Table 3
Soil Analytical Results Summary
Former Morris Canal - Remedial Investigation
Jersey City, Hudson County, New Jersey

Sample ID	Laboratory Sample ID	Sampling Date	Sampling Depth (feet)	Dilution Factor	Matrix	Unit		Aluminum	**Antimony**	Arsenic	Barium	Beryllium	Cadmium	Calcium	Chromium	Cobalt	Copper	Iron	Lead	Magnesium	Manganese	Mercury	**Nickel**	Potassium	Selenium	Silver	Sodium	**Thallium**	**Vanadium**	Zinc	Hexavalent Chromium	pH/Corrosivity	Oxidation-Reduction Potential (Redox)	Chromium Rerun Samples*	DataVal.Flags Cr+6
							RDCSRS	78000	31	19	16000	16	78	NC	NC	1600	3100	NC	400	NC	11000	23	1600	NC	390	390	NC	5	78	23000	240	NC	NC	240	
							NRDCSRS	NA	450	19	59000	140	78	NC	NC	590	45000	NC	800	NC	5900	65	23000	NC	5700	5700	NC	79	1100	110000	20	NC	NC	20	
							IGWSSL	3900	6	19	1300	0.5	1	NC	NC	59	7300	NC	59	NC	42	0.1	31	NC	7	1	NC	3	NA	600	NC	NC	NC	NC	
Chrome Site 121																																			
121_B1_1.0	04531-011	05/09/11	1/1.5	1	Soil	mg/Kg		**8950**	0.332 U	14.5	127	**0.637**	0.519	6750	19.6	9.23	45.0	19600	**347**	2490	**593**	**0.826**	17.7	991	2.24 J	0.166 U	221	0.465	22.4	**665**	0.290 U	8.01	159	0.290 U	UJ 1
121_B1_4.5	04531-013	05/09/11	4.5/5	1	Soil	mg/Kg		3870	0.313 U	**20.0**	27.2	0.250 U	0.156 U	1780	29.8	27.1	51.7	179000	**67.7**	273	**1360**	0.045	**38.6**	267	1.25 U	0.156 U	103 J	0.156 U	**119**	18.2	0.280 U	5.86	205	0.280 U	UJ 1
121_B1_8.0	04531-015	05/09/11	8/8.5	1	Soil	mg/Kg		**10700**	0.330 U	4.04	77.6	**0.558**	0.165 U	5930	15.4	7.84	23.1	16800	**110**	2870	**323**	**0.350**	14.5	1160	1.35 J	0.165 U	225	0.196 J	21.7	174	0.316 U	7.26	40.0	0.316 U	UJ 1
121_B1_12.0	04531-017	05/09/11	12/12.5	1	Soil	mg/Kg		**11000**	0.430 U	3.05	51.3	**0.736**	0.215 U	2670	15.8	6.49	12.4	14100	15.7	2800	**169**	0.034	12.5	1090	1.95 J	0.215 U	315	0.215 U	20.3	54.7	0.382 U	7.13	75.0	0.382 U	UJ 1
121_B2_1.5	04531-002	05/09/11	1.5/2	1	Soil	mg/Kg		**9000**	0.302 U	**23.0**	94.9	**0.631**	0.366	13600	19.6	6.16	42.0	17400	**129**	3530	**367**	**0.300**	15.0	1020	2.55	0.151 U	203	0.527	22.4	242	0.269 U	7.96	171	0.269 U	UJ 1
121_B2_4.5	04531-004	05/09/11	4.5/5	1	Soil	mg/Kg		**9830**	0.331 U	6.12	138	**0.621**	0.198 J	22900	17.5	7.18	27.5	15200	**182**	2990	**456**	**0.623**	14.3	1140	2.25 J	0.199 J	298	0.265 J	19.8	125	0.296 U	7.96	165	0.296 U	UJ 1
121_B2_8.0	04531-007	05/09/11	8/8.5	1	Soil	mg/Kg		**8780**	0.365 U	11.7	**1410**	**0.552**	**1.52**	16700	78.6	5.83	52.6	21400	**4750**	2480	**739**	**0.608**	17.3	992	2.33 J	0.648 J	299	**4.15**	21.2	**1680**	0.318 U	7.64	176	0.318 U	UJ 1
121_B2_12.0	04531-009	05/09/11	12/12.5	1	Soil	mg/Kg		**13600**	0.879 U	6.32	67.7	**1.09**	0.439 U	5060	21.2	6.73 J	11.4	15700	19.5	4390	**182**	0.057	15.5	2430	3.52 U	0.439 U	1800	0.439 U	36.0	47.6	0.757 U	7.27	165	0.757 U	UJ 1
121_B5_1.0	04574-049	05/10/11	1/1.5	1	Soil	mg/Kg		**5300**	0.316 U	9.93	117	0.382	0.702	11100	21.2	6.62	237	19300	**387**	3160	**173**	**0.372**	23.8	668	2.16 J	0.158 U	335	0.217 J	17.9	**791**	0.294 U	9.07	250	~	
121_B5_3.5	04574-050	05/10/11	3.5/4	1	Soil	mg/Kg		~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	23.9	~	~	~	~	~	
121_B5_5.5	04574-051	05/10/11	5.5/6	1	Soil	mg/Kg		~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	21.1	~	~	~	~	~	
121_B5_7.5	04574-052	05/10/11	7.5/8	1	Soil	mg/Kg		**10500**	0.298 U	2.77	75.0	0.356	0.149 U	3260	13.6	5.96	16.3	18000	**86.5**	2590	**186**	**0.199**	10.8	936	1.56 J	0.149 U	231	0.149 U	21.5	599	0.289 U	7.80	-20	~	
121_B5_9.5	04574-053	05/10/11	9.5/10	1	Soil	mg/Kg		**18900**	0.315 U	3.42	70.2	0.252 U	0.158 U	1350	17.5	8.40	13.5	19900	11.4	2960	**278**	0.021	13.2	1200	1.26 U	0.158 U	143	0.158 U	33.4	39.7	0.282 U	7.68	-15	~	
REP051011-3	04574-054	05/10/11	~	1	Soil	mg/Kg		**17500**	0.316 U	2.40	69.9	0.253 U	0.158 U	1130	15.3	8.10	12.1	17000	18.2	3300	**172**	0.025	14.5	1160	1.27 U	0.158 U	157	0.158 U	36.4	36.9	0.285 U	7.57	-13	~	
121_B5_13.5	04574-056	05/10/11	13.5/14	1	Soil	mg/Kg		**9490**	0.307 U	2.45	40.7	0.373	0.154 U	1100	13.2	7.68	15.8	14000	13.9	3490	**401**	0.00637 J	12.4	1410	2.09 J	0.154 U	196	0.154 U	22.1	47.4	0.274 U	7.57	62.0	~	
121_B5_17.0	04574-058	05/10/11	17/17.5	1	Soil	mg/Kg		**5190**	0.280 U	2.16	26.3	0.365	0.140 U	1290	10.2	3.97	9.04	7690	12.5	2670	**91.2**	0.00672 U	7.41	1600	1.57 J	0.140 U	86.8 J	0.140 U	14.9	37.9	0.269 U	7.75	60.0	~	
121_B6_1.0	04630-010	05/11/11	1/1.5	1	Soil	mg/Kg		**12300**	0.315 U	5.17	115	**0.506**	0.324	8220	45.3	6.56	26.7	13700	**199**	3260	**186**	**0.152**	14.7	985	1.26 U	0.158 U	282	0.158 U	28.3	160	0.915 J	8.51	374	~	R 1 *
REP051111-1	04630-011	05/11/11	~	1	Soil	mg/Kg		**11500**	0.315 U	4.83	119	**0.546**	0.292 J	10400	39.4	6.03	26.2	15400	**159**	3200	**244**	**0.157**	13.9	853	1.26 U	0.158 U	298	0.158 U	25.6	173	0.829 J	8.82	314	~	R 1 *
121-B6_5.5	04630-013	05/11/11	5.5/6	1	Soil	mg/Kg		**13500**	0.309 U	3.15	48.4	**0.642**	0.154 U	2330	24.9	6.32	16.3	13600	53.8	3660	**253**	0.077	10.5	1320	1.23 U	0.154 U	218	0.154 U	30.4	101	0.286 U	8.19	185	~	R 1 *
121-B6_9.5	04630-015	05/11/11	9.5/10	1	Soil	mg/Kg		**14600**	0.349 U	2.30	157	**1.23**	0.175 U	59600	14.0	5.71	14.6	14700	10.2	3460	**585**	0.020	14.0	1030	1.40 U	0.175 U	653	0.175 U	18.6	71.9	0.310 U	7.62	-40	~	R 1
121-B6_13.5	04630-017	05/11/11	13.5/14	1	Soil	mg/Kg		**9750**	0.325 U	0.899	63.8	0.379	0.162 U	1300	14.0	4.52	7.21	11700	8.37	3530	**166**	0.012 J	10.9	1140	1.30 U	0.162 U	233	0.162 U	17.6	44.4	0.286 U	7.53	-92	~	R 1
121-B6_17.5	04630-019	05/11/11	17.5/18	1	Soil	mg/Kg		3850	0.339 U	0.719	15.4	0.271 U	0.170 U	929	6.35	2.01 J	5.64	4510	3.65	1440	**52.2**	0.00698 U	4.08	922	1.36 U	0.170 U	163	0.170 U	8.27	19.4	0.291 U	7.66	4.00	~	R 1
121-B7_1.0	04630-002	05/11/11	1/1.5	1	Soil	mg/Kg		**8340**	0.275 U	3.75	61.0	**0.645**	0.201 J	6660	16.5	7.20	14.9	11100	50.0	5300	**179**	0.011 J	11.7	1890	1.10 U	0.138 U	214	0.145 J	28.1	98.8	0.264 U	9.69	145	~	R 1 *
121-B7_5.5	04630-004	05/11/11	5.5/6	1	Soil	mg/Kg		**12000**	0.321 U	3.86	64.1	**0.725**	0.160 U	2040	20.0	7.08	16.5	15400	48.5	4270	**369**	0.054	12.4	1470	1.28 U	0.160 U	269	0.160 U	35.7	72.6	0.283 U	8.10	-40	~	R 1
121-B7_9.5	04630-006	05/11/11	9.5/10	1	Soil	mg/Kg		**11200**	0.300 U	4.16	59.2	**0.666**	0.150 U	1760	16.4	6.03	11.7	12900	22.8	3980	**218**	0.017	10.9	1590	1.20 U	0.150 U	215	0.150 U	30.2	95.8	0.278 U	7.87	-7	~	R 1
121-B7_13.0	04630-008	05/11/11	13/13.5	1	Soil	mg/Kg		**15800**	0.315 U	1.43	39.8	**0.571**	0.157 U	877	15.1	4.29	8.04	10400	8.03	2960	**74.3**	0.022	11.9	844	1.26 U	0.157 U	331	0.157 U	22.1	56.0	0.307 U	7.46	-12	~	R 1
121_B9_1.5	04574-021	05/10/11	1.5/2	1	Soil	mg/Kg		**13600**	0.288 U	5.07	80.4	0.327	0.144 U	3390	15.7	6.78	19.8	17000	**405**	2630	**394**	**0.296**	13.3	872	1.64 J	0.144 U	168	0.173 J	20.7	250	0.274 U	8.05	27.0	~	
121_B9_5.5	04574-023	05/10/11	5.5/6	1	Soil	mg/Kg		**7010**	0.356 U	12.9	182	0.285 U	0.250 J	11300	36.9	5.03	47.0	12900	**363**	2030	**310**	**0.576**	14.3	663	2.07 J	0.178 U	306	0.249 J	16.0	421	0.315 U	7.48	-124	~	
121_B9_9.5	04574-025	05/10/11	9.5/10	1	Soil	mg/Kg		**9670**	0.301 U	3.61	58.1	**0.733**	0.150 U	1490	15.1	6.45	11.1	11300	22.0	3470	**206**	0.00994 J	10.5	1190	2.12 J	0.150 U	195	0.150 U	28.7	141	0.274 U	8.05	-77	~	
121_B9_13.5	04574-027	05/10/11	13.5/14	1	Soil	mg/Kg		**6750**	0.298 U	2.84	21.2	0.238 U	0.149 U	1880	8.16	3.64	4.47	9880	10.7	1460	**114**	0.011 J	6.43	576	1.19 U	0.149 U	219	0.149 U	13.1	38.2	0.286 U	7.81	-46	~	
121_B9_17.0	04574-029	05/10/11	17/17.5	1	Soil	mg/Kg		**8230**	0.331 U	2.09	45.8	0.265 U	0.165 U	478	11.1	3.06	4.63	9780	6.02	1590	**54.0**	0.019	7.30	737	1.32 U	0.165 U	438	0.165 U	18.5	45.8	0.282 U	7.77	-21	~	
121_B10_1.0	04574-030	05/10/11	1/1.5	1	Soil	mg/Kg		**11300**	0.287 U	6.71	171	0.331	**1.85**	3250	39.3	7.15	73.9	18100	**286**	2860	**534**	**0.345**	18.3	1010	1.67 J	0.170 J	117	0.143 U	32.2	472	0.267 U	7.83	73.0	~	
REP051011-2	04574-031	05/10/11	~	1	Soil	mg/Kg		**10200**	0.273 U	6.79	177	0.384	**1.92**	3220	41.2	7.21	71.9	18100	245	2850	**514**	**0.274**	18.2	1160	1.64 J	0.173 J	104 J	0.136 U	33.1	461	0.262 U	7.85	74.0	~	
121_B10_5.5	04574-033	05/10/11	5.5/6	1	Soil	mg/Kg		**9340**	0.344 U	15.6	214	0.294 J	0.374	18400	19.5	6.97	48.2	15300	**576**	2510	**426**	**0.656**	15.6	816	4.14	0.214 J	524	0.438	20.5	597	0.297 U	7.47	44.0	~	
121_B10_9.5	04574-035	05/10/11	9.5/10	1	Soil	mg/Kg		**15300**	0.313 U	5.23	53.7	**0.502**	0.185 J	1510	19.6	7.18	14.9	15600	22.8	3780	**1760**	0.022	12.5	1100	1.94 J	0.156 U	244	0.156 U	30.9	**1030**	0.275 U	7.84	90.0	~	
121_B10_13.5	04574-037	05/10/11	13.5/14	1	Soil	mg/Kg		**14100**	0.363 U	5.39	51.1	0.407	0.181 U	1490	19.2	6.33	12.7	19300	37.7	3660	**160**	0.095	15.0	1880	1.63 J	0.181 U	675	0.181 U	28.0	54.3	0.338 U	6.96	128	~	
121_B10_17.0	04574-039	05/10/11	17/17.5	1	Soil	mg/Kg		**19100**	0.333 U	5.60	68.4	0.267 U	0.167 U	470	19.9	5.32	4.25	14100	8.95	1990	**92.1**	0.027	8.63	1070	1.66 J	0.167 U	796	0.167 U	35.4	64.7	0.287 U	5.12	186	~	
121_B11_1.0	04574-011	05/10/11	1/1.5	1	Soil	mg/Kg		**10400**	0.307 U	3.70	54.6	0.246 U	0.154 U	1250	13.7	5.90	12.4	14900	49.8	2320	**260**	**0.160**	11.4	779	1.23 U	0.154 U	121 J	0.154 U	20.2	162	0.279 U	7.70	15.0	~	
121_B11_5.5	04574-013	05/10/11	5.5/6	1	Soil	mg/Kg		**8860**	0.356 U	10.0	445	0.383	0.470	14900	18.0	5.98	34.5	16800	**1230**	2600	**838**	**0.558**	15.0	773	2.74 J	0.178 U	343	0.644	18.5	504	0.307 U	7.52	-110	~	
121_B11_9.5	04574-015	05/10/11	9.5/10	1	Soil	mg/Kg		**15400**	0.318 U	3.63	74.4	**0.516**	0.159 U	6260	16.8	6.54	11.9	13500	52.1	3240	**221**	**0.120**	11.8	1050	1.76 J	0.159 U	255	0.159 U	27.3	72.3	0.277 U	8.03	-34	~	
121_B11_13.5	04574-017	05/10/11	13.5/14	1	Soil	mg/Kg		**6000**	0.293 U	1.65	15.8	0.234 U	0.146 U	530	6.39	2.34 J	2.51	6500	2.70	1040	**46.2**	0.00958 J	4.89	452	1.17 U	0.146 U	230	0.146 U	10.3	13.5	0.284 U	8.16	-17	~	
121_B11_17.0	04574-019	05/10/11	17/17.5	1	Soil	mg/Kg		**9280**	0.291 U	2.56	53.1	0.232 U	0.145 U	403	12.6	3.55	4.42	10500	5.68	1640	**60.7**	0.020	7.19	723	1.29 J	0.145 U	545	0.145 U	20.6	44.1	0.286 U	8.31	-17	~	
REP-051011-1	04574-020	05/10/11	~	1	Soil	mg/Kg		**9710**	0.323 U	3.02	52.8	0.259 U	0.162 U	396	12.8	3.63	4.16	11800	5.91	1640	**62.8**	0.018	7.16	705	1.64 J	0.162 U	573	0.162 U	21.2	45.5	0.286 U	8.26	-6	~	
121_B12_1.0	04574-002	05/10/11	1/1.5	1	Soil	mg/Kg		**11300**	0.307 U	4.56	76.9	0.283 J	0.154 U	4890	14.7	5.98	16.5	14100	**109**	2660	**351**	**0.210**	11.5	1060	1.83 J	0.154 U	194	0.154 U	21.1	220	0.273 U	8.15	191	~	
121_B12_3.5	04574-003	05/10/11	3.5/4	1	Soil	mg/Kg		~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	17.5	~	~	~	~	~	
121_B12_5.5	04574-004	05/10/11	5.5/6	1	Soil	mg/Kg		**13300**	0.343 U	6.42	146	**0.717**	0.171 U	8390	15.6	7.89	25.9	21300	**62.6**	3150	**2440**	**0.197**	14.7	1010	1.79 J	0.171 U	194	0.171 U	22.3	**2040**	0.299 U	7.60	-75	~	
121_B12_9.5	04574-006	05/10/11	9.5/10	1	Soil	mg/Kg		**12200**	0.328 U	4.23	52.1	**0.544**	0.164 U	1440	16.0	6.92	8.98	12300	23.0	3260	**176**	0.026	11.9	1010	2.60 J	0.164 U	232	0.164 U	28.0	87.4	0.287 U	7.55	18.0	~	
121_B12_13.0	04574-008	05/10/11	13/13.5	1	Soil	mg/Kg		**4890**	0.339 U	1.26	14.9	0.271 U	0.169 U	604	6.54	2.76	3.28	6930	2.97	1120	**57.4**	0.00977 J	5.63	412	1.36 U	0.169 U	170	0.169 U	9.89	45.5	0.292 U	7.44	29.0	~	
121_B12_17.0	04574-010	05/10/11	17/17.5	1	Soil	mg/Kg		**19800**	0.333 U	1.60	183	0.491	0.167 U	621	20.1	6.63	6.25	11100	11.2	2090	39.5	0.012 J	9.57	1120	2.25 J	0.167 U	841	0.167 U	25.5	78.7	0.288 U	8.27	-54	~	
121_B13_1.0	04574-040	05/10/11	1/1.5	1	Soil	mg/Kg		**9000**	0.476 J	**25.3**	928	0.414	**4.57**	3550	265	8.68	366	34800	**1300**	2500	**445**	**0.826**	**46.1**	890	2.27 J	0.288 J	246	0.986	38.7	**1430**	0.903 J	7.31	226	~	
121_B13_5.5	04574-042	05/10/11	5.5/6	1	Soil	mg/Kg		**7550**	0.330 U	**22.0**	123	0.353	0.261 J	15900	29.4	9.78	54.9	24400	**240**	2990	**418**	**0.398**	**34.8**	795	2.91	0.165 U	323	0.363	20.9	440	0.300 U	7.53	229	~	
121_B13_8.5	04574-044	05/10/11	8.5/9	1	Soil	mg/Kg		**10300**	0.351 U	9.20	86.9	**0.545**	0.175 U	3180	20.0	7.07	22.0	15800	**80.2**	3670	**217**	**0.187**	13.2	1600	2.39 J	0.175 U	229	0.175 U	27.6	174	0.308 U	7.36	-50	~	
121_B13_12.5	04574-046	05/10/11	12.5/13	1	Soil	mg/Kg		**8460**	0.517 U	6.17	331	0.413 U	0.258 U	5660	19.2	5.25	72.6	15800	**592**	2040	**615**	**2.88**	12.1	883	2.24 J	0.372 J	588	0.258 U	16.6	**1380**	0.445 U	6.74	55.0	~	
121_B13_16.0	04574-048	05/10/11	16/16.5	1	Soil	mg/Kg		**14300**	0.406 U	2.25	80.7	**0.513**	0.203 U	1610	19.3	4.42	7.71	10600	23.3	2270	**73.7**	0.054	8.79	1260	2.29 J	0.203 U	884	0.203 U	18.1	90.2	0.350 U	7.49	0	~	
Chrome Site 207																																			
207-B1_1.0	04868-012	05/18/11	1/1.5	1	Soil	mg/Kg		3890	0.313 U	**20.4**	268	0.455	0.780	8740	170	6.06	77.0	18800	**755**	1560	184	**1.38**	15.2	602	2.57	0.251 J	298	0.587	16.0	283	0.298 U	9.07	-93	~	R 1
207-B1_5.5	04868-014	05/18/11	5.5/6	1	Soil	mg/Kg		**9940**	0.330 U	3.41	47.9	**0.649**	0.165 U	1640	16.5	6.46	22.3	11700	50.4	2730	251	0.087	11.4	1040	1.90 J	0.165 U	179	0.165 U	24.8	226	0.291 U	8.15	128	~	
207-B1_8.5	04868-016	05/18/11	8.5/9	1	Soil	mg/Kg		**12200**	0.313 U	6.42	105	**0.759**	0.391	3260	18.2	10.7	13.5	15900	20.7	5850	267	0.00997 J	18.4	2130	1.71 J	0.156 U	602	0.156 U	30.9	89.7	0.296 U	6.44	34.0	~	
207-B1_13.5	04868-017	05/18/11	13.5/14	1	Soil	mg/Kg		**17700**	0.381 U	2.62	43.0	**1.11**	0.191 U	2370	13.7	3.87	10.4	14800	10.5	2690	148	0.025	11.2	906	2.78 J	0.191 U	298	0.191 U	22.8	49.2	0.352 U	7.00	-25	~	
REP051811-2	04868-018	05/18/11	~	1	Soil	mg/Kg		**22400**	0.383 U	2.28	40.5	**1.07**	0.192 U	2430	13.3	3.43	11.8	12200	9.47	2570	131	0.026	11.0	912	3.30	0.192 U	309	0.192 U	19.4	47.2	0.351 U	6.87	-16	~	
207-B1_17.5	04868-020	05/18/11	17.5/18	1	Soil	mg/Kg		**8890**	0.302 U	11.0	31.6	**1.30**	0.151 U	2150	22.4	9.30	21.8	14400	24.6	4680	1240	0.00714 U	12.7	1560	2.83	0.151 U	257	0.151 U	37.0	74.0	0.272 U	6.33	14.0	~	
207_B2_1.0	04676-040	05/12/11	1/1.5	1	Soil	mg/Kg		**10300**	1.14 J	**28.4**	178	**0.555**	**1.18**	21400	270	34.5	204	25700	**417**	10500	**328**	**0.428**	**52.9**	832	1.74 J	0.267 J	721	1.29	53.6	**1110**	0.259 U	8.13	95.0	~	R 1
207_B2_5.5	04676-042	05/12/11	5.5/6	1	Soil	mg/Kg		**11900**	0.315 U	5.61	69.5	**0.704**	0.244 J	3300	18.7	7.34	16.7	16400	**68.1**	3870	**427**	0.098	15.7	1330	1.40 J	0.158 U	246	0.301 J	29.2	362	0.282 U	7.54	111	~	R 1
207_B2_9.5	04676-044	05/12/11	9.5/10	1	Soil	mg/Kg		**10100**	0.292 U	4.88	74.0	**0.905**	0.146 U	3070	19.7	8.52	9.25	16300	22.8	3510	**358**	0.028	12.9	1620	2.84	0.146 U	245	0.182 J	30.0	62.5	0.278 U	7.65	104	~	R 1
207_B2_13.0	04676-046	05/12/11	13/13.5	1	Soil	mg/Kg		**15300**	0.490 U	7.04	47.0	**0.802**	0.245 U	4900	19.3	5.11	12.5	21000	8.27	5070	**208**	0.041	14.6	2740	3.06 J	0.245 U	1450	0.245 U	29.3	49.6	0.438 U	6.57	124	~	R 1
207_B2_16.5	04676-048	05/12/11	16.5/17	1	Soil	mg/Kg		**14200**	0.295 U	6.43	46.3	**0.616**	0.147 U	918	25.8	6.45	19.6	14800	18.2	5880	**139**	0.012 J	14.4	2160	1.18 U	0.147 U	431	0.258 J	33.9	104	0.276 U	7.44	107	~	R 1
207_B3_1.0	04676-049	05/12/11	1/1.5	1	Soil	mg/Kg		**8540**	0.865 J	**28.9**	773	**0.557**	**6.96**	23500	266	14.9	278	38200	**999**	3010	**341**	**1.47**	**55.1**	1150	1.70 J	0.460 J	422	2.41	74.6	**1300**	0.292 U	10.5	47.0	~	R 1 *
207_B3_5.5	04676-051	05/12/11	5.5/6	1	Soil	mg/Kg		**11000**	0.311 U	4.19	55.9	**0.865**	0.156 U	2210	19.6	8.04	15.7	12900	44.9	4590	**309**	0.084	14.1	1480	2.02 J	0.156 U	238	0.238 J	32.7	95.1	0.276 U	7.79	108	~	R 1
207_B3_9.5	04676-053	05/12/11	9.5/10	1	Soil	mg/Kg		**15400**	0.323 U	4.31	68.6	**0.780**	0.162 U	2400	19.1	6.98	9.74	15300	55.5	3910	**311**	**0.620**	12.6	1440	1.29 U	0.162 U	226	0.256 J	31.4	74.9	0.288 U	7.64	98.0	~	R 1
207_B3_13.0	04676-055	05/12/11	13/13.5	1	Soil	mg/Kg		**11900**	0.295 U	5.45	53.6	**0.899**	0.148 U	3070	20.2	6.97	15.6	17800	29.3	4310	**572**	0.055	12.8	1510	2.15 J	0.148 U	318	0.236 J	32.6	117	0.283 U	8.18	98.0	~	R 1
REP051211-3	04676-056	05/12/11	~	1	Soil	mg/Kg		**13700**	0.329 U	6.26	67.6	**0.903**	0.165 U	3710	20.2	7.36	15.3	21400	39.4	4390	**586**	0.053	13.7	1480	1.42 J	0.165 U	370	0.255 J	34.2	145	0.280 U	8.22	97.0	~	R 1
207_B3_16.5	04676-058	05/12/11	16.5/17	1	Soil	mg/Kg		**16000**	0.311 U	1.72	63.8	**0.516**	0.156 U	760	22.0	3.76	7.38	10500	12.2	2160	**47.9**	0.011 J	9.26	1700	1.99 J	0.156 U	451	0.156 U	34.5	50.6	0.291 U	7.59	100	~	R 1

Table 3
Soil Analytical Results Summary
Former Morris Canal - Remedial Investigation
Jersey City, Hudson County, New Jersey

Sample ID	Laboratory Sample ID	Sampling Date	Sampling Depth (feet)	Dilution Factor	Matrix	Unit		Aluminum	**Antimony**	Arsenic	Barium	Beryllium	Cadmium	Calcium	Chromium	Cobalt	Copper	Iron	Lead	Magnesium	Manganese	Mercury	**Nickel**	Potassium	Selenium	Silver	Sodium	**Thallium**	**Vanadium**	Zinc	Hexavalent Chromium	pH/Corrosivity	Oxidation-Reduction Potential (Redox)	Chromium Rerun Samples*	DataVal.Flags Cr+6
							RDCSRS	78000	31	19	16000	16	78	NC	NC	1600	3100	NC	400	NC	11000	23	1600	NC	390	390	NC	5	78	23000	240	NC	NC	240	
							NRDCSRS	NA	450	19	59000	140	78	NC	NC	590	45000	NC	800	NC	5900	65	23000	NC	5700	5700	NC	79	1100	110000	20	NC	NC	20	
							IGWSSL	3900	6	19	1300	0.5	1	NC	NC	59	7300	NC	59	NC	42	0.1	31	NC	7	1	NC	3	NA	600	NC	NC	NC	NC	
207_B4_1.0	04676-031	05/12/11	1/1.5	1	Soil	mg/Kg		**10200**	0.359 J	16.3	211	0.263 J	**1.13**	7050	71.3	9.83	86.8	59300	**441**	3150	**427**	**0.457**	**35.8**	440	1.14 U	0.151 J	480	1.14	63.9	348	0.253 U	7.82	53.0	~	R 1
207_B4_5.5	04676-033	05/12/11	5.5/6	1	Soil	mg/Kg		**6880**	0.302 U	10.8	335	0.306	**3.22**	16000	55.2	4.43	19.0	57400	**2340**	1730	**1990**	**1.43**	10.9	545	1.21 U	0.151 U	449	**6.11**	44.8	**1120**	0.280 U	7.37	82.0	~	R 1
207_B4_9.5	04676-035	05/12/11	9.5/10	1	Soil	mg/Kg		**16500**	0.355 U	3.83	98.7	**0.614**	0.177 U	13900	19.6	6.62	15.3	16500	**88.7**	2940	**325**	**0.290**	12.2	1180	1.42 U	0.177 U	289	0.370	29.6	113	0.302 U	7.41	30.0	~	R 1
207_B4_13.0	04676-037	05/12/11	13/13.5	1	Soil	mg/Kg		**11500**	0.303 U	6.58	55.4	**1.11**	0.290 J	3620	23.8	10.0	13.9	19500	36.6	6060	**723**	0.022	16.8	2410	3.38	0.151 U	459	0.272 J	44.9	397	0.268 U	7.93	103	~	R 1
207_B4_16.5	04676-039	05/12/11	16.5/17	1	Soil	mg/Kg		**6640**	0.302 U	1.00	70.6	**0.546**	0.151 U	202	7.25	2.55	3.03	6400	20.0	838	21.3	0.00701 U	3.52	377	1.21 U	0.151 U	229	0.260 J	14.3	19.4	0.283 U	7.14	115	~	R 1
207_B5_1.0	04676-021	05/12/11	1/1.5	1	Soil	mg/Kg		**9880**	0.318 U	11.4	215	**1.09**	0.624	3720	124	8.12	89.8	22700	**267**	3550	**442**	**0.419**	22.5	1090	1.58 J	0.245 J	305	0.829	27.1	400	0.282 U	7.49	552	~	R 1 *
REP051211-2	04676-022	05/12/11	~	1	Soil	mg/Kg		**10700**	0.301 U	10.3	114	**0.663**	0.620	2310	127	8.32	97.5	24100	**253**	3780	**713**	**0.371**	25.3	1370	2.04 J	0.228 J	257	0.776	26.6	372	0.276 U	7.36	400	~	R 1 *
207_B5_5.5	04676-024	05/12/11	5.5/6	1	Soil	mg/Kg		**7580**	0.295 U	9.16	126	**0.654**	0.720	12600	15.2	4.21	20.8	11200	**446**	2520	**199**	**0.465**	9.24	784	1.31 J	0.147 U	309	1.45	19.5	313	0.276 U	7.87	317	~	R 1 *
207_B5_9.5	04676-026	05/12/11	9.5/10	1	Soil	mg/Kg		**8950**	0.323 U	6.40	79.0	**0.556**	**4.47**	3190	23.0	5.59	20.6	11900	**2950**	1880	**611**	**0.403**	11.7	863	1.29 U	0.161 U	293	**8.23**	22.3	**4040**	0.308 U	7.21	15.0	~	R 1
207_B5_13.0	04676-028	05/12/11	13/13.5	1	Soil	mg/Kg		**7120**	0.626 J	4.52	68.2	**0.649**	0.914	4490	9.81	4.44	12.6	17400	**95.3**	1860	**1810**	**0.202**	9.73	890	1.32 U	0.165 U	379	0.304 J	15.7	**3370**	0.300 U	7.87	49.0	~	R 1
207_B5_16.5	04676-030	05/12/11	16.5/17	1	Soil	mg/Kg		**10700**	0.323 U	2.67	72.8	**0.644**	0.162 U	927	16.0	5.57	12.0	9530	11.9	2040	**47.8**	0.015	10.2	1180	1.88 J	0.162 U	407	0.162 U	22.9	45.1	0.282 U	7.82	53.0	~	R 1
207_B6_1.0	04531-019	05/09/11	1/1.5	1	Soil	mg/Kg		**9080**	0.317 U	12.1	124	**0.687**	0.401	3840	47.4	6.63	52.9	14000	**690**	2250	**499**	**0.677**	14.0	771	2.00 J	0.208 J	404	0.928	28.7	227	0.275 U	8.02	84.0	0.275 U	UJ 1
207_B6_4.0	04531-021	05/09/11	6/6.5	1	Soil	mg/Kg		**9920**	0.310 U	4.05	84.1	**0.924**	0.254 J	1680	16.9	7.69	15.8	17000	**69.9**	2950	**1840**	0.080	14.2	1170	1.71 J	0.155 U	376	0.204 J	27.8	**1570**	0.282 U	8.16	86.0	0.282 U	UJ 1
207_B6_8.0	04531-023	05/09/11	8/8.5	1	Soil	mg/Kg		**11900**	0.329 U	5.14	89.9	**0.926**	0.959	3890	21.5	8.30	21.7	18800	**65.9**	3840	**443**	**0.282**	16.2	1550	2.35 J	0.165 U	334	0.210 J	31.6	405	0.304 U	7.39	-18	0.304 U	UJ 1
207_B6_10.0	04531-024	05/09/11	10/10.5	1	Soil	mg/Kg		~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	0.160 U	~	~	~	~	~	~	UJ 1
207_B6_12.0	04531-025	05/09/11	12/12.5	1	Soil	mg/Kg		**17600**	0.454 U	3.95	103	**1.24**	0.227 U	5940	21.4	6.88	16.5	18500	15.6	3960	**318**	0.060	17.1	1360	2.98 J	0.227 U	409	0.227 U	30.5	78.1	0.407 U	7.29	35.0	0.407 U	UJ 1
REP050911-1	04531-026	05/09/11	~	1	Soil	mg/Kg		**16200**	0.482 U	3.39	105	**1.38**	0.241 U	5310	19.9	5.95	14.8	15400	14.6	3630	**269**	0.033	15.7	1170	2.49 J	0.241 U	368	0.241 U	27.3	72.2	0.412 U	7.32	56.0	0.412 U	UJ 1
207_B8_1.0	04531-028	05/09/11	1/1.5	1	Soil	mg/Kg		**4610**	0.296 U	4.95	222	0.311	0.955	2990	60.6	4.02	32.4	9910	**144**	1190	**153**	**0.280**	14.4	432	1.18 U	0.154 J	110 J	0.268 J	34.9	270	0.275 U	7.44	56.0	0.275 U	UJ 1
207_B8_6.0	04531-031	05/09/11	6/6.5	1	Soil	mg/Kg		**8000**	0.287 U	2.82	60.0	**0.891**	0.144 U	1990	15.1	6.53	13.5	10800	**113**	3290	**472**	0.034	12.7	1050	1.91 J	0.144 U	137	0.234 J	23.6	59.3	0.271 U	8.26	59.0	0.271 U	UJ 1
207_B8_9.0	04531-032	05/09/11	9/9.5	1	Soil	mg/Kg		**9500**	0.400 U	3.60	297	**0.937**	0.595	4460	24.2	8.68	53.4	10500	**363**	1070	**443**	**0.234**	21.2	1390	1.95 J	0.203 J	810	0.649	35.1	549	0.346 U	7.4	30.0	0.346 U	UJ 1
207_B8_12.0	04531-034	05/09/11	12/12.5	1	Soil	mg/Kg		**4570**	0.293 U	1.48	21.3	0.243 J	0.146 U	560	7.24	3.07	4.77	7290	3.75	1140	**67.2**	0.00702 U	6.19	559	1.17 U	0.146 U	161	0.146 U	11.2	19.5	0.281 U	8.25	13.0	0.281 U	UJ 1
207_B9_1.0	04531-036	05/09/11	1/1.5	1	Soil	mg/Kg		**8250**	0.504 J	18.7	1020	**0.586**	**5.92**	8630	657	12.2	309	24600	**1580**	2810	**510**	**1.17**	**56.6**	742	2.58 J	**1.46**	279	1.85	**119**	**1660**	0.352 U	6.95	78.0	0.352 U	UJ 1
REP050911-2	04531-037	05/09/11	~	1	Soil	mg/Kg		**7280**	0.713 J	**19.0**	890	**0.586**	**5.67**	7470	513	12.1	606	52000	**2230**	2460	**490**	**1.16**	**49.8**	675	2.11 J	**1.10**	263	2.85	**141**	**1710**	0.349 U	6.85	90.0	0.349 U	UJ 1
207_B9_4.0	04531-039	05/09/11	4/4.5	1	Soil	mg/Kg		**16200**	0.293 U	6.83	85.0	**0.820**	0.302	1970	22.9	7.84	61.9	17100	**85.5**	2780	**320**	**0.538**	12.4	1150	2.00 J	0.146 U	212	0.268 J	35.6	257	0.280 U	7.44	83.0	0.280 U	UJ 1
207_B9_8.0	04531-041	05/09/11	8/8.5	1	Soil	mg/Kg		**8880**	0.313 U	4.14	98.9	**0.533**	0.210 J	28100	21.1	5.39	14.8	21200	**261**	3800	**1430**	**0.231**	11.0	767	1.36 J	0.156 U	232	0.399	22.6	150	0.277 U	8.28	78.0	0.277 U	R 2
207_B9_12.0	04531-043	05/09/11	12/12.5	1	Soil	mg/Kg		**4790**	0.293 U	1.61	25.4	0.245 J	0.146 U	530	6.63	3.01	3.89	7310	4.22	1090	**57.8**	0.017	6.05	467	1.17 U	0.146 U	153	0.146 U	9.78	23.2	0.281 U	8.15	71.0	0.281 U	R 2
207_B9_14.5	04531-044	05/09/11	14.5/15	1	Soil	mg/Kg		**18300**	0.484 U	9.29	65.3	**1.20**	0.242 U	2090	38.5	13.0	12.3	33600	16.1	6910	**543**	0.029	28.7	3960	2.43 J	0.242 U	1810	0.242 U	44.6	85.1	0.437 U	7.94	35.0	0.437 U	R 2
207-B16_1.5	04630-063	05/11/11	1.5/2	1	Soil	mg/Kg		**13800**	0.580 J	11.3	286	0.448	**2.46**	24600	202	12.5	232	48000	**966**	14200	**1100**	**0.575**	**52.9**	1010	1.44 J	0.987	798	0.171 U	**103**	573	0.297 U	7.50	-14	~	R 1
207-B16_5.5	04630-065	05/11/11	5.5/6	1	Soil	mg/Kg		**8680**	0.335 U	**34.0**	208	0.426	0.591	3980	28.5	6.31	46.0	15000	**366**	3040	**465**	**0.432**	13.9	1210	1.34 U	0.189 J	286	0.172 J	23.1	422	0.307 U	7.40	-8	~	R 1
207-B16_9.5	04630-067	05/11/11	9.5/10	1	Soil	mg/Kg		**12000**	0.394 U	18.6	443	**0.539**	0.814	5340	361	8.20	80.2	19300	**1030**	2160	**313**	**1.99**	22.3	1550	2.58 J	0.513 J	780	0.395	24.4	557	0.353 U	7.23	16.0	~	R 1
207-B16_13.5	04630-069	05/11/11	13.5/14	1	Soil	mg/Kg		**17500**	0.538 U	16.7	69.4	0.481 J	0.269 U	2330	38.0	8.25	25.6	27200	28.7	7470	**251**	0.063	22.1	3950	2.15 U	0.269 U	1580	0.269 U	53.2	75.4	0.488 U	7.63	3.00	~	R 1
207-B16_17.5	04630-071	05/11/11	17.5/18	1	Soil	mg/Kg		**13400**	0.340 U	6.45	87.3	0.272 U	0.170 U	681	16.2	3.68	4.36	10600	7.13	1850	36.8	0.027	7.38	1180	1.36 U	0.170 U	449	0.170 U	25.8	57.3	0.294 U	8.06	-101	~	R 1
207-B17_1.0	04630-052	05/11/11	1/1.5	1	Soil	mg/Kg		**11600**	0.558 J	12.3	187	0.464	**1.63**	26700	228	11.9	109	21400	**322**	13000	**474**	**0.548**	**36.2**	1080	1.68 J	1.66	960	0.180 J	59.6	562	0.281 U	7.60	64.0	~	R 1
REP051111-4	04630-053	05/11/11	~	1	Soil	mg/Kg		**10300**	0.443 J	11.9	185	0.457	**1.53**	17500	208	11.0	103	20600	**302**	8090	**407**	**0.553**	**35.1**	1010	1.55 J	0.340 J	681	0.181 J	55.7	538	0.281 U	7.65	70.0	~	R 1
207-B17_5.5	04630-055	05/11/11	5.5/6	1	Soil	mg/Kg		**11500**	0.320 U	5.30	77.3	0.430	0.351	1800	49.4	6.88	22.9	16300	**62.6**	3390	**613**	**0.100**	14.3	1180	1.28 U	0.160 U	279	0.160 U	28.9	344	0.293 U	7.79	-77	~	R 1
207-B17_9.5	04630-057	05/11/11	9.5/10	1	Soil	mg/Kg		**9790**	0.639 J	**32.7**	991	**0.541**	**1.94**	10900	17500	7.47	122	25600	**1910**	2460	**908**	**1.70**	**34.8**	976	4.96	**1.14**	874	0.724	1.02 U	**10600**	0.457 U	7.40	-30	~	R 1
207-B17_13.5	04630-059	05/11/11	13.5/14	1	Soil	mg/Kg		**24200**	0.476 U	9.68	118	**0.869**	**4.88**	2630	40.3	12.1	32.6	31500	**104**	7710	**520**	**0.381**	25.8	3510	1.90 U	0.238 U	833	0.279 J	54.6	1590	0.406 U	7.00	-28	~	R 1
207-B17_17.5	04630-061	05/11/11	17.5/18	1	Soil	mg/Kg		**14400**	0.327 U	3.30	115	0.437	0.164 U	1030	21.4	4.05	4.09	13600	12.5	2750	**115**	0.018	9.89	1090	1.31 U	0.164 U	364	0.164 U	27.7	76.3	0.296 U	7.53	-9	~	R 1
207_B18_1.0	04676-002	05/12/11	1/1.5	1	Soil	mg/Kg		**14500**	0.946 J	**26.0**	390	**1.69**	**1.92**	8340	212	16.9	134	29000	**478**	3440	**467**	**1.35**	**49.4**	1030	**11.2**	0.385 J	1070	1.52	**123**	**874**	0.346 U	6.54	206	~	R 1
REP051211-1	04676-003	05/12/11	~	1	Soil	mg/Kg		**14000**	0.509 J	16.6	314	**2.45**	**1.72**	8420	165	14.8	102	21200	**396**	2980	**319**	**1.30**	**44.7**	1030	6.84	0.309 J	1060	1.17	87.2	557	0.339 U	6.42	209	~	R 1
207_B18_5.5	04676-005	05/12/11	5.5/6	1	Soil	mg/Kg		**10600**	0.311 U	4.13	74.6	**0.866**	0.156 U	1800	17.2	6.38	14.3	11800	55.6	3320	**227**	**0.296**	11.8	1220	2.04 J	0.156 U	189	0.267 J	26.7	77.7	0.280 U	7.09	5.00	~	R 1
207_B18_9.5	04676-007	05/12/11	9.5/10	1	Soil	mg/Kg		**10800**	0.385 U	15.9	221	**0.708**	**1.25**	5570	1410	7.92	52.0	18600	**555**	2400	**393**	**1.56**	17.7	961	1.58 J	0.216 J	416	1.88	30.4	**650**	0.335 U	7.27	-28	~	R 1
207_B18_13.0	04676-009	05/12/11	13/13.5	1	Soil	mg/Kg		**28200**	0.484 U	11.2	104	**1.40**	0.242 U	3470	46.2	11.3	25.5	31900	**69.4**	7500	**350**	**0.158**	28.8	3760	2.79 J	0.242 U	932	0.464 J	57.4	131	0.430 U	7.35	3.00	~	R 1
207_B18_16.5	04676-011	05/12/11	16.5/17	1	Soil	mg/Kg		2400	0.331 U	0.704	181	**1.03**	0.165 U	180	3.02	0.662 U	0.662 U	2120	16.1	284	9.12	0.037	1.24 J	147	1.32 U	0.165 U	60.2 J	0.294 J	3.85	8.56	0.303 U	7.70	-15	~	R 1
207_B19_1.0	04676-012	05/12/11	1/1.5	1	Soil	mg/Kg		**10400**	0.509 J	6.85	209	**0.647**	**3.01**	26100	112	6.84	137	20400	**299**	5520	**384**	**0.376**	30.8	935	2.15 J	0.415 J	830	1.06	44.1	579	0.304 U	7.73	18.0	~	R 1
207_B19_5.5	04676-014	05/12/11	5.5/6	1	Soil	mg/Kg		**18100**	0.316 U	4.71	80.4	**0.884**	0.158 U	2030	22.8	7.81	17.2	17400	**108**	3050	**489**	**0.118**	14.3	1240	2.32 J	0.158 U	237	0.486	32.1	102	0.292 U	7.31	-96	~	R 1
207_B19_9.5	04676-016	05/12/11	9.5/10	1	Soil	mg/Kg		**10300**	0.378 U	15.0	170	**0.704**	**4.69**	3370	73.4	7.71	88.6	23600	**397**	2000	**675**	**1.64**	16.9	1200	2.61 J	0.214 J	443	1.24	38.9	**13800**	0.324 U	7.18	-58	~	R 1
207_B19_13.0	04676-018	05/12/11	13/13.5	1	Soil	mg/Kg		**30700**	0.453 U	6.49	77.1	**0.751**	0.226 U	2480	38.1	7.64	15.9	21300	28.5	6830	**245**	0.082	22.6	3690	1.81 U	0.226 U	911	0.434 J	57.0	150	0.430 U	7.52	-93	~	R 1
207_B19_16.5	04676-020	05/12/11	16.5/17	1	Soil	mg/Kg		**19300**	0.328 U	2.55	128	**0.566**	0.164 U	1010	23.4	7.55	6.07	15000	11.3	2990	**176**	0.035	11.7	1210	1.73 J	0.164 U	612	0.252 J	31.6	126	0.315 U	7.32	-54	~	R 1
Property No. 3																																			
P3-B1_3.5	04630-032	05/11/11	3.5/4	1	Soil	mg/Kg		**10500**	0.344 U	**120**	223	0.338 J	**1.35**	6880	172	6.27	55.3	14700	**699**	2620	**454**	**1.08**	21.3	1140	2.14 J	0.364 J	310	0.269 J	40.7	565	0.301 U	7.52	18.0	~	R 1
P3-B1_5.5	04630-033	05/11/11	5.5/6	1	Soil	mg/Kg		**10800**	0.361 U	10.8	99.8	0.320 J	0.377	6500	15.9	5.55	68.5	15500	**208**	2820	**494**	**0.909**	15.0	1140	1.45 U	0.220 J	238	0.181 U	20.4	350	0.320 U	7.42	-17	~	R 1
P3-B1_9.5	04630-035	05/11/11	9.5/10	1	Soil	mg/Kg		**9650**	0.283 U	3.00	42.1	0.419	0.142 U	1070	16.5	6.35	9.76	12800	19.0	4010	**180**	0.029	10.9	1330	1.13 U	0.142 U	169	0.142 U	28.9	45.3	0.280 U	7.39	-86	~	R 1
P3-B1_13.5	04630-037	05/11/11	13.5/14	1	Soil	mg/Kg		**15200**	0.348 U	3.56	83.3	**0.629**	0.174 U	1400	15.4	5.75	5.36	12700	9.33	2500	**289**	0.021	10.4	943	1.39 U	0.174 U	207	0.174 U	26.0	39.2	0.310 U	7.05	-80	~	R 1
P3-B1_17.5	04630-039	05/11/11	17.5/18	1	Soil	mg/Kg		**5930**	0.290 U	0.676	22.5	0.232 U	0.145 U	856	7.00	2.63	5.70	6890	3.06	1740	**90.7**	0.00696 U	6.25	782	1.16 U	0.145 U	71.6 J	0.145 U	10.2	19.2	0.278 U	8.58	164	~	R 1 *
984 Garfield Avenue - Property No. 6																																			
P6-B1_1.0	04630-020	05/11/11	1/1.5	1	Soil	mg/Kg		**9220**	0.306 U	7.65	247	0.416	0.652	8200	59.8	5.37	105	14600	**183**	2540	**276**	**0.308**	29.6	565	1.22 U	0.169 J	393	0.153 U	31.8	436	2.33	8.02	39.0	~	R 1
P6-B1_5.5	04630-022	05/11/11	5.5/6	1	Soil	mg/Kg		**8520**	0.323 U	10.6	120	0.464	0.178 J	6620	14.1	5.69	62.5	15000	**429**	2970	**185**	**0.715**	10.1	1010	1.29 U	0.162 U	289	0.162 U	23.8	329	0.296 U	7.94	-50	~	R 1
REP051111-2	04630-023	05/11/11	~	1	Soil	mg/Kg		**8640**	0.328 U	9.67	109	**0.559**	0.183 J	5650	15.3	6.70	70.3	16500	**239**	3120	**196**	**0.715**	11.0	1130	1.31 U	0.164 U	279	0.164 U	26.0	285	0.299 U	7.94	-58	~	R 1
P6-B1_9.5	04630-025	05/11/11	9.5/10	1	Soil	mg/Kg		**12900**	0.319 U	6.55	46.1	**0.769**	0.160 U	1160	20.7	7.27	11.4	20200	14.6	3270	**240**	0.019	11.6	1300	1.28 U	0.160 U	175	0.160 U	33.9	38.0	0.294 U	7.69	-106	~	R 1
P6-B1_13.0	04630-027	05/11/11	13/13.5	1	Soil	mg/Kg		**14000**	0.333 U	0.917	26.4	0.424	0.166 U	1240	19.0	5.56	8.79	13600	18.1	5850	**178**	0.00783 J	12.3	1790	1.33 U	0.166 U	241	0.166 U	22.5	87.0	0.293 U	7.66	-51	~	R 1
P6-B1_17.5	04630-029	05/11/11	17.5/18	1	Soil	mg/Kg		**11500**	0.302 U	3.77	41.7	**0.887**	0.151 U	2760	22.0	5.26	14.2	14200	19.0	8710	**176**	0.00699 U	12.2	3770	1.21 U	0.151 U	327	0.175 J	34.4	87.2	0.271 U	7.58	-7	~	R 1
1000 Garfield Avenue - Property No. 8																																			
P8-B5_1.0	04630-041	05/11/11	1/1.5	1	Soil	mg/Kg		**5310**	0.375 J	8.38	221	**0.529**	**4.10**	6440	47.4	5.46	95.1	19500	**898**	2050	**261**	**1.66**	16.7	374	0.813	0.271 J	217	0.130	21.7	**4020**	0.268 U	8.18	172	~	R 1
REP051111-3	04630-042	05/11/11	~	1	Soil	mg/Kg		**5320**	0.471 J	7.83	248	0.462	**4.65**	6760	47.1	6.20	106	19800	**703**	1890	**234**	**1.05**	17.4	375	0.882	0.301 J	215	0.120	20.4	**3420**	0.269 U	8.10	194	~	R 1 *
P8-B5_5.5	04630-044	05/11/11	5.5/6	1	Soil	mg/Kg		**12100**	0.336 U	3.19	85.8	0.396	0.168 U	5810	15.3	6.76	14.1	17800	15.9	3260	**247**	0.060	13.0	1100	1.34 U	0.168 U	222	0.168 U	23.7	43.8	0.296 U	7.47	132	~	R 1
P8-B5_9.5	04630-046	05/11/11	9.5/10	1	Soil	mg/Kg		**12000**	0.325 U	3.62	45.9	**0.509**	0.163 U	1150	18.0	6.65	10.6	14600	14.8	4170	**436**	0.013 J	12.4	1240	1.30 U	0.163 U	243	0.163 U	30.7	43.0	0.281 U	7.37	-35	~	R 1
P8-B5_13.5	04630-048	05/11/11	13.5/14	1	Soil	mg/Kg		**10700**	0.309 U	1.26	23.0	0.472	0.154 U	1250	23.9	5.94	8.59	14600	19.7	7300	**176**	0.00898 J	14.1	1830	1.23 U	0.154 U	305	0.154 U	29.6	71.0	0.280 U	7.57	-32	~	R 1
P8-B5_17.5	04630-050	05/11/11	17.5/18.0	1	Soil	mg/Kg		**9670**	0.306 U	1.78	28.3	**0.549**	0.153 U	1910	18.5	4.71	8.19	10700	19.2	5280	**131**	0.00659 U	10.3	2480	1.22 U	0.153 U	303	0.153 U	21.8	66.8	0.268 U	7.78	-26	~	R 1

Table 3
Soil Analytical Results Summary
Former Morris Canal - Remedial Investigation
Jersey City, Hudson County, New Jersey

Sample ID	Laboratory Sample ID	Sampling Date	Sampling Depth (feet)	Dilution Factor	Matrix	Unit		Aluminum	**Antimony**	Arsenic	Barium	Beryllium	Cadmium	Calcium	Chromium	Cobalt	Copper	Iron	Lead	Magnesium	Manganese	Mercury	**Nickel**	Potassium	Selenium	Silver	Sodium	**Thallium**	**Vanadium**	Zinc	Hexavalent Chromium	pH/Corrosivity	Oxidation-Reduction Potential (Redox)	Chromium Rerun Samples*	DataVal.Flags Cr+6
							RDCSRS	78000	31	19	16000	16	78	NC	NC	1600	3100	NC	400	NC	11000	23	1600	NC	390	390	NC	5	78	23000	240	NC	NC	240	
							NRDCSRS	NA	450	19	59000	140	78	NC	NC	590	45000	NC	800	NC	5900	65	23000	NC	5700	5700	NC	79	1100	110000	20	NC	NC	20	
							IGWSSL	3900	6	19	1300	0.5	1	NC	NC	59	7300	NC	59	NC	42	0.1	31	NC	7	1	NC	3	NA	600	NC	NC	NC	NC	
MORRIS CANAL																																			
MC-001ZA_2.5	04821-002	05/17/11	2.5/3	1	Soil	mg/Kg		~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	76.7	~	~	~	~	~	
MC-001ZA_5.0	04821-003	05/17/11	5/5.5	1	Soil	mg/Kg		~	0.332 U	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	0.166 U	30.4	~	0.289 U	~	~	~	R 1
MC-002Z_7.5	04821-004	05/17/11	7.5/8	1	Soil	mg/Kg		~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	0.286 U	~	~	~	R 1
MC-002Z_4.5	04821-008	05/17/11	4.5/5	1	Soil	mg/Kg		~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	26.0	~	0.286 U	~	~	~	R 1
MC-002Z_8.0	04821-009	05/17/11	8/8.5	1	Soil	mg/Kg		~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	0.297 U	~	~	~	R 1
REP051711	04821-026	05/17/11	~	1	Soil	mg/Kg		~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	0.308 U	~	~	~	R 1
MC-003Z_7.5	04821-012	05/17/11	7.5/8	1	Soil	mg/Kg		~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	0.292 U	~	~	~	R 1
MC-003Z_8.5	04821-013	05/17/11	8.5/9	1	Soil	mg/Kg		~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	0.287 U	~	~	~	R 1
MC-004V_1.0	04784-003	05/16/11	1/1.5	1	Soil	mg/Kg		~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	25.8	~	~	~	~	~	
MC-004XW_3.0	04784-004	05/16/11	3/3.5	1	Soil	mg/Kg		~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	0.610 J	~	~	~	
MC-004XW_6.5	04784-005	05/16/11	6.5/7	1	Soil	mg/Kg		~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	0.294 U	~	~	~	
MC-004XW_9.0	04784-006	05/16/11	9/9.5	1	Soil	mg/Kg		~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	0.292 U	~	~	~	
MC-004Z_3.5	04821-016	05/17/11	3.5/4	1	Soil	mg/Kg		~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	29.2	~	~	~	~	~	R 1
MC-004Z_7.0	04821-017	05/17/11	7/7.5	1	Soil	mg/Kg		~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	0.282 U	~	~	~	R 1
MC-004Z_8.0	04821-018	05/17/11	8/8.5	1	Soil	mg/Kg		~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	34.7	~	0.293 U	~	~	~	
MC-006X_1.5	04868-002	05/18/11	1.5/2	1	Soil	mg/Kg		~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	19.9	~	3.20	~	~	~	
MC-006X_3.5	04868-003	05/18/11	3.5/4	1	Soil	mg/Kg		**57700**	*47.1 U*	*47.1 U*	471 U	*37.6 U*	*23.5 U*	310000	30200	**170 J**	94.1 U	63800	27.8 J	42400	1660	0.012 U	**841**	2350 U	*188 U*	*23.5 U*	4710 U	*23.5 U*	**361 J**	376 U	**4820**	12.4	-12	~	
MC-006X_7.5	04868-005	05/18/11	7.5/8	1	Soil	mg/Kg		**35100**	*47.6 U*	*47.6 U*	476 U	*38.1 U*	*23.8 U*	364000	31600	**138 J**	95.2 U	59300	32.6 J	46600	1460	0.011 U	**765**	2380 U	*190 U*	*23.8 U*	4760 U	*23.8 U*	**383**	381 U	**5400**	12.3	-22	~	
MC-006X_11.5	04868-008	05/18/11	11.5/12	1	Soil	mg/Kg		**31800**	*47.9 U*	*47.9 U*	479 U	*38.3 U*	*24.0 U*	312000	29300	**128 J**	95.9 U	56000	46.2 J	42100	1350	0.084	**669**	2400 U	*192 U*	*24.0 U*	4790 U	*24.0 U*	**329 J**	383 U	**3250**	12.3	-30	~	
REP051811-1	04868-006	05/18/11	~	1	Soil	mg/Kg		**28900**	*42.1 U*	*42.1 U*	421 U	*33.7 U*	*21.0 U*	283000	26300	**116 J**	84.2 U	49300	28.5 J	38000	1200	0.00925 U	**632**	2100 U	*168 U*	*21.0 U*	4210 U	*21.0 U*	**274 J**	337 U	**4190**	12.3	-35	~	
MC-006X_13.5	04868-009	05/18/11	13.5/14	1	Soil	mg/Kg		**21400**	0.814 J	**24.0**	123	**1.15**	**2.77**	8780	1280	21.7	110	56700	**308**	6600	384	**2.70**	**59.5**	2120	3.90	0.346 J	1830	0.355 J	56.1	1330	0.435 U	9.09	-350	~	
MC-006X_17.5	04868-011	05/18/11	17.5/18	1	Soil	mg/Kg		**9180**	0.325 U	4.58	59.9	0.452	0.163 U	1750	18.1	5.03	12.6	9450	8.93	2990	103	0.011 J	12.1	1300	1.94 J	0.163 U	214	0.163 U	19.8	58.4	0.280 U	8.73	-80	~	
MC-006Z_3.5	04821-022	05/17/11	3.5/4	1	Soil	mg/Kg		~	0.307 U	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	0.200 J	22.2	~	9.58	~	~	~	R 1
MC-006Z_7.0	04821-023	05/17/11	7/7.5	1	Soil	mg/Kg		~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	0.296 U	~	~	~	R 1
MC-007V_9.5	04784-008	05/16/11	9.5/10	1	Soil	mg/Kg		~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	0.319 U	~	~	~	
MC-007Z_1.5	04784-009	05/16/11	1.5/2	1	Soil	mg/Kg		~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	33.0	~	0.279 U	~	~	~	
MC-007Z_5.5	04784-010	05/16/11	5.5/6	1	Soil	mg/Kg		~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	0.295 U	~	~	~	
MC-007Z_8.0	04784-011	05/16/11	8/8.5	1	Soil	mg/Kg		~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	0.303 U	~	~	~	
MC-008V_6.5	04784-017	05/16/11	6.5/7	1	Soil	mg/Kg		~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	0.284 U	~	~	~	
REP-051611-1	04784-021	05/16/11	~	1	Soil	mg/Kg		~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	0.281 U	~	~	~	
MC-008V_8.0	04784-018	05/16/11	8/8.5	1	Soil	mg/Kg		~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	0.295 U	~	~	~	
MC-008Z_5.5	04702-010	05/13/11	5.5/6	1	Soil	mg/Kg		~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	0.308 U	~	~	~	
MC-008Z_8.0	04702-011	05/13/11	8/8.5	1	Soil	mg/Kg		~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	0.294 U	~	~	~	
REP051311-1	04702-014	05/13/11	~	1	Soil	mg/Kg		~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	0.312 U	~	~	~	
MC-010Z_1.5	04702-008	05/13/11	1.5/2	1	Soil	mg/Kg		~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	59.6	~	~	~	~	~	
MC-012V_8.5	04702-004	05/13/11	8.5/9	1	Soil	mg/Kg		~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	0.293 U	~	~	~	
MC-012V_10.5	04702-005	05/13/11	10.5/11	1	Soil	mg/Kg		~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	0.317 U	~	~	~	
MC-013T_4.5	04702-003	05/13/11	4.5/5	1	Soil	mg/Kg		~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	31.6	~	~	~	~	~	
Field Blanks																																			
FB-050911-1	04531-001	05/09/11	~	1	Soil	ug/L		20.0 U	1.00 U	1.00 U	10.0 U	1.00 U	0.500 U	100 U	2.00 U	2.00 U	2.00 U	50.0 U	0.500 U	50.0 U	2.00 U	*0.300 U*	1.00 U	50.0 U	4.00 U	0.500 U	100 U	0.500 U	2.00 U	4.00 U	5.00 U	6.08	488	~	
FB-051011-1	04574-001	05/10/11	~	1	Soil	mg/L		0.020 U	0.001 U	0.001 U	0.010 U	0.001 U	0.0005 U	0.100 U	0.002 U	0.002 U	0.002 U	0.050 U	0.0005 U	0.050 U	0.002 U	0.0003 U	0.001 U	0.050 U	0.004 U	0.0005 U	0.100 U	0.0005 U	0.002 U	0.004 U	0.005 U	6.80	493	~	
FB-051111-1	04630-001	05/11/11	~	1	Soil	mg/L		0.020 U	0.001 U	0.001 U	0.010 U	0.001 U	0.0005 U	0.100 U	0.002 U	0.002 U	0.002 U	0.050 U	0.0005 U	0.050 U	0.002 U	0.0003 U	0.001 U	0.050 U	0.004 U	0.0005 U	0.100 U	0.0005 U	0.002 U	0.004 U	0.005 U	5.92	496	~	
FB051211-1	04676-001	05/12/11	~	1	Soil	mg/L		0.020 U	0.001 U	0.001 U	0.010 U	0.001 U	0.0005 U	0.100 U	0.002 U	0.002 U	0.002 U	0.050 U	0.0005 U	0.050 U	0.002 U	0.0003 U	0.001 U	0.050 U	0.004 U	0.0005 U	0.100 U	0.0005 U	0.002 U	0.004 U	0.003 U	6.18	177	~	
FB-051311	04702-001	05/13/11	~	1	Soil	mg/L		~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	0.002 U	~	0.003 U	~	~	~	
FB051611	04784-001	05/16/11	~	1	Soil	ug/L		~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	500 U	~	5.00 U	~	~	~	
FB051711	04821-001	05/17/11	~	1	Soil	mg/L		~	0.001 U	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	0.0005 U	0.002 U	~	0.005 U	~	~	~	
FB051811	04868-001	05/18/11	~	1	Soil	mg/L		0.020 U	0.001 U	0.001 U	0.010 U	0.001 U	0.0005 U	0.100 U	0.002 U	0.002 U	0.002 U	0.050 U	0.0005 U	0.050 U	0.002 U	0.0003 U	0.001 U	0.050 U	0.004 U	0.0005 U	0.100 U	0.0005 U	0.002 U	0.004 U	0.005 U	6.18	298	~	

Footnotes:
~ = Parameter not analyzed
U = The compound was not detected at the indicated concentration
J = Concentration was reported below the RL but above the MDL; estimated concentration
NC = No Criteria
RDCSRS = New Jersey Department of Environmental Protection's Residential Direct Contact Soil Remediation Standard
NRDCSRS = New Jersey Department of Environmental Protection's Non-Residential Direct Contact Soil Remediation Standard
IGWSSL = New Jersey Department of Environmental Protection's Impact to Groundwater Soil Screening Level
BOLD = Sample exceeds NJDEP IGWSSL
BOLD = Sample exceeds NJDEP RDCSRS and/or NRDCSRS
italicized = Sample exceeds NJDEP RDCSRS and/or NRDCSRS but was below the method detection limit (MDL)

Hexavalent Chromium DV Qualifier / Footnote :
1 - The reported result is flagged as estimated, 'J', because the Cr+6 matrix spike recovery is <75%, but >50%.
2 - The reported result is flagged as rejected, 'R', because the Cr+6 matrix spike recovery is <50%. The data end-user is referred tothe DV narrative for assesment of data usability based on the samples ReDox characteristics (Reducing or Oxidizing).
* This sample was determined to be 'Oxidizing' based on pH / Eh (ReDox) assessment.