

**Table 3-1
Hexavalent Chromium Analytical Results Compared to Chromium Soil Cleanup Criterion
Caven Point Avenue and Pacific Avenue Roadways
Garfield Avenue Group
PPG, Jersey City, New Jersey**

Grid ID	Location ID	Sample ID	Lab SDG	Lab ID	Depth Interval (ft bgs)	Location Elevation (NAVD88)	Sample Start Elevation (NAVD88)	Sample End Elevation (NAVD88)	Collection Date	Validated	Analyte	CHROMIUM (HEXAVALENT)
											CAS RN	18540-29-9
											Units	mg/kg
											CrSCC	20
											Result	Qualifier
AA38A	135-AA38A	135-AA38A-1.0-1.5	JC2722	JC2722-1	1.0 - 1.5	11.1	10.1	9.6	08/31/2015	Yes	3.4	J
AA38A	135-AA38A	135-AA38A-3.0-3.5	JC2722R	JC2722-2R	3.0 - 3.5	11.1	8.1	7.6	08/31/2015	Yes	0.67	J
AA38A	135-AA38A	135-AA38A-5.0-5.5	JC2722R	JC2722-3R	5.0 - 5.5	11.1	6.1	5.6	08/31/2015	Yes	1.1	J
AA38A	135-AA38A	135-AA38A-7.0-7.5	JC2722R	JC2722-4R	7.0 - 7.5	11.1	4.1	3.6	08/31/2015	Yes	0.34	J
AA38A	135-AA38A	135-AA38A-9.0-9.5	JC2722R	JC2722-5R	9.0 - 9.5	11.1	2.1	1.6	08/31/2015	Yes	0.82	J
AA38A	135-AA38A	135-AA38A-11.0-11.5	JC2722	JC2722-9	11.0 - 11.5	11.1	0.1	-0.4	08/31/2015	Yes	< 0.23	UJ
AA38A	135-AA38A	135-AA38A-13.0-13.5	JC2722R	JC2722-10R	13.0 - 13.5	11.1	-1.9	-2.4	08/31/2015	Yes	0.83	J
AA38A	135-AA38A	135-AA38A-15.0-15.5	JC2722R	JC2722-6R	15.0 - 15.5	11.1	-3.9	-4.4	08/31/2015	Yes	0.27	J
AA38A	135-AA38A	135-AA38A-16.5-17.0	JC2722R	JC2722-7R	16.5 - 17.0	11.1	-5.4	-5.9	08/31/2015	Yes	0.98	J
AA38A	135-AA38A	135-AA38A-17.0-17.5	JC2722R	JC2722-8R	17.0 - 17.5	11.1	-5.9	-6.4	08/31/2015	Yes	1.5	J
AA40A	135-B14	135-B14A(0.8-1.3)J48979-3R	J48979	J48979-3R	0.8 - 1.3	10.5	9.7	9.2	12/12/2006	Yes	14.6	J
AA40A	135-B14	135-B14B(2.9-3.4)J48979-4R	J48979	J48979-4R	2.9 - 3.4	10.5	7.6	7.1	12/12/2006	Yes	< 1.2	UJ
AA40A	135-B14	135-B14C(3.4-3.8)J48979-5R	J48979	J48979-5R	3.4 - 3.8	10.5	7.1	6.7	12/12/2006	Yes	< 1.2	UJ
AA40A	135-B14	PPG-135-B14E_8.5-9.0_795159	B141	795159	8.5 - 9.0	10.5	2.0	1.5	12/20/2006	Yes	< 2.45	UJ
AA40A	135-B14	PPG-135-B14F_12.8-13.3_795160	B141	795160	12.8 - 13.3	10.5	-2.3	-2.8	12/20/2006	Yes	< 4.43	UJ
AA40A	135-B14	PPG-135-B14G_17.0-17.5_795161	B141	795161	17.0 - 17.5	10.5	-6.5	-7.0	12/20/2006	Yes	< 3.5	UJ
AA40A	135-B14	PPG-135-B14H_20.4-20.9_795162	B141	795162	20.4 - 20.9	10.5	-9.9	-10.4	12/20/2006	Yes	< 2.46	UJ
BB35A	135-BB35AR	135-BB35AR-1.0-1.5	JC14857R	JC14857-10R	1.0 - 1.5	11.5	10.5	10.0	02/25/2016	Yes	3.6	RA
BB35A	135-BB35AR	135-BB35AR-3.0-3.5	JC14857R	JC14857-15R	3.0 - 3.5	11.5	8.5	8.0	02/25/2016	Yes	7.1	RA
BB35A	135-BB35AR	135-BB35AR-5.0-5.5	JC14857R	JC14857-16R	5.0 - 5.5	11.5	6.5	6.0	02/25/2016	Yes	2.0	RA
BB35A	135-BB35AR	135-BB35AR-7.0-7.5	JC14857R	JC14857-17R	7.0 - 7.5	11.5	4.5	4.0	02/25/2016	Yes	< 0.17	RA
BB35A	135-BB35AR	135-BB35AR-7.0-7.5X	JC14857R	JC14857-18R	7.0 - 7.5	11.5	4.5	4.0	02/25/2016	Yes	1.4	RA
BB35A	135-BB35AR	135-BB35AR-9.0-9.5	JC14857	JC14857-19	9.0 - 9.5	11.5	2.5	2.0	02/25/2016	Yes	0.50	RA
BB35A	135-BB35AR	135-BB35AR-11.0-11.5	JC14857R	JC14857-11R	11.0 - 11.5	11.5	0.5	0.0	02/25/2016	Yes	0.75	RA
BB35A	135-BB35AR	135-BB35AR-13.0-13.5	JC14857	JC14857-12	13.0 - 13.5	11.5	-1.5	-2.0	02/25/2016	Yes	0.59	RA
BB35A	135-BB35AR	135-BB35AR-14.0-14.5	JC14857	JC14857-13	14.0 - 14.5	11.5	-2.5	-3.0	02/25/2016	Yes	0.38	RA
BB35A	135-BB35AR	135-BB35AR-14.5-15.0	JC15136	JC15136-2	14.5 - 15.0	11.5	-3.0	-3.5	03/01/2016	Yes	1.0	RA
BB35A	135-BB35AR	135-BB35AR-15.0-15.5	JC14857	JC14857-14	15.0 - 15.5	11.5	-3.5	-4.0	02/25/2016	Yes	1.6	RA
BB35A	135-BB35AR	135-BB35AR-15.5-16.0	JC15136	JC15136-3	15.5 - 16.0	11.5	-4.0	-4.5	03/01/2016	Yes	0.42	RA
BB36A	135-AA36A-SW-E	135-AA36A-SW-E-3.3-3.8	JC24868	JC24868-3	0.7 - 1.2	11.4	10.7	10.2	07/28/2016	Yes	4.5	J
BB36A	135-BB36A	135-BB36A-1.5-2.0	JC14857	JC14857-20	1.5 - 2.0	11.4	9.9	9.4	02/25/2016	Yes	0.33	RA
BB36A	135-BB36A	135-BB36A-3.5-4.0	JC14857	JC14857-24	3.5 - 4.0	11.4	7.9	7.4	02/25/2016	Yes	0.48	RA
BB36A	135-BB36A	135-BB36A-5.5-6.0	JC14857	JC14857-25	5.5 - 6.0	11.4	5.9	5.4	02/25/2016	Yes	0.63	RA
BB36A	135-BB36A	135-BB36A-7.5-8.0	JC14857	JC14857-26	7.5 - 8.0	11.4	3.9	3.4	02/25/2016	Yes	0.95	RA
BB36A	135-BB36A	135-BB36A-9.5-10.0	JC14857T	JC14857-27T	9.5 - 10.0	11.4	1.9	1.4	02/25/2016	Yes	0.51	RA
BB36A	135-BB36A	135-BB36A-11.5-12.0	JC14857	JC14857-21	11.5 - 12.0	11.4	-0.1	-0.6	02/25/2016	Yes	1.1	RA
BB36A	135-BB36A	135-BB36A-13.5-14.0	JC14857	JC14857-22	13.5 - 14.0	11.4	-2.1	-2.6	02/25/2016	Yes	0.77	RA
BB36A	135-BB36A	135-BB36A-14.0-14.5	JC14857	JC14857-23	14.0 - 14.5	11.4	-2.6	-3.1	02/25/2016	Yes	7.3	RA
BB37A	135-B15	135-B15A(0.6-1.1)J48979-18R	J48979	J48979-18R	0.6 - 1.1	10.9	10.3	9.8	12/12/2006	Yes	5.8	J
BB37A	135-B15	135-B15B(2.2-2.2)J48979-19R	J48979	J48979-19R	2.2 - 2.2	10.9	8.7	8.7	12/12/2006	Yes	< 1.3	UJ
BB37A	135-B15	135-B15C(4.2-4.5)J48979-20R	J48979	J48979-20R	4.2 - 4.5	10.9	6.7	6.4	12/12/2006	Yes	< 1.6	UJ
BB37A	135-B15	PPG-135-B15D_8.0-8.5_795806	B244	795806	8.0 - 8.5	10.9	2.9	2.4	12/22/2006	Yes	< 2.37	U
BB37A	135-B15	PPG-135-B15E_12.0-12.5_795807	B244	795807	12.0 - 12.5	10.9	-1.1	-1.6	12/22/2006	Yes	< 2.36	UJ
BB37A	135-B15	PPG-135-B15F_13.7-14.2_795808	B244	795808	13.7 - 14.2	10.9	-2.8	-3.3	12/22/2006	Yes	< 3.47	UJ

