit.

M = Matrix spike recoveries outside QC limits. Matric bias indicated

D = Sample, laboratory control sample, or matrix spike duplicate results above relative percent difference

^a = Criteria not provided in Appendix 5 of DER-10 therefore Supplemental Soil Cleanup Objectives criteria in Table 1 of NYSDEC CP-51/Soil Cleanup Guidance was use

Italics = Laboratory reporting limit above the established criteria

Table 8
Summary of Imported Topsoil Analytical Results - Inactive Town of Tonawanda Landfill
1705 Factory Outlet Boulevard
Niagara, New York
Langan Project No. 140091402

Parameters	DER-10 Subdivision 5.4(e) Commercial Use Criteria (mg/kg)	G-18 5/22/2014 Soil mg/kg	G-19 5/22/2014 Soil mg/kg	G-20 5/22/2014 Soil mg/kg	G-21 5/22/2014 Soil mg/kg	G-22 5/22/2014 Soil mg/kg	G-23 5/22/2014 Soil mg/kg	G-24 5/22/2014 Soil mg/kg	DUP-1 (G-24) 5/23/2014 Soil mg/kg	1W-C1 5/8/2014 Soil mg/kg	C-2 5/22/2014 Soil mg/kg	C-3 5/22/2014 Soil mg/kg	C-4 5/22/2014 Soil mg/kg	C-5 5/22/2014 Soil mg/kg	C-6 5/22/2014 Soil mg/kg	C-7 5/22/2014 Soil mg/kg	C-8 5/22/2014 Soil mg/kg	C-9 5/22/2014 Soil mg/kg	C-10 5/22/2014 Soil mg/kg	C-11 5/22/2014 Soil mg/kg	C-12 5/22/2014 Soil mg/kg	DUP-2 (C-12) 5/22/2014 Soil mg/kg
VOCs (mg/kg)																						
1,2,4-Trimethylbenzene	3.6	0.00239 J	0.00321	0.00275 J	0.00247 J	0.00279 J	0.00336	0.00289	0.00287 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone	0.12	0.0352	0.0404	0.0245	0.0238	0.0294	0.0232	0.0271	0.0300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	0.05	0.412 EE	0.447 EE	0.234	0.247	0.276	0.232	0.273	0.262	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	0.06	0.00648	0.0074	0.00717	0.007	0.00712	0.00813	0.0077	0.00818	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon disulfide	500 ^a	0.00262 J	0.00349	0.00289	0.00359	0.00324	0.00343	0.00414	0.00424	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyclohexane	NE	0.00891 J	0.0109 J	0.00916 J	0.00959 J	0.00988 J	0.0117 J	0.0107 J	0.0110 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	1	ND<0.00264	ND<0.00295	ND<0.00282	0.00143 J	0.00159 J	0.00233 J	0.00176 J	0.00205 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
m,p-Xylene	1.6	0.00766	0.0101	0.00965	0.00879	0.0101	0.0112	0.0104	0.0105	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl acetate	NE	0.0113	0.00631	0.00662	0.00331	0.00839	0.00767	0.0115	0.0186	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methylcyclohexane	NE	0.00986	0.0115	0.00949	0.00975	0.0108	0.013	0.0115	0.0117	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	NE	0.00225 J	0.00272 J	0.00256 J	0.00233 J	0.00274 J	0.00304	0.00275 J	0.00279 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	0.7	0.0127	0.0144	0.0131	0.0136	0.015	0.0175	0.0169	0.0175	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs (mg/kg)																						
2-Methylnapthalene	0.41 ^a	NA	NA	NA	NA	NA	NA	NA	NA	ND<0.417	ND<0.402	ND<0.403	ND<0.432	ND<0.412	ND<0.784	ND<0.369	ND<0.413	ND<0.453	ND<2.22	ND<0.393	ND<0.726	ND<0.943
2-Methylphenol	0.33	NA	NA	NA	NA	NA	NA	NA	NA	ND<0.417	ND<0.402	ND<0.403	ND<0.432	ND<0.412	ND<0.784	ND<0.369	ND<0.413	ND<0.453	ND<2.22	ND<0.393	ND<0.726	ND<0.943
3&4-Methylphenol	0.33	NA	NA	NA	NA	NA	NA	NA	NA	ND<0.417	ND<0.402	ND<0.403	ND<0.432	ND<0.412	ND<0.784	ND<0.369	ND<0.413	ND<0.453	ND<2.22	ND<0.393	ND<0.726	ND<0.943
Benzaldehyde	NE	NA	NA	NA	NA	NA	NA	NA	NA	ND<0.417	0.463 E	ND<0.403	ND<0.432	ND<0.412	ND<0.784	ND<0.369	ND<0.413	ND<0.453	ND<2.22	ND<0.393	ND<0.726	ND<0.943
Benzo (a) anthracene	1	NA	NA	NA	NA	NA	NA	NA	NA	0.298 J	0.263 J	0.437	0.316 J	0.331 J	0.732 J	0.447	0.620	0.480	ND<2.22	0.419	0.816	0.741 J
Benzo (a) pyrene	1	NA	NA	NA	NA	NA	NA	NA	NA	0.387 J	0.268 J	0.451	0.445	0.402 J	0.806	0.503	0.624	0.536	ND<2.22	0.472	0.708 J	0.757 J
Benzo (b) fluoranthene	1.7	NA	NA	NA	NA	NA	NA	NA	NA	0.283 J	0.261 J	0.489	0.523	0.354 J	0.619 J	0.451	0.582	0.627	ND<2.22	0.416	0.596 J	0.791 J
Benzo (g,h,i) perylene	500	NA	NA	NA	NA	NA	NA	NA	NA	0.292 J	0.219 J	0.372 J	0.403 J	0.337 J	0.700 J	0.398	0.483	0.454	ND<2.22	0.378 J	0.516 J	0.618 J
Benzo (k) fluoranthene	1.7	NA	NA	NA	NA	NA	NA	NA	NA	0.455	0.276 J	0.375 J	0.328 J	0.416	0.934	0.541	0.572	0.355 J	ND<2.22	0.481	0.796	0.623 J
Bis (2-ethylhexyl) phthalate	50 ^a	NA	NA	NA	NA	NA	NA	NA	NA	0.224 J	ND<0.402	ND<0.403	ND<0.432	0.242 J	ND<0.784	ND<0.369	ND<0.413	ND<0.453	ND<2.22	ND<0.393	ND<0.726	ND<0.943
Chrysene	1	NA	NA	NA	NA	NA	NA	NA	NA	0.45	0.324 J	0.524	0.435	0.453	0.920	0.572	0.700	0.602	ND<2.22	0.535	0.874	0.887 J
Fluoranthene	500	NA	NA	NA	NA	NA	NA	NA	NA	0.899	0.612	1.08	0.642	0.749	1.670	1.020	1.250	1.140	1.160 J	0.956	1.820	1.650
Hexachlorobenzene	0.41 ^a	NA	NA	NA	NA	NA	NA	NA	NA	ND<0.417	ND<0.402	ND<0.403	ND<0.432	ND<0.412	ND<0.784	ND<0.369	ND<0.413	ND<0.453	ND<2.22	ND<0.393	ND<0.726	ND<0.943
Indeno (1,2,3-cd) pyrene	5.6	NA	NA	NA	NA	NA	NA	NA	NA	0.275 J	0.269 J	0.314 J	0.397 J	0.382 J	0.687 J	0.506	0.515	0.500	ND<2.22	0.387 J	0.610 J	0.677 J
Pentachlorophenol	0.8	NA	NA	NA	NA	NA	NA	NA	NA	ND<0.834	ND<0.804	ND<0.807	ND<0.863	ND<0.824	ND<1.570	ND<0.738	ND<0.826	ND<0.906	ND<4.450	ND<0.786	ND<1.450	ND<1.890
Phenanthrene	500	NA	NA	NA	NA	NA	NA	NA	NA	0.447	0.260 J	0.451	ND<0.432	0.278 J	0.656 J	0.313 J	0.401 J	0.407 J	ND<2.22	0.308 J	0.831	0.583 J
Phenol	0.33	NA	NA	NA	NA	NA	NA	NA	NA	ND<0.417	ND<0.402	ND<0.403	ND<0.432	ND<0.412	ND<0.784	ND<0.369	ND<0.413	ND<0.453	ND<2.22	ND<0.393	ND<0.726	ND<0.943
Pyrene	500	NA	NA	NA	NA	NA	NA	NA	NA	0.662 D	0.442	0.777	0.52	0.573	1.25	0.751	0.924	0.843	ND<2.22	0.709	1.310	1.210
PCBs (mg/kg)	1	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pesticides/Herbicides (mg/kg)																						
4,4-DDD	14	NA	NA	NA	NA	NA	NA	NA	NA	0.00984	0.00271 JP	0.00435	0.00872	0.00486	0.00460 P	0.00393	0.00466	0.00853 P	0.0082	0.00804 P	0.0061	0.00821
4,4-DDE	17	NA	NA	NA	NA	NA	NA	NA	NA	0.00678	0.0104	0.00744	0.0213	0.0118	0.0124	0.00584	0.0107	0.0199	0.0139	0.0207	0.0154	0.0189
4,4-DDT	47	NA	NA	NA	NA	NA	NA	NA	NA	ND<0.00415	0.00356 J	0.00276 J	0.00262 JP	ND<0.00439 M	0.00313 JP	ND<0.00385	0.00342 J	0.00484 P	ND<0.00454	0.00519 P	0.00578	0.00352 JP
alpha-BHC	0.02	NA	NA	NA	NA	NA	NA	NA	NA	ND<0.00415	ND<0.00408	ND<0.00416	ND<0.00440	ND<0.00439	ND<0.00415	ND<0.00385	ND<0.00427	ND<0.00482	ND<0.00454	0.00213 J	ND<0.00376	ND<0.00485
beta-BHC	0.09	NA	NA	NA	NA	NA	NA	NA	NA	ND<0.00415	0.00390 JP	ND<0.00416	ND<0.00440	ND<0.00439 MD	ND<0.00415	ND<0.00385	ND<0.00427	ND<0.00482	ND<0.00454	0.00284 JP	0.00287 JP	ND<0.00485
cis-Chlordane	NE	NA	NA	NA	NA	NA	NA	NA	NA	0.00814 P	0.0119	0.00969 P	0.0253 P	0.0143	0.017	0.00759	0.0132	0.0246	0.0164 P	0.0282 P	0.0178	0.0223
Dieldrin	0.1	NA	NA	NA	NA	NA	NA	NA	NA	ND<0.00415	ND<0.00408	ND<0.00416	0.00444	0.00467 M	ND<0.00415	ND<0.00385	ND<0.00427	ND<0.00482 P	0.00380 JP	0.00449 P	0.00234 J	ND<0.00485
Endosulfan I	102	NA	NA	NA	NA	NA	NA	NA	NA	ND<0.00415	ND<0.00408	ND<0.00416	ND<0.00440	ND<0.00439 M	ND<0.00415	ND<0.00385	ND<0.00427	ND<0.00482	ND<0.00454	ND<0.00410	ND<0.00376	ND<0.00485
Endosulfan II	102	NA	NA	NA	NA	NA	NA	NA	NA	ND<0.00415	ND<0.00408	ND<0.00416	ND<0.00440	ND<0.00439 M	ND<0.00415	ND<0.00385	ND<0.00427	ND<0.00482	ND<0.00454	ND<0.00410	ND<0.00376	ND<0.00485
Endosulfan Sulfate	200	NA	NA	NA	NA	NA	NA	NA	NA	ND<0.00415	0.00997	ND<0.00416	0.00239 J	ND<0.00439 M	0.00308 J	ND<0.00385	0.00273 JP	0.00737	0.00287 JP	0.00682 P	0.00656	0.00722 P
Endrin	0.06	NA	NA	NA	NA	NA	NA	NA	NA	ND<0.00415	ND<0.00408	ND<0.00416	ND<0.00483	ND<0.00439 MD	ND<0.00415	ND<0.00385	ND<0.00427	ND<0.00482	ND<0.00454	ND<0.00410	0.00580 P	ND<0.00485
Endrin Aldehyde	NE	NA	NA	NA	NA	NA	NA	NA	NA	0.00304	0.0173 P	0.00443 P	ND<0.00440	0.00406 JPM	0.0179	0.00197 JP	ND<0.00427	0.00283 JP	ND<0.00454	0.00264 J	0.00277 J	ND<0.00485
Endrin Ketone	NE	NA	NA	NA	NA	NA	NA	NA	NA	ND<0.00415	0.00626 P	ND<0.00416	ND<0.00440	0.00285 JPM	ND<0.00415	ND<0.00385	ND<0.00427	ND<0.00482	ND<0.00454	ND<0.00410	0.00289 J	ND<0.00485
gamma-BHC (Lindane)	0.1	NA	NA	NA	NA	NA	NA	NA	NA	ND<0.00415	0.00307 J	ND<0.00416	ND<0.00440	ND<0.00439 M	ND<0.00415	ND<0.00385	ND<0.00427	ND<0.00482	ND<0.00454	0.00232 JP	ND<0.00376	ND<0.00485
Heptachlor Epoxide	0.077 ^a	NA	NA	NA	NA	NA	NA	NA	NA	ND<0.00415	ND<0.00408	ND<0.00416	ND<0.00440	ND<0.00439	ND<0.00415	ND<0.00385	ND<0.00427	ND<0.00482	ND<0.00454	ND<0.00259 JP	ND<0.00376	0.00294 J
Methoxychlor	500 ^a	NA	NA	NA	NA	NA	NA	NA	NA	ND<0.00415	0.00355 JP	0.00313 JP	0.00355 JP	0.00418 JPM	0.00518 P	0.00219 JP	ND<0.00427	0.00290 JP	0.00228 JP	0.00422 P	0.00292 JP	0.00291 JP
trans-Chlordane	NE	NA	NA	NA	NA	NA	NA	NA	NA	0.00674 P	0.00998 P	0.00794 P	0.0183 P	0.0109 P	0.0119 P	0.00531 P	0.0102	0.0186 P	0.0123 P	0.0194 P	0.0125 P	0.0156 P
Metals (mg/kg)																						
Arsenic	16	NA	NA	NA	NA	NA	NA	NA	NA	4.35	4.47	4.23	5.07	4.93	5							

Table 9
Summary of Imported Clay Analytical Results - Mawhiney Trucking Helmich Site
1705 Factory Outlet Boulevard
Niagara, New York
Langan Project No. 140091402

Parameters	DER-10 Subdivision 5.4(e) Commercial Use Criteria (mg/kg)	CLAYPIT-G1 9/17/2014 Soil mg/kg	CLAYPIT-G2 9/17/2014 Soil mg/kg	CLAYPIT-G3 9/17/2014 Soil mg/kg	CLAYPIT-G4 9/17/2014 Soil mg/kg	CLAYPIT-G5 9/17/2014 Soil mg/kg	DUP-1-CP 9/17/2014 Soil mg/kg	CLAYPIT-G6 9/17/2014 Soil mg/kg	CLAYPIT-C1 9/17/2014 Soil mg/kg	CLAYPIT-C2 9/17/2014 Soil mg/kg
VOCs (mg/kg)										
Acetone	0.05	<i>ND<0.0086</i>	0.011 B	0.017 B	0.011 B	0.013 J,B	0.012 J,B	<i>ND<0.023</i>	NA	NA
SVOCs (mg/kg)	Varies	NA	NA	NA	NA	NA	NA	NA	ND<0.188	ND<0.195
PCBs (mg/kg)	1	NA	NA	NA	NA	NA	NA	NA	ND<0.0188	ND<0.0195
Pesticides/Herbicides (mg/kg)	Varies	NA	NA	NA	NA	NA	NA	NA	ND<0.00165	ND<0.00165
Metals (mg/kg)										
Arsenic	16	NA	NA	NA	NA	NA	NA	NA	4.32	4.22
Barium	400	NA	NA	NA	NA	NA	NA	NA	148	157
Chromium, Hexavalent	19	NA	NA	NA	NA	NA	NA	NA	ND<0.564	ND<0.584
Chromium, Trivalent	1500	NA	NA	NA	NA	NA	NA	NA	18.5	17.3
Copper	270	NA	NA	NA	NA	NA	NA	NA	32.7	20.6
Lead	450	NA	NA	NA	NA	NA	NA	NA	6.93	6.99
Manganese	2,000	NA	NA	NA	NA	NA	NA	NA	594	599
Nickel	130	NA	NA	NA	NA	NA	NA	NA	35.5	35.5
Zinc	2,480	NA	NA	NA	NA	NA	NA	NA	51.6	51.4

Notes:

Soil sample analytical results are compared to DER-10 Appendix 5 Allowable Constituent Levels for
Imported Fill or Soil Subdivision 5.4(e)Commercial Use (mg/kg)

mg/kg = milligram per kilogram

NA = Not Analyzed

ND = Not detected above laboratory reporting limits

NE = Not established

B = Analyte found in the associated batch blank.

J = Result estimated between the quantitation limit and half the quantitation limit.

Italics = Laboratory reporting limit above the established criteria