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Grid ID	Location ID	Sample ID	Lab SDG	Lab ID	Depth Interval (ft bgs)	Location Elevation (NAVD88)	Sample Start Elevation (NAVD88)	Sample End Elevation (NAVD88)	Collection Date	Validated	Analyte	CHROMIUM (HEXAVALENT)
											CAS RN Units CrSCC	18540-29-9 mg/kg 20
Result	Qualifier											
BB37A	135-B15	PPG-135-B15G_17.5-18.0_795809	B244	795809	17.5 - 18.0	10.9	-6.6	-7.1	12/22/2006	Yes	< 3.57	UJ
BB37A	135-B15	PPG-135-B15H_21.5-22.0_795810	B244	795810	21.5 - 22.0	10.9	-10.6	-11.1	12/22/2006	Yes	< 3.46	UJ
BB37A	135-B15	PPG-135-B15I_23.0-23.5_795811	B244	795811	23.0 - 23.5	10.9	-12.1	-12.6	12/22/2006	Yes	< 2.58	UJ
BB43A	EF-21	EF-B21-0.5	460254811	460-25481-2	0.5 - 1.0	10.0	9.5	9.0	04/18/2011	Yes	1.3	J
BB43A	EF-21	EF-B21-2.0	460254811	460-25481-1	2.0 - 2.5	10.0	8.0	7.5	04/18/2011	Yes	< 0.57	U
BB43A	EF-21	EF-B21-4.0	460254811	460-25481-4	4.0 - 4.5	10.0	6.0	5.5	04/18/2011	Yes	< 0.58	U
BB43A	EF-21	EF-B21-6.0	460255501	460-25550-1	6.0 - 6.5	10.0	4.0	3.5	04/19/2011	Yes	< 0.62	UJ
BB43A	EF-21	EF-B21-10.0	460255501	460-25550-3	10.0 - 10.5	10.0	0.0	-0.5	04/19/2011	Yes	< 0.61	UJ
BB43A	EF-21	EF-B21-12.0	460255501	460-25550-4	12.0 - 12.5	10.0	-2.0	-2.5	04/19/2011	Yes	1.7	J
BB43A	EF-21	EF-B21-16.0	460255501	460-25550-6	16.0 - 16.5	10.0	-6.0	-6.5	04/19/2011	Yes	< 0.60	UJ
BB43A	EF-21	EF-B21-22.5	460255501	460-25550-8	22.5 - 23.0	10.0	-12.5	-13.0	04/19/2011	Yes	< 0.62	UJ
CC32A	135-CC32A	135-CC32A-1.0-1.5	JC2781R	JC2781-1R	1.0 - 1.5	10.0	9.0	8.5	09/01/2015	Yes	5.2	RA
CC32A	135-CC32A	135-CC32A-2.0-2.5	JC2781R	JC2781-3R	2.0 - 2.5	10.0	8.0	7.5	09/01/2015	Yes	< 0.13	RA
CC32A	135-CC32A	135-CC32A-4.0-4.5	JC2781R	JC2781-4R	4.0 - 4.5	10.0	6.0	5.5	09/01/2015	Yes	0.32	RA
CC32A	135-CC32A	135-CC32A-4.0-4.5X	JC2781R	JC2781-5R	4.0 - 4.5	10.0	6.0	5.5	09/01/2015	Yes	0.32	RA
CC32A	135-CC32A	135-CC32A-6.0-6.5	JC2781R	JC2781-6R	6.0 - 6.5	10.0	4.0	3.5	09/01/2015	Yes	0.65	RA
CC32A	135-CC32A	135-CC32A-8.0-8.5	JC2781R	JC2781-7R	8.0 - 8.5	10.0	2.0	1.5	09/01/2015	Yes	0.26	RA
CC32A	135-CC32A	135-CC32A-10.0-10.5	JC2781R	JC2781-8R	10.0 - 10.5	10.0	0.0	-0.5	09/01/2015	Yes	0.54	RA
CC32A	135-CC32A	135-CC32A-12.0-12.5	JC2781R	JC2781-9R	12.0 - 12.5	10.0	-2.0	-2.5	09/01/2015	Yes	0.74	RA
CC32A	135-CC32A	135-CC32A-14.0-14.5	JC2781R	JC2781-10R	14.0 - 14.5	10.0	-4.0	-4.5	09/01/2015	Yes	< 0.13	RA
CC32A	135-CC32A	135-CC32A-15.5-16.0	JC2781R	JC2781-11R	15.5 - 16.0	10.0	-5.5	-6.0	09/01/2015	Yes	0.70	RA
CC32A	135-CC32A	135-CC32A-16.0-16.5	JC2781	JC2781-12	16.0 - 16.5	10.0	-6.0	-6.5	09/01/2015	Yes	0.87	RA
CC33A	EF-19	EF-B19-0.8	460255501	460-25550-31	0.8 - 1.3	10.3	9.5	9.0	04/19/2011	Yes	< 0.56	UJ
CC33A	EF-19	EF-B19-2.0	460255501	460-25550-32	2.0 - 2.5	10.3	8.3	7.8	04/19/2011	Yes	< 0.57	UJ
CC33A	EF-19	EF-B19-4.0	460255501	460-25550-34	4.0 - 4.5	10.3	6.3	5.8	04/19/2011	Yes	2.8	J
CC33A	EF-19	EF-B19-6.0	460255501	460-25550-16	6.0 - 6.5	10.3	4.3	3.8	04/19/2011	Yes	< 0.59	UJ
CC33A	EF-19	EF-B19-10.0	460255501	460-25550-17	10.0 - 10.5	10.3	0.3	-0.2	04/19/2011	Yes	< 0.58	UJ
CC33A	EF-19	EF-B19-15.0	460255501	460-25550-19	15.0 - 15.5	10.3	-4.7	-5.2	04/19/2011	Yes	< 0.59	UJ
CC33A	EF-19	EF-B19-15.0X	460255501	460-25550-20	15.0 - 15.5	10.3	-4.7	-5.2	04/19/2011	Yes	< 0.59	UJ
CC33A	EF-19	EF-B19-22.5	460255501	460-25550-23	22.5 - 23.0	10.3	-12.2	-12.7	04/19/2011	Yes	< 0.95	UJ
CC39A	EF-20	EF-B20-0.5	460254811	460-25481-5	0.5 - 1.0	10.7	10.2	9.7	04/18/2011	Yes	< 0.55	U
CC39A	EF-20	EF-B20-2.0	460254811	460-25481-6	2.0 - 2.5	10.7	8.7	8.2	04/18/2011	Yes	< 0.56	U
CC39A	EF-20	EF-B20-4.0	460254811	460-25481-8	4.0 - 4.5	10.7	6.7	6.2	04/18/2011	Yes	< 0.57	U
CC39A	EF-20	EF-B20-6.0	460255501	460-25550-9	6.0 - 6.5	10.7	4.7	4.2	04/19/2011	Yes	< 0.59	UJ
CC39A	EF-20	EF-B20-10.0	460255501	460-25550-11	10.0 - 10.5	10.7	0.7	0.2	04/19/2011	Yes	< 0.59	UJ
CC39A	EF-20	EF-B20-12.0	460255501	460-25550-12	12.0 - 12.5	10.7	-1.3	-1.8	04/19/2011	Yes	< 0.59	UJ
CC39A	EF-20	EF-B20-15.0	460255501	460-25550-13	15.0 - 15.5	10.7	-4.3	-4.8	04/19/2011	Yes	< 0.58	UJ
CC39A	EF-20	EF-B20-22.0	460255501	460-25550-15	22.0 - 22.5	10.7	-11.3	-11.8	04/19/2011	Yes	< 0.65	UJ
DD28A	135-DD28A-SW-E3	135-DD28A-SW-E-8.2-8.7	JC29231R	JC29231-6R	8.2 - 8.7	13.4	5.2	4.7	10/07/2016	Yes	0.36	J
DD28A	135-DD28A-SW-E4	135-DD28A-SW-E-10.2-10.7	JC29231R	JC29231-5R	10.2 - 10.7	13.4	3.2	2.7	10/07/2016	Yes	2.9	J
DD28A	135-DD28A-SW-E4	135-DD28A-SW-E-10.2-10.7X	JC29231	JC29231-11	10.2 - 10.7	13.4	3.2	2.7	10/07/2016	Yes	2.3	J
DD28A	135-DD28A-SW-E5	135-DD28A-SW-E-12.2-12.7	JC29231R	JC29231-4R	12.2 - 12.7	13.4	1.2	0.7	10/07/2016	Yes	0.81	J
DD29A	135-DD29A-SW-E1	135-DD29A-SW-E-4.2-4.7	JC29762R	JC29762-3R	4.2 - 4.7	13.4	9.2	8.7	10/13/2016	Yes	2.8	J
DD29A	135-DD29A-SW-E2	135-DD29A-SW-E-6.5-7.0	JC29231R	JC29231-10R	6.5 - 7.0	13.4	6.9	6.4	10/07/2016	Yes	0.49	J

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											CAS RN	18540-29-9
											Units	mg/kg
											CrSCC	20
											Result	Qualifier
DD29A	135-DD29A-SW-E3	135-DD29A-SW-E-8.5-9.0	JC29231	JC29231-9	8.5 - 9.0	13.4	4.9	4.4	10/07/2016	Yes	0.97	J
DD30A	135-CC30A-SW-E1	135-CC30A-SW-E-4.4-4.9	JC26570R	JC26570-5R	0.7 - 1.2	10.2	9.5	9.0	08/26/2016	Yes	0.77	J
DD30A	135-CC30A-SW-E2	135-CC30A-SW-E-6.4-6.9	JC26570R	JC26570-4R	2.7 - 3.2	10.2	7.5	7.0	08/26/2016	Yes	2.1	J
DD30A	135-DD30A	135-DD30A-0.5-1.0	JC2781R	JC2781-13R	0.5 - 1.0	10.2	9.7	9.2	09/01/2015	Yes	18.6	RA
DD30A	135-DD30A	135-DD30A-2.5-3.0	JC2781R	JC2781-14R	2.5 - 3.0	10.2	7.7	7.2	09/01/2015	Yes	< 0.12	RA
DD30A	135-DD30A	135-DD30A-4.5-5.0	JC2781R	JC2781-15R	4.5 - 5.0	10.2	5.7	5.2	09/01/2015	Yes	< 0.16	RA
DD30A	135-DD30A	135-DD30A-6.5-7.0	JC2781R	JC2781-16R	6.5 - 7.0	10.2	3.7	3.2	09/01/2015	Yes	0.55	RA
DD30A	135-DD30A	135-DD30A-8.5-9.0	JC2781R	JC2781-17R	8.5 - 9.0	10.2	1.7	1.2	09/01/2015	Yes	0.15	RA
DD30A	135-DD30A	135-DD30A-10.5-11.0	JC2781R	JC2781-18R	10.5 - 11.0	10.2	-0.3	-0.8	09/01/2015	Yes	0.34	RA
DD30A	135-DD30A	135-DD30A-12.5-13.0	JC2781R	JC2781-19R	12.5 - 13.0	10.2	-2.3	-2.8	09/01/2015	Yes	< 0.13	RA
DD30A	135-DD30A	135-DD30A-14.5-15.0	JC2781R	JC2781-20R	14.5 - 15.0	10.2	-4.3	-4.8	09/01/2015	Yes	< 0.13	RA
DD30A	135-DD30A	135-DD30A-15.4-15.9	JC2781R	JC2781-21R	15.4 - 15.9	10.2	-5.2	-5.7	09/01/2015	Yes	< 0.14	RA
DD30A	135-DD30A	135-DD30A-15.9-16.4	JC2781	JC2781-22	15.9 - 16.4	10.2	-5.7	-6.2	09/01/2015	Yes	0.68	RA
DD31A	135-B16	135-B16A(0.7-1.2)J49116-2	J49116	J49116-2	0.7 - 1.2	9.9	9.2	8.7	12/13/2006	Yes	< 1.3	UJ
DD31A	135-B16	135-B16B(2.0-2.4)J49116-3	J49116	J49116-3	2.0 - 2.4	9.9	7.9	7.5	12/13/2006	Yes	< 1.2	UJ
DD31A	135-B16	135-B16C(4.2-4.6)J49116-4	J49116	J49116-4	4.2 - 4.6	9.9	5.7	5.3	12/13/2006	Yes	< 1.3	UJ
DD31A	135-B16	PPG-135-B16D_8.0-8.5_795798	B244	795798	8.0 - 8.5	9.9	1.9	1.4	12/22/2006	Yes	< 2.39	UJ
DD31A	135-B16	PPG-135-B16E_12.2-13.2_795799	B244	795799	12.2 - 13.2	9.9	-2.3	-3.3	12/22/2006	Yes	< 2.31	UJ
DD31A	135-B16	PPG-135-B16ED_12.2-13.2_795800	B244	795800	12.2 - 13.2	9.9	-2.3	-3.3	12/22/2006	Yes	< 4.69	UJ
DD31A	135-B16	PPG-135-B16F_16.2-16.7_795801	B244	795801	16.2 - 16.7	9.9	-6.3	-6.8	12/22/2006	Yes	6.0	J
DD31A	135-B16	PPG-135-B16G_20.0-20.5_795802	B244	795802	20.0 - 20.5	9.9	-10.1	-10.6	12/22/2006	Yes	< 3.41	UJ
DD31A	135-B16	PPG-135-B16H_20.9-21.4_795803	B244	795803	20.9 - 21.4	9.9	-11.0	-11.5	12/22/2006	Yes	< 2.68	UJ
EE27A	135-EE27A	135-EE27A-1.2-1.7	JC2781R	JC2781-23R	1.2 - 1.7	9.7	8.5	8.0	09/01/2015	Yes	< 0.13	RA
EE27A	135-EE27A	135-EE27A-2.0-2.5	JC2781R	JC2781-24R	2.0 - 2.5	9.7	7.7	7.2	09/01/2015	Yes	0.36	RA
EE27A	135-EE27A	135-EE27A-4.0-4.5	JC2781R	JC2781-25R	4.0 - 4.5	9.7	5.7	5.2	09/01/2015	Yes	< 0.13	RA
EE27A	135-EE27A	135-EE27A-4.0-4.5X	JC2781R	JC2781-26R	4.0 - 4.5	9.7	5.7	5.2	09/01/2015	Yes	< 0.13	RA
EE27A	135-EE27A	135-EE27A-6.0-6.5	JC2781R	JC2781-27R	6.0 - 6.5	9.7	3.7	3.2	09/01/2015	Yes	< 0.15	RA
EE27A	135-EE27A	135-EE27A-8.0-8.5	JC2781R	JC2781-28R	8.0 - 8.5	9.7	1.7	1.2	09/01/2015	Yes	0.50	RA
EE27A	135-EE27A	135-EE27A-10.0-10.5	JC2781R	JC2781-29R	10.0 - 10.5	9.7	-0.3	-0.8	09/01/2015	Yes	0.35	RA
EE27A	135-EE27A	135-EE27A-12.0-12.5	JC2781R	JC2781-30R	12.0 - 12.5	9.7	-2.3	-2.8	09/01/2015	Yes	0.32	RA
EE27A	135-EE27A	135-EE27A-14.0-14.5	JC2781R	JC2781-31R	14.0 - 14.5	9.7	-4.3	-4.8	09/01/2015	Yes	0.23	RA
EE27A	135-EE27A	135-EE27A-15.7-16.2	JC2781R	JC2781-32R	15.7 - 16.2	9.7	-6.0	-6.5	09/01/2015	Yes	0.19	RA
EE27A	135-EE27A	135-EE27A-16.2-16.7	JC2781	JC2781-33	16.2 - 16.7	9.7	-6.5	-7.0	09/01/2015	Yes	1.3	RA
EE28A	135-B17	135-B17A(0.9-1.4)J49116-5	J49116	J49116-5	0.9 - 1.4	9.8	8.9	8.4	12/13/2006	Yes	1.4	J
EE28A	135-B17	135-B17B(2.4-2.9)J49116-6	J49116	J49116-6	2.4 - 2.9	9.8	7.4	6.9	12/13/2006	Yes	< 1.2	UJ
EE28A	135-B17	135-B17C(4.0-4.5)J49116-7	J49116	J49116-7	4.0 - 4.5	9.8	5.8	5.3	12/13/2006	Yes	< 1.5	UJ
EE28A	135-B17	PPG-135-B17D_8.0-8.5	B200	795532	8.0 - 8.5	9.8	1.8	1.3	12/21/2006	Yes	< 2.44	UJ
EE28A	135-B17	PPG-135-B17E_12.0-13.0	B200	795533	12.0 - 13.0	9.8	-2.2	-3.2	12/21/2006	Yes	< 2.4	UJ
EE28A	135-B17	PPG-135-B17ED_12.0-13.0	B200	795534	12.0 - 13.0	9.8	-2.2	-3.2	12/21/2006	Yes	< 2.53	UJ
EE28A	135-B17	PPG-135-B17F_14.9-15.4	B200	795535	14.9 - 15.4	9.8	-5.1	-5.6	12/21/2006	Yes	< 5.32	UJ
EE28A	135-B17	PPG-135-B17G_18.8-19.3	B200	795536	18.8 - 19.3	9.8	-9.0	-9.5	12/21/2006	Yes	< 2.47	UJ
EE28A	135-DD28A-SW-E1	135-DD28A-SW-E-4.2-4.7	JC29231R	JC29231-8R	4.2 - 4.7	13.4	9.2	8.7	10/07/2016	Yes	2.3	J
EE28A	135-DD28A-SW-E2	135-DD28A-SW-E-6.2-6.7	JC29231	JC29231-7	6.2 - 6.7	13.4	7.2	6.7	10/07/2016	Yes	0.43	J
F47A	EF-82	EF-B82-0.5	460295961	460-29596-23	0.5 - 1.0	17.6	17.1	16.6	08/04/2011	Yes	< 0.58	U

**Table 3-1
Hexavalent Chromium Analytical Results Compared to Chromium Soil Cleanup Criterion
Caven Point Avenue and Pacific Avenue Roadways
Garfield Avenue Group
PPG, Jersey City, New Jersey**

Grid ID	Location ID	Sample ID	Lab SDG	Lab ID	Depth Interval (ft bgs)	Location Elevation (NAVD88)	Sample Start Elevation (NAVD88)	Sample End Elevation (NAVD88)	Collection Date	Validated	Analyte	CHROMIUM (HEXAVALENT)
											CAS RN	18540-29-9
											Units	mg/kg
											CrSCC	20
											Result	Qualifier
FF23A	135-FF23A	135-FF23A-1.0-1.5	JC3801	JC3801-1	1.0 - 1.5	8.7	7.7	7.2	09/14/2015	Yes	2.4	RA
FF23A	135-FF23A	135-FF23A-3.0-3.5	JC3801	JC3801-2	3.0 - 3.5	8.7	5.7	5.2	09/14/2015	Yes	0.76	RA
FF23A	135-FF23A	135-FF23A-5.0-5.5	JC3801	JC3801-3	5.0 - 5.5	8.7	3.7	3.2	09/14/2015	Yes	0.32	RA
FF23A	135-FF23A	135-FF23A-5.0-5.5X	JC3801	JC3801-4	5.0 - 5.5	8.7	3.7	3.2	09/14/2015	Yes	< 0.29	RA
FF23A	135-FF23A	135-FF23A-7.0-7.5	JC3801R	JC3801-5R	7.0 - 7.5	8.7	1.7	1.2	09/14/2015	Yes	3.0	RA
FF23A	135-FF23A	135-FF23A-9.0-9.5	JC3801R	JC3801-6R	9.0 - 9.5	8.7	-0.3	-0.8	09/14/2015	Yes	0.38	RA
FF23A	135-FF23A	135-FF23A-11.0-11.5	JC3801R	JC3801-7R	11.0 - 11.5	8.7	-2.3	-2.8	09/14/2015	Yes	0.51	RA
FF23A	135-FF23A	135-FF23A-11.5-12.0	JC3801R	JC3801-8R	11.5 - 12.0	8.7	-2.8	-3.3	09/14/2015	Yes	0.37	RA
FF23A	135-FF23A	135-FF23A-12.0-12.5	JC3801	JC3801-9	12.0 - 12.5	8.7	-3.3	-3.8	09/14/2015	Yes	0.81	RA
FF24A	135-FF24A	135-FF24A-1.2-1.7	JC3801	JC3801-14	1.2 - 1.7	9.1	7.9	7.4	09/14/2015	Yes	2.3	RA
FF24A	135-FF24A	135-FF24A-3.0-3.5	JC3801R	JC3801-15R	3.0 - 3.5	9.1	6.1	5.6	09/14/2015	Yes	< 0.14	RA
FF24A	135-FF24A	135-FF24A-5.0-5.5	JC3801	JC3801-11	5.0 - 5.5	9.1	4.1	3.6	09/14/2015	Yes	< 0.24	RA
FF24A	135-FF24A	135-FF24A-7.0-7.5	JC3801R	JC3801-12R	7.0 - 7.5	9.1	2.1	1.6	09/14/2015	Yes	0.55	RA
FF24A	135-FF24A	135-FF24A-9.0-9.5	JC3801	JC3801-13	9.0 - 9.5	9.1	0.1	-0.4	09/14/2015	Yes	0.84	RA
FF24A	135-FF24A	135-FF24A-11.0-11.5	JC3801R	JC3801-16R	11.0 - 11.5	9.1	-1.9	-2.4	09/14/2015	Yes	0.47	RA
FF24A	135-FF24A	135-FF24A-12.8-13.3	JC3801R	JC3801-18R	12.8 - 13.3	9.1	-3.7	-4.2	09/14/2015	Yes	0.57	RA
FF24A	135-FF24A	135-FF24A-13.3-13.8	JC3801	JC3801-17	13.3 - 13.8	9.1	-4.2	-4.7	09/14/2015	Yes	< 0.40	RA
FF25A	135-B18	135 B18A(0.6-1.1)J49116-10	J49116	J49116-10	0.6 - 1.1	9.0	8.4	7.9	12/13/2006	Yes	< 1.1	UJ
FF25A	135-B18	135 B18B(2.8-3.3)J49116-11	J49116	J49116-11	2.8 - 3.3	9.0	6.2	5.7	12/13/2006	Yes	< 1.3	UJ
FF25A	135-B18	135 B18C(4.1-4.6)J49116-12	J49116	J49116-12	4.1 - 4.6	9.0	4.9	4.4	12/13/2006	Yes	< 1.3	UJ
FF25A	135-B18	PPG-135-B18D_ 8.0-8.5	B200	795539	8.0 - 8.5	9.0	1.0	0.5	12/21/2006	Yes	< 2.32	UJ
FF25A	135-B18	PPG-135-B18E_ 12.0-13.0	B200	795540	12.0 - 13.0	9.0	-3.0	-4.0	12/21/2006	Yes	< 2.28	UJ
FF25A	135-B18	PPG-135-B18F_ 13.2-13.7	B200	795541	13.2 - 13.7	9.0	-4.2	-4.7	12/21/2006	Yes	< 6.64	UJ
FF25A	135-B18	PPG-135-B18G_ 16.2-16.7	B200	795543	16.2 - 16.7	9.0	-7.2	-7.7	12/21/2006	Yes	< 5.68	UJ
FF25A	135-B18	PPG-135-B18H_ 17.5-18.0	B200	795544	17.5 - 18.0	9.0	-8.5	-9.0	12/21/2006	Yes	< 2.47	UJ
G46A	EF-83	EF-B83-0.5	460295961	460-29596-24	0.5 - 1.0	17.3	16.8	16.3	08/04/2011	Yes	9.9	
G47A	EF-81	EF-B81-0.5	460295961	460-29596-22	0.5 - 1.0	18.7	18.2	17.7	08/04/2011	Yes	7.6	
G47A	EF-84	EF-B84-0.5	460295961	460-29596-25	0.5 - 1.0	17.3	16.8	16.3	08/04/2011	Yes	4.8	
GG23A	CAR-PDI-GG23A	CAR-PDI-GG23A-0.0-0.5	JC22160	JC22160-12	0.0 - 0.5	8.5	8.5	8.0	06/14/2016	Yes	1.2	J
GG23A	CAR-PDI-GG23A	CAR-PDI-GG23A-2.0-2.5	JC22160	JC22160-15	2.0 - 2.5	8.5	6.5	6.0	06/14/2016	Yes	< 0.40	UJ
GG23A	CAR-PDI-GG23A	CAR-PDI-GG23A-4.0-4.5	JC22160	JC22160-16	4.0 - 4.5	8.5	4.5	4.0	06/14/2016	Yes	1.0	J
GG23A	CAR-PDI-GG23A	CAR-PDI-GG23A-6.0-6.5	JC22160	JC22160-17	6.0 - 6.5	8.5	2.5	2.0	06/14/2016	Yes	< 0.34	UJ
GG23A	CAR-PDI-GG23A	CAR-PDI-GG23A-8.0-8.5	JC22160	JC22160-19	8.0 - 8.5	8.5	0.5	0.0	06/14/2016	Yes	1.0	J
GG23A	CAR-PDI-GG23A	CAR-PDI-GG23A-8.0-8.5X	JC22160	JC22160-18	8.0 - 8.5	8.5	0.5	0.0	06/14/2016	Yes	< 0.34	UJ
GG23A	CAR-PDI-GG23A	CAR-PDI-GG23A-10.0-10.5	JC22160R	JC22160-13R	10.0 - 10.5	8.5	-1.5	-2.0	06/14/2016	Yes	0.84	J
GG23A	CAR-PDI-GG23A	CAR-PDI-GG23A-10.5-11.0	JC22160	JC22160-14	10.5 - 11.0	8.5	-2.0	-2.5	06/14/2016	Yes	0.88	J
GG27A	EF-18	EF-B18-0.5	460254811	460-25481-9	0.5 - 1.0	10.0	9.5	9.0	04/18/2011	Yes	0.72	J
GG27A	EF-18	EF-B18-2.0	460254811	460-25481-10	2.0 - 2.5	10.0	8.0	7.5	04/18/2011	Yes	< 0.59	U
GG27A	EF-18	EF-B18-4.0	460254811	460-25481-12	4.0 - 4.5	10.0	6.0	5.5	04/18/2011	Yes	3.4	
GG27A	EF-18	EF-B18-6.0	460255991	460-25599-1	6.0 - 6.5	10.0	4.0	3.5	04/20/2011	Yes	< 0.57	UJ
GG27A	EF-18	EF-B18-10.0	460255991	460-25599-2	10.0 - 10.5	10.0	0.0	-0.5	04/20/2011	Yes	< 0.57	UJ
GG27A	EF-18	EF-B18-15.0	460255991	460-25599-4	15.0 - 15.5	10.0	-5.0	-5.5	04/20/2011	Yes	4.7	J
GG27A	EF-18	EF-B18-16.0	460255991	460-25599-5	16.0 - 16.5	10.0	-6.0	-6.5	04/20/2011	Yes	< 0.61	UJ
GG27A	EF-18	EF-B18-16.0X	460255991	460-25599-6	16.0 - 16.5	10.0	-6.0	-6.5	04/20/2011	Yes	< 0.60	UJ

**Table 3-1
Hexavalent Chromium Analytical Results Compared to Chromium Soil Cleanup Criterion
Caven Point Avenue and Pacific Avenue Roadways
Garfield Avenue Group
PPG, Jersey City, New Jersey**

											Analyte CAS RN Units CrSCC	CHROMIUM (HEXAVALENT) 18540-29-9 mg/kg 20	
Grid ID	Location ID	Sample ID	Lab SDG	Lab ID	Depth Interval (ft bgs)	Location Elevation (NAVD88)	Sample Start Elevation (NAVD88)	Sample End Elevation (NAVD88)	Collection Date	Validated	Result	Qualifier	
GG27A	EF-18	EF-B18-17.5	460255991	460-25599-7	17.5 - 18.0	10.0	-7.5	-8.0	04/20/2011	Yes	< 0.58	UJ	
GG27A	EF-18	EF-B18-22.5	460255991	460-25599-8	22.5 - 23.0	10.0	-12.5	-13.0	04/20/2011	Yes	< 0.58	UJ	
H52A	ICO-10	ICO-10-0.5	460263481	460-26348-6	0.5 - 1.0	19.0	18.5	18.0	05/11/2011	Yes	< 0.58	UJ	
H52A	ICO-10	ICO-10-2.0	460263481	460-26348-7	2.0 - 2.5	19.0	17.0	16.5	05/11/2011	Yes	< 0.59	UJ	
H52A	ICO-10	ICO-10-4.0	460263481	460-26348-8	4.0 - 4.5	19.0	15.0	14.5	05/11/2011	Yes	< 0.56	UJ	
H52A	ICO-10	ICO-10-4.0X	460263481	460-26348-9	4.0 - 4.5	19.0	15.0	14.5	05/11/2011	Yes	< 0.55	UJ	
H52A	ICO-10	ICO-10-6.0	460263481	460-26348-1	6.0 - 6.5	19.0	13.0	12.5	05/11/2011	Yes	< 0.58	UJ	
H52A	ICO-10	ICO-10-10.0	460263481	460-26348-2	10.0 - 10.5	19.0	9.0	8.5	05/11/2011	Yes	< 0.60	UJ	
H52A	ICO-10	ICO-10-15.0	460263481	460-26348-3	15.0 - 15.5	19.0	4.0	3.5	05/11/2011	Yes	3.5	J	
H52A	ICO-10	ICO-10-16.0	460263481	460-26348-4	16.0 - 16.5	19.0	3.0	2.5	05/11/2011	Yes	< 0.64	UJ	
H52A	ICO-10	ICO-10-20.0	460263481	460-26348-5	20.0 - 20.5	19.0	-1.0	-1.5	05/11/2011	Yes	< 0.60	UJ	
I49A	ICO-09	ICO-9-0.5	460263481	460-26348-10	0.5 - 1.0	21.8	21.3	20.8	05/11/2011	Yes	< 0.58	UJ	
I49A	ICO-09	ICO-9-2.0	460263481	460-26348-11	2.0 - 2.5	21.8	19.8	19.3	05/11/2011	Yes	< 0.58	UJ	
I49A	ICO-09	ICO-9-4.0	460263481	460-26348-12	4.0 - 4.5	21.8	17.8	17.3	05/11/2011	Yes	< 0.60	UJ	
I49A	ICO-09	ICO-9-6.0	460263951	460-26395-4	6.0 - 6.5	21.8	15.8	15.3	05/12/2011	Yes	< 0.57	UJ	
I49A	ICO-09	ICO-9-10.0	460263951	460-26395-5	10.0 - 10.5	21.8	11.8	11.3	05/12/2011	Yes	0.63	J	
I49A	ICO-09	ICO-9-15.0	460263951	460-26395-6	15.0 - 15.5	21.8	6.8	6.3	05/12/2011	Yes	< 0.58	UJ	
I49A	ICO-09	ICO-9-16.0	460263951	460-26395-7	16.0 - 16.5	21.8	5.8	5.3	05/12/2011	Yes	< 0.58	UJ	
J45A	10W-J45A	10W-J45A-0.5-1.0	JB66880	JB66880-1R	0.5 - 1.0	15.6	15.1	14.6	05/13/2014	Yes	2.5	RA	
J45A	10W-J45A	10W-J45A-0.5-1.0X	JB66880	JB66880-2R	0.5 - 1.0	15.6	15.1	14.6	05/13/2014	Yes	2.2	RA	
J45A	10W-J45A	10W-J45A-2.5-3.0	JB66880	JB66880-3R	2.5 - 3.0	15.6	13.1	12.6	05/13/2014	Yes	3.1	RA	
J45A	10W-J45A	10W-J45A-4.5-5.0	JB66880	JB66880-4	4.5 - 5.0	15.6	11.1	10.6	05/13/2014	Yes	1.7	RA	
J45A	10W-J45A	10W-J45A-5.0-5.5	JB66880	JB66880-5R	5.0 - 5.5	15.6	10.6	10.1	05/13/2014	Yes	75.2	RA	
J45A	10W-J45A	10W-J45A-5.5-6.0	JB66880	JB66880-6R	5.5 - 6.0	15.6	10.1	9.6	05/13/2014	Yes	1.6	RA	
J45A	10W-J45A	10W-J45A-6.5-7.0	JB66880	JB66880-7R	6.5 - 7.0	15.6	9.1	8.6	05/13/2014	Yes	3.9	RA	
J45A	10W-J45A	10W-J45A-8.5-9.0	JB66880	JB66880-8R	8.5 - 9.5	15.6	7.1	6.1	05/13/2014	Yes	1.1	RA	
J45A	10W-J45A	10W-J45A-10.5-11.0	JB66880	JB66880-9R	10.5 - 11.0	15.6	5.1	4.6	05/13/2014	Yes	< 0.15	RA	
J45A	10W-J45A	10W-J45A-12.5-13.0	JB66880	JB66880-10	12.5 - 13.0	15.6	3.1	2.6	05/13/2014	Yes	0.31	RA	
J45A	10W-J45A	10W-J45A-14.5-15.0	JB66880	JB66880-11R	14.5 - 15.0	15.6	1.1	0.6	05/13/2014	Yes	< 0.14	RA	
J45A	10W-J45A	10W-J45A-16.5-17.0	JB66880	JB66880-12	16.5 - 17.0	15.6	-0.9	-1.4	05/13/2014	Yes	0.29	RA	
J45A	10W-J45A	10W-J45A-18.5-19.0	JB66880	JB66880-13	18.5 - 19.0	15.6	-2.9	-3.4	05/13/2014	Yes	0.4	RA	
J45A	10W-J45A	10W-J45A-19.7-20.2	JB66880	JB66880-14	19.7 - 20.2	15.6	-4.1	-4.6	05/13/2014	Yes	0.4	RA	
J45A	10W-J45A	10W-J45A-20.2-20.7	JB66880	JB66880-15	20.2 - 20.7	15.6	-4.6	-5.1	05/13/2014	Yes	0.42	RA	
K47A	SCB-16	SCB-16-0.0-0.5	JB14519	JB14519-1	0.0 - 0.5	17.4	17.4	16.9	08/23/2012	Yes	6.8	RA	
K47A	SCB-16	SCB-16-4.0-4.5	JB14519	JB14519-5	4.0 - 4.5	17.4	13.4	12.9	08/23/2012	Yes	0.69	RA	
K47A	SCB-16	SCB-16-10.0-10.5	JB14519	JB14519-2	10.0 - 10.5	17.4	7.4	6.9	08/23/2012	Yes	0.31	RA	
K47A	SCB-16	SCB-16-11.8-12.3	JB14519	JB14519-3	11.8 - 12.3	17.4	5.6	5.1	08/23/2012	Yes	4.1	RA	
K47A	SCB-16	SCB-16-16.0-16.5	JB14519	JB14519-4	16.0 - 16.5	17.4	1.4	0.9	08/23/2012	Yes	4.6	RA	
L47A	SCB-17	SCB-17-2.0-2.5	JB14519	JB14519-10	2.0 - 2.5	17.6	15.6	15.1	08/23/2012	Yes	0.65	RA	
L47A	SCB-17	SCB-17-2.0-2.5X	JB14519	JB14519-11	2.0 - 2.5	17.6	15.6	15.1	08/23/2012	Yes	< 0.13	RA	
L47A	SCB-17	SCB-17-4.0-4.5	JB14519	JB14519-12	4.0 - 4.5	17.6	13.6	13.1	08/23/2012	Yes	0.96	RA	
L47A	SCB-17	SCB-17-10.0-10.5	JB14519	JB14519-7	10.0 - 10.5	17.6	7.6	7.1	08/23/2012	Yes	1.9	RA	
L47A	SCB-17	SCB-17-12.0-12.5	JB14519	JB14519-8	12.0 - 12.5	17.6	5.6	5.1	08/23/2012	Yes	2.3	RA	
L47A	SCB-17	SCB-17-16.0-16.5	JB14519	JB14519-9	16.0 - 16.5	17.6	1.6	1.1	08/23/2012	Yes	< 0.29	RA	

**Table 3-1
Hexavalent Chromium Analytical Results Compared to Chromium Soil Cleanup Criterion
Caven Point Avenue and Pacific Avenue Roadways
Garfield Avenue Group
PPG, Jersey City, New Jersey**

Grid ID	Location ID	Sample ID	Lab SDG	Lab ID	Depth Interval (ft bgs)	Location Elevation (NAVD88)	Sample Start Elevation (NAVD88)	Sample End Elevation (NAVD88)	Collection Date	Validated	Analyte	CHROMIUM (HEXAVALENT)
											CAS RN	18540-29-9
											Units	mg/kg
											CrSCC	20
											Result	Qualifier
L48A	ICO-08	ICO-8-0.5	460263951	460-26395-1	0.5 - 1.0	18.6	18.1	17.6	05/12/2011	Yes	9.2	J
L48A	ICO-08	ICO-8-2.0	460263951	460-26395-2	2.0 - 2.5	18.6	16.6	16.1	05/12/2011	Yes	1.4	J
L48A	ICO-08	ICO-8-4.0	460263951	460-26395-3	4.0 - 4.5	18.6	14.6	14.1	05/12/2011	Yes	< 0.58	UJ
L48A	ICO-08	ICO-8-6.0	460263951	460-26395-8	6.0 - 6.5	18.6	12.6	12.1	05/12/2011	Yes	< 0.67	UJ
L48A	ICO-08	ICO-8-10.0	460263951	460-26395-9	10.0 - 10.5	18.6	8.6	8.1	05/12/2011	Yes	< 0.72	UJ
L48A	ICO-08	ICO-8-15.0	460263951	460-26395-10	15.0 - 15.5	18.6	3.6	3.1	05/12/2011	Yes	< 0.66	UJ
L48A	ICO-08	ICO-8-16.0	460263951	460-26395-11	16.0 - 16.5	18.6	2.6	2.1	05/12/2011	Yes	14.9	J
M46A	133-P3B-M46A	133-P3B-M46A-1.0-1.5	JB64984	JB64984-9	1.0 - 1.5	12.0	11.0	10.5	04/17/2014	Yes	2.9	RA
M46A	133-P3B-M46A	133-P3B-M46A-3.0-3.5	JB64984	JB64984-10	3.0 - 3.5	12.0	9.0	8.5	04/17/2014	Yes	0.37	RA
M46A	133-P3B-M46A	133-P3B-M46A-5.0-5.5	JB64984	JB64984-11	5.0 - 5.5	12.0	7.0	6.5	04/17/2014	Yes	0.18	RA
M46A	133-P3B-M46A	133-P3B-M46A-7.0-7.5	JB64984	JB64984-12	7.0 - 7.5	12.0	5.0	4.5	04/17/2014	Yes	< 0.11	RA
M46A	133-P3B-M46A	133-P3B-M46A-9.0-9.5	JB64984	JB64984-13	9.0 - 9.5	12.0	3.0	2.5	04/17/2014	Yes	0.24	RA
M46A	133-P3B-M46A	133-P3B-M46A-11.0-11.5	JB64984	JB64984-14	11.0 - 11.5	12.0	1.0	0.5	04/17/2014	Yes	0.30	RA
M46A	133-P3B-M46A	133-P3B-M46A-11.0-11.5X	JB64984	JB64984-15	11.0 - 11.5	12.0	1.0	0.5	04/17/2014	Yes	0.61	RA
M46A	133-P3B-M46A	133-P3B-M46A-11.5-12.0	JB64984	JB64984-16	11.5 - 12.0	12.0	0.5	0.0	04/17/2014	Yes	0.66	RA
M48A	SCB-18	SCB-18-2.0-2.5	JB14519	JB14519-15	2.0 - 2.5	17.7	15.7	15.2	08/23/2012	Yes	0.48	RA
M48A	SCB-18	SCB-18-6.0-6.5	JB14519	JB14519-16	6.0 - 6.5	17.7	11.7	11.2	08/23/2012	Yes	1.2	RA
M48A	SCB-18	SCB-18-10.0-10.5	JB14519	JB14519-13	10.0 - 10.5	17.7	7.7	7.2	08/23/2012	Yes	1.4	RA
M48A	SCB-18	SCB-18-12.5-13.0	JB14519	JB14519-14	12.5 - 13.0	17.7	5.2	4.7	08/23/2012	Yes	2.8	RA
O49A	EF-128	EF-128-2.0-2.5	JB23759	JB23759-1	2.0 - 2.5	10.4	8.4	7.9	12/13/2012	Yes	1.1	
P47A	133-P3C-P47A	133-P3C-P47A-2.0-2.5	JC4369	JC4369-1	2.0 - 2.5	10.8	8.8	8.3	09/21/2015	Yes	94.9	J
P47A	133-P3C-P47A	133-P3C-P47A-14.5-15.0	JC4369R	JC4369-2R	14.5 - 15.0	10.8	-3.7	-4.2	09/21/2015	Yes	0.44	J
P47A	133-P3C-P47A	133-P3C-P47A-15.0-15.5	JC4369R	JC4369-3R	15.0 - 15.5	10.8	-4.2	-4.7	09/21/2015	Yes	0.77	J
P47A	133-P3C-P47A	133-P3C-P47A-15.5-16.0	JC4369	JC4369-4	15.5 - 16.0	10.8	-4.7	-5.2	09/21/2015	Yes	< 0.37	UJ
P47A	133-P3C-P47AR	133-P3C-P47AR-4.5-5.0	JB82342R	JB82342-3R	4.5 - 5.0	10.8	6.3	5.8	11/20/2014	Yes	12.4	J
P47A	133-P3C-P47AR	133-P3C-P47AR-6.5-7.0	JB82342R	JB82342-4R	6.5 - 7.0	10.8	4.3	3.8	11/20/2014	Yes	0.32	J
P47A	133-P3C-P47AR	133-P3C-P47AR-8.5-9.0	JB82342	JB82342-5	8.5 - 9.0	10.8	2.3	1.8	11/20/2014	Yes	0.24	J
P47A	133-P3C-P47AR	133-P3C-P47AR-10.5-11.0	JB82342	JB82342-6	10.5 - 11.0	10.8	0.3	-0.2	11/20/2014	Yes	< 0.19	UJ
P47A	133-P3C-P47AR	133-P3C-P47AR-12.5-13.0	JB82342	JB82342-7	12.5 - 13.0	10.8	-1.7	-2.2	11/20/2014	Yes	0.19	J
P47A	133-P3C-P47AR	133-P3C-P47AR-14.5-15.0	JB82342	JB82342-8	14.5 - 15.0	10.8	-3.7	-4.2	11/20/2014	Yes	0.59	J
P47A	133-P3C-P47AR	133-P3C-P47AR-16.5-17.0	JB82342	JB82342-9	16.5 - 17.0	10.8	-5.7	-6.2	11/20/2014	Yes	< 0.30	UJ
P47A	EF-91	EF-B091-2.0-2.5	JB15125	JB15125-4	2.0 - 2.5	10.6	8.6	8.1	08/30/2012	Yes	43.8	
P47A	EF-91	EF-B091-4.0-4.5	JB15125	JB15125-1	4.0 - 4.5	10.6	6.6	6.1	08/30/2012	Yes	0.74	
P47A	EF-91	EF-B091-4.0-4.5X	JB15125	JB15125-2	4.0 - 4.5	10.6	6.6	6.1	08/30/2012	Yes	0.89	
R50A	CAV-R50A	CAV-R50A-4.1-4.6	JC71060R	JC71060-1R	4.1 - 4.6	10.0	5.9	5.4	08/01/2018	Yes	2.5	J
R50A	CAV-R50A	CAV-R50A-6.1-6.6	JC71170	JC71170-1	6.1 - 6.6	10.0	3.9	3.4	08/02/2018	Yes	2.6	J
S48A	ASM-S48A-SW-S1	ASM-S48A-SW-S-2.4-2.9	JC55516	JC55516-16	2.4 - 2.9	12.1	9.7	9.2	11/15/2017	Yes	6.6	
S48A	ASM-S48A-SW-S2	ASM-S48A-SW-S-4.4-4.9	JC55516	JC55516-15	4.4 - 4.9	12.1	7.7	7.2	11/15/2017	Yes	2.5	
S48A	ASM-S48A-SW-S3	ASM-S48A-SW-S-6.4-6.9	JC55516	JC55516-14	6.4 - 6.9	12.1	5.7	5.2	11/15/2017	Yes	< 0.61	U
T49A	ASM-T49A	ASM-T49A-1.0-1.5	JC25857	JC25857-2	1.0 - 1.5	9.9	8.9	8.4	08/15/2016	Yes	5.5	
T49A	ASM-T49A	ASM-T49A-2.0-2.5	JC25857	JC25857-6	2.0 - 2.5	9.9	7.9	7.4	08/15/2016	Yes	0.50	J
T49A	ASM-T49A	ASM-T49A-4.0-4.5	JC25857	JC25857-7	4.0 - 4.5	9.9	5.9	5.4	08/15/2016	Yes	32.9	
T49A	ASM-T49A	ASM-T49A-6.0-6.5	JC25857	JC25857-8	6.0 - 6.5	9.9	3.9	3.4	08/15/2016	Yes	< 0.48	UJ
T49A	ASM-T49A	ASM-T49A-8.0-8.5	JC25857	JC25857-9	8.0 - 8.5	9.9	1.9	1.4	08/15/2016	Yes	< 0.40	UJ

**Table 3-1
Hexavalent Chromium Analytical Results Compared to Chromium Soil Cleanup Criterion
Caven Point Avenue and Pacific Avenue Roadways
Garfield Avenue Group
PPG, Jersey City, New Jersey**

Grid ID	Location ID	Sample ID	Lab SDG	Lab ID	Depth Interval (ft bgs)	Location Elevation (NAVD88)	Sample Start Elevation (NAVD88)	Sample End Elevation (NAVD88)	Collection Date	Validated	Analyte	CHROMIUM (HEXAVALENT)
											CAS RN	18540-29-9
											Units	mg/kg
											CrSCC	20
											Result	Qualifier
T49A	ASM-T49A	ASM-T49A-10.0-10.5	JC25857	JC25857-3	10.0 - 10.5	9.9	-0.1	-0.6	08/15/2016	Yes	< 0.34	U
T49A	ASM-T49A	ASM-T49A-10.5-11.0	JC25857	JC25857-4	10.5 - 11.0	9.9	-0.6	-1.1	08/15/2016	Yes	0.34	J
T49A	ASM-T49A	ASM-T49A-11.0-11.5	JC25857	JC25857-5	11.0 - 11.5	9.9	-1.1	-1.6	08/15/2016	Yes	1.8	J
T51A	CAV-T51A	CAV-T51A-2.4-2.9	JC71060R	JC71060-2R	2.4 - 2.9	9.0	6.6	6.1	08/01/2018	Yes	2.9	J
T51A	CAV-T51A	CAV-T51A-3.1-3.6	JC71060R	JC71060-3R	3.1 - 3.6	9.0	5.9	5.4	08/01/2018	Yes	1.3	J
T51A	CAV-T51A	CAV-T51A-4.4-4.9	JC71060	JC71060-4	4.4 - 4.9	9.0	4.6	4.1	08/01/2018	Yes	< 0.45	UJ
U49A	ASM-U49A	ASM-U49A-2.0-2.5	JC25857	JC25857-50	2.0 - 2.5	10.6	8.6	8.1	08/15/2016	Yes	8.6	
U49A	ASM-U49A	ASM-U49A-4.0-4.5	JC25857T	JC25857-51T	4.0 - 4.5	10.6	6.6	6.1	08/15/2016	Yes	21.1	
U49A	ASM-U49A	ASM-U49A-6.0-6.5	JC25857	JC25857-52	6.0 - 6.5	10.6	4.6	4.1	08/15/2016	Yes	< 0.40	U
U49A	ASM-U49A	ASM-U49A-6.0-6.5X	JC25857	JC25857-53	6.0 - 6.5	10.6	4.6	4.1	08/15/2016	Yes	< 0.39	U
U49A	ASM-U49A	ASM-U49A-8.0-8.5	JC25857	JC25857-54	8.0 - 8.5	10.6	2.6	2.1	08/15/2016	Yes	0.46	J
U49A	ASM-U49A	ASM-U49A-10.0-10.5	JC25857T	JC25857-47T	10.0 - 10.5	10.6	0.6	0.1	08/15/2016	Yes	0.44	J
U49A	ASM-U49A	ASM-U49A-10.5-11.0	JC25857	JC25857-48	10.5 - 11.0	10.6	0.1	-0.4	08/15/2016	Yes	< 0.35	UJ
U49A	ASM-U49A	ASM-U49A-11.0-11.5	JC25857T	JC25857-49T	11.0 - 11.5	10.6	-0.4	-0.9	08/15/2016	Yes	5.7	J
W49A	135-B12	135-B12A(0.7-1.2)J48979-9R	J48979	J48979-9R	0.7 - 1.2	9.8	9.1	8.6	12/12/2006	Yes	1.4	J
W49A	135-B12	135-B12B(1.5-2.0)J48979-10R	J48979	J48979-10R	1.5 - 2.0	9.8	8.3	7.8	12/12/2006	Yes	3.5	J
W49A	135-B12	135-B12C(2.9-3.4)J48979-11R	J48979	J48979-11R	2.9 - 3.4	9.8	6.9	6.4	12/12/2006	Yes	< 1.2	UJ
W49A	135-B12	135-B12D(3.7-4.2)J48979-12R	J48979	J48979-12R	3.7 - 4.2	9.8	6.1	5.6	12/12/2006	Yes	< 1.3	UJ
W49A	135-B12	135-B12E(4.5-5.0)J48979-13R	J48979	J48979-13R	4.5 - 5.0	9.8	5.3	4.8	12/12/2006	Yes	< 1.2	UJ
W49A	135-B12	PPG-135-B12E_ 8.5-9.0	B076	794787	8.5 - 9.0	9.8	1.3	0.8	12/19/2006	Yes	< 2.4	UJ
W49A	135-B12	PPG-135-B12F_ 12.0-13.0	B076	794788	12.0 - 13.0	9.8	-2.2	-3.2	12/19/2006	Yes	< 5.04	UJ
W49A	135-B12	PPG-135-B12G_ 16.0-16.5	B076	794789	16.0 - 16.5	9.8	-6.2	-6.7	12/19/2006	Yes	< 3.53	UJ
W49A	135-B12	PPG-135-B12H_ 18.7-19.2	B076	794790	18.7 - 19.2	9.8	-8.9	-9.4	12/19/2006	Yes	< 2.38	UJ
W49A	ASM-W49A	ASM-W49A-1.0-1.5	JC25857R	JC25857-39R	1.0 - 1.5	10.0	9.0	8.5	08/15/2016	Yes	5.2	J
W49A	ASM-W49A	ASM-W49A-2.0-2.5	JC25857	JC25857-42	2.0 - 2.5	10.0	8.0	7.5	08/15/2016	Yes	2.1	
W49A	ASM-W49A	ASM-W49A-4.0-4.5	JC25857T	JC25857-43T	4.0 - 4.5	10.0	6.0	5.5	08/15/2016	Yes	1.0	J
W49A	ASM-W49A	ASM-W49A-6.0-6.5	JC25857	JC25857-44	6.0 - 6.5	10.0	4.0	3.5	08/15/2016	Yes	0.45	J
W49A	ASM-W49A	ASM-W49A-8.0-8.5	JC25857	JC25857-45	8.0 - 8.5	10.0	2.0	1.5	08/15/2016	Yes	< 0.34	UJ
W49A	ASM-W49A	ASM-W49A-10.0-10.5	JC25857R	JC25857-40R	10.0 - 10.5	10.0	0.0	-0.5	08/15/2016	Yes	0.83	J
W49A	ASM-W49A	ASM-W49A-10.5-11.0	JC25857	JC25857-41	10.5 - 11.0	10.0	-0.5	-1.0	08/15/2016	Yes	< 0.33	UJ
W49A	ASM-W49A	ASM-W49A-11.0-11.5	JC25857T	JC25857-46T	11.0 - 11.5	10.0	-1.0	-1.5	08/15/2016	Yes	26.8	J
W51A	CAV-W51A	CAV-W51A-10.0-10.5	JC71060R	JC71060-5R	10.0 - 10.5	9.0	-1.0	-1.5	08/01/2018	Yes	1.0	J
W51A	CAV-W51A	CAV-W51A-10.0-10.5X	JC71060R	JC71060-6R	10.0 - 10.5	9.0	-1.0	-1.5	08/01/2018	Yes	1.2	J
W51A	CAV-W51A	CAV-W51A-12.0-12.5	JC71060R	JC71060-7R	12.0 - 12.5	9.0	-3.0	-3.5	08/01/2018	Yes	1.3	J
X45A	ASM-X45A-SW-E	ASM-X45A-SW-E-6.0-6.5	JC52320R	JC52320-5R	6.0 - 6.5	14.3	8.3	7.8	10/03/2017	Yes	1.8	J
X45A	ASM-X45A-SW-E1	ASM-X45A-SW-E-6.3-6.8	JC53724R	JC53724-12R	6.3 - 6.8	14.3	8.0	7.5	10/23/2017	Yes	0.76	J
X45A	ASM-X45A-SW-E1	ASM-X45A-SW-E-6.3-6.8X	JC53724	JC53724-15	6.3 - 6.8	14.3	8.0	7.5	10/23/2017	Yes	2.3	J
X45A	ASM-X45A-SW-E2	ASM-X45A-SW-E-8.3-8.8	JC53724	JC53724-13	8.3 - 8.8	14.3	6.0	5.5	10/23/2017	Yes	3.2	J
X45A	ASM-X45A-SW-E3	ASM-X45A-SW-E-10.3-10.8	JC53724	JC53724-14	10.3 - 10.8	14.3	4.0	3.5	10/23/2017	Yes	1.6	J
X46A	135-P3C-X47AR	135-P3C-X47AR-6.5-7.0	JB83043	JB83043-4	6.5 - 7.0	9.8	3.3	2.8	12/02/2014	Yes	0.55	
X46A	135-P3C-X47AR	135-P3C-X47AR-10.0-10.5	JB83043	JB83043-5	10.0 - 10.5	9.8	-0.2	-0.7	12/02/2014	Yes	2.1	
X46A	135-P3C-X47AR	135-P3C-X47AR-12.0-12.5	JB83043	JB83043-6	12.0 - 12.5	9.8	-2.2	-2.7	12/02/2014	Yes	0.52	
X46A	135-P3C-X47AR	135-P3C-X47AR-16.6-17.1	JB83043	JB83043-7	16.6 - 17.1	9.8	-6.8	-7.3	12/02/2014	Yes	1.4	J
X46A	135-P3C-X47AR	135-P3C-X47AR-17.1-17.6	JB83043	JB83043-8	17.1 - 17.6	9.8	-7.3	-7.8	12/02/2014	Yes	0.92	

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PPG, Jersey City, New Jersey**

Grid ID	Location ID	Sample ID	Lab SDG	Lab ID	Depth Interval (ft bgs)	Location Elevation (NAVD88)	Sample Start Elevation (NAVD88)	Sample End Elevation (NAVD88)	Collection Date	Validated	Analyte	CHROMIUM (HEXAVALENT)
											CAS RN	18540-29-9
											Units	mg/kg
											CrSCC	20
											Result	Qualifier
X46A	ASM-X46A	ASM-X46A-1.0-1.5	JC26083R	JC26083-24R	1.0 - 1.5	10.4	9.4	8.9	08/18/2016	Yes	12.9	J
X46A	ASM-X46A	ASM-X46A-2.0-2.5	JC26083	JC26083-32	2.0 - 2.5	10.4	8.4	7.9	08/18/2016	Yes	3.6	J
X46A	ASM-X46A	ASM-X46A-4.0-4.5	JC26083	JC26083-33	4.0 - 4.5	10.4	6.4	5.9	08/18/2016	Yes	153	J
X46A	ASM-X46A	ASM-X46A-6.0-6.5	JC26083	JC26083-34	6.0 - 6.5	10.4	4.4	3.9	08/18/2016	Yes	0.57	J
X46A	ASM-X46A	ASM-X46A-8.0-8.5	JC26083R	JC26083-35R	8.0 - 8.5	10.4	2.4	1.9	08/18/2016	Yes	3.5	J
X46A	ASM-X46A	ASM-X46A-10.5-11.0	JC26083	JC26083-25	10.5 - 11.0	10.4	-0.1	-0.6	08/18/2016	Yes	11.2	J
X46A	ASM-X46A	ASM-X46A-12.0-12.5	JC26083R	JC26083-26R	12.0 - 12.5	10.4	-1.6	-2.1	08/18/2016	Yes	0.76	J
X46A	ASM-X46A	ASM-X46A-14.0-14.5	JC26083	JC26083-27	14.0 - 14.5	10.4	-3.6	-4.1	08/18/2016	Yes	0.97	J
X46A	ASM-X46A	ASM-X46A-16.0-16.5	JC26083	JC26083-28	16.0 - 16.5	10.4	-5.6	-6.1	08/18/2016	Yes	0.74	J
X46A	ASM-X46A	ASM-X46A-18.0-18.5	JC26083	JC26083-29	18.0 - 18.5	10.4	-7.6	-8.1	08/18/2016	Yes	< 0.34	UJ
X46A	ASM-X46A	ASM-X46A-18.5-19.0	JC26083	JC26083-30	18.5 - 19.0	10.4	-8.1	-8.6	08/18/2016	Yes	1.6	J
X46A	ASM-X46A	ASM-X46A-19.0-19.5	JC26083	JC26083-31	19.0 - 19.5	10.4	-8.6	-9.1	08/18/2016	Yes	< 0.33	UJ
X46A	ASM-X46A-PB	ASM-X46A-PB-10.2-10.7	JC58072	JC58072-2	10.2 - 10.7	14.0	3.8	3.3	12/27/2017	Yes	< 0.56	RA
X46A	ASM-X46A-SW-E1	ASM-X46A-SW-E-6.2-6.7	JC58072	JC58072-4R	6.2 - 6.7	14.2	8.0	7.5	12/27/2017	Yes	4.6	RA
X46A	ASM-X46A-SW-E2	ASM-X46A-SW-E-8.2-8.7	JC58072	JC58072-3	8.2 - 8.7	14.2	6.0	5.5	12/27/2017	Yes	162	RA
X47A	135-B13	135-B13A(0.0-0.5)J48979-14R	J48979	J48979-14R	0.0 - 0.5	9.9	9.9	9.4	12/12/2006	Yes	4.8	J
X47A	135-B13	135-B13B(1.0-1.5)J48979-15R	J48979	J48979-15R	1.0 - 1.5	9.9	8.9	8.4	12/12/2006	Yes	2.3	J
X47A	135-B13	135-B13C(3.7-4.1)J48979-16R	J48979	J48979-16R	3.7 - 4.1	9.9	6.2	5.8	12/12/2006	Yes	1.5	J
X47A	135-B13	135-B13D(4.8-5.3)J48979-17R	J48979	J48979-17R	4.8 - 5.3	9.9	5.1	4.6	12/12/2006	Yes	4.1	J
X47A	135-B13	PPG-135-B13E_8.5-9.5_795151	B141	795151	8.5 - 9.5	9.9	1.4	0.4	12/20/2006	Yes	< 2.46	UJ
X47A	135-B13	PPG-135-B13ED_8.5-9.5_795152	B141	795152	8.5 - 9.5	9.9	1.4	0.4	12/20/2006	Yes	< 2.39	UJ
X47A	135-B13	PPG-135-B13F_13.5-14.0_795153	B141	795153	13.5 - 14.0	9.9	-3.6	-4.1	12/20/2006	Yes	< 2.37	UJ
X47A	135-B13	PPG-135-B13G_17.6-18.1_795154	B141	795154	17.6 - 18.1	9.9	-7.7	-8.2	12/20/2006	Yes	< 4.24	UJ
X47A	135-B13	PPG-135-B13H_21.5-22.5_795155	B141	795155	21.5 - 22.5	9.9	-11.6	-12.6	12/20/2006	Yes	< 2.99	UJ
X47A	135-B13	PPG-135-B13I_24.0-24.5_795156	B141	795156	24.0 - 24.5	9.9	-14.1	-14.6	12/20/2006	Yes	< 2.86	UJ
X47A	ASM-X47A-SW-E1	ASM-X47A-SW-E-1.9-2.4	JC58072	JC58072-7R	1.9 - 2.4	9.9	8.0	7.5	12/27/2017	Yes	0.65	RA
X47A	ASM-X47A-SW-E2	ASM-X47A-SW-E-3.9-4.4	JC58072	JC58072-6R	3.9 - 4.4	9.9	6.0	5.5	12/27/2017	Yes	< 0.17	RA
Y42A	135-Y42A-SW-E1	135-Y42A-SW-E-5.7-6.2	JC49444R	JC49444-3R	5.7 - 6.2	14.4	8.7	8.2	08/23/2017	Yes	2.7	J
Y42A	135-Y42A-SW-E1	135-Y42A-SW-E-5.7-6.2X	JC49444R	JC49444-4R	5.7 - 6.2	14.4	8.7	8.2	08/23/2017	Yes	1.5	J
Y42A	135-Y42A-SW-E2	135-Y42A-SW-E-7.7-8.2	JC49444	JC49444-2	7.7 - 8.2	14.4	6.7	6.2	08/23/2017	Yes	2.0	J
Y43A	ASM-Y43A	ASM-Y43A-1.5-2.0	JC25920T	JC25920-17T	1.5 - 2.0	10.5	8.9	8.4	08/16/2016	Yes	1.4	J
Y43A	ASM-Y43A	ASM-Y43A-2.0-2.5	JC25920	JC25920-23	2.0 - 2.5	10.5	8.4	7.9	08/16/2016	Yes	2.3	J
Y43A	ASM-Y43A	ASM-Y43A-4.0-4.5	JC25920	JC25920-24	4.0 - 4.5	10.5	6.4	5.9	08/16/2016	Yes	< 0.38	UJ
Y43A	ASM-Y43A	ASM-Y43A-6.0-6.5	JC25920R	JC25920-25R	6.0 - 6.5	10.5	4.4	3.9	08/16/2016	Yes	1.0	J
Y43A	ASM-Y43A	ASM-Y43A-8.0-8.5	JC25920R	JC25920-26R	8.0 - 8.5	10.5	2.4	1.9	08/16/2016	Yes	0.35	J
Y43A	ASM-Y43A	ASM-Y43A-10.0-10.5	JC25920	JC25920-18	10.0 - 10.5	10.5	0.4	-0.1	08/16/2016	Yes	< 0.32	UJ
Y43A	ASM-Y43A	ASM-Y43A-12.0-12.5	JC25920T	JC25920-19T	12.0 - 12.5	10.5	-1.6	-2.1	08/16/2016	Yes	0.46	J
Y43A	ASM-Y43A	ASM-Y43A-14.0-14.5	JC25920T	JC25920-20T	14.0 - 14.5	10.5	-3.6	-4.1	08/16/2016	Yes	0.43	J
Y43A	ASM-Y43A	ASM-Y43A-15.5-16.0	JC25920	JC25920-21	15.5 - 16.0	10.5	-5.1	-5.6	08/16/2016	Yes	1.4	J
Y43A	ASM-Y43A	ASM-Y43A-16.0-16.5	JC25920	JC25920-22	16.0 - 16.5	10.5	-5.6	-6.1	08/16/2016	Yes	7.4	J
Y43A	ASM-Y43A-SW-E1	ASM-Y43A-SW-E-2.0-2.5	JC57751	JC57751-5	2.0 - 2.5	10.5	8.5	8.0	12/20/2017	Yes	2.0	RA
Y43A	ASM-Y43A-SW-E2	ASM-Y43A-SW-E-4.0-4.5	JC57751	JC57751-4	4.0 - 4.5	10.5	6.5	6.0	12/20/2017	Yes	1.3	RA
Y43A	ASM-Y43A-SW-E3	ASM-Y43A-SW-E-6.0-6.5	JC57751	JC57751-3	6.0 - 6.5	10.5	4.5	4.0	12/20/2017	Yes	0.80	RA
Y44A	ASM-Y44A	ASM-Y44A-0.0-0.5	JC25920R	JC25920-27R	0.0 - 0.5	10.2	10.2	9.7	08/16/2016	Yes	9.7	J

**Table 3-1
Hexavalent Chromium Analytical Results Compared to Chromium Soil Cleanup Criterion
Caven Point Avenue and Pacific Avenue Roadways
Garfield Avenue Group
PPG, Jersey City, New Jersey**

Grid ID	Location ID	Sample ID	Lab SDG	Lab ID	Depth Interval (ft bgs)	Location Elevation (NAVD88)	Sample Start Elevation (NAVD88)	Sample End Elevation (NAVD88)	Collection Date	Validated	Analyte	CHROMIUM (HEXAVALENT)
											CAS RN	18540-29-9
											Units	mg/kg
											CrSCC	20
											Result	Qualifier
Y44A	ASM-Y44A	ASM-Y44A-2.0-2.5	JC25920	JC25920-33	2.0 - 2.5	10.2	8.2	7.7	08/16/2016	Yes	6.2	J
Y44A	ASM-Y44A	ASM-Y44A-4.0-4.5	JC25920	JC25920-34	4.0 - 4.5	10.2	6.2	5.7	08/16/2016	Yes	12.8	J
Y44A	ASM-Y44A	ASM-Y44A-6.0-6.5	JC25920	JC25920-35	6.0 - 6.5	10.2	4.2	3.7	08/16/2016	Yes	0.75	J
Y44A	ASM-Y44A	ASM-Y44A-8.0-8.5	JC25920	JC25920-36	8.0 - 8.5	10.2	2.2	1.7	08/16/2016	Yes	0.74	J
Y44A	ASM-Y44A	ASM-Y44A-10.0-10.5	JC25920	JC25920-28	10.0 - 10.5	10.2	0.2	-0.3	08/16/2016	Yes	0.38	J
Y44A	ASM-Y44A	ASM-Y44A-12.0-12.5	JC25920	JC25920-29	12.0 - 12.5	10.2	-1.8	-2.3	08/16/2016	Yes	0.35	J
Y44A	ASM-Y44A	ASM-Y44A-14.0-14.5	JC25920R	JC25920-30R	14.0 - 14.5	10.2	-3.8	-4.3	08/16/2016	Yes	0.61	J
Y44A	ASM-Y44A	ASM-Y44A-15.5-16.0	JC25920R	JC25920-31R	15.5 - 16.0	10.2	-5.3	-5.8	08/16/2016	Yes	0.45	J
Y44A	ASM-Y44A	ASM-Y44A-16.0-16.5	JC25920R	JC25920-32R	16.0 - 16.5	10.2	-5.8	-6.3	08/16/2016	Yes	1.5	J
Y44A	ASM-Y44A-SW-E1	ASM-Y44A-SW-E-1.7-2.2	JC57751	JC57751-8	1.7 - 2.2	10.2	8.5	8.0	12/20/2017	Yes	3.1	RA
Y44A	ASM-Y44A-SW-E2	ASM-Y44A-SW-E-3.7-4.2	JC57751R	JC57751-7R	3.7 - 4.2	10.2	6.5	6.0	12/20/2017	Yes	31.8	RA
Y44A	ASM-Y44A-SW-E3	ASM-Y44A-SW-E-5.7-6.2	JC57751	JC57751-6	5.7 - 6.2	10.2	4.5	4.0	12/20/2017	Yes	1.1	RA
Y45A	135-MW1B	135-1BE_5.2-5.7_815726	E267	815726	5.2 - 5.7	10.0	4.8	4.3	03/22/2007	Yes	< 2.33	UJ
Y45A	135-MW1B	135-1BF_9.0-9.4_815727	E267	815727	9.0 - 9.4	10.0	1.0	0.6	03/22/2007	Yes	< 2.4	UJ
Y45A	135-MW1B	135-1BG_13.0-13.5_815728	E267	815728	13.0 - 13.5	10.0	-3.0	-3.5	03/22/2007	Yes	< 2.32	UJ
Y45A	135-MW1B	135-1BH_14.0-15.0_815729	E267	815729	14.0 - 15.0	10.0	-4.0	-5.0	03/22/2007	Yes	< 2.36	UJ
Y45A	135-MW1B	135-1BHD_14.0-15.0_815730	E267	815730	14.0 - 15.0	10.0	-4.0	-5.0	03/22/2007	Yes	< 2.38	UJ
Y45A	135-MW1B	135-1BI_16.0-17.0_815731	E267	815731	16.0 - 17.0	10.0	-6.0	-7.0	03/22/2007	Yes	< 4.84	UJ
Y45A	135-MW1B	135-1BJ_17.3-18.3_816122	E267	816122	17.3 - 18.3	10.0	-7.3	-8.3	03/23/2007	Yes	< 4.2	UJ
Y45A	135-MW1B	135-1BK_18.3-18.8_816123	E267	816123	18.3 - 18.8	10.0	-8.3	-8.8	03/23/2007	Yes	< 2.77	UJ
Y45A	135-MW1C	PPG 1351CA(0.6-1.1)J49116-13	J49116	J49116-13	0.6 - 1.1	9.9	9.3	8.8	12/13/2006	Yes	10.3	J
Y45A	135-MW1C	PPG 1351CB(1.8-2.3) DUPJ49116-15	J49116	J49116-15	1.8 - 2.3	9.9	8.1	7.6	12/13/2006	Yes	20.1	J
Y45A	135-MW1C	PPG 1351CB(1.8-2.3)J49116-14	J49116	J49116-14	1.8 - 2.3	9.9	8.1	7.6	12/13/2006	Yes	12.6	J
Y45A	135-MW1C	PPG 1351CC(4.5-5.0)J49116-16	J49116	J49116-16	4.5 - 5.0	9.9	5.4	4.9	12/13/2006	Yes	5.4	J
Y50A	PAC-Y50A	PAC-Y50A-10.8-11.3	JC71170	JC71170-2	10.8 - 11.3	9.6	-1.2	-1.7	08/02/2018	Yes	2.2	J
Y50A	PAC-Y50A	PAC-Y50A-12.8-13.3	JC71170	JC71170-3	12.8 - 13.3	9.6	-3.2	-3.7	08/02/2018	Yes	< 0.79	UJ
Z39A	135-Z39A-SW-E	135-Z39A-SW-E-4.1-4.6	JC34136	JC34136-2	4.1 - 4.6	14.0	9.9	9.4	12/21/2016	Yes	7.5	J
Z40A	135-Z40A-SW-E1	135-Z40A-SW-E-6.0-6.5	JC35023	JC35023-12	6.0 - 6.5	14.0	8.0	7.5	01/06/2017	Yes	1.8	J
Z40A	135-Z40A-SW-E2	135-Z40A-SW-E-8.0-8.5	JC35023	JC35023-11	8.0 - 8.5	14.0	6.0	5.5	01/06/2017	Yes	1.6	J
Z40A	135-Z40A-SW-E3	135-Z40A-SW-E-10.0-10.5	JC35023	JC35023-10	10.0 - 10.5	14.0	4.0	3.5	01/06/2017	Yes	1.4	J
Z40A	135-Z40A-SW-E4	135-Z40A-SW-E-12.0-12.5	JC35023	JC35023-9	12.0 - 12.5	14.0	2.0	1.5	01/06/2017	Yes	0.46	J
Z41A	135-Z41A	135-Z41-0.1-0.6	JC2722	JC2722-12	0.1 - 0.6	10.6	10.5	10.0	08/31/2015	Yes	2.1	J
Z41A	135-Z41A	135-Z41-1.5-2.0	JC2722R	JC2722-13R	1.5 - 2.0	10.6	9.1	8.6	08/31/2015	Yes	4.9	J
Z41A	135-Z41A	135-Z41-3.5-4.0	JC2722R	JC2722-14R	3.5 - 4.0	10.6	7.1	6.6	08/31/2015	Yes	4.8	J
Z41A	135-Z41A	135-Z41-5.5-6.0	JC2722R	JC2722-15R	5.5 - 6.0	10.6	5.1	4.6	08/31/2015	Yes	0.92	J
Z41A	135-Z41A	135-Z41-7.5-8.0	JC2722R	JC2722-16R	7.5 - 8.0	10.6	3.1	2.6	08/31/2015	Yes	< 0.49	UJ
Z41A	135-Z41A	135-Z41-9.5-10.0	JC2722	JC2722-17	9.5 - 10.0	10.6	1.1	0.6	08/31/2015	Yes	0.53	J
Z41A	135-Z41A	135-Z41-11.5-12.0	JC2722R	JC2722-18R	11.5 - 12.0	10.6	-0.9	-1.4	08/31/2015	Yes	0.32	J
Z41A	135-Z41A	135-Z41-12.5-13.0	JC2722R	JC2722-19R	12.5 - 13.0	10.6	-1.9	-2.4	08/31/2015	Yes	0.45	J
Z41A	135-Z41A	135-Z41-12.5-13.0X	JC2722R	JC2722-20R	12.5 - 13.0	10.6	-1.9	-2.4	08/31/2015	Yes	0.40	J
Z41A	135-Z41A	135-Z41-13.0-13.5	JC2722	JC2722-21	13.0 - 13.5	10.6	-2.4	-2.9	08/31/2015	Yes	1.4	J
Z41A	135-Z41A	135-Z41-13.5-14.0	JC2722R	JC2722-22R	13.5 - 14.0	10.6	-2.9	-3.4	08/31/2015	Yes	0.86	J
Z46A	EF-22	EF-B22-0.5	460255501	460-25550-35	0.5 - 1.0	9.4	8.9	8.4	04/19/2011	Yes	< 0.57	UJ
Z46A	EF-22	EF-B22-2.0	460255501	460-25550-36	2.0 - 2.5	9.4	7.4	6.9	04/19/2011	Yes	< 0.59	UJ

**Table 3-1
Hexavalent Chromium Analytical Results Compared to Chromium Soil Cleanup Criterion
Caven Point Avenue and Pacific Avenue Roadways
Garfield Avenue Group
PPG, Jersey City, New Jersey**

											Analyte CAS RN Units CrSCC	CHROMIUM (HEXAVALENT) 18540-29-9 mg/kg 20
Grid ID	Location ID	Sample ID	Lab SDG	Lab ID	Depth Interval (ft bgs)	Location Elevation (NAVD88)	Sample Start Elevation (NAVD88)	Sample End Elevation (NAVD88)	Collection Date	Validated	Result	Qualifier
Z46A	EF-22	EF-B22-4.0	460255501	460-25550-38	4.0 - 4.5	9.4	5.4	4.9	04/19/2011	Yes	< 0.55	UJ
Z46A	EF-22	EF-B22-5.5	460255501	460-25550-24	5.5 - 6.0	9.4	3.9	3.4	04/19/2011	Yes	< 0.63	UJ
Z46A	EF-22	EF-B22-10.0	460255501	460-25550-25	10.0 - 10.5	9.4	-0.6	-1.1	04/19/2011	Yes	< 0.59	UJ
Z46A	EF-22	EF-B22-12.0	460255501	460-25550-26	12.0 - 12.5	9.4	-2.6	-3.1	04/19/2011	Yes	< 0.60	UJ
Z46A	EF-22	EF-B22-17.5	460255501	460-25550-27	17.5 - 18.0	9.4	-8.1	-8.6	04/19/2011	Yes	< 1.6	UJ
Z46A	EF-22	EF-B22-17.5X	460255501	460-25550-28	17.5 - 18.0	9.4	-8.1	-8.6	04/19/2011	Yes	< 1.6	UJ
Z46A	EF-22	EF-B22-22.5	460255501	460-25550-29	22.5 - 23.0	9.4	-13.1	-13.6	04/19/2011	Yes	< 0.69	UJ
Z46A	PAC-Z46A	PAC-Z46A-3.4-3.9	JC71170	JC71170-4	3.4 - 3.9	9.8	6.4	5.9	08/02/2018	Yes	1.5	J
Z46A	PAC-Z46A	PAC-Z46A-3.8-4.3	JC71170	JC71170-5	3.8 - 4.3	9.8	6.0	5.5	08/02/2018	Yes	1.7	J

Notes:

1. Bold text indicates that the result exceeds the CrSCC.

Definitions -

bgs - below ground surface

CAS-RN - Chemical Abstracts Service Registry Number

CrSCC - Chromium Soil Cleanup Criteria

ft - feet or foot

mg/kg - milligrams per kilogram

NAVD88 - North American Vertical Datum of 1988

SDG - Sample Delivery Group

"X" at the end of the Sample ID indicates field duplicate sample

Qualifiers -

J - Indicates the result was an estimated value; the associated numerical value was an approximate concentration of the analyte in the sample.

U - Indicates that the analyte was not detected at the reported method detection limit.

UJ - Indicates the analyte was not detected above the reporting limit and the reporting limit was approximate.

RA - Indicates that the result for this analyte has been rejected, but is useable